ROLL NO L

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

JAN. & FEB. 1940

VOLS. 510 & 511

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO

OFFICIAL GAZETTE

OF THE

I a
68

UNITED STATES PATENT OFFICE

VOLUME 510

JANUARY

1940

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1940

R608
13
v.510
Jan.1940

Jan.-Dec. 1940

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, January 2, 9, 16, 23, 30	3, 259, 543, 775, 961
TRADE-MARKS PUBLISHED AND REGISTERED, January 2, 9, 16, 23, 30	7, 265, 547, 779, 969
LABELS AND PRINTS REGISTERED, January 2, 9, 16, 23, 30	41, 303, 572, 799, 994
REISSUES, January 2, 9, 16, 23, 30	43, 305, 575, 801, 995
PLANT PATENTS, January 2, 9, 16, 23, 30	—, 306, 577, 802, 996
PATENTS, January 2, 9, 16, 23, 30	45, 307, 578, 803, 997
DESIGNS, January 2, 9, 16, 23, 30	240, 517, 759, 939, 1136

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	5, 262, 773, 959
APPLICATIONS—Condition of pending	2, 258, 542, 774, 960
ATTORNEYS—Full post office address	959
BULLETIN OF DECISIONS—Trade-Marks, Labels and Prints	966
CLASSIFICATION OF INVENTION—Changes in *Order No. 3497*	262
Order No. 3498	964
COMMUNICATIONS TO THE PATENT OFFICE—Rule 8—Separate letters	1
DISCLAIMERS—Abrams, Allen, et al	6
Banta, Clifford	964
Bertelsen, Leonard W., Jr	261
Buchanan, Leslie B. M	964
Erter, John H	964
Hailes, William D., et al	261
Hopkins, Frank H	778
Jackson, John G. (two cases)	6
Johnson, Manfred J	5
Jones, George E., Jr., and Perry S. McCallen	964
Lord, Harold W	778
McMurray, John C	778
Nelson, Adolph L. (three cases)	778, 964
Otis, Herbert C	964
Parker, George D	546
Salvatori, Henry, and James N. Walstrum	964
Salvatori, Henry	964
Schlicker, Herman C	964
Schlumberger, Marcel	261
Schutt, Hermann C., et al	964
INTERNATIONAL CONVENTION FOR THE PROTECTION OF INDUSTRIAL PROPERTY—Adherence of Switzerland and Belgium	257
PATENT SUITS	4, 260, 545, 777, 962
PATENTS—Lists of Adjudicated	1, 262, 773
TRADE-MARK REGISTRATIONS—Canceled	541, 778
Notice of Cancellation	1, 257, 541, 773, 959

TABLE OF CASES REPORTED

	Page
*Harris, In re	776
*Hewitt, Jr., In re	257
*King et al., In re	961
*Mink, In re	544
*Parker, In re	543
*Replogle, In re	775
‡Standard Brands, Inc. *v.* National Grain Yeast Corp	3

[Decisions of the United States Court of Customs and Patent Appeals are indicated by a star (*) and of the Supreme Court of the United States by the letter (‡).]

ERRATA

Trade-Mark Registrations Canceled—Page 778, first column, for Nos. 374,130, 374,131, 374,132, and 374,133, read *347,130, 347,131, 347,132,* and *347,133.* O. G. January 23, 1940.

442655

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Flour Mills Co., The, Oklahoma City, Okla. Wheat flour. Serial No. 425,036; Jan. 2. Class 46.

Acme Macaroni & Cracker Co., Inc., Los Angeles, Calif. Alimentary paste products. Serial No. 424,151; Jan. 2. Class 46.

Acme Macaroni & Cracker Co., Inc., Los Angeles, Calif. Semolina. Serial No. 424,152; Jan. 2. Class 46.

Alberto-Culver. (See Culver, Blaine.)

Allen Calculators, Incorporated, New York, N. Y. Adding machines, calculators, cash registering machines, etc. Serial No. 425,218; Jan. 2. Class 26.

Allen Calculators, Incorporated, New York, N. Y. Cash registering machines. Serial No. 425,219; Jan. 2. Class 26.

Alpha Mills, Inc., Schuylkill Haven, Pa. Shorts, shirts, panties, etc. Serial No. 424,455; Jan. 2. Class 39.

American Tobacco Company, The, New York, N. Y. Pyrophoric cigarette lighters. Serial No. 425,082; Jan. 2. Class 34.

American Transformer Company, Newark, N. J. Arc-welding apparatus, transformer type. Serial No. 424,707; Jan. 2. Class 21.

Apponaug Company, The, Apponaug, R. I. Piece goods. Serial No. 425,507; Jan. 2. Class 42.

Archer Hosiery Mills, Columbus, Ga. Hosiery. Serial No. 424,792; Jan. 2. Class 39.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 425,107; Jan. 2. Class 19.

Ashbrook, E. R., doing business as Mission Chemical Company, Kansas City, Mo. Fertilizers. Serial No. 423,653; Jan. 2. Class 10.

Associated Retail Millinery, Incorporated, Dallas, Tex. Hats for women. Serial No. 422,191; Jan. 2. Class 39.

Auerbach, Maurice H., doing business as Old Smoky Sales Co., San Francisco, Calif. Seasoning. Serial No. 423,324; Jan. 2. Class 46.

B & M Food Dealers Cooperative, Inc., New York, N. Y. Canned and bottled fish. Serial No. 412,247; Jan. 2. Class 46.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 421,991; Jan. 2. Class 42.

Beebee Brothers Rubber Company, Nashua, N. H. Heels and soles. Serial No. 424,989; Jan. 2. Class 39.

Belding Heminway Company, New York, N. Y. Blanket binding. Serial No. 421,561; Jan. 2. Class 40.

Bennett, Julia A., Ennis, Mont., and Tucson, Ariz. Ranch clothes. Serial No. 422,804; Jan. 2. Class 39.

Bermuda Knitwear Corporation, New York, N. Y. Sweaters, sweat shirts, bathing suits. Serial No. 425,449; Jan. 2. Class 39.

Black-Clawson Company, The, Hamilton, Ohio. Paper mill machinery. Serial No. 417,522; Jan. 2. Class 23.

Bloomsburg Silk Mill, New York, N. Y. Rayon piece goods. Serial No. 424,680; Jan. 2. Class 42.

Boepple Sportswear Mills, Inc., New York, N. Y. Piece goods. Serial No. 422,570; Jan. 2. Class 42.

Blue Seal Extract Co., Cambridge, Mass. Beverage and sirup and extract for making the same. Serial No. 424,292; Jan. 2. Class 45.

Botany Worsted Mills, Passaic, N. J. Neckties. Serial No. 412,369; Jan. 2. Class 39.

Brooks Bank Note Company, Springfield, Mass. Writing and printing paper and mailing envelopes. Serial No. 420,663; Jan. 2. Class 37.

Brown, Andrew, Company, Los Angeles, Calif. Lacquer. Serial No. 425,269; Jan. 2. Class 16.

Brown, John S., & Sons, Limited, Belfast, Northern Ireland. Cotton piece goods. Serial No. 424,992; Jan. 2. Class 42.

Business Executive Publications, Inc., Washington, D. C. Publications. Serial No. 420,936; Jan. 2. Class 38.

California Avocado Distrs. (See Johnston, Everett.)

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 425,450; Jan. 2. Class 42.

Chicago Daily News, Inc., The, Chicago, Ill. Section of a periodical publication. Serial No. 423,963; Jan. 2. Class 38.

Clearspun Hosiery Company, Inc., New York, N. Y. Hosiery. Serial No. 424,834; Jan. 2. Class 39.

Collegiate Manufacturing Company, Inc., New York, N. Y. Piece goods. Serial No. 425,275; Jan. 2. Class 42.

Commercial Stationery & Supply Co., Chattanooga, Tenn. Wood encased lead pencils, notebooks, and typewriter paper. Serial No. 423,490; Jan. 2. Class 37.

Consolidated Dairy Products Company, Seattle, Wash. Evaporated milk, butter, buttermilk powder, etc. Serial No. 415,433; Jan. 2. Class 46.

Cornbleet Brothers, Henderson, Ky. Maternity dresses. Serial No. 425,458; Jan. 2. Class 39.

Culver, Blaine, doing business as Alberto-Culver, Los Angeles, Calif. Hair bleach oil. Serial No. 420,315; Jan. 2. Class 6.

D'Arrigo Bros. Company, San Jose, Calif. Fresh vegetables. Serial No. 420,360; Jan. 2. Class 46.

Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 424,035; Jan. 2. Class 6.

Diamond Match Company, The, New York, N. Y. Matches. Serial No. 425,233; Jan. 2. Class 9.

Dog and Cat Food Products, Inc., New York, N. Y. Canned dog food. Serial No. 424,767; Jan. 2. Class 46.

Dominion Stores Limited, Toronto, Canada. Coffee. Serial No. 424,580; Jan. 2. Class 46.

Dresner, S., & Son, Inc., Chicago, Ill. Hand luggage. Serial No. 425,193; Jan. 2. Class 3.

Dymitro, Frank, doing business as Klenzall Co., Chicago, Ill. Preparation for cleaning and polishing windows, silverware, etc. Serial No. 424,347; Jan. 2. Class 4.

E-Z Mills, Inc., New York, N. Y. Hosiery. Serial No. 421,933; Jan. 2. Class 39.

Eastern Carpets, Inc., New York, N. Y. Rugs and carpets and chair coverings. Serial No. 422,684; Jan. 2. Class 42.

Eastern Trading Co. (See Finkelstein, William.)

Ellery Products Manufacturing Co. Inc., New York, N. Y. Window drapes and hangings. Serial No. 424,718; Jan. 2. Class 42.

Ellis, Carleton, Montclair, N. J. Styptic compositions. Serial No. 425,516; Jan. 2. Class 6.

Federated Foods, Inc., Wilmington, Del., and San Francisco, Calif. Canned fruits. Serial No. 425,143; Jan. 2. Class 46.

Fidelity Laboratories, Inc., Chicago, Ill. Serum, virus, and biological and pharmaceutical products. Serial Nos. 423,295–7; Jan. 2. Class 6.

Finkelstein, William, doing business as Eastern Trading Co., New York, N. Y. Bob pins. Serial No. 424,848; Jan. 2. Class 40.

Finkelstein, William, doing business as Eastern Trading Co., New York, N. Y. Non-electrical hair curlers and combs. Serial No. 424,849; Jan. 2. Class 40.

French-Stamats Company, Cedar Rapids, Iowa. Periodical. Serial No. 425,331; Jan. 2. Class 38.

Fretz, William F., & Son, Doylestown, Pa. Trousers. Serial No. 425,398; Jan. 2. Class 39.

Garden Reviews, Incorporated, Pleasantville, N. Y. Publication. Serial No. 425,145; Jan. 2. Class 38.

General Mills, Inc., Minneapolis, Minn. Food for carnivorous animals. Serial No. 424,659; Jan. 2. Class 46.

General Mills, Inc., Minneapolis, Minn. Oat cereal breakfast food. Serial Nos. 425,400–1; Jan. 2. Class 46.

Goldsmith, Louis, Inc., Philadelphia, Pa. Suits, coats, vests, etc. Serial Nos. 424,944–5; Jan. 2. Class 39.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. Serial Nos. 424,720–3; Jan. 2. Class 21.

Governor and Company of Adventurers of England Trading into Hudson's Bay, The, doing business as Hudson's Bay Company, London, England, and Winnipeg, Manitoba, Canada. Whisky and cognac. Serial No. 420,580; Jan. 2. Class 49.

Griffith Laboratories, Inc., The, Chicago, Ill. Powder emulsifying composition for making spreads with a cheese component. Serial No. 425,148; Jan. 2. Class 46.

Griffith Laboratories, Inc., The, Chicago, Ill. Powdered emulsifying composition for emulsifying fats into food products. Serial No. 425,149; Jan. 2. Class 46.

Griffith Laboratories, Inc., The, doing business as The Griffith Laboratories, Chicago, Ill. Compressed unit containing spice products and other flavoring ingredients. Serial No. 425,150; Jan. 2. Class 46.

Grundlehner, Ernest, Schenectady, N. Y. Calculator. Serial No. 425,333; Jan. 2. Class 26.

Haig & Haig Limited, Glasgow, Scotland. Scotch whisky. Serial No. 423,134; Jan. 2. Class 49.

Helburn, Willard, Inc., Peabody, Mass. Leather. Serial No. 425,334; Jan. 2. Class 1.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Braces. Serial No. 423,268; Jan. 2. Class 39.

High Duke Products Co. (See Schneiderman, Joseph.)

Hi-Life Packing Company. (See Ready Foods Company, Inc.)

Hittner, J., & Son, Inc., New York, N. Y. Fluid valves. Serial No. 418,757; Jan. 2. Class 13.

Hollidge, C. Crawford, Ltd., Boston, Mass. Hosiery. Serial No. 424,941; Jan. 2. Class 39.

House of Crane, Incorporated, The, Indianapolis, Ind. Goggles and sun glasses. Serial No. 398,450; Jan. 2. Class 26.

Huberd Shoe Grease Co. Inc., McMinnville, Oreg. Shoe grease and oil. Serial No. 421,460; Jan. 2. Class 4.

Hudson's Bay Company. (See Governor and Company of Adventurers of England Trading into Hudson's Bay.)

Hunter Mfg. Co., Los Angeles, Calif. Apparatus for applying lubricating oils and greases to motor vehicles. Serial No. 408,715; Jan. 2. Class 23.

Hygienic Tube & Container Corporation, Newark, N. J. Tubing and hollow tubes. Serial No. 420,765; Jan. 2. Class 1.
Illinois Iron & Bolt Co., Carpentersville, Ill. Automatic coal stokers. Serial No. 424,877; Jan. 2. Class 34.
Indiana Steel & Wire Company, Muncie, Ind. Iron and steel wire. Serial No. 414,953; Jan. 2. Class 21.
International Industries, Inc., Ann Arbor, Mich. Combination copying stands and photographic bench. Serial No. 423,631; Jan. 2. Class 26.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 425,336; Jan. 2. Class 39.
Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Rubber sheet packing. Serial No. 425,202; Jan. 2. Class 35.
Johnson Bronze Company, New Castle, Pa. Bearings for machinery. Serial No. 423,760; Jan. 2. Class 23.
Johnston, Everett, doing business as California Avocado Distrs., Vista, Calif. Fresh fruits. Serial No. 424,596; Jan. 2. Class 46.
Johnston, Everett, doing business as Subtropical Sales Co., Vista, Calif. Fresh fruits. Serial No. 424,597; Jan. 2. Class 46.
Kartiganer, Charles, doing business as Kartiganer & Co., New York, N. Y. Ladies' and children's hats. Serial No. 424,879; Jan. 2. Class 39.
Kaysam Corporation of America, Passaic, N. J. Rubber bulbs for sprayers, atomizers, syringes, and aspirators. Serial No. 420,863; Jan. 2. Class 44.
Kemgro Manufacturing Company. (See McMillen, Robert F.)
Klenzall Co. (See Dymitro, Frank.)
Kress, S. H., and Company, New York, N. Y. Crackers and chewing gum. Serial No. 422,338; Jan. 2. Class 46.
Lawson Products, Inc., Pawtucket, R. I. Men's goods. Serial No. 421,885; Jan. 2. Class 39.
Leighton, Cora E., Fort Dodge, Iowa. Ointment. Serial No. 424,598; Jan. 2. Class 6.
Lektrolite Corporation, The, Stamford, Conn. Catalytic lighters and parts for lighters. Serial No. 421,705; Jan. 2. Class 34.
Lentheric, Incorporated, New York, N. Y. Perfume and cosmetic cream. Serial Nos. 425,577–8; Jan. 2. Class 6.
Lewel Mfg. Co., Inc., New York, N. Y. Girdles. Serial No. 424,919; Jan. 2. Class 39.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Fabrics in the piece. Serial No. 425,339; Jan. 2. Class 42.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. Serial No. 425,340; Jan. 2. Class 39.
Los Angeles Soap Company, Los Angeles, Calif. Toilet soap. Serial No. 422,903; Jan. 2. Class 4.
Love Romances Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 425,247; Jan. 2. Class 38.
Love Romances Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 424,522; Jan. 2. Class 38.
Maass, Harvey, Seymour, Wis. Hybrid seed corn. Serial No. 424,399; Jan. 2. Class 1.
Maranville, Roy, East Hampton, N. Y. Canned clam chowder. Serial No. 424,778; Jan. 2. Class 46.
Marlun Manufacturing Co., Inc., New York, N. Y. Electrical cooking stoves. Serial No. 425,284; Jan. 2. Class 21.
Marr, H. A., Grocery Company, Denver, Colo. Canned fruits, canned vegetables, canned pork and beans, etc. Serial No. 417,467; Jan. 2. Class 46.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 425,090; Jan. 2. Class 38.
McKesson & Robbins, Incorporated, Fairfield, Conn. Playing cards. Serial No. 399,509; Jan. 2. Class 22.
McKim, Orville E., Port Chester, N. Y. Insecticide. Serial No. 424,856; Jan. 2. Class 6.
McMillen, Robert F., doing business as Kemgro Manufacturing Company, Amarillo, Tex. Chemical fertilizers. Serial No. 420,067; Jan. 2. Class 10.
Mead Johnson & Company, Evansville, Ind. Specially prepared food, calcium caseinate, powdered whole milk, etc. Serial No. 420,382; Jan. 2. Class 46.
Mediped Sales Service Co. (See Rast, William C.)
Mill Agents and Distributors, Inc., Oakland, Calif. Paper. Serial No. 416,810; Jan. 2. Class 37.
Miller, Milo F., Kansas City, Mo. Expense and data sheets. Serial No. 417,548; Jan. 2. Class 37.
Mission Chemical Company. (See Ashbrook, E. R.)
Mitchell & Peirson, Inc., Philadelphia, Pa. Leather. Serial No. 424,692; Jan. 2. Class 1.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Paint for concrete. Serial No. 425,345; Jan. 2. Class 16.
Montalvo-Guenard, Jose L., Ponce, P. R. Cigarettes. Serial No. 421,666; Jan. 2. Class 17.
Morganstein, Inc., New Orleans, La. Packaged ice cream. Serial No. 424,403; Jan. 2. Class 46.
Myers, Harold C., doing business as E. B. Myers Co., Los Angeles, Calif. Cotton piece goods. Serial No. 423,274; Jan. 2. Class 42.
Mylish, Mann & Drucker, Philadelphia, Pa. Dress shirts. Serial No. 425,006; Jan. 2. Class 39.
N & W Overall Co. Inc., Lynchburg, Va. Work shirts, work pants, overalls, etc. Serial No. 425,093; Jan. 2. Class 39.
Nashua Manufacturing Company, Boston, Mass. Blankets. Serial No. 420,641; Jan. 2. Class 42.
National Silver Company, New York, N. Y. Field glasses and cameras. Serial No. 424,309; Jan. 2. Class 26.
North American Aviation, Inc., Inglewood, Calif. Sealing compound. Serial Nos. 417,814–15; Jan. 2. Class 12.
Nowlin, A. S., & Co., Lynchburg, Va. Domestic household coal Serial No. 424,276; Jan. 2. Class 1.
Old Smoky Sales Co. (See Auerbach, Maurice H.)
Orange Knitting Mills, Inc., Orange, Va. Hosiery. Serial No. 425,421; Jan. 2. Class 39.
Pagodas Incorporated, Newark, N. J. Chow mein. Serial No. 425,095; Jan. 2. Class 46.
Parfums Charbert, Inc., New York, N. Y. Lipsticks. Serial No. 424,739; Jan. 2. Class 6.
Parke, Davis & Company, Detroit, Mich. Monthly publication. Serial No. 425,060; Jan. 2. Class 38.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Slips and foundation garments. Serial No. 424,782; Jan. 2. Class 39.
Pepperell Manufacturing Company, Boston, Mass. Blankets and piece goods. Serial No. 424,784; Jan. 2. Class 42.
Pfeiffer, Paul C., Jr., assignor to Paul C. Pfeiffer, Sr., and Paul C. Pfeiffer, Jr., Elroy, Wis. Photographic prints. Serial No. 424,059; Jan. 2. Class 38.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat and rye flour. Serial No. 424,382; Jan. 2. Class 46.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint brushes. Serial No. 424,205; Jan. 2. Class 29.
Plant Chemicals Co., Ltd., Carmel, Calif. Chemical fertilizers. Serial No. 424,060; Jan. 2. Class 10.
Pyramid Rubber Company, The, Ravenna, Ohio. Applicators and medicine droppers. Serial No. 425,123; Jan. 2. Class 44.
Rast, William C., doing business as Mediped Sales Service Co., Seattle, Wash. Automatic prophylaxis dispenser. Serial No. 425,707; Jan. 2. Class 44.
Ready Foods Company, Inc., doing business as Hi-Life Packing Company, Chicago, Ill. Canned dog food. Serial No. 425,255; Jan. 2. Class 46.
Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. Serial No. 405,824; Jan. 2. Class 9.
Rhythm Hosiery Company. (See Wolf, Jacob.)
Rice-Stix Dry Goods Company, St. Louis, Mo. Hand bags. Serial No. 409,209; Jan. 2. Class 3.
Rich's, Inc., Atlanta, Ga. Boots, shoes, and slippers. Serial No. 424,063; Jan. 2. Class 39.
Ricker, Clarence A., Duxbury, Mass. Fresh cranberries. Serial No. 423,340; Jan. 2. Class 46.
Rivet-O Manufacturing Company, Orange, Mass. Stamp pads, rotary daters, time stamps, etc. Serial No. 416,593; Jan. 2. Class 37.
Roberts Company, Toledo, Ohio. Popcorn. Serial No. 424,369; Jan. 2. Class 46.
Rothchild, Aaron, New York, N. Y. Ladies' hats. Serial No. 424,858; Jan. 2. Class 39.
S. M. Laboratories Co., Seattle, Wash. Vaginal suppositories. Serial No. 425,258; Jan. 2. Class 6.
San Gabriel Wine Co., Inc., New York, N. Y. Wines. Serial No. 419,398; Jan. 2. Class 47.
Schering Corporation, Bloomfield, N. J. Medicinal hormone preparation. Serial No. 424,929; Jan. 2. Class 6.
Schneiderman, Joseph, doing business as High Duke Prodncts Co., Chicago, Ill. Hair dressing pomade and shampoo. Serial No. 424,826; Jan. 2. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Accordions. Serial No. 419,045; Jan. 2. Class 36.
Sears, Roebuck and Co., Chicago, Ill. Paint. Serial Nos. 424,500–1; Jan. 2. Class 16.
Sears, Roebuck and Co., Chicago, Ill. Window curtains. Serial No. 424,525; Jan. 2. Class 42.
Seeing Eye, Incorporated, The, Whippany, N. J. Guide dogs trained to lead the blind. Serial No. 424,787; Jan. 2. Class 1.
Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Tank bulb stems, lever wires, adjustable float rods, etc. Serial No. 403,879; Jan. 2. Class 13.
Smit, J. K., & Sons, Inc., New York, N. Y. Diamond bits. Serial No. 425,014; Jan. 2. Class 23.
Speyer, Joseph, New York, N. Y. Sponges. Serial No. 424,671; Jan. 2. Class 1.
Stanco Incorporated, Wilmington, Del., and New York, N. Y. Insecticides, deodorants, and disinfectants. Serial No. 425,309; Jan. 2. Class 6.
Subtropical Sales Co. (See Johnston, Everett.)
Sussberg & Feinberg, Inc., New York, N. Y. Piece goods. Serial No. 425,538; Jan. 2. Class 42.
Sussex Sales Corp., New York, N. Y. Ladies' and children's underwear. Serial No. 424,828; Jan. 2. Class 39.
Tabin-Picker & Company, Chicago, Ill. Rayon piece goods. Serial No. 425,071; Jan. 2. Class 42.
Taylor Optical, Inc., Detroit, Mich. Optical lenses. Serial No. 425,211; Jan. 2. Class 26.
Timex Products Co. (See Wilson, Mack.)
Towle Manufacturing Company, Newburyport, Mass. Flatware and hollow ware. Serial No. 424,568; Jan. 2. Class 28.

Trident Corporation, The, New York, N. Y. Bowl covers. Serial No. 419,281; Jan. 2. Class 50.
Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon and tuna. Serial No. 423,243; Jan. 2. Class 46.
United States Rubber Company, New York, N. Y. Bases of rubber and fabric for rubber cushions. Serial No. 424,752; Jan. 2. Class 32.
Vanity Fair Silk Mills, Reading, Pa. Slips and petticoats. Serial No. 424,746; Jan. 2. Class 39.
Variety Club Beverage Co., Toledo, Ohio. Beverages, soda fountain syrups, bottlers' flavors, etc. Serial No. 424,530; Jan. 2. Class 45.
Vent-A-Hood Company, The, Dallas, Tex. Forced draft hood kitchen ventilators. Serial No. 420,609; Jan. 2. Class 34.
Vogue Knitting Company, Womelsdorf, Pa. Children's knit underwear. Serial No. 422,962; Jan. 2. Class 39.
Vogue Knitting Company, Womelsdorf, Pa. Children's knit underwear. Serial No. 422,964; Jan. 2. Class 39.
Vrooman, George B., Inc., Philadelphia, Pa. Tomato juice, spaghetti sauce, jellies, etc. Serial No. 424,505; Jan. 2. Class 46.
Watson, Robert R., doing business as Robert R. Watson and Son, Columbus, Ohio. Medicinal preparation. Serial No. 424,861; Jan. 2. Class 6.
Weber and Heilbroner, Inc., New York, N. Y. Hats, caps, overcoats, etc. Serial No. 424,674; Jan. 2. Class 39.
Wilkins, W. Burdette, Marblehead, Mass. Rowboats, tenders, and dinghies. Serial No. 421,790; Jan. 2. Class 19.
Wilson, Mack, doing business as Timex Products Co., St. Louis, Mo. Polishing compound. Serial No. 424,282; Jan. 2. Class 16.
Wolf, Jacob, doing business as Rhythm Hosiery Company, Baltimore, Md. Stockings. Serial No. 425,503; Jan. 2. Class 39.
Worth Publishing Company, Inc., New York, N. Y. Periodical publication. Serial No. 422,970; Jan. 2. Class 38.
Wright, Wallace C., doing business as Wright Chemical Company, Everett, Mass. Chemical preparation for use in washing, cleaning, and removal of spots. Serial No. 412,933; Jan. 2. Class 4.
Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. Serial No. 423,871; Jan. 2. Class 46.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Medicinal product. Serial Nos. 424,509–10; Jan. 2. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet tissue. 374,143; Jan. 2; Serial No. 420,796; published Aug. 15, 1939. Class 37.
Abramson, Joseph L., doing business as Atomette Company, New York, N. Y. Dispensing container for liquids. 374,180; Jan. 2; Serial No. 421,956; published Oct. 24, 1939. Class 2.
Abrash, George, New York, N. Y. Beverage drinks. 374,146; Jan. 2; Serial No. 420,925; published Oct. 24, 1939. Class 45.
Adjustable Louver Corporation, Brooklyn, N. Y. Ventilating louvers. 374,083; Jan. 2; Serial No. 409,859; published Oct. 24, 1939. Class 34.
Aktiebolaget Svenska Kapselfabriken, Stockholm, Sweden. Collapsible tubes. 374,114; Jan. 2; Serial No. 418,128; published Oct. 10, 1939. Class 2.
Allegheny Chemical Corporation. (See Standard Chemical Works, assignor.)
Allied Kid Company, Boston, Mass. Finished skins. 374,205; Jan. 2; Serial No. 422,458; published Oct. 24, 1939. Class 1.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Quilted crib pads, muslin crib sheets, pillow cases, etc. 374,190; Jan. 2; Serial No. 422,233; published Oct. 24, 1939. Class 42.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Diapers, infants' sleeping robes, training panties, etc. 374,191; Jan. 2; Serial No. 422,234; published Oct. 17, 1939. Class 39.
American Abrasive Metals Company, New York, N. Y. Paint preservative. 374,183; Jan. 2; Serial No. 422,086; published Oct. 24, 1939. Class 16.
American Fork & Hoe Company, The, Cleveland, Ohio. Axes. 374,079; Jan. 2; Serial No. 408,490; published Oct. 18, 1938. Class 23.
American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 374,251; Jan. 2; Serial No. 423,081; published Oct. 24, 1939. Class 40.
American Type Founders, Inc., Elizabeth, N. J. Leads, slugs, and rules cast in type metal. 374,254; Jan. 2; Serial No. 423,121; published Oct. 24, 1939. Class 14.
Amity Leather Products Co., West Bend, Wis. Tobacco pouches. 374,162; Jan. 2; Serial No. 421,412; published Oct. 24, 1939. Class 8.
Amity Leather Products Co., West Bend, Wis. Coin purses. 374,277; Jan. 2; Serial No. 423,620; published Oct. 24, 1939. Class 3.
Andrews, R. P., Paper Company, Washington, D. C. Papers and envelopes. 374,261; Jan. 2; Serial No. 423,198; published Oct. 24, 1939. Class 37.
Anemostat Corporation of America, New York, N. Y. Fan-driven ventilators, air diffusers, and air aspirators. 374,290; Jan. 2. Class 34.
Apple Growers Association, Hood River, Oreg. Canned fruits. 374,321; Jan. 2. Class 46.
Aro Equipment Corporation, The, Bryan, Ohio. Pneumatic tools. 374,249; Jan. 2; Serial No. 423,051; published Oct. 24, 1939. Class 23.
Atomette Company. (See Abramson, Joseph L.)
Automatic Coil Winder and Electrical Equipment Company Limited, The, London, England. Electrical measuring instruments and testing instruments. 374,073; Jan. 2; Serial No. 406,436; published Oct. 24, 1939. Class 26.
Bagg, Linus W., Newark, N. J. Shoes. 374,116; Jan. 2; Serial No. 418,225; published Oct. 17, 1939. Class 39.
Baird, William M., Chicago, Ill. Refrigerated locker units. 374,272; Jan. 2; Serial No. 423,487; published Oct. 24, 1939. Class 31.
Bancroft, Joseph, & Sons Co., Wilmington, Del. Piece goods. 374,103; Jan. 2; Serial No. 416,362; published Oct. 24, 1939. Class 42.
Barber, L. B., doing business as Vivian Manufacturing Company, St. Louis, Mo. Delivery bags, crushed ice bags, pails, and baskets. 374,165; Jan. 2; Serial No. 421,471; published Oct. 17, 1939. Class 2.
Barbour Brothers Co., The, Paterson, N. J., to The Linen Thread Co., Inc., New York, N. Y., successor. Linen thread. 128,617; renewed Jan. 13, 1940.
Barton Corporation, The, West Bend, Wis. Laundry washing machines. 374,109; Jan. 2; Serial No. 416,991; published Oct. 17, 1939. Class 24.
Behr-Manning Corporation, Troy, N. Y. Flock coated textile fabrics. 374,148; Jan. 2; Serial No. 421,022; published Oct. 24, 1939. Class 42.
Belle Knitting Corp., New York, N. Y. Ladies' and children's underwear. 374,302; Jan. 2. Class 39.
Berman, Charles D., doing business as Berman Chemical Company, Toledo, Ohio. Cleaning preparations. 374,090; Jan. 2; Serial No. 412,283; published Oct. 24, 1939. Class 4.
Big Bill Tackle Co. (See Marshall-Wells Company.)
Block, Alexander E., St. Louis, Mo. Supports for the longitudinal arch of the foot. 127,901; renewed Dec. 16, 1939.
Bloom, Philip S., Co., Chicago, Ill. Ladies' undergarments. 374,294–5; Jan. 2, 1940. Class 39.
Boake, A., Roberts & Company Limited, London, England. Essential oils, essences, and flavourings, and fruit extracts. 374,204; Jan. 2; Serial No. 422,437; published Oct. 24, 1939. Class 46.
Bohn Aluminum & Brass Corporation, Detroit, Mich. Metals, metal castings and forgings. 374,084; Jan. 2; Serial No. 411,208; published Oct. 24, 1939. Class 14.
Bon Marche, The. (See Allied Stores Corporation.)
Bonwit Teller, Inc., New York, N. Y. Corsets, girdles, brassières, etc. 374,223; Jan. 2; Serial No. 422,731; published Oct. 17, 1939. Class 39.
Booth Fisheries Corporation. (See Lubec Sardine Co., assignor.)
Borg-Warner Corporation, Chicago, Ill., and Detroit, Mich. Refrigerators and parts thereof. 374,113; Jan. 2; Serial No. 417,997; published Oct. 24, 1939. Class 31.
Boulevard Sport Shop, Inc., Detroit, Mich. Golf balls. 374,270; Jan. 2; Serial No. 423,456; published Oct. 24, 1939. Class 22.
Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Liquid measuring and dispensing apparatus equipped with hose storage devices. 374,107; Jan. 2; Serial No. 416,761; published Oct. 24, 1939. Class 26.
Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Direction and/or rate of liquid flow indicators. 374,092; Jan. 2; Serial No. 412,584; published Oct. 24, 1939. Class 26.
Brandt Company, The, Cleveland, Ohio. Dressed broiler and roasting chickens. 374,232; Jan. 2; Serial No. 422,851; published Oct. 24, 1939. Class 46.
Brentwood Produce Association, Brentwood and Knightsen, Calif. Fresh vegetables. 374,217; Jan. 2; Serial No. 422,654; published Oct. 24, 1939. Class 46.
Broquinda, Inc., St. Petersburg, Fla. Filters and refrigerator units. 374,138; Jan. 2; Serial No. 420,712; published Oct. 17, 1939. Class 31.
Burmel Handkerchief Corporation, New York, N. Y. Handkerchiefs. 374,126; Jan. 2; Serial No. 419,610; published Oct. 10, 1939. Class 39.
Button Corporation of America, Newark, N. J. Buttons and buckles or slides for belts. 374,129; Jan. 2; Serial No. 419,746; published Oct. 10, 1939. Class 40.

Cabin Crafts, Dalton, Ga. Rugs and bedspreads. 374,224; Jan. 2; Serial No. 422,734; published Oct. 24, 1939. Class 42.

Cadie Chemical Products Inc., New York, N. Y. Chemically treated polishing cloths. 374,132; Jan. 2; Serial No. 420,090; published Oct. 24, 1939. Class 4.

Cahoone, William M., Pasadena, Calif. Cheese. 374,159; Jan. 2; Serial No. 421,284; published Oct. 24, 1939. Class 46.

California Citrus Food Products. (See Wurgaft, Robert B.)

California Walnut Growers Association, Los Angeles, Calif. Walnut-meats. 130,162; renewed Apr. 13, 1940.

California Wine Company, Inc., Chicago, Ill. Wine. 374,203; Jan. 2; Serial No. 422,395; published Oct. 24, 1939. Class 47.

Cameron Heartometer Company, Chicago, Ill. Instrument used to determine and record the heart, venous, and lung action. 374,330; Jan. 2. Class 44.

Caradine Hat Company, St. Louis, Mo. Men's and boys' fur felt hats. 374,202; Jan. 2; Serial No. 422,355; published Oct. 10, 1939. Class 39.

Central Chemical Corporation of Maryland, Hagerstown, Md. Fertilizers. 374,186; Jan. 2; Serial No. 422,124; published Oct. 10, 1939. Class 10.

Chapman Valve Mfg. Co., The, Indian Orchard, Mass. Pivoted disc valves and parts thereof and accessories therefor. 374,332; Jan. 2. Class 13.

Chicago Mail Order Company, Chicago, Ill. Ice cream freezers. 374,237; Jan. 2; Serial No. 422,892; published Oct. 24, 1939. Class 31.

Chicago Tanning Company, Chicago, Ill. Horse-leather. 130,672; renewed May 4, 1940.

Christy, Thos., & Co. Ltd., London, England. Tea. 374,163; Jan. 2; Serial No. 421,451; published Oct. 24, 1939. Class 46.

Clark Equipment Company, Buchanan, Mich. Industrial motor driven trucks. 374,218; Jan. 2; Serial No. 422,655; published Oct. 24, 1939. Class 19.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Dental cream. 274,172; Jan. 2; Serial No. 421,726; published Oct. 10, 1939. Class 6.

Collins and Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Cotton pile fabrics in the piece. 374,152; Jan. 2; Serial No. 421,180; published Aug. 22, 1939. Class 42.

Colson Corporation, The, Elyria, Ohio. Bicycles. 374,315; Jan. 2. Class 19.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Containers, and parts thereof. 374,120; Jan. 2; Serial No. 418,675; published Oct. 17, 1939. Class 2.

Comptoir des Textiles Artificiels, Paris, France. Fibers of wool, cotton, silk, etc. 374,094; Jan. 2; Serial No. 413,819; published Oct. 24, 1939. Class 1.

Comptoir des Textiles Artificiels, Société Anonyme, Paris, France. Thread and yarn. 374,149; Jan. 2; Serial No. 421,027; published Oct. 3, 1939. Class 43.

Commar Products Corporation, Bayonne, N. J. Slide fasteners. 374,106; Jan. 2; Serial No. 416,682; published Oct. 24, 1939. Class 13.

Cooperative G. L. F. Soil Building Service, Inc., Ithaca and New York, N. Y. Fertilizers. 374,207; Jan. 2; Serial No. 422,464; published Oct. 17, 1939. Class 10.

Corning Olive Company. (See La Mirada Olive Company.)

Coronet Merchandising Company, Inc., New York, N. Y. Manually operated prize machine. 374,283; Jan. 2; Serial No. 423,798; published Oct. 24, 1939. Class 22.

Coward Shoe, Inc., The, New York, N. Y. Leather shoes. 374,112; Jan. 2; Serial No. 417,904; published Oct. 17, 1939. Class 39.

Crane Co., Chicago, Ill. Closet bowls and urinals. 374,241; Jan. 2; Serial No. 422,986; published Oct. 24, 1939. Class 13.

Crane Co., Chicago, Ill. Bathtub and lavatory water supply and waste fittings. 374,242; Jan. 2; Serial No. 422,987; published Oct. 24, 1939. Class 13.

Crown Overall Manufacturing Company, The, Cincinnati, Ohio. Clothing. 374,304; Jan. 2. Class 39.

Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel bars, rods, billets, etc. 129,142; renewed Jan. 27, 1940.

Decker, Ammiel F., Pelham, N. Y. Soap powder. 373,174; Jan. 2; Serial No. 421,800; published Oct. 24, 1939. Class 4.

Deutsche Grammophon Gesellschaft mit beschränkter Haftung, Berlin-Tempelhof, Germany. Phonographs and talking machines, tone record holders, gramophone records, etc. 374,086–7; Jan. 2; Serial Nos. 411,523–4; published Oct. 24, 1939. Class 36.

Distilled Liquors Corporation, New York, N. Y. Whiskey, gin, rum, etc. 374,273–4; Jan. 2; Serial Nos. 423,523–4; published Oct. 24, 1939. Class 49.

Diversey Corporation, The, Chicago, Ill. Cleanser. 374,310; Jan. 2. Class 4.

Dollfus Mieg & Cie. Societe Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societie Anonyme, Mulhouse (Haut-Rhin), France. Threads, yarns. 127,922–5; renewed Dec. 16, 1939.

Dollfus-Mieg & Cie. Societe Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societie Anonyme, Mulhouse (Haut-Rhin), France. Cotton yarns. 128,046–7; renewed Dec. 23, 1939.

Dollfus-Mieg & Cie. Societe Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societie Anonyme, Mulhouse (Haut-Rhin), France. Threads, and yarns. 129,147; renewed Jan. 27, 1940.

Dollfus-Mieg & Cie. Societe Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societie Anonyme, Mulhouse (Haut-Rhin), France. Threads, yarns. 129,279; renewed Feb. 10, 1940.

Dougherty's, J. A., Sons, Incorporated, Distillers, Philadelphia, Pa. Whiskey. 374,213; Jan. 2; Serial No. 422,620; published Oct. 17, 1939. Class 49.

Douglas, W. L., Shoe Co., Brockton, Mass. Boots, shoes, and slippers. 374,144; Jan. 2; Serial No. 420,808; published Oct. 17, 1939. Class 39.

Douglas, W. L., Shoe Co., Brockton, Mass. Boots, shoes, and slippers. 374,208; Jan. 2; Serial No. 422,467; published Oct. 10, 1939. Class 39.

Duff Manufacturing Company, The, Pittsburgh, Pa., by change of name to The Duff-Norton Manufacturing Company. Drop-forged parts. 131,302; renewed May 11, 1940.

Duncan, Donald F., Inc., Chicago, Ill. Toy. 374,228; Jan. 2; Serial No. 422,811; published Oct. 17, 1939. Class 22.

Dunderry Woolen Mills, Rockford, Ill. Flat woolen dress goods. 374,155; Jan. 2; Serial No. 421,237; published Oct. 24, 1939. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Ohmmeters, photographic electric squibs, photographic film, etc. 374,153; Jan. 2; Serial No. 421,225; published Oct. 24, 1939. Class 26.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Battery zinc, gold hydrate, indium, etc. 374,154; Jan. 2; Serial No. 421,226; published Oct. 24, 1939. Class 14.

Eagle Clothes, New York, N. Y. Overcoats, topcoats, and suits. 374,293; Jan. 2. Class 39.

Eaton Rapids Woolen Mills, Eaton Rapids, Mich. by change of name to Horner Woolen Mills Company. Fabric puttees. 131,740; renewed May 25, 1940.

Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 374,101; Jan. 2; Serial No. 415,881; published Oct. 24, 1939. Class 46.

Elder Manufacturing Company, St. Louis, Mo. Crayons, wood encased lead pencils, slates, and school tablets. 374,147; Jan. 2; Serial No. 420,945; published Oct. 24, 1939. Class 37.

Ellison Louvre Company, Inc., Marietta, Ohio. Louvre ventilators. 374,303; Jan. 2. Class 34.

Empire State Pickling Company, Phelps, N. Y. Canned vegetables and apple butter. 374,188; Jan. 2; Serial No. 422,203; published Oct. 24, 1939. Class 46.

Empire State Pickling Company. Phelps, N. Y. Matches. 374,262; Jan. 2; Serial No. 423,210; published Oct. 24, 1939. Class 9.

Fair, The, Chicago, Ill. Men's negligee shirts. 374,317; Jan. 2. Class 39.

Fairbanks, Morse & Co., Chicago, Ill. Internal-combustion engines. 131,456; renewed May 18, 1940.

Faistenhamer, Bernhard, Baltimore, Md. Cigars. 374,243; Jan. 2; Serial No. 422,991; published Oct. 24, 1939. Class 17.

Famous-Barr Co. (See May Department Stores Company, The.)

Fantle Bros Co. Inc., Yankton, S. Dak., and Fort Dodge and Marshalltown, Iowa. Dresses and housecoats. 374,311; Jan. 2. Class 39.

Farmers Cooperative Marketing Assn., East Grand Forks, Minn. Potatoes. 374,091; Jan. 2; Serial No. 412,336; published Oct. 24, 1939. Class 46.

Fashion Bootery, The, Seattle, Wash. Shoes. 374,219; Jan. 2; Serial No. 422,666; published Oct. 17, 1939. Class 39.

Fashion Frocks, Inc., Cincinnati, Ohio. Children's apparel. 374,327; Jan. 2. Class 39.

Fayssoux, Jack C., Jacksonville, Fla. Shirts, neckties, handkerchiefs, etc. 374,187; Jan. 2; Serial No. 422,130; published Oct. 17, 1939. Class 39.

Feinberg-Henry Mfg. Co., Inc., New York, N. Y. Key cases and wallets. 374,244–5; Jan. 2; Serial Nos. 422,992–3) published Oct. 24, 1939. Class 3.

Fink, Arthur, Brooklyn, N. Y. Denture materials. 374,176; Jan. 2; Serial No. 421,850; published Oct. 24, 1939. Class 44.

Finsterwald Clothing Company, Detroit, Mich. Men's Clothing. 374,184; Jan. 2; Serial No. 422,092; published Oct. 3, 1939. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires and tubes. 374,278; Jan. 2; Serial No. 423,627; published Oct. 24, 1939. Class 35.

Florasynth Laboratories Inc., New York, N. Y. Beverages, and syrups, extracts, and flavors for making same. 374,124; Jan. 2; Serial No. 419,187; published Oct. 24, 1939. Class 45.

Foodcraft Products. (See United Buyers Corporation.)

Fooks, B. T., doing business as Dr. Pepper Bottling Company, Camden, Ark. Beverages, and syrups, extracts, and flavors for making same. 374,125; Jan. 2; Serial No. 419,299; published Oct. 24, 1939. Class 45.

Franc, Strohmenger & Cowan, Inc., New York, assignor to Franc, Strohmenger & Cowan, Inc., Troy, N. Y. Neckties, cravats, and scarfs. 131,754; renewed May 25, 1940.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. 374,107; Jan. 2; Serial No. 422,279; published Oct. 17, 1939. Class 39.

Friedman, J., & Co., Inc., New York, N. Y. Suits, coats, vests, etc. 374,320; Jan. 2. Class 39.

Fuller Finish Company, Chicago, Ill. Protective varnish type finish. 374,192; Jan. 2; Serial No. 422,243; published Oct. 24, 1939. Class 16.

G. H. S. Corporation, New York, N. Y. Hair goods. 374,313; Jan. 2. Class 40.

Gamble Stores Incorporated, Minneapolis, Minn. T-squares, squares, and levels. 374,198; Jan. 2; Serial No. 422,280; published Oct. 24, 1939. Class 26.

Garman, George W., Incorporated, Camden, N. J. Electric cooking ranges. 374,080; Jan. 2; Serial No. 408,839; published Oct. 24, 1939. Class 21.

General Food Products Co. (See Safeway Stores, Inc.)

Georgia Cushion & Wrapper Company, Woodland, Ga. Packing cushions and packing cushion fringes. 374,285; Jan. 2. Class 50.

Gimbel Brothers, Inc., New York, N. Y. Valises, suitcases, brief cases, etc. 374,177; Jan. 2; Serial No. 421,934; published Oct. 10, 1939. Class 3.

Glidden Company, The, Cleveland, Ohio. Soybean flour for making adhesives, plastics, etc. 374,009; Jan. 2; Serial No. 399,657; published Feb. 14, 1939. Class 1.

Goldberger, Leo J., New York, N. Y. Children's dresses, blouses, and jumpers. 374,306; Jan. 2. Class 39.

Goldsmith Bros., New York, N. Y. Record paper ruled in columns. 374,246; Jan. 2; Serial No. 422,996; published Oct. 24, 1939. Class 37.

Goodrich Electric Company, Chicago, Ill. Unitary electric lighting fixtures. 374,140; Jan. 2; Serial No. 420,761; published Oct. 24, 1939. Class 21.

Gotham Sales Company Inc., New York, N. Y. Razor blades. 374,085; Jan. 2; Serial No. 411,452; published Oct. 24, 1939. Class 23.

Grant, W. T., Company, New York, N. Y. Rugs. 374,296; Jan. 2. Class 42.

Growers Fruit Company, Inc., Edinburg, Tex. Fresh citrus fruits and fresh tomatoes. 374,131; Jan. 2; Serial No. 419,833; published Oct. 17, 1939. Class 46.

Grumette, Murray, Brooklyn, N. Y. Puzzles and puzzle games. 374,233; Jan. 2; Serial No. 422,854; published Oct. 24, 1939. Class 22.

Hadsell, Charles E., Los Angeles, Calif. Heat insulating pads constructed with a casing. 374,065; Jan. 2; Serial No. 392,359; published Oct. 24, 1939. Class 31.

Hall Packing Co., Sanger, Calif. Fresh grapes. 374,323; Jan. 2. Class 46.

Hansen, Volney R., and K. B. Ivey, Fabens, Tex. Alfalfa seeds. 374,263; Jan. 2; Serial No. 423,264; published Oct. 24, 1939. Class 1.

Harmonica Bar Frozen Products Corp., New York, N. Y. Individual portions of ice cream. 374,288; Jan. 2. Class 46.

Hat Corporation of America, Norwalk, Conn. Hats for men. 374,225; Jan. 2; Serial No. 422,745; published Oct. 17, 1939. Class 39.

Henriette, Incorporated, Dayton, Ky. Empty compacts and boxes. 374,134; Jan. 2; Serial No. 420,226; published Oct. 24, 1939. Class 2.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Braces. 374,326; Jan. 2. Class 39.

Hillcrest Mills, Inc., New York, N. Y. Knitted rayon and cotton fabrics. 374,206; Jan. 2; Serial No. 422,461; published Oct. 24, 1939. Class 42.

Holly-Maid Sportwear Mills Co., Los Angeles, Calif. Knitted piece goods. 374,068; Jan. 2; Serial No. 399,189; published Oct. 24, 1939. Class 42.

Homer Locker Company. (See Richardson, Geo. J.)

Hooven & Allison Company, The, Xenia, Ohio. Fiber ropes and twines. 130,754; renewed May 4, 1940.

Horner Woolen Mills. (See Eaton Rapids Woolen Mills.)

Horton Manufacturing Company, Fort Wayne, Ind. Laundry washing machines and ironing machines. 374,316; Jan. 2. Class 24.

Hygrade Food Products Corporation, New York, N. Y. Dog food. 374,214; Jan. 2; Serial No. 422,626; published Oct. 24, 1939. Class 46.

Hy-Trous Co., Inc., Miami, Fla. Plant food. 374,252; Jan. 2; Serial No. 423,099; published Oct. 24, 1939. Class 10.

Ideal Roller Company, assignor to Ideal Roller and Manufacturing Company, Chicago, Ill. Rollers. 130,760; renewed May 4, 1940.

Igelstroem, John, Company, Massillon, Ohio. Non-electric signs. 374,264; Jan. 2; Serial No. 423,269; published Oct. 24, 1939. Class 50.

Institute of Visual Guidance, Buffalo, N. Y. Periodical. 374,074; Jan. 2; Serial No. 406,683; published Oct. 10, 1939. Class 38.

Insulite Company, The, Minneapolis, Minn. Surface coated fiber composition board and blocks and the like. 374,307; Jan. 2. Class 12.

Insulite Company, The, Minneapolis, Minn. Surface coated fiber composition board and blocks and the like. 374,312; Jan. 2. Class 12.

International Braid Company, Providence, R. I. Tapes and webbings, braids, etc. 374,255; Jan. 2; Serial No. 423,136; published Oct. 24, 1939. Class 40.

International Industries, Inc., Ann Arbor, Mich. Photographic apparatus. 374,175; Jan. 2; Serial No. 421,805; published Oct. 24, 1939. Class 26.

International Shoe Co., St. Louis, Mo. Boots and shoes. 374,256; Jan. 2; Serial No. 423,170; published Oct. 24, 1939. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 374,299; Jan. 2. Class 39.

Iowa Canning Company, Vinton, Iowa. Canned vegetables. 374,133; Jan. 2; Serial No. 420,204; published Oct. 24, 1939. Class 46.

Ivey, K. B. (See Hansen, Volney R., and K. B. Ivey.)

Javoop Company, Grand Rapids, Mich. Games. 374,271; Jan. 2; Serial No. 423,466; published Oct. 24, 1939. Class 22.

Jay Shoe Manufacturing Company, Cambridge, Mass. Ladies' shoes. 374,324; Jan. 2. Class 39.

Johnson, Beverly (Pat), Dallas, Tex. Gliders. 374,275; Jan. 2; Serial No. 423,530; published Oct. 24, 1939. Class 32.

Jordan Marsh Company, Boston, Mass. Refrigerators. 374,141; Jan. 2; Serial No. 420,767; published Aug. 1, 1939. Class 31.

Julius, Hyman, to Liberty Ink Company, Brooklyn, N. Y., successor. Writing-ink. 129,760; renewed Mar. 9, 1940.

Kartiganer, Charles, doing business as Kartiganer & Co., New York, N. Y. Ladies' and children's hats. 374,121; Jan. 2; Serial No. 418,686; published Oct. 17, 1939. Class 39.

Kayser, Julius, & Co., New York, N. Y. Fabric gloves. 374,117; Jan. 2; Serial No. 418,412; published Oct. 17, 1939. Class 39.

Kenilworth Pipe Company, Chicago, Ill. Pipes. 374,247; Jan. 2; Serial No. 422,997; published Oct. 24, 1939. Class 8.

Kent-Moore Organization Inc., Detroit, Mich. Headlight testers. 374,135; Jan. 2; Serial No. 420,229; published Oct. 24, 1939. Class 26.

Kleinert, I. B., Rubber Company, New York, N. Y. Reducing garments. 374,284; Jan. 2. Class 39.

Knox, Charles B., Gelatine Co. Inc., Johnstown, N. Y. Gelatin. 131,911; renewed May 25, 1940.

Kolodney & Myers, Inc., Hartford, Conn. Ladies' dresses. 374,329; Jan. 2. Class 39.

Kops, Frank, doing business as Kops Piano House, Great Falls, Mont. Pianos. 374,095; Jan. 2; Serial No. 413,950; published Oct. 24, 1939. Class 36.

Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 374,166; Jan. 2; Serial No. 421,519; published Oct. 24, 1939. Class 49.

Krause, Ernst, & Co. Aktiengesellschaft, Vienna, Austria. Profile grinding machines and parts thereof. 374,082; Jan. 2; Serial No. 409,220; published Oct. 24, 1939. Class 23.

Kress, S. H., and Company, New York, N. Y. Bottle sprayers, insecticide sprayers, hatchets, etc. 374,089; Jan. 2; Serial No. 412,105; published Oct. 24, 1939. Class 23.

La Mirada Olive Company, also doing business as Corning Olive Company, San Francisco, Calif. Olives. 374,319; Jan. 2. Class 46.

Lammers, A. W., Company, Chicago, Ill. Table, counter, bar and desk tops, and shelving. 374,164; Jan. 2; Serial No. 421,461; published Oct. 24, 1939. Class 32.

Lances, Edith, Brassieres, New York, N. Y. Brassières, corsets, slips, etc. 374,167; Jan. 2; Serial No. 421,573; published Oct. 17, 1939. Class 39.

Lapp, Chas. J. (See Miller Chemical Co., The.)

Levy, M. S., & Sons, Inc., Baltimore, Md. Men's hats. 374,150–1; Jan. 2; Serial Nos. 421,115–16; published Oct. 10, 1939. Class 39.

Liberty Ink Company. (See Julius, Hyman.)

Linen Thread Co., Inc., The. (See Barbour Brothers Co., The.)

Li-On Bedding Company, Milwaukee, Wis. Mattresses. 374,281; Jan. 2; Serial No. 423,703; published Oct. 24, 1939. Class 32.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and syrups or concentrates for making the same. 374,209; Jan. 2; Serial No. 422,478; published Oct. 17, 1939. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Delivery or peddling pushcarts and bicycle propelled carts. 374,210; Jan. 2; Serial No. 422,479; published Oct. 24, 1939. Class 19.

Lubec Sardine Co., Lubec and Belfast, Maine, assignor to Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 127,765; renewed Dec. 2, 1939.

Mack, Louis E., Harrisburg, Pa. Machine operated brushes. 374,064; Jan. 2; Serial No. 389,363; published Oct. 24, 1939. Class 23.

Mackey, C. A., & Co., New York, N. Y. Coffee. 374,200–1; Jan. 2; Serial Nos. 422,305–6; published Oct. 24, 1939. Class 46.

Mackintosh, John, & Sons, Ltd. Inc., Boston, Mass. Toffee. 374,102; Jan. 2; Serial No. 416,150; published Oct. 24, 1939. Class 46.

Macy, R. H., & Co. Inc., New York, N. Y. Candy. 374,066; Jan. 2; Serial No. 396,823; published Oct. 24, 1939. Class 46.

Maggi Co., Inc., New York, N. Y. Seasonings, sauces, gravies, etc. 374,072; Jan. 2; Serial No. 405,175; published Oct. 17, 1939. Class 46.
Mansfield Tire and Rubber Company, The, Mansfield, Ohio. Tires and tubes. 374,267; Jan. 2; Serial No. 423,427; published Oct. 24, 1939. Class 35.
Mansfield Tire and Rubber Company, The, Mansfield, Ohio. Tires and tubes. 374,268–9; Jan. 2; Serial Nos. 423,430–1; published Oct. 24, 1939. Class 35.
Marconi Bros. Inc., New York, N. Y. Combination phonograph and radio. 374,062; Jan. 2; Serial No. 368,109; published Aug. 10, 1937. Class 21.
Marquette Metal Products Company, The, Cleveland, Ohio. Textile spindles and parts thereof. 374,110; Jan. 2; Serial No. 417,178; published Oct. 24, 1939. Class 23.
Marshall-Wells Company, doing business as Big Bill Tackle Co., Duluth, Minn. Fishing reels, rods, lines, etc. 374,300; Jan. 2. Class 22.
Master-Craft Corporation, Kalamazoo, Mich. Spot carbonized forms. 374,291; Jan. 2. Class 37.
Mach King, Inc., Chicago, Ill. Cameras, photographic lenses, and sensitized photographic films. 374,127; Jan. 2; Serial No. 419,622; published Oct. 24, 1939. Class 26.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo., and St. Louis, Mo. Pottery. 374,105; Jan. 2; Serial No. 416,572; published June 6, 1939. Class 30.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo., and St. Louis, Mo. Infants' and children's dresses, coats, jackets, etc. 374,178; Jan. 2; Serial No. 421,941; published Oct. 10, 1939. Class 39.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif., and Denver, Colo., doing business as Famous-Barr Co., St. Louis, Mo. Dolls. 374,253; Jan. 2; Serial No. 423,108; published Oct. 24, 1939. Class 22.
May Oil Burner Corporation, Baltimore, Md. Fluid pumps and compressors and parts thereof. 374,257; Jan. 2; Serial No. 423,172; published Oct. 24, 1939. Class 23.
Maynes, Hyla F., North Tonawanda, assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y. Fishing reels. 374,063; Jan. 2; Serial No. 380,215; published Oct. 17, 1939. Class 22.
McCunn, James M., doing business as James M. McCunn & Co., New York, N. Y. Puerto Rican rum. 374,215; Jan. 2; Serial No. 422,631; published Oct. 24, 1939. Class 49.
McLean, Dr. J. H., Medicine Co., The, St. Louis, Mo. Medicinal preparations and products. 128,775; renewed Jan. 13, 1940.
McLean, Dr. J. H., Medicine Co., The, St. Louis, Mo. Medicinal preparation. 128,776; renewed Jan. 13, 1940.
Mead Johnson & Company, Evansville, Ind. Specially prepared foods, specially prepared calcium caseinate, etc. 374,318; Jan. 2. Class 46.
Merlier, M., Inc., New York, N. Y. Gloves. 374,227; Jan. 2; Serial No. 422,781; published Oct. 17, 1939. Class 39.
Milady Brassiere and Corset Co., Inc., New York, N. Y. Corsets. 374,240; Jan. 2; Serial No. 422,944; published Oct. 17, 1939. Class 39.
Miller Chemical Co., The, to Chas. J. Lapp, doing business as The Miller Chemical Company, Cincinnati, Ohio, successor. Dry-cleaning compound. 129,797; renewed Mar. 9, 1940.
Millsite Steel & Wire Works, Inc., Howell, Mich. Fish baits. 374,279; Jan. 2; Serial No. 423,633; published Oct. 24, 1939. Class 22.
Mitchell Publishing Company, Los Angeles, Calif. Paper bibs. 374,128; Jan. 2; Serial No. 419,680; published Oct. 24, 1939. Class 39.
Moylan, William J., Fort Worth, Tex. Meat pies. 374,292; Jan. 2. Class 46.
Morgan & Goetze Knitting Mills, Inc., Irvington, N. J. Women's knitted sweaters. 374,081; Jan. 2; Serial No. 409,134; published Oct. 3, 1939. Class 39.
Morrison, Louis, New York, N. Y. Fountain pens. 374,136; Jan. 2; Serial No. 420,494; published Oct. 24, 1939. Class 37.
Motor Master Products Corporation, Chicago, Ill. Spark plugs. 374,077; Jan. 2; Serial No. 408,196; published Nov. 1, 1938. Class 21.
Motor Master Products Corporation, Chicago, Ill. Spark plugs. 374,078; Jan. 2; Serial No. 408,199; published Nov. 1, 1938; Class 21.
Mouakad, George, Co., Inc., New York, N. Y. Housecoats, petticoats, slips, etc. 374,173; Jan. 2; Serial No. 421,742; published Oct. 3, 1939. Class 39.
Muirson Label Company, Inc., New York, N. Y. Canned fruits. 374,145; Jan. 2; Serial No. 420,826; published Sept. 12, 1939. Class 46.
Multiwave Manufacturing Company. (See Roos, Victor H.)
Myers, Ralph E., doing business as Ralph E. Myers Co., Salinas, Calif. Fresh vegetables. 374,212; Jan. 2; Serial No. 422,594; published Oct. 24, 1939. Class 46.
National Carbon Company, Inc., New York, N. Y. Arc lamps and carbons. 374,067; Jan. 2; Serial No. 398,323; published Oct. 24, 1939. Class 21.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Maltless beverages and syrups and extracts for making same. 374,276; Jan. 2; Serial No. 423,571; published Oct. 24, 1939. Class 45.
Naxon Utilities Corp., Chicago, Ill. Electric cooking appliances, food warmers, casseroles, and the like. 374,115; Jan. 2; Serial No. 418,206; published Oct. 24, 1939. Class 21.
Newark Sinker Company, Newark, N. J. Fishing tackle. 374,238; Jan. 2; Serial No. 422,906; published Oct. 17, 1939. Class 22.
Norddeutsche Tapetenfabrik Hölscher & Breimer, Langenhagen, near Hanover, Germany. Wall paper, books and cards of wall paper patterns. 374,119; Jan. 2; Serial No. 418,505; published Oct. 24, 1939. Class 37.
Nu-Met Chemical Corporation, The, New York, N. Y. Metal polish. 374,096; Jan. 2; Serial No. 414,464; published Sept. 12, 1939. Class 4.
Nyco, Inc., Pittsburgh, Pa. Bowl covers. 374,193; Jan. 2; Serial No. 422,254; published Oct. 19, 1939. Class 50.
Page, Carl M., Long Beach, Calif. Carburetors and carburetion systems. 374,093; Jan. 2; Serial No. 413,026; published Oct. 24, 1939. Class 23.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Target game. 374,265; Jan. 2; Serial No. 423,278; published Oct. 24, 1939. Class 22.
Pepper, Dr., Bottling Company. (See Fooks, B. T.)
Pfister & Vogel Leather Company, assignor to Pfister & Vogel Tanning Company, Milwaukee, Wis. Uncut leather, and leather worked up into foot-wear. 17,681; re-renewed Mar. 18, 1940.
Philbert Hat Co., New York, N. Y. Ladies' and misses' hats. 374,211; Jan. 2; Serial No. 422,485; published Oct. 24, 1939. Class 39.
Phoenix Glass Company, The, Pittsburgh, to The Phoenix Glass Company, Monaca, Pa. Glass lighting-fixtures. 130,222; renewed Apr. 13, 1940.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour. 374,196; Jan. 2; Serial No. 422,269; published Sept. 26, 1939. Class 46.
Pincus & Tobias, Inc., New York, N. Y. Ladies' shoes. 374,234; Jan. 2; Serial No. 422,865; published Oct. 17, 1939. Class 39.
Pioneer Suspender Company, Philadelphia, Pa. Suspenders, braces, and supporters. 374,160; Jan. 2; Serial No. 421,319; published Oct. 10, 1939. Class 39.
Ratcliff, Raymond R., doing business at Ratcliff Products & Sales Co., Columbus, Ohio. Shoes and parts thereof. 374,130; Jan. 2; Serial No. 419,769; published Oct. 10, 1939. Class 39.
Rauh, John E., doing business as J. E. Rauh Cigar Co., Milwaukee, Wis. Cigars. 374,258; Jan. 2; Serial No. 423,174; published Oct. 24, 1939. Class 17.
Ravarino & Freschi, Inc., St. Louis, Mo. Alimentary paste products. 374,104; Jan. 2; Serial No. 416,517; published Oct. 24, 1939. Class 46.
Red Cross Manufacturing Company, The, Bluffton, Ind. Lawn mowers, corn shellers and attachments, cider mills, etc. 374,259; Jan. 2; Serial No. 423,175; published Oct. 24, 1939. Class 23.
Remington Rand Inc., Buffalo, N. Y. Massage appliances, nail trimmers, and buffers. 374,070; Jan. 2; Serial No. 400,470; published Aug. 15, 1939. Class 44.
Richardson, Geo. J., doing business as Home Locker Company, Richmond, Va. Storage cabinets. 374,122; Jan. 2; Serial No. 419,094; published Oct. 10, 1939. Class 2.
Richter, F. Ad., & Co. of New York, New York, assignor, by mesne assignments, to F. Ad. Richter & Co., Inc., Brooklyn, N. Y. Liniment. 131,593; renewed May 18, 1940.
Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Wrapping paper. 374,250; Jan. 2; Serial No. 423,070; published Oct. 24, 1939. Class 37.
Rival Manufacturing Company. (See Talge, Foster L.)
Rockbestos Products Corporation, New Haven, Conn. Insulated electric wires and cables. 374,248; Jan. 2; Serial No. 423,006; published Oct. 24, 1939. Class 21.
Rockford Machine Tool Co., Rockford, Ill. Machine tools. 374,298; Jan. 2. Class 23.
Roos, Victor H., doing business as Multiwave Manufacturing Company, Kansas City, Mo. Portable device for the therapeutic treatment of the sick. 374,328; Jan. 2. Class 44.
Russell Manufacturing Company, The, Middletown, Conn. Venetian blind tapes. 374,229–31; Jan. 2; Serial Nos. 422,830–2; published Oct. 17, 1939. Class 40.
Safeway Stores, Inc., also doing business as General Food Products Co., Vernon and Oakland, Calif. Canned fruits. 374,305; Jan. 2. Class 46.
Saks & Company, New York, N. Y. Women's and misses' shoes. 347,297; Jan. 2. Class 39.
Saylor's, Miss, Chocolates, Inc., Alameda, Calif. Candy. 374,331; Jan. 2. Class 46.
Schneier, Adelson & Adeson, Albany, N. Y. Boots and shoes. 374,157–8; Jan. 2; Serial Nos. 421,278–9; published Oct. 17, 1939. Class 39.
Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. 374,308; Jan. 2. Class 39.
Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned pork and beans specifically. 374,169; Jan. 2; Serial No. 421,673; published Oct. 24, 1939. Class 46.

Scott-Burr Stores Corporation, Chicago, Ill. Gloves, hosiery, shirts, etc. 374,137; Jan. 2; Serial No. 420,691; published Oct. 17, 1939. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Oil heating burners. 374,099; Jan. 2; Serial No. 415,148; published Oct. 24, 1939. Class 34.
Sears, Roebuck and Co., Chicago, Ill. Women's shoes. 374,156; Jan. 2; Serial No. 421,265; published Oct. 24, 1939. Class 39.
Selby Shoe Co., The, Portsmouth, Ohio. Shoes. 374,220; Jan. 2; Serial No. 422,674; published Oct. 24, 1939. Class 39.
Shaler Company, The, Waupun, Wis. Tire tube vulcanizing equipment. 374,282; Jan. 2; Serial No. 423,716; published Oct. 24, 1939. Class 35.
Shawnee Pottery Co., Zanesville, Ohio. Pottery table and kitchen ware. 374,008; Jan. 2; Serial No. 411,910; published July 25, 1939. Class 30.
Shifrin, Adolph, Brooklyn, N. Y. Salves and ointments. 131,369; renewed May 11, 1940.
Shulder and Schloss, Inc., Chicago, Ill. Women's coats. 374,189; Jan. 2; Serial No. 422,227; published Oct. 3, 1939. Class 39.
Shulton, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 374,076; Jan. 2; Serial No. 408,171; published Sept. 26, 1939. Class 6.
Shulton, Inc., New York, N. Y., and Hoboken, N. J. Astringents, astringent cerates, bleach creams, etc. 374,168; Jan. 2; Serial No. 421,621; published Oct. 3, 1939. Class 6.
Smally Products, Inc., Canton, Ohio. Reflectors. 374,322; Jan. 2.
Smith, G. Edwin, Shoe Company, The, Columbus, Ohio. Women's shoes. 374,194; Jan. 2; Serial No. 422,260; published Oct. 10, 1939. Class 39.
Snap-on Tools Corporation, Kenosha, Wis. Hand wrenches and tools. 374,286; Jan. 2. Class 23.
Socony-Vacuum Oil Company. (See Vacuum Oil Company, assignor.)
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls. 374,235; Jan. 2; Serial No. 422,869; published Oct. 24, 1939. Class 22.
Spiral Wind Fish Reel Company, Inc. (See Maynes, Hayla F., assignor.)
Standard Chemical Works, assignor to Allegheny Chemical Corporation, Reading, Pa. Combined insecticide and fungicide. 131,627; renewed May 18, 1940.
Star Expansion Bolt Company, New York, N. Y. Toggle bolts. 374,260; Jan. 2; Serial No. 423,181; published Oct. 24, 1939. Class 13.
Stauffer, Mabel E., Belding, Mich. Decorated pillow tops. 374,108; Jan. 2; Serial No. 416,925; published Oct. 17, 1939. Class 40.
Steam-Electric Corporation, St. Louis, Mo. Electric steaming irons. 374,170; Jan. 2; Serial No. 421,676; published Oct. 24, 1939. Class 21.
Stephens, Truman E., doing business as Trulyn Shippers, Edinburg, Tex. Fresh vegetables and fruits. 374,142; Jan. 2; Serial No. 420,784; published Oct. 24, 1939. Class 46.
Sterling Inc., New York, N. Y. Beds, dressers, chests, etc. 374,123; Jan. 2; Serial No. 419,166; published Oct. 17, 1939. Class 32.
Sunnyvale Packing Co. (See Schuckl & Co., Inc.)
Swartchild & Company, Chicago, Ill. Fabric watch straps. 374,314; Jan. 2. Class 40.
Sweet Adeline Foods, Incorporated, Louisville, Ky. Pickles, peanut butter, sweet pickle relish, etc. 374,139; Jan. 2; Serial No. 420,730; published Oct. 24, 1939. Class 46.
Talge, Foster L., doing business as Rival Manufacturing Company, Kansas City, Mo. Base metal frying pans, teaketties, sauce pans, etc. 374,071; Jan. 2; Serial No. 401,625; published Oct. 24, 1939. Class 13.
34 West 34th Street Corporation, New York, N. Y. Shoes. 374,179; Jan. 2; Serial No. 421,953; published Oct. 10, 1939. Class 39.
Thomas & Betts Co., The, Elizabeth, N. J. Electrical conduit fittings, solderless wire connectors and similar wiring appliances. 374,195; Jan. 2; Serial No. 422,265; published Oct. 24, 1939. Class 21.
Tiedemann & McMorran, San Francisco, Calif. Canned fruits, vegetables, salmon, etc. 374,221; Jan. 2; Serial No. 422,682; published Oct. 17, 1939. Class 46.
Titmus Optical Company, Petersburg, Va. Lenses. 374,098; Jan. 2; Serial No. 414,928; published Oct. 24, 1939. Class 26.
Tow Pilot Company, The, Caro, Mich. Tow bars. 374,181; Jan. 2; Serial No. 422,079; published Oct. 24, 1939. Class 23.
Treinis Brothers, Inc., Brooklyn, N. Y. Bags. 374,287; Jan. 2. Class 2.
Trulyn Shippers. (See Stephens, Truman E.)
Twin Spout Pottery Co., Inc., The, New York, N. Y. Tea pots. 374,199; Jan. 2; Serial No. 422,303; published Oct. 24, 1939. Class 30.
Ungerer & Company, Inc., New York, N. Y. Resins and volatile oils for imparting scent to toilet preparations. 131,646; renewed May 18, 1940.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. 374,075; Jan. 2; Serial No. 407,337; published Oct. 17, 1939. Class 2.
Union Bag & Paper Corporation, Jersey City, N. J., and New York, to Union Bag & Paper Corporation, New York, N. Y. Wrapping-papers. 131,647; renewed May 18, 1940.
Union Supply & Paper Co., Wilkes-Barre, Pa. Toilet paper, paper towels, facial tissues, etc. 374,182; Jan. 2; Serial No. 422,080; published Oct. 24, 1939. Class 37.
United Buyers Corporation, also doing business as Foodcraft Products, Chicago, Ill. Waxed paper, and paper towels, napkins, and table cloths. 374,171; Jan. 2; Serial No. 421,678; published Oct. 24, 1939. Class 37.
United Cigar-Whelan Stores Corporation, New York, N. Y. Paper towels. 374,118; Jan. 2; Serial No. 418,463; published July 25, 1939. Class 37.
United Drug Company, assignor to United Drug Company, Boston, Mass. Candy. 130,956; renewed May 4, 1940.
United States News Publishing Corporation, Washington, D. C. Publication. 374,301; Jan. 2. Class 38.
Universal Game Company, Houston, Tex. Game board. 374,239; Jan. 2; Serial No. 422,919; published Oct. 24, 1939. Class 22.
Vacuum Oil Company, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils, greases, and waxes of all kinds and similar products. 131,862–3; renewed May 25, 1940.
Vacuum Oil Company, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils, greases, and waxes of all kinds and similar products. 131,865–7; renewed May 25, 1940.
Velveray Corporation of America, New York, N. Y. Textile piece goods. 374,216; Jan. 2; Serial No. 422,643; published Oct. 24, 1939. Class 42.
Venesta Limited, London, England. Metallic foils. 374,161; Jan. 2; Serial No. 421,329; published Oct. 24, 1939. Class 14.
Villiers Engineering Company, Limited, The, Wolverhampton, England. Internal combustion engines. 374,309; Jan. 2. Class 23.
Visible Index Corp., New York, N. Y. Visible indexing cards. 374,111; Jan. 2; Serial No. 417,191; published Aug. 1, 1939. Class 37.
Vivian Manufacturing Company. (See Barber, L. B.)
Vogue Knitting Company, Womelsdorf, Pa. Children's knit underwear. 374,325; Jan. 2. Class 39.
Volk, Philip H., to P. H. Volk & Co., Inc., Baltimore, Md., successor. Footwear. 131,872; renewed May 25, 1940.
Ware and White Inc., Atlanta, Ga. Prophylactic rubber articles. 374,266; Jan. 2; Serial No. 423,389; published Oct. 24, 1939. Class 44.
Warner Lenz Company, The, Chicago, Ill., now, by change of name to Warner-Patterson Company. Glasses for headlights. 130,246; renewed Apr. 13, 1940.
Weber and Heilbroner, Inc., New York, N. Y. Suits, slacks, underwear, etc. 374,185; Jan. 2; Serial No. 422,109; published Oct. 17, 1939. Class 39.
Weissman, Fred P., Inc. New York, N. Y. Misses' and juniors' coats. 374,097; Jan. 2; Serial No. 414,479; published Oct. 3, 1939. Class 39.
Whitney Bros. Inc., Boston, Mass. Building paper. 374,333; Jan. 2. Class 12.
Whitney Sporting Goods Co., Denver, Colo. Fishing flies. 374,280; Jan. 2; Serial No. 423,689; published Oct. 24, 1939. Class 22.
Wilkerson Shoe Company, St. Louis, Mo. Women's shoes. 374,222; Jan. 2; Serial No. 422,723; published Oct. 10, 1939. Class 39.
Williams Sealing Corporation, Decatur, Ill. Metallic closures for containers. 374,100; Jan. 2; Serial No. 415,465; published Oct. 24, 1939. Class 50.
Wilson-Jones Company, Chicago, Ill. Visible indexing cards. 374,226; Jan. 2; Serial No. 422,762; published Oct. 17, 1939. Class 37.
Woolner, Henry S., Los Angeles, to Henry S. Woolner, Long Beach, Calif. Hair-tonic. 129,568; renewed Feb. 24, 1940.
Wurgaft, Robert B., doing business as California Citrus Food Products, Fullerton, Calif. Citrus fruit juices. 374,289; Jan. 2. Class 46.
Zaninovich, Marko, doing business as M. Zaninovich, Delano, Calif. Fresh grapes. 374,236; Jan. 2; Serial No. 422,879; published Oct. 24, 1939. Class 46.

LIST OF REGISTRANTS OF LABELS

Amko Company, Philadelphia, Pa. Making Life Like Funny-Folks. For Complete Kits in Miniature for Making Lifelike Funny-Folks. 54,095; Jan. 2.
Barca, Felix, doing business as Valley Brook Farm, New York, N. Y. Valley Brook Farm Eggs. For Eggs. 54,096; Jan. 2.
Bayview Citrus Association, doing business as Bay View Citrus Assn., Los Fresnos, Tex. Resaca. For Fresh Citrus Fruits. 54,097; Jan. 2.
California Fruit Growers Exchange, Los Angeles, Calif. Oil of Lemon. For Oil of Lemon. 54,098; Jan. 2.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Police—Postman—Fireman Super Service Shoe. For Shoes. 54,099; Jan. 2.
Clayton, A. C., Printing Company, St. Louis, Mo. Fine Footwear. For Footwear. 54,100–1; Jan. 2.
Di Marco, Romualdo E., New York, N. Y. "Aguila D'Oro". For Coffee. 54,102; Jan. 2.
Dryburgh, Walter S., Wauwatosa, Wis. Tutch-Upp Brand Greaseless Furniture Polish. For Furniture Polish. 54,103; Jan. 2.
Ecnal Laboratories. (See Lance, Richard O.)
Golden West Milling Co. (See Wikstrand, V. E.)
Hart Drug Corporation, Miami, Fla. Iso-Efomist. For Isotonic Ephedrine Solution. 54,104–5; Jan. 2.
Hart Drug Corporation, Miami, Fla. Livural. For Unguentum. 54,106–7; Jan. 2.
Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Casein Interior-Paste Flat Paint. For a Casein Interior Paste Flat Paint. 54,108; Jan. 2.
Hazard Lead Works, Inc., The, Brooklyn, N. Y. Haz-A-Wear Trim Colors. For a Durable Trim Paint. 54,109; Jan. 2.
Hazard Lead Works. Inc., The, Brooklyn, N. Y. Nofade Brown. For a Brown Paint. 54,110; Jan. 2.
Kokay Manufacturing Co. Inc., North Hollywood, Calif. The Kokay Cooker. For Egg Cookers. 54,111; Jan. 2.
Kokay Mfg. Co. Inc., North Hollywood, Calif. Kokay Cooker. For Egg Cookers. 54,112; Jan. 2.
Lance, Richard O., doing business as Ecnal Laboratories, Tarzana, Calif. Pyo-Rex. For Treatments for Pyorryea or Vincent's Angina. 54,113; Jan. 2.
Malt Corporation of America, Buchanan, Mich. Malted Pancake Flour. For Malted Pancake Flour. 54,114; Jan. 2.
Malt Corporation of America, Buchanan, Mich. Malted Buckwheat Pancake Flour. For Malted Buckwheat Pancake Flour. 54,115; Jan. 2.
Manhattan Laboratories, New York, N. Y. Athlete's Salve. For a Salve for Athlete's Foot. 54,116; Jan. 2.
Megs Macaroni Co. (See Wolfe, Clarence W.)
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Lemon Fragrance Lotion. For a Lemon Lotion for the Face, Hands, Arms and Neck. 54,117; Jan. 2.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Bore Oil. For Bore Oil for Wood-Wind Instruments. 54,118; Jan. 2.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Key Oil. For Key Oil with Applicator for Saxophones, Flutes, Clarinets, Picolos, Bassoons, Oboes, English Horns, and All Keyed Instruments. 54,119; Jan. 2.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Valve Oil. For Valve Oil with Applicator for Trumpets. 54,120; Jan. 2.
Schneider, Anna E. E., Baltimore, Md. Eugenia's Whole Wheat Bread. For Whole Wheat Bread.—54,121; Jan. 2.
Valley Brook Farm. (See Barca, Felix.)
Valmor Products Company. (See Neumann, Morton G.)
Waxide Paper Company, Kansas City, Mo. Delicious Raisin Bread. For Raisin Bread. 54,122; Jan. 2.
Waxide Paper Company, Kansas City, Mo. Jumbo Bread. For Bread. 54,123; Jan. 2.
Waxide Paper Company, Kansas City, Mo. Nickel Loaf. For Bread. 54,124; Jan. 2.
Wikstrand, V. E., doing business as Golden West Milling Co., Longmont, Colo. Hikes. For Wheat Cereal Products. 54,125; Jan. 2.
Wolfe, Clarence W., doing business as Megs Macaroni Co., Harrisburg, Pa. Cavaliere Brand Macaroni Products. For Macaroni Products. 54,126; Jan. 2.

LIST OF REGISTRANTS OF PRINTS

Blodgett, C. M., Metal Novelties, New York, N. Y. Blodgett Brownstones. For Framed Advertising Art Thermometers. 17,781; Jan. 2.
Borden Co., The, New York, N. Y. Spicy, Old-Time Mince Pie! For Mince Meat. 17,782; Jan. 2.
Downs Carpet Co., Inc., Philadelphia, Pa. Leaf Design. For Carpeting. 17,783; Jan. 2.
Downs Carpet Co., Inc., Philadelphia, Pa. Bird of Paradise Design. For Carpeting. 17,784; Jan. 2.
Downs Carpet Co., Inc., Philadelphia, Pa. Palmetto Design. For Carpeting. 17,785; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. ". . . And every Coffee Bean is Carefully Inspected". For Coffee. 17,786; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. ". . . And Green Coffee is Dried slowly in The Sun". For Coffee. 17,787; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. "I never knew Coffee is Picked by Hand". For Coffee. 17,788; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. "I never Realized how Important the Coffee-Tester is". For Coffee. 17,789; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. "I never Realized the Importance of Washing Green Coffee". For Coffee. 17,790; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. ". . . Isn't it Wonderful how They Control the Grind of Coffee". For Coffee. 17,791; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. "No Wonder the Coffee is Fresh *Whenever* You Buy it". For Coffee. 17,792; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. "They Take a Sample From *Every* Single Bag". For Coffee. 17,793; Jan. 2.
Hills Bros. Coffee, Inc., San Francisco, Calif. "Wasn't that Can-Testing Machine Amazing". For Coffee. 17,794; Jan. 2.
Selmer, H. & A., Inc., Elkhart, Ind. Selmer Magnitone Ligature. For Ligatures for Clarinets and Saxophones. 17,795; Jan. 2.
Silverice, Inc., New York, N. Y. Silverice Chills without Diluting. For Metal and Glass Balls containing Distilled Water which, when Frozen, are used for Chilling and Decorative Purposes for Beverages, Butter, Celery, Fruits, Olives, Salads and Certain Types of Desserts. 17,796; Jan. 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fibers of wool, cotton, silk, etc. Comptoir des Textiles Artificiels. 374,094; Jan. 2; Serial No. 413,819; published Oct. 24, 1939.
Leather, Horse. Chicago Tanning Company. 130,672; renewed May 4, 1940.
Seeds, Alfalfa. Volney R. Hansen and K. B. Ivey. 374,263; Jan. 2; Serial No. 423,264; published Oct. 24, 1939.
Skins, Finished. Allied Kid Company. 374,205; Jan. 2; Serial No. 422,458; published Oct. 24, 1939.
Soybean flour for making adhesives, plastics, etc. Glidden Company. 374,069; Jan. 2; Serial No. 399,657; published Feb. 14, 1939.

CLASSES 1 AND 39

Leather, and leather worked up into footwear, Uncut. Pfister & Vogel Leather Company. 17,681; re-renewed Mar. 18, 1940.

CLASS 2

Bags. Treinis Brothers, Inc. 374,287; Jan. 2.
Bags, crushed ice bags, pails, and baskets, Delivery. L. B. Barber. 374,165; Jan. 2; Serial No. 421,471; published Oct. 17, 1939.
Bags, Paper. Union Bag & Paper Corporation. 374,075; Jan. 2; Serial No. 407,337; published Oct. 17, 1939.
Cabinets, Storage. G. J. Richardson. 374,122; Jan. 2; Serial No. 419,094; published Oct. 10, 1939.
Compacts and boxes, Empty. Henriette, Incorporated. 374,134; Jan. 2; 420,226; published Oct. 24, 1939.
Container for liquids, Dispensing. J. L. Abramson. 374,180; Jan. 2; Serial No. 421,956; published Oct. 24, 1939.
Containers, and parts thereof. Colt's Patent Fire Arms Manufacturing Company. 374,120; Jan. 2; Serial No. 418,675; published Oct. 17, 1939.
Tubes, Collapsible. Aktiebolaget Svenska Kapsylfabriken. 374,114; Jan. 2; Serial No. 418,128; published Oct. 10, 1939.

CLASS 3

Cases and wallets, Key. Feinberg-Henry Mfg. Co. 374,244–5; Jan. 2; Serial Nos. 422,992–3; published Oct. 24, 1939.
Purses, Coin. Amity Leather Products Co. 374,277; Jan. 2; Serial No. 423,620; published Oct. 24, 1939.
Valises, suitcases, brief cases, etc. Gimbel Brothers, Inc. 374,177; Jan 2; Serial No. 421,934; published Oct. 10, 1939.

CLASS 4

Cleaning compound, Dry. Miller Chemical Co. 129,797; renewed Mar. 9, 1940.
Cleaning preparations. C. D. Berman. 374,090; Jan. 2; Serial No. 412,283; published Oct. 24, 1939.
Cleanser. Diversey Corporation. 374,310; Jan. 2.
Polish, Metal. Nu-Met Chemical Corporation. 374,096; Jan. 2; Serial No. 414,464; published Sept. 12, 1939.
Polishing cloths, Chemically treated. Cadie Chemical Products Inc. 374,132; Jan. 2; Serial No. 420,090; published Oct. 24, 1939.
Soap powder. A. F. Decker. 374,174; Jan. 2; Serial No. 421,800; published Oct. 24, 1939.

CLASS 6

Astringents, astringent cerates, bleach creams, etc. Shulton, Inc. 374,076; Jan. 2; Serial No. 408,171; published Sept. 26, 1939.
Astringents, astringent cerates, bleach creams, etc. Shulton, Inc. 374,168; Jan. 2; Serial No. 421,621; published Oct. 3, 1939.
Cream, Dental. Colgate-Palmolive-Peet Company. 374,172; Jan. 2; Serial No. 421,726; published Oct. 10, 1939.
Hair-tonic. H. S. Woolner. 129,568; renewed Feb. 24, 1940.
Insecticide and fungicide, Combined. Standard Chemical Works. 131,627; renewed May 18, 1940.
Liniment. F. Ad. Richter & Co. of New York. 131,593–4; renewed May 18, 1940.
Medicinal preparations and products. Dr. J. H. McLean Medicine Co. 128,775; renewed Jan. 13, 1940.
Medicinal preparation. Dr. J. H. McLean Medicine Co. 128,776; renewed Jan. 13, 1940.
Resins and volatile oils for imparting scent to toilet preparations. Ungerer & Company. 131,646; renewed May 18, 1940.
Salves and ointments. A. Shifrin. 131,369; renewed May 11, 1940.

CLASS 7

Ropes and twines, Fiber. Hooven & Allison Company. 130,754; renewed May 4, 1940.

CLASS 8

Pipes. Kenilworth Pipe Company. 374,247; Jan. 2; Serial No. 422,997; published Oct. 24, 1939.
Pouches, Tobacco. Amity Leather Products Co. 374,162; Jan. 2; Serial No. 421,412; published Oct. 24, 1939.

CLASS 9

Matches. Empire State Pickling Company. 374,262; Jan. 2; Serial No. 423,210; published Oct. 24; 1939.

CLASS 10

Fertilizers. Central Chemical Corporation of Maryland. 374,186; Jan. 2; Serial No. 422,124; published Oct. 10, 1939.
Fertilizers. Cooperative G. L. F. Soil Building Service, Inc. 374,207; Jan. 2; Serial No. 422,464; published Oct. 17, 1939.
Plant food. Hy-Trous Co. 374,252; Jan. 2; Serial No. 423,099; published Oct. 24, 1939.

CLASS 11

Ink, Writing. H. Julius. 129,760; renewed Mar. 9, 1940.

CLASS 12

Board and blocks and the like, Surface coated fiber composition. Insulite Company. 374,307; Jan. 2.
Board and blocks, and the like, Surface coated fiber composition. Insulite Company. 374,312; Jan. 2.
Building paper. Whitney Bros. Inc. 374,333; Jan. 2.

CLASS 13

Bathtub and lavatory water supply and waste fittings. Crane Co. 374,242; Jan. 2; Serial No. 422,987; published Oct. 24, 1939.
Bolts, Toggle. Star Expansion Bolt Company. 374,260; Jan. 2; Serial No. 423,181; published Oct. 24, 1939.
Bowls and urinals, Closet. Crane Co. 374,241; Jan. 2; Serial No. 422,986; published Oct. 24, 1939.
Fasteners, Slide. Conmar Products Corporation. 374,106; Jan. 2; Serial No. 416,682; published Oct. 24, 1939.
Pans, teakettles, sauce pans, etc., Base metal. F. L. Talge. 374,071; Jan. 2; Serial No. 401,625; published Oct. 24, 1939.
Valves and parts thereof and accessories therefor, Pivoted disc. Chapman Valve Mfg. Co. 374,332; Jan. 2.

CLASS 14

Drop-forged parts. Duff Manufacturing Company. 131,302; renewed May 11, 1940.
Foils, Metallic. Venesta Limited. 374,161; Jan. 2; Serial No. 421,329; published Oct. 24, 1939.
Leads, slugs, and rules cast in type metal. American Type Founders, Inc. 374,254; Jan. 2; Serial No. 423,121; published Oct. 24, 1939.
Metals, metal castings and forgings. Bohn Aluminum & Brass Corporation. 374,084; Jan. 2; Serial No. 411,208; published Oct. 24, 1939.
Steel bars, rods, billets, etc. Crucible Steel Company of America. 129,142; renewed Jan. 27, 1940.
Zinc, gold hydrate, indium, etc., Battery. E. I. du Pont de Nemours and Company. 374,154; Jan. 2; Serial No. 421,226; published Oct. 24, 1939.

CLASS 15

Oils, greases, and waxes. Vacuum Oil Company. 131,862–3; renewed May 25, 1940.
Oils, greases, and waxes of all kinds and similar products. Vacuum Oil Company. 131,865–7; renewed May 25, 1940.

CLASS 16

Paint preservative. American Abrasive Metals Company. 374,183; Jan. 2; Serial No. 422,086; published Oct. 24, 1939.
Varnish type finish, Protective. Fuller Finish Company. 374,192; Jan. 2; Serial No. 422,243; published Oct. 24, 1939.

CLASS 17

Cigars. B. Falstenhamer. 374,243; Jan. 2; Serial No. 422,991; published Oct. 24, 1939.
Cigars. J. E. Rauh. 375,258; Jan. 2; Serial No. 423,174; published Oct. 24, 1939.

CLASS 19

Bicycles. Colson Corporation. 374,315; Jan. 2.
Pushcarts and bicycle propelled carts, Delivery or peddling. Joe Lowe Corporation. 374,210; Jan. 2; Serial No. 422,479; published Oct. 24, 1939.
Trucks, Industrial motor driven. Clark Equipment Company. 374,218; Jan. 2; Serial No. 422,655; published Oct. 24, 1939.

CLASS 21

Conduit fittings, solderless wire connectors and similar wiring appliances, Electrical. Thomas & Betts Co. 374,195; Jan. 2; Serial No. 422,265; published Oct. 24, 1939.
Cooking appliances, food warmers, casseroles, and the like, Electric. Naxon Utilities Corp. 374,115; Jan. 2; Serial No. 418,206; published Oct. 24, 1939.
Lamps and carbons, Arc. National Carbon Company. 374,067; Jan. 2; Serial No. 398,323; published Oct. 24, 1939.
Lighting fixtures, Unitary electric. Goodrich Electric Company. 374,140; Jan. 2; Serial No. 420,761; published Oct. 24, 1939.
Irons, Electric steaming. Steam-Electric Corporation. 374,170; Jan. 2; Serial No. 421,676; published Oct. 24, 1939.
Phonograph and radio, Combination. Marconi Bros. Inc. 374,062; Jan. 2; Serial No. 368,109; published Aug. 10, 1937.
Ranges, Electric cooking. G. W. Garman. 374,080; Jan. 2; Serial No. 408,839; published Oct. 24, 1939.
Spark plugs. Motor Master Products Corporation. 374,077; Jan. 2; Serial No. 408,196; published Nov. 1, 1938.
Spark plugs. Motor Master Products Corporation. 374,078; Jan. 2; Serial No. 408,199; published Nov. 1, 1939.
Wires and cables, Insulated electric. Rockbestos Products Corporation. 374,248; Jan. 2; Serial No. 423,006; published Oct. 24, 1939.

CLASS 22

Baits, Fish. Millsite Steel & Wire Works, Inc. 374,279; Jan. 2; Serial No. 423,633; published Oct. 24, 1939.
Dolls. May Department Stores Company. 374,253; Jan. 2; Serial No. 423,108; published Oct. 24, 1939.
Fishing files. Whitney Sporting Goods Co. 374,280; Jan. 2; Serial No. 423,689; published Oct. 24, 1939.
Fishing reels. H. F. Maynes. 374,063; Jan. 2; Serial No. 380,215; published Oct. 17, 1939.
Fishing reels, rods, lines, etc. Marshall-Wells Company. 374,300; Jan. 2.
Fishing tackle. Newark Sinker Company. 374,238; Jan. 2; Serial No. 422,906; published Oct. 17, 1939.
Game board. Universal Game Company. 374,239; Jan. 2; Serial No. 422,919; published Oct. 24, 1939.
Game, Target. Parker Brothers, Inc. 374,265; Jan. 2; Serial No. 423,278; published Oct. 24, 1939.
Games. Javoop Company. 374,271; Jan. 2; Serial No. 423,466; published Oct. 24, 1939.
Golf balls. Boulevard Sport Shop, Inc. 374,270; Jan. 2; Serial No. 423,456; published Oct. 24, 1939.
Golf balls. A. G. Spalding & Bros. Inc. 374,235; Jan. 2; Serial No. 422,869; published Oct. 24, 1939.
Prize machine, Manually operated. Coronet Merchandising Company. 374,283; Jan. 2; Serial No. 423,798; published Oct. 24, 1939.
Puzzles and puzzle games. M. Grumette. 374,233; Jan. 2; Serial No. 422,854; published Oct. 24, 1939.
Toy. D. F. Duncan. 374,228; Jan. 2; Serial No. 422,811; published Oct. 17, 1939.

CLASS 23

Axes. American Fork & Hoe Company. 374,079; Jan. 2; Serial No. 408,490; published Oct. 18, 1938.
Bars, Tow. Tow Pilot Company. 374,181; Jan. 2; Serial No. 422,079; published Oct. 24, 1939.
Blades, Razor. Gotham Sales Company Inc. 374,085; Jan. 2; Serial No. 411,452; published Oct. 24, 1939.
Brushes, Machine operated. L. E. Mack. 374,064; Jan. 2; Serial No. 389,363; published Oct. 24, 1939.
Carburetors and carburetion systems. C. M. Page. 374,093; Jan. 2; Serial No. 413,026; published Oct. 24, 1939.
Engines, Internal-combustion. Fairbanks, Morse & Co. 131,456; renewed May 18, 1940.
Engines, Internal combustion. Villiers Engineering Company Limited. 374,309; Jan. 2.

Grinding machines and parts thereof, Profile. Ernst Krause & Co. Aktiengesellschaft. 374,082; Jan. 2; Serial No. 409,226; published Oct. 24, 1939.
Mowers, corn shellers and attachments, cider mills, etc., Lawn. Red Cross Manufacturing Company. 374,259; Jan. 2; Serial No. 423,175; published Oct. 24, 1939.
Pumps and compressors and parts therefor, Fluid. May Oil Burner Corporation. 374,257; Jan. 2; Serial No. 423,172; published Oct. 24, 1939.
Rollers. Ideal Roller Company. 130,760; renewed May 4, 1940.
Spindles and parts thereof, Textile. Marquette Metal Products Company. 374,110; Jan. 2; Serial No. 417,178; published Oct. 24, 1939.
Sprayers, insecticide sprayers, hatchets, etc., Bottle. S. H. Kress and Company. 374,089; Jan. 2; Serial No. 412,105; published Oct. 24, 1939.
Tools, Machine. Rockford Machine Tool Co. 374,298; Jan. 2.
Tools, Pneumatic. Aro Equipment Corporation. 374,249; Jan. 2; Serial No. 423,051; published Oct. 24, 1939.
Wrenches and tools, Hand. Snap-on Tools Corporation. 374,286; Jan. 2.

CLASS 24

Laundry washing machines. Barton Corporation. 374,109; Jan. 2; Serial No. 416,991; published Oct. 17, 1939.
Washing machines and ironing machines, Laundry. Horton Manufacturing Company. 374,316; Jan. 2.

CLASS 26

Cameras, Photographic lenses, and sensitized photographic films. Match King, Inc. 374,127; Jan. 2; Serial No. 419,622; published Oct. 24, 1939.
Headlight testers. Kent-Moore Organizations Inc. 374,135; Jan. 2; Serial No. 420,229; published Oct. 24, 1939.
Indicators, Direction and/or rate of liquid flow. S. F. Bowser & Company. 374,092; Jan. 2; Serial No. 412,584; published Oct. 24, 1939.
Lenses. Titmus Optical Company. 374,098; Jan. 2; Serial No. 414,928; published Oct. 24, 1939.
Measuring and dispensing apparatus equipped with hose storage device, Liquid. S. F. Bowser & Company. 374,107; Jan. 2; Serial No. 416,761; published Oct. 24, 1939.
Measuring instruments and testing instruments, Electrical. Automatic Coil Winder and Electrical Equipment Company Limited. 374,073; Jan. 2; Serial No. 406,436; published Oct. 24, 1939.
Ohmmeters, photographic electric squibs, photographic film, etc. E. I. du Pont de Nemours and Company. 374,153; Jan. 2; Serial No. 421,225; published Oct. 24, 1939.
Photographic apparatus. International Industries, Inc. 374,175; Jan. 2; Serial No. 421,805; published Oct. 24, 1939.
T-squares, squares, and levels. Gamble Stores Incorporated. 374,198; Jan. 2; Serial No. 422,280; published Oct. 24, 1939.

CLASS 30

Pottery. May Department Stores Company. 374,105; Jan. 2; Serial No. 416,572; published June 6, 1939.
Pottery table and kitchen ware. Shawnee Pottery Co. 374,088; Jan. 2; Serial No. 411,910; published July 25, 1939.
Tea pots. Twin Spout Pottery Co. 374,199; Jan. 2; Serial No. 422,303; published Oct. 24, 1939.

CLASS 31

Filters and refrigerator units. Broquinda, Inc. 374,138; Jan. 2; Serial No. 420,712; published Oct. 17, 1939.
Refrigerators and parts thereof. Borg-Warner Corporation. 374,113; Jan. 2; Serial No. 417,997; published Oct. 24, 1939.
Freezers. Ice cream. Chicago Mail Order Company. 374,237; Jan. 2; Serial No. 422,892; published Oct. 24, 1939.
Locker units, Refrigerated. W. M. Baird. 374,272; Jan. 2; Serial No. 423,487; published Oct. 24, 1939.
Pads constructed with a casing, Heat insulating. C. E. Hadsell. 374,065; Jan. 2; Serial No. 392,359; published Oct. 24, 1939.
Refrigerators. Jordan Marsh Company. 374,141; Jan. 2; Serial No. 420,767; published Aug. 1, 1939.

CLASS 32

Beds, dressers, chests, etc. Sterling, Inc. 374,128; Jan. 2; Serial No. 419,166; published Oct. 17, 1939.
Gliders. B. (Pat) Johnson. 374,275; Jan. 2; Serial No. 423,530; published Oct. 24, 1939.
Mattresses. Li-On Bedding Company. 374,281; Jan. 2; Serial No. 423,703; published Oct. 24, 1939.
Table, counter, bar and desk tops, and shelving. A. W. Lammers Company. 374,164; Jan. 2; Serial No. 421,461; published Oct. 24, 1939.

CLASS 34

Burners, Oil heating. Sears, Roebuck and Co. 374,099; Jan. 2; Serial No. 415,148; published Oct. 24, 1939.
Glasses for headlights. Warner Lenz Company, The. 130,246; renewed Apr. 13, 1940.
Lighting-fixtures, Glass. Phoenix Glass Company. 130,222; renewed Apr. 13, 1940.
Louvers, Ventilating. Adjustable Louver Corporation. 374,083; Jan. 2; Serial No. 409,859; published Oct. 24, 1939.
Reflectors. Smally Products, Inc. 374,322; Jan. 2.
Ventilators, air diffusers, and air aspirators, Fan-driven. Anemostat Corporation of America. 374,290; Jan. 2.
Ventilators, Louvre. Ellison Louvre Company. 374,303; Jan. 2.

CLASS 35

Tire tube vulcanizing equipment. Shaler Company. 374,282; Jan. 2; Serial No. 423,716; published Oct. 24, 1939.
Tires and tubes. Mansfield Tire and Rubber Company. 374,267; Jan. 2; Serial No. 423,427; published Oct. 24, 1939.
Tires and tubes. Mansfield Tire and Rubber Company. 374,268–9; Jan. 2; Serial Nos. 423,430–1; published Oct. 24, 1939.
Tires and tubes, Resilient vehicle. Firestone Tire & Rubber Company. 374,278; Jan. 2; Serial No. 423,627; published Oct. 24, 1939.

CLASS 36

Phonographs and talking machines, tone record holders, gramophone records, etc. Deutsche Grammophon Gesellschaft mit beschränkter Haftung. 374,086–7; Jan. 2; Serial Nos. 411,523–4; published Oct. 24, 1939.
Pianos. F. Kops. 374,095; Jan. 2; Serial No. 413,950; published Oct. 24, 1939.

CLASS 37

Cards, Visible indexing. Visible Index Corp. 374,111; Jan. 2; Serial No. 417,191; published Aug. 1, 1939.
Cards, Visible indexing. Wilson-Jones Company. 374,226; Jan. 2; Serial No. 422,762; published Oct. 17, 1939.
Crayons, wood encased lead pencils, slates, and school tablets. Elder Manufacturing Company. 374,147; Jan. 2; Serial No. 420,945; published Oct. 24, 1939.
Forms, Spot carbonized. Master-Craft Corporation. 374,291; Jan. 2.
Paper, and paper towels, napkins, and table cloths, Waxed. United Buyers Corporation. 374,171; Jan. 2; Serial No. 421,678; published Oct. 24, 1939.
Paper, books and cards of wall paper patterns, Wall. Norddeutsche Tapetenfabrik Hölscher & Breimer. 374,119; Jan. 2; Serial No. 418,505; published Oct. 24, 1939.
Paper, paper towels, facial tissues, etc., Toilet. Union Supply & Paper Co. 374,182; Jan. 2; Serial No. 422,080; published Oct. 24, 1939.
Paper ruled in columns, Record. Goldsmith Bros. 374,246; Jan. 2; Serial No. 422,996; published Oct. 24, 1939.
Paper towels. United Cigar-Whelan Stores Corporation. 374,118; Jan. 2; Serial No. 418,463; published July 25, 1939.
Paper, Wrapping. Riegel Paper Corporation. 374,250; Jan. 2; Serial No. 423,070; published Oct. 24, 1939.
Papers and envelopes. R. P. Andrews Paper Company. 374,261; Jan. 2; Serial No. 423,198; published Oct. 24, 1939.
Papers, Wrapping. Union Bag & Paper Corporation. 131,647; renewed May 18, 1940.
Pens, Fountain. L. Morrison. 374,136; Jan. 2; Serial No. 420,494; published Oct. 24, 1939.
Tissue, Toilet. A. P. W. Paper Company. 374,143; Jan. 2; Serial No. 420,796; published Aug. 15, 1939.

CLASS 38

Periodical. Institute of Visual Guidance. 374,074; Jan. 2; Serial No. 406,683; published Oct. 10, 1939.
Publication. United States News Publishing Corporation. 374,301; Jan. 2.

CLASS 39

Apparel, Children's. Fashion Frocks, Inc. 374,327; Jan. 2.
Bibs, Paper. Mitchell Publishing Company. 374,128; Jan. 2; Serial No. 419,680; published Oct. 24, 1939.
Boots and shoes. Freeman Shoe Corporation. 374,197; Jan. 2; Serial No. 422,279; published Oct. 17, 1939.
Boots and shoes. International Shoe Co. 374,256; Jan. 2; Serial No. 423,170; published Oct. 24, 1939.
Boots and shoes. Schneier, Adelson & Adelson. 374,157–8; Jan. 2; Serial Nos. 421,278–9; published Oct. 17, 1939.
Boots, shoes, and slippers. W. L. Douglas Shoe Co. 374,144; Jan. 2; Serial No. 420,808; published Oct. 17, 1939.
Boots, shoes and slippers. W. L. Douglas Shoe Co. 374,208; Jan. 2; Serial No. 422,467; published Oct. 10, 1939.
Braces. Hickok Manufacturing Company. 374,326; Jan. 2.
Brassières, corsets, slips, etc. Edith Lances Brassieres. 374,167; Jan. 2; Serial No. 421,573; published Oct. 17, 1939.
Chemises, princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 374,308; Jan. 2.
Clothing. Crown Overall Manufacturing Company. 374,304; Jan. 2.

Clothing, Men's. Finsterwald Clothing Company. 374,184; Jan. 2; Serial No. 422,092; published Oct. 3, 1939.
Coats, Misses' and juniors'. Fred P. Weissman, Inc. 374,097; Jan. 2; Serial No. 414,479; published Oct. 3, 1939.
Coats, Women's. Shulder and Schloss, Inc. 374,189; Jan. 2; Serial No. 422,227; published Oct. 3, 1939.
Corsets. Milady Brassiere and Corset Co. 374,240; Jan. 2; Serial No. 422,944; published Oct. 17, 1939.
Corsets, girdles, brassières, etc. Bonwit Teller, Inc. 374,223; Jan. 2; Serial No. 422,731; published Oct. 17, 1939.
Diapers, infants' sleeping robes, training panties, etc. Allied Stores Corporation. 374,191; Jan. 2; Serial No. 422,234; published Oct. 17, 1939.
Dresses and housecoats. Fantle Bros. Co. Inc. 374,311; Jan. 2.
Dresses, blouses, and jumpers, Children's. L. J. Goldberger. 374,306; Jan. 2.
Dresses, coats, jackets, etc., Infants' and children's. May Departments Stores Company. 374,178; Jan. 2; Serial No. 421,941; published Oct. 10, 1939.
Dresses, Ladies'. Kolodney & Myers, Inc. 374,329; Jan. 2.
Footwear. P. H. Volk. 131,872; renewed May 25, 1940.
Garments, Reducing. I. B. Kleinert Rubber Company. 374,284; Jan. 2.
Gloves. M. Merlier, Inc. 374,227; Jan. 2; Serial No. 422,781; published Oct. 17, 1939.
Gloves, Fabric. Julius Kayser & Co. 374,117; Jan. 2; Serial No. 418,412; published Oct. 17, 1939.
Gloves, hosiery, shirts, etc. Scott-Burr Stores Corporation. 374,137; Jan. 2; Serial No. 420,691; published Oct. 17, 1939.
Handkerchiefs. Burmel Handkerchief Corporation. 374,126; Jan. 2; Serial No. 419,610; published Oct. 10, 1939.
Hats for men. Hat Corporation of America. 374,225; Jan. 2; Serial No. 422,745; published Oct. 17, 1939.
Hats, Ladies' and children's. C. Kartiganer. 374,121; Jan. 2; Serial No. 418,686; published Oct. 17, 1939.
Hats, Ladies' and misses'. Philbert Hat Co. 374,211; Jan. 2; Serial No. 422,485; published Oct. 24, 1939.
Hats, Men's. M. S. Levy & Sons, Inc. 374,150–1; Jan. 2; Serial Nos. 421,115–16; published Oct. 10, 1939.
Hats, Men's and boys' fur felt. Caradine Hat Company. 374,202; Jan. 2; Serial No. 422,355; published Oct. 10, 1939.
Hosiery. Interwoven Stocking Company. 374,299; Jan. 2.
Housecoats, petticoats, slips, etc. George Mouakad Co. 374,173; Jan. 2; Serial No. 421,742; published Oct. 3, 1939.
Neckties, cravats, and scarfs. Franc, Strohmenger & Cowan, Inc. 131,754; renewed May 25, 1940.
Overcoats, topcoats, and suits. Eagle Clothes. 374,293; Jan. 2.
Puttees, Fabric. Eaton Rapids Woolen Mills. 131,740; renewed May 25, 1940.
Shirts, Men's negligee. The Fair. 374,317; Jan. 2.
Shirts, neckties, handkerchiefs, etc. J. C. Fayssoux. 374,187; Jan. 2; Serial No. 422,130; published Oct. 17, 1939.
Shoes. L. W. Bagg. 374,116; Jan. 2; Serial No. 418,225; published Oct. 17, 1939.
Shoes. Fashion Bootery. 374,219; Jan. 2; Serial No. 422,666; published Oct. 17, 1939.
Shoes. Selby Shoe Co. 374,220; Jan. 2; Serial No. 422,674; published Oct. 24, 1939.
Shoes. 34 West 34th Street Corporation. 374,179; Jan. 2; Serial No. 421,953; published Oct. 10, 1939.
Shoes and parts thereof. R. R. Ratcliff. 374,130; Jan. 2; Serial No. 419,769; published Oct. 10, 1939.
Shoes, Ladies'. Jay Shoe Manufacturing Company. 374,324; Jan. 2.
Shoes, Ladies'. Pincus & Tobias, Inc. 374,234; Jan. 2; Serial No. 422,865; published Oct. 17, 1939.
Shoes, Leather. Coward Shoe, Inc. 374,112; Jan. 2; Serial No. 417,904; published Oct. 17, 1939.
Shoes, Women's. Sears, Roebuck and Co. 374,156; Jan. 2; Serial No. 421,265; published Oct. 24, 1939.
Shoes, Women's. G. E. Smith. 374,194; Jan. 2; Serial No. 422,260; published Oct. 10, 1939.
Shoes, Women's. Wilkerson Shoe Company. 374,222; Jan. 2; Serial No. 422,723; published Oct. 10, 1939.
Shoes, Women's and misses'. Saks & Company. 374,297; Jan. 2.
Suits, coats, vests, etc. J. Friedman & Co. 374,320; Jan. 2.
Suits, slacks, underwear, etc. Weber and Heilbroner, Inc. 374,185; Jan. 2; Serial No. 422,109; published Oct. 17, 1939.
Suspenders, braces, and supporters. Pioneer Suspender Company. 374,160; Jan. 2; Serial No. 421,319; published Oct. 10, 1939.
Sweaters, Women's knitted. Morgan & Goetze Knitting Mills, Inc. 374,081; Jan. 2; Serial No. 409,134; published Oct. 3, 1939.
Underwear, Ladies' and children's. Belle Knitting Corp. 374,302; Jan. 2.
Underwear, Children's knit. Vogue Knitting Company. 374,325; Jan. 2.
Undergarments, Ladies'. Philip S. Bloom Co. 374,294–5; Jan. 2.

CLASS 40

Buttons and buckles or slides for belts. Button Corporation of America. 374,129; Jan. 2; Serial No. 419,746; published Oct. 10, 1939.
Combs. American Hard Rubber Company. 374,251; Jan. 2; Serial No. 423,081; published Oct. 24, 1939.
Hair goods. G. H. S. Corporation. 374,313; Jan. 2.
Pillow tops, Decorated. M. E. Stauffer. 374,108; Jan. 2; Serial No. 416,925; published Oct. 17, 1939.
Straps, Fabric watch. Swartchild & Company. 374,314; Jan. 2.
Tapes and webbings, braids, etc. International Braid Company. 374,255; Jan. 2; Serial No. 423,136; published Oct. 24, 1939.
Tapes, Venetian blind. Russell Manufacturing Company. 374,229–31; Jan. 2; Serial Nos. 422,830–2; published Oct. 17, 1939.

CLASS 42

Cotton pile fabrics in the piece. Collins and Aikman Corporation. 374,152; Jan. 2; Serial No. 421,180; published Aug. 22, 1939.
Fabrics, Flock coated textile. Behr-Manning Corporation. 374,148; Jan. 2; Serial No. 421,022; published Oct. 24, 1939.
Fabrics, Knitted rayon and cotton. Hillcrest Mills, Inc. 374,206; Jan. 2; Serial No. 422,461; published Oct. 24, 1939.
Pads, muslin crib sheets, pillow cases, etc., Quilted crib. Allied Stores Corporation. 374,190; Jan. 2; Serial No. 422,233; published Oct. 24, 1939.
Piece goods. Joseph Bancroft & Sons Co. 374,103; Jan. 2; Serial No. 416,362; published Oct. 24, 1939.
Piece goods, Knitted. Holly-Maid Sportwear Mills Co. 374,068; Jan. 2; Serial No. 399,189; published Oct. 24, 1939.
Rugs. W. T. Grant Company. 374,296; Jan. 2.
Rugs and bedspreads. Cabin Crafts, 374,224; Jan. 2; Serial No. 422,734; published Oct. 24, 1939.
Textile piece goods. Velveray Corporation of America. 374,216; Jan. 2; Serial No. 422,643; published Oct. 24, 1939.
Woolen dress goods, Flat. Dunderry Woolen Mills. 374,155; Jan. 2; Serial No. 421,237; published Oct. 24, 1939.

CLASS 43

Thread and yarn. Comptoir des Textiles Artificiels, Société Anonyme. 374,149; Jan. 2; Serial No. 421,027; published Oct. 3, 1939.
Thread. Linen. Barbour Brothers Co. 128,617; renewed Jan. 13, 1940.
Threads, yarns. Dollfus Mieg & Cie. Societe Anonyme. 127,922–5; renewed Dec. 16, 1939.
Threads and yarns. Dollfus-Mieg & Cie. Societe Anonyme. 129,147; renewed Jan. 27, 1940.
Threads, yarns. Dollfus-Mieg & Cie. Societe Anonyme. 129,279; renewed Feb. 10, 1940.
Yarns, Cotton. Dollfus-Mieg & Cie. Societe Anonyme. 128,046–7; renewed Dec. 23, 1939.

CLASS 44

Denture materials. A. Fink. 374,176; Jan. 2; Serial No. 421,850; published Oct. 24, 1939.
Instrument used to determine and record the heart, venous, and lung action. Cameron Heartometer Company. 374,330; Jan. 2.
Massage appliances, nail trimmers, and buffers. Remington Rand Inc. 374,070; Jan. 2; Serial No. 400,470; published Aug. 15, 1939.
Portable device for the therapeutic treatment of the sick. V. H. Roos. 374,328; Jan. 2.
Prophylactic rubber articles. Ware and White, Inc. 374,266; Jan. 2; Serial No. 423,389; published Oct. 24, 1939.
Support for the longitudinal arch of the foot. A. E. Block. 127,901; renewed Dec. 16, 1939.

CLASS 45

Beverage drinks. G. Abrash. 374,146; Jan. 2; Serial No. 420,925; published Oct. 24, 1939.
Beverages, and syrups, extracts, and flavors for making same. Florasynth Laboratories Inc. 374,124; Jan. 2; Serial No. 419,187; published Oct. 24, 1939.
Beverages, and syrups, extracts, and flavors for making same. B. T. Fooks. 374,125; Jan. 2; Serial No. 419,299; published Oct. 24, 1939.
Beverages and syrups and extracts for making same, Maltless. National Co-Operatives, Inc. 374,276; Jan. 2; Serial No. 423,571; published Oct. 24, 1939.

CLASS 46

Candy. R. H. Macy & Co. Inc. 374,066; Jan. 2; Serial No. 396,823; published Oct. 24, 1939.
Candy. Miss Saylor's Chocolates, Inc. 374,331; Jan. 2.
Candy. United Drug Company. 130,956; renewed May 4, 1940.
Canned fruits. Apple Growers Association. 374,321; Jan. 2.
Canned fruits. Muirson Label Company. 374,145; Jan. 2; Serial No. 420,826; published Sept. 12, 1939.
Canned fruits. Safeway Stores, Inc. 374,305; Jan. 2.

Canned fruits, vegetables, salmon, etc. Tiedemann & McMorran. 374,221; Jan. 2; Serial No. 422,682; published Oct. 17, 1939.
Canned pork and beans specifically. Schuckl & Co. 374,169; Jan. 2; Serial No. 421,673; published Oct. 24, 1939.
Canned sardines. Lubec Sardine Co. 127,765; renewed Dec. 2, 1939.
Canned vegetables. Iowa Canning Company. 374,133; Jan. 2; Serial No. 420,204; published Oct. 24, 1939.
Canned vegetables and apple butter. Empire State Pickling Company. 374,188; Jan. 2; Serial No. 422,203; published Oct. 24, 1939.
Cheese. W. M. Cahoone. 374,159; Jan. 2; Serial No. 421,284; published Oct. 24, 1939.
Chickens, Dressed broiler and roasting. Brandt Company. 374,232; Jan. 2; Serial No. 422,851; published Oct. 24, 1939.
Coffee. Albert Ehlers, Inc. 374,101; Jan. 2; Serial No. 415,881; published Oct. 24, 1939.
Coffee. C. A. Mackey & Co. 374,200–1; Jan. 2; Serial Nos. 422,305–6; published Oct. 24, 1939.
Confections and syrups or concentrates for making the same, Frozen. Joe Lowe Corporation. 374,209; Jan. 2; Serial No. 422,478; published Oct. 17, 1939.
Flour. Pillsbury Flour Mills Company. 374,196; Jan. 2; Serial No. 422,269; published Sept. 26, 1939.
Food, Dog. Hygrade Food Products Corporation. 374,214; Jan. 2; Serial No. 422,626; published Oct. 24, 1939.
Foods, specially prepared calcium caseinate, etc., Specially prepared. Mead Johnson & Company. 374,318; Jan. 2.
Fruit juices, Citrus. R. B. Wurgaft. 374,289; Jan. 2.
Fruits and fresh tomatoes, Fresh citrus. Growers Fruit Company. 374,131; Jan. 2; Serial No. 419,833; published Oct. 17, 1939.
Gelatin. Charles B. Knox Gelatine Co. Inc. 131,911; renewed May 25, 1940.
Grapes, Fresh. Hall Packing Co. 374,323; Jan. 2.
Grapes, Fresh. M. Zaninovich. 374,236; Jan. 2; Serial No. 422,879; published Oct. 24, 1939.
Ice cream, Individual portions of. Harmonica Bar Frozen Products Corp. 374,288; Jan. 2.
Meat pies. W. J. Moylan. 374,292; Jan. 2.
Oils, essences, and flavorings, and fruit extracts, Essential. A. Boake, Roberts & Company Limited. 374,204; Jan. 2; Serial No. 422,437; published Oct. 24, 1939.
Olives. La Mirada Olive Company. 374,319; Jan. 2.
Paste products, Alimentary. Ravarino & Freschi, Inc. 374,104; Jan. 2; Serial No. 416,517; published Oct. 24, 1939.
Pickles, peanut butter, sweet pickle relish, etc. Sweet Adeline Foods, Incorporated. 374,139; Jan. 2; Serial No. 420,730; published Oct. 24, 1939.
Potatoes. Farmers Cooperative Marketing Assn. 374,091; Jan. 2; Serial No. 412,336; published Oct. 24, 1939.
Seasonings, sauces, gravies, etc. Maggi Co. 374,072; Jan. 2; Serial No. 405,175; published Oct. 17, 1939.
Tea. Thos. Christy & Co. Ltd. 374,163; Jan. 2; Serial No. 421,451; published Oct. 24, 1939.
Toffee. John Mackintosh & Sons, Ltd. Inc. 374,102; Jan. 2; Serial No. 416,150; published Oct. 24, 1939.
Vegetables and fruits, Fresh. T. E. Stephens. 374,142; Jan. 2; Serial No. 420,784; published Oct. 24, 1939.
Vegetables, Fresh. Brentwood Produce Association. 374,217; Jan. 2; Serial No. 422,654; published Oct. 24, 1939.
Vegetables, Fresh. R. E. Myers. 374,212; Jan. 2; Serial No. 422,594; published Oct. 24, 1939.
Walnut-meats. California Walnut Growers Association. 130,162; renewed Apr. 13, 1940.

CLASS 47

Wine. California Wine Company. 374,203; Jan. 2; Serial No. 422,395; published Oct. 24, 1939.

CLASS 49

Rum, Puerto Rican. J. M. McCunn. 374,215; Jan. 2; Serial No. 422,631; published Oct. 24, 1939.
Whiskey. J. A. Dougherty's Sons, Incorporated. 374,213; Jan. 2; Serial No. 422,620; published Oct. 17, 1939.
Whiskey, gin, rum, etc. Distilled Liquors Corporation. 374,273–4; Jan. 2; Serial Nos. 423,523–4; published Oct. 24, 1939.
Whiskies, gins, and alcoholic cordials. Kraus Bros & Co. 374,166; Jan. 2; Serial No. 421,519; published Oct. 24, 1939.

CLASS 50

Covers, Bowl. Nyco, Inc. 374,193; Jan. 2; Serial No. 422,254; published Oct. 10, 1939.
Metallic closures for containers. Williams Sealing Corporation. 374,100; Jan. 2; Serial No. 415,465; published Oct. 24, 1939.
Packing cushions and packing cushion fringes. Georgia Cushion & Wrapper Company. 374,285; Jan. 2.
Signs, Non-electric. John Igelstroem Company. 374,264; Jan. 2; Serial No. 423,269; published Oct. 24, 1939.

LIST OF LABELS

"Aguila D'Oro". For Coffee. R. E. Di Marco. 54,102; Jan. 2.
Athlete's Salve. For a Salve for Athlete's Foot. Manhattan Laboratories. 54,116; Jan. 2.
Cavaliere Brand Macaroni Products. For Macaroni Products. C. W. Wolfe. 54,126; Jan. 2.
Delicious Raisin Bread. For Raisin Bread. Waxide Paper Company. 54,122; Jan. 2.
Eugenia's Whole Wheat Bread. For Whole Wheat Bread. A. E. E. Schneider. 54,121; Jan. 2.
Fine Footwear. For Footwear. A. C. Clayton Printing Company. 54,100–1; Jan. 2.
Haz-A-Wear Casein Interior-Paste Flat Paint. For a Casein Interior Paste Flat Paint. Hazard Lead Works, Inc. 54,108; Jan. 2.
Haz-A-Wear Trim Colors. For a Durable Trim Paint. Hazard Lead Works, Inc. 54,109; Jan. 2.
Hikes. For Wheat Cereal Products. V. E. Wikstrand. 54,125; Jan. 2.
Iso-Efemist. For Isotonic Ephedrine Solution. Hart Drug Corporation. 54,104–5; Jan. 2.
Jumbo Bread. For Bread. Waxide Paper Company. 54,123; Jan. 2.
Kokay Cooker. For Egg Cookers. Kokay Mfg. Co. Inc. 54,112; Jan. 2.
Livural. For Unguentum. Hart Drug Corporation. 54,106–7; Jan. 2.
Making Life Like Funny-Folks. For Complete Kits in Miniature for making Lifelike Funny-Folks. Amko Company. 54,095; Jan. 2.
Malted Buckwheat Pancake Flour. For Malted Buckwheat Pancake Flour. Malt Corporation of America. 54,115; Jan. 2.
Malted Pancake Flour. For Malted Pancake Flour. Malt Corporation of America. 54,114; Jan. 2.
Nickel Loaf. For Bread. Waxide Paper Company. 54,124; Jan. 2.
Nofade Brown. For a Brown Paint. Hazard Lead Works, Inc. 54,110; Jan. 2.
Oil of Lemon. For Oil of Lemon. California Fruit Growers Exchange. 54,098; Jan. 2.
Police—Postman—Fireman Super Service Shoe. For Shoes. M. B. Claff & Sons, Inc. 54,099; Jan. 2.
Pyo-Rex. For Treatments for Pyorrhea or Vincent's Angina. R. O. Lance. 54,113; Jan. 2.
Resaca. For Fresh Citrus Fruits. Bayview Citrus Association. 54,097; Jan. 2.
Selmer Bore Oil. For Bore Oil for Wood–Wind Instruments. H. & A. Selmer Inc. 54,118; Jan. 2.
Selmer Key Oil. For Key Oil with Applicator for Saxophones, Flutes, Clarinets, Piccolos, Bassoons, Oboes, English Horns and all Keyed Instruments. H. & A. Selmer Inc. 54,119; Jan. 2.
Selmer Valve Oil. For Valve Oil with Applicator for Trumpets. H. & A. Selmer Inc. 54,120; Jan. 2.
Sweet Georgia Brown Lemon Fragrance Lotion. For a Lemon Lotion for the Face, Hands, Arms and Neck. M. G. Neumann. 54,117; Jan. 2.
The Kokay Cooker. For Egg Cookers. Kokay Manufacturing Co. Inc. 54,111; Jan. 2.
Tutch-Upp Brand Greaseless Furniture Polish. For Furniture Polish. W. S. Dryburgh. 54,103; Jan. 2.
Valley Brook Farm Eggs. For Eggs. F. Barca. 54,096; Jan. 2.

LIST OF PRINTS

". . . And Every Coffee Bean is Carefully Inspected". For Coffee. Hills Bros. Coffee, Inc. 17,786; Jan. 2.
". . . And Green Coffee is Dried Slowly in the Sun". For Coffee. Hills Bros. Coffee, Inc. 17,787; Jan. 2.
Bird of Paradise Design. For Carpeting. Downs Carpet Co. 17,784; Jan. 2.
Blodgett Brownstines. For Framed Advertising Art Thermometers. C. M. Blodgett Metal Novelties. 17,781; Jan. 2.
"I Never Knew Coffee is Picked by Hand". For Coffee. Hills Bros. Coffee, Inc. 17,788; Jan. 2.
"I Never Realized How Important the Coffee-Tester is". For Coffee. Hills Bros. Coffee, Inc. 17,789; Jan. 2.

"I Never Realized the Importance of Washing Green Coffee. For Coffee. Hills Bros. Coffee, Inc. 17,790; Jan. 2.
". . . Isn't it Wonderful How They Control the Grind of Coffee". For Coffee. Hills Bros. Coffee, Inc. 17,791; Jan. 2.
Leaf Design. For Carpeting. Downs Carpet Co. 17,783; Jan. 2.
"No Wonder the Coffee is Fresh *Whenever* You Buy It". For Coffee. Hills Bros. Coffee, Inc. 17,792; Jan. 2.
Palmetto Design. For Carpeting. Downs Carpet Co. 17,785; Jan. 2.
Selmer Magnitone Ligature. For Ligatures for Clarinets and Saxophones. H. & A. Selmer, Inc. 17,795; Jan. 2.
Silverice Chills Without Diluting. For Metal and Glass Balls Containing Distilled Water Which, When Frozen, Are Used for Chilling and Decorative Purposes for Beverages, Butter, Celery, Fruits, Olives, Salads and Certain Types of Desserts. Silverice, Inc. 17,796; Jan. 2.
Spicy, Old-Time Mince Pie! For Mince Meat. Borden Co. 17,782; Jan. 2.
"They Take a Sample From *Every* Single Bag". For Coffee. Hills Bros. Coffee, Inc. 17,793; Jan. 2.
"Wasn't That Can-Testing Machine Amazing". For Coffee. Hills Bros. Coffee, Inc. 17,794; Jan. 2.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cleaveland, John B., Far Hills, N. J. Waterproofing composition and waterproofing fabric. Re. 21,311; Jan. 2.

Désagnat, Gaston, Paris, France. Decorative wall covering. Re. 21,313; Jan. 2.

Nissen, Harry C., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic regulation for engine cooling means. Re. 21,312; Jan. 2.

United Aircraft Corporation. (See Nissen, Harry C., assignor.)

LIST OF DESIGN PATENTEES

Aaronson, Morris L., New York, N. Y. Button or similar article. 118,423; Jan. 2.

Allison, William L., Phoenix, Ariz. Lamp standard. 118,358; Jan. 2.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for a lighting fixture. 118,359; Jan. 2.

Auerbach, Beatrice F., assignor to G. Fox & Co. Inc., Hartford, Conn. Plate or similar article. 118,360; Jan. 2.

Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)

Beck, Leo L., Morristown, N. J., and W. R. Price, New York, assignors to Lustron Lights, Inc., New York, N. Y. Support for an inductively excited gaseous conductor tube. 118,408; Jan. 2.

Becker, Earl B., Elkader, Iowa. Merchandise display stock fixture or similar article. 118,361; Jan. 2.

Berbus, Edward C., Baltimore, Md. Vase or similar article. 118,362; Jan. 2.

Betz, Frank L., Los Angeles, Calif. Vase or similar article. 118,363; Jan. 2.

Bojesen, Kay, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y. Wooden toy train. 118,364; Jan. 2.

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)

Bowes, Robert M., Waterbury, Conn. Thermostatic fire alarm. 118,365; Jan. 2.

Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 118,409; Jan. 2.

Cusumano, Frank, New York, N. Y. Bracelet or similar article. 118,403; Jan. 2.

Cusumano, Frank, New York, N. Y. Necklace or similar article. 118,404; Jan. 2.

Davis, Charles R., Rochester, N. Y. Theft, fire, and water proof safe or similar article. 118,366; Jan. 2.

Davis, Gifford D. (See Rockwood, Earl L., assignor.)

Dolgorukov, Gregory S., Detroit, Mich. Combined book end and pencil holder or similar article. 118,410; Jan. 2.

Dolgorukov, Gregory S., Detroit, Mich. Desk receptacle unit, for pencils, envelope openers, rulers, or the like. 118,411; Jan. 2.

Dorée, Silvia, New York, N. Y. Bag or similar article. 118,430; Jan. 2.

Edson, Bert, Pawtucket, R. I. Lace. 118,367; Jan. 2.

Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills Inc., New York, N. Y. Lace. 118,368; Jan. 2.

Ekstrand, Ernest W., Los Angeles, Calif. Ashtray or similar article. 118,369; Jan. 2.

Erie Manufacturing Co. (See Poncher, Louis S., assignor.)

Federal Glass Company, The. (See Nicholson, Albert H., assignor.)

Florsheim Shoe Company, The. (See Pick, Oswald M., assignor.)

Fox, G., & Co. Inc. (See Auerbach, Beatrice F., assignor.)

Fuller, Daniel B., New York, N. Y. Textile fabric. 118,412; Jan. 2.

General Electric Company. (See Petzold, William B., assignor.)

General Motors Corporation. (See Phelps, A. G., and Stickel, assignors.)

Gibson, John, Columbus, Ohio. Locomotive body. 118,370; Jan. 2.

Goeltz, Louis H., Milwaukee, Wis. Bathtub. 119,371; Jan. 2.

Guay, Leopold J., Bronx, N. Y. Thumb stall. 118,372; Jan. 2.

Guhl, Maclyn, assignor to Rovet Inc., New York, N. Y. Textile fabric. 118,373; Jan. 2.

Harttmann, Lina, New York, N. Y. Textile fabric or similar article. 118,413; Jan. 2.

Hickok Manufacturing Company. (See Vaisey, Harold C., assignor.)

Huizeng, John D., New York, N. Y. Ribbon. 118,414; Jan. 2.

Irmscher, Hans O., New York, N. Y., assignor to Millie Patent Holding Co., Inc. Bag package or similar article. 118,424; Jan. 2.

Johnson, Beverly, Dallas, Tex. Glider. 118,405; Jan. 2.

Kamenstein, Meyer, New York, N. Y. Garbage receptacle. 118,374; Jan. 2.

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)

Kaufman, Benjamin M., New York, N. Y. Textile fabric. 118,431; Jan. 2.

Kay, Lillian, New York, N. Y. Decorative nail. 118,375; Jan. 2.

King, Henry G., Lorain, Ohio. Photographer's film magazine loading tool or similar article. 118,376; Jan. 2.

Kops Brothers, Inc. (See Kops, Waldemar, assignor.)

Kops, Waldemar, assignor to Kops Brothers, Inc., New York, N. Y. Girdle. 118,425; Jan. 2.

Landers, Frary & Clark. (See Smith, Charles F., assignor.)

Lentheric Incorporated. (See McIntosh, Frank, assignor.)

Lewis, Howard B., Venice, Calif. Safety hat. 118,432; Jan. 2.

Lippman, Jeannette, East Orange, N. J. Dress. 118,426; Jan. 2.

Loveland, Clyde B., Buffalo, N. Y. Serving tray. 118,377; Jan. 2.

Lunning, Frederik, Inc. (See Bojesen, Kay, assignor.)

Lustron Lights, Inc. (See Beck, L. L., and Price, assignors.)

Mann, Joseph B., Nutley, N. J., assignor to Verdura, Inc., New York, N. Y. Bracelet or similar article. 118,378; Jan. 2.

Marks, Murray J., New York, N. Y. Hat. 118,433; Jan. 2.

Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Stapling machine. 118,379; Jan. 2.

Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Stapling machine. 118,380; Jan. 2.

Mazola, Christine, New York, N. Y. Dress. 118,427; Jan. 2.

McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Combined bottle and closure cap. 118,381; Jan. 2.

Mehrer, Ted, assignor to Verlys of America, Inc., New York, N. Y. Vase or similar article. 118,382; Jan. 2.

Mehrer, Ted, assignor to Verlys of America, Inc., New York, N. Y. Vase or similar article. 118,383; Jan. 2.

Mehrer, Ted, assignor to Verlys of America, Inc., New York, N. Y. Vase or similar article. 118,384; Jan. 2.

Mercer, Nicholas A., New York, N. Y. Combination pocket case. 118,440; Jan. 2.

Meurer, Louis G., New York, N. Y. Textile fabric. 118,434; Jan. 2.

Millie Patent Holding Co. (See Irmscher, Hans O., assignor.)

Mohawk Brush Company. (See Weber, Frank K., assignor.)

Nessen, Walter F., assignor to Sears, Roebuck and Co., Chicago, Ill. Saw. 118,415; Jan. 2.

New England Lace Mills Inc. (See Edson, Bert, assignor.)

Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass relish dish or article of similar nature. 118,385; Jan. 2.

Patent License Corporation. (See Arenberg, Albert L., assignor.)

Pajzs, Tibor M., Shorewood, Wis. Finger ring. 118,386; Jan. 2.

Pealer, Robert B., Parkman, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe working machine. 118,416; Jan. 2.

Peck, Margaret C., Winnetka, Ill. Doll. 118,387; Jan. 2.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Trophy base. 118,388; Jan. 2.
Phelps, Arthur G., Anderson, Ind., and F. G. Stickel, assignors to General Motors Corporation, Detroit, Mich. Storage battery box. 118,389; Jan. 2.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 118,417; Jan. 2.
Picken, Mary B., New York, N. Y. Apron. 118,418;
Poncher, Louis S., assignor to Erie Manufacturing Co., Inc., Chicago, Ill. Bumper guard. 118,406; Jan. 2.
Poncher, Louis S., assignor to Erie Manufacturing Co., Inc., Chicago, Ill. Bumper guard. 118,407; Jan. 2.
Price, William R. (See Beck, L. L., and Price.)
Propper-McCallum Hosiery Co. Inc. (See Tobin, Clarke W., assignor.)
Rains, Solomon E., New York, N. Y. Head covering. 118,441; Jan. 2.
Rockwood, Earl L., Toledo, Ohio, assignor to G. D. Davis. Sprayer. 118,419; Jan. 2.
Rosen, Sydelle, New York, N. Y. Dress ensemble. 118,428; Jan. 2.
Rost, Katheryn, New York, N. Y. Dress. 118,435; Jan. 2.
Rovet Inc. (See Guhl, Maclyn, assignor.)
Sadiker, Adolph H., New York, N. Y. Coat. 118,390; Jan. 2.
Sanders, Altina, New York, N. Y. Spectacle frame. 118,391; Jan. 2.
Scappaticcio, Vincent, New York, N. Y. Combination evening and street dress. 118,392; Jan. 2.
Sears, Roebuck and Co. (See Nessen, Walter F., assignor.)
Simon, Gerald H., San Francisco, Calif. Ribbon fabric. 118,436; Jan. 2.
Simon, Gerald H., San Francisco, Calif. Ribbon fabric. 118,437; Jan. 2.
Sinclair, Melroy, Maplewood, Mo. Air filter. 118,420; Jan. 2.
Smith, Charles F., assignor to Landers, Frary & Clark, New Britain, Conn. Support for culinary appliances. 118,393; Jan. 2.
Sonntag, Bernhard, Dallas, Tex. Kitchen ventilator. 118,421; Jan. 2.
Stickel, Frederick G. (See Phelps, A. G., and Stickel.)
Teich, Curt, assignor to Curt Teich & Company, Inc., Chicago, Ill. Display rack for post cards. 118,394; Jan. 2.
Teich, Curt, & Company. (See Teich, Curt, assignor.)
Tips, Carl A., New York, N. Y. Textile fabric. 118,438; Jan. 2.
Tobin, Clarke W., South Orange, N. J., assignor to Propper-McCallum Hosiery Co. Inc., New York, N. Y. Stocking or similar article. 118,439; Jan. 2.
Uziel, Jack, New York, N. Y. Braid or similar article. 118,395; Jan. 2.
Uziel, Jack, New York, N. Y. Braid or similar article. 118,396; Jan. 2.
Vaisey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Medal or the like. 118,397; Jan. 2.
Verdura, Inc. (See Mann, Joseph B., assignor.)
Verlys of America, Inc. (See Mehrer, Ted, assignor.)
Virgile, Gabriel, Long Beach, N. Y. Textile fabric. 118,402; Jan. 2.
Wasserman, Jack, Lawrence, N. Y. Dress. 118,429; Jan. 2.
Weber, Frank K., East Greenbush, assignor to Mohawk Brush Company, Albany, N. Y. Hair brush. 118,422; Jan. 2.
Wheary, Warren, Chicago, Ill. Combined sign frame and bicycle rack. 118,398; Jan. 2.
Wilde, Hans W., Cliffside Park, N. J. Textile fabric. 118,399; Jan. 2.
Wilde, Hans W., Cliffside Park, N. J. Textile fabric. 118,400; Jan. 2.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 118,401; Jan. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Company. (See Grunig, Bernhard C., assignor.)
Abel, Paul, executor. (See Lilienfeld, Leon.)
Achtel, Georg, K. Schilling, and K. Misch, Berlin, Germany, assignors to Askania-Werke A. G. Fluid pressure responsive instrument. 2,185,971; Jan. 2.
Adams, Donald W., and R. L. Schuhmann, Louisville, Ky., assignors, by mesne assignments, to Coffee Electrost Corporation, Chicago, Ill. Roasting coffee and apparatus therefor. 2,185,878; Jan. 2.
Adams, Folger, Joliet, Ill. Jail locking device and the like. 2,185,175; Jan. 2.
Aero Supply Manufacturing Co. (See Downey, George T., assignor.)
Agnoli, Silvio J. (See Cilento, A. J., and Agnoli.)
Alaska Freezer Co., The. (See Meyer, J. W., Jr., and Ruttiman, assignors.)
Albaugh, Lyman P., assignor to Meredith Publishing Company, Des Moines, Iowa. Printing cylinder pressure system. 2,185,743; Jan. 2.
Albright, William D. (See Candler, G. L., and Albright.)
Aldrich, Charles H., Elizabeth, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Stool for molds for casting metal. 2,185,390; Jan. 2.
Aldrich, Robert B. (See McInnis, D. K., and Aldrich.)
Alexander, M. H., administrator. (See Senecal, Ephraim A.)
Alexander, Theodore D., Atlanta, Ga. Card table tray. 2,185,907; Jan. 2.
Alframine Corporation. (See Mauersberger, Erust A., assignor.)
Allen, Albert S., Greenburgh, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Container and blank therefor. 2,185,391; Jan. 2.
Allen, Horace C., Marlton, N. J., assignor to Radio Corporation of America. High frequency amplifier. 2,185,879; Jan. 2.
Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 2,185,240; Jan. 2.
Alles, Gordon A., Los Angeles, Calif. Medicinal agent. 2,185,824; Jan. 2.
Allgemeine Elektricitats Gesellschaft. (See Bfüche, E., and Steudel, assignors.)
Allgemeine Elektricitats Gesellschaft. (See Orthuber, R., and Steudel, assignors.)
Allgemeine Elektricitäts-Gesellschaft. (See Steudel, E., and Orthuber, assignors.)
Alliance Machine Company, The. (See Harry, Robert J., assignor.)
Allis, Louis, Company, The. (See Fechheimer, Carl J., assignor.)
Allis, Louis, Company, The. (See Smith, Harold L., assignor.)
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Drying method and apparatus. 2,185,760; Jan. 2.
Altgelt, Rudolph J., and C. H. Gemberling, South Bend, Ind., assignors to Oliver Farm Equipment Company. Harrow. 2,185,880; Jan. 2.
Aluminum Company of America. (See Burgess, William S., assignor.)
Aluminum Goods Manufacturing Co. (See Fay, Ray H., assignor.)
Amann, Paul E. M. (See Deshon, G. W., and Amann.)
Amdur, Leon H., Brooklyn, N. Y. Advertising novelty. 2,185,392; Jan. 2.
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Brake Shoe and Foundry Company, The. (See Heidenthal, Warren C., assignor.)
American Can Company. (See Brennan, Thomas F., assignor.)
American Can Company. (See Kraus, C., and Lufft, assignors.)
American Can Company. (See Paynter, Horace J., assignor.)
American Can Company. (See Then, Edward O., assignor.)
American Cyanamid Company. (See Garnett, Stanley I., assignor.)
American Cyanamid Company. (See Jayne, David W., Jr., assignor.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Engineering Company. (See Myers, Charles L., assignor.)
American Fork & Hoe Company, The. (See Barnhart, William E., assignor.)
American Locomotive Company. (See Blunt, James G., assignor.)
American Machine & Foundry Company. (See Beutel, Robert J., assignor.)
American Metal Company, The. (See Aldrich, Charles H., assignor.)
American Seating Company. (See Todd, E. T., and Hall, assignors.)
American Tap-Bush Company. (See Rice, Frank E., assignor.)
American Viscose Corporation. (See Martin, Frank B., assignor.)
Anaconda Wire & Cable Company. (See Boyle, James S., assignor.)
Anaconda Wire & Cable Company. (See Burby, James D., assignor.)
Anchor Hocking Glass Corporation. (See Lavere, Carroll K., assignor.)
Anderau, Walter. (See Straub, F., Hanhart, and Anderau.)
Andersen, Christian S., assignor to Pennsylvania Furnace & Iron Co., Warren, Pa. Automatic safety pilot. 2,185,423; Jan. 2.
Anderson, Avid E., Drexel Hill, Pa., assignor to General Electric Company. Circuit breaker control system. 2,185,825; Jan. 2.
Anderson, Charles R., Rock Island, Ill. Display case. 2,185,393; Jan. 2.
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Fan. 2,185,718; Jan. 2.
Anderson, Raymond F. (See Cox, Keith M., assignor.)
Anderson, Rexford O. (See Carson, A. H., and Anderson.)
Anderson, Rexford O., and A. H. Carson, Oklahoma City, Okla. Hydraulic braking apparatus. 2,185,491; Jan. 2.
Anderson, Roger, Seattle, Wash. Bone setting splint. 2,185,322; Jan. 2.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper carriage for accounting machines. 2,185,424; Jan. 2.
Andrews, John S., Los Angeles, Calif. Combined automatic and manually controlled safety valve. 2,185,364; Jan. 2.
Andrews, Lewis D., assignor to Stackpole Carbon Company, St. Marys, Pa. Developing apparatus. 2,185,620; Jan. 2.
Anthes Foundry Limited. (See Anthes, L. L., Ellis, and Pallister, assignors.)
Anthes, Lawrence L., F. E. Ellis, and G. E. Pallister, assignors to Anthes Foundry Limited, Toronto, Ontario, Canada. Heating furnace. 2,185,365; Jan. 2.
Antonelli, Joseph A. (See Kosatka, T. O., and Antonelli.)
Apex Electrical Manufacturing Company, The. (See McCabe, J. J., and Frantz, assignors.)
Arbogast, Alfred C., assignor to Northern Indiana Brass Company, Elkhart, Ind. Timing mechanism. 2,185,394; Jan. 2.
Armistead, Hubert M. (See Jacobs, H. A., and Armistead.)
Armour and Company. (See Ralston, Anderson W., Pool, and Harwood, assignors.)
Armstrong, Paul H., Orange, N. J. Attachment for hand operation of foot brakes and the like. 2,185,170; Jan. 2.
Arnold Print Works. (See de Goencz, D., Tarnuzzer, and Stockwell, assignors.)
Arnold, William G., Shaunavon, Saskatchewan, Canada. Automatic paste tube closure. 2,185,323; Jan. 2.
Ashenfelder, J. E., et al. (See Emmons, Elias S., assignor.)
Askania-Werke A. G. (See Achtel, G., Schilling, and Misch, assignors.)
Askania-Werke A. G. (See Zieholz, Herbert, assignor.)
Atlee, Zed J., Chicago, Ill., assignor to General Electric X-Ray Corporation. Rotatable anode X-ray tube. 2,185,826; Jan. 2.
Austin, Herbert A., Boston, assignor to The H. A. Austin Company, Incorporated, Worcester, Mass. Breast form. 2,185,761; Jan. 2.
Austin, H. A., Company, The. (See Austin, Herbert A., assignor.)
Autogenwerk "Sirius" Gesellschaft mit beschränkter Haftung. (See Becker, Ernst, assignor.)
Automatic Winding Company. (See Thomas, Leslie G., assignor.)
Automotive Improvement Patents Corporation. (See Burtnett, Everett R., assignor.)
Avery, Clarence W., Detroit, Mich., assignor to The Murray Corporation of America. Upholstery forming apparatus. 2,185,827; Jan. 2.
Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)

Babson, Henry B. (See Pfanstiehl, Carl, assignor.)
Badger Malleable & Mfg. Company. (See Ricker, Adolph J., assignor.)
Bager, William M., Fox Point, M. L. Fyske, and G. W. Mork, assignors to Bucyrus Erie Company, South Milwaukee, Wis. Excavating dipper. 2,185,176; Jan. 2.
Bailey, Charles W., assignor to Stewart Bros. Inc. of Lynn, Mass. Counter molding machine. 2,185,937; Jan. 2.
Baisch, Carl F., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,185,324; Jan. 2.
Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)
Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,185,719; Jan. 2.
Balch, Ralph H., T. C. Campbell, and J. L. Grant, Cumberland, Md., assignors to Celanese Corporation of America. Direct warping. 2,185,621; Jan. 2.
Baldwin Company, The. (See Kock W. E., and Jordan, assignors.)
Baldwin Company, The. (See Morse, A. H., and Pieper, assignors.)
Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
Baldwin-Southwark Corporation. (See Weiland, A., and Zwicki, assignors.)
Balfe, George T., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich. Making gaskets. 2,185,908; Jan. 2.
Bamford, Harry S., Philadelphia, Pa., assignor by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Apertured electrode for thermionic tubes. 2,185,395; Jan. 2.
Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. 2,185,396; Jan. 2.
Bank, Sylvia. (See Bank, Albert M., assignor.)
Barber-Colman Company. (See Edgar, John, assignor.)
Barnett, P. B., et al. (See Emmons, Elias S., assignor.)
Barnhart, William E., Perth Amboy, N. J., assignor, by mesne assignments, to The American Fork & Hoe Company, Cleveland, Ohio. Apparatus for forming a hedge shear blade. 2,185,881; Jan. 2.
Barrett Company, The. (See Gould, David F., assignor.)
Barrett, Edward L., La Grange, and J. Bertschi, assignors to Utah Radio Products Company, Chicago, Ill. Electromagnetic vibratory motor. 2,185,683; Jan. 2.
Barrett, Herbert R., Chelmsford, and W. Brookes, assignors to Lake and Elliott Limited, Braintree, England. Valve apparatus for use in distributing fluid. 2,185,325; Jan. 2.
Barrett, Robert N., Houston, Tex. Ornamental object 2,185,492; Jan. 2.
Bartholomew, Harvey C., Los Angeles, Calif. Game apparatus. 2,185,366; Jan. 2.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bates, Sidney Q., assignor of one-half to F. H. Thrallkill, Houston, Tex. Feed water heater. 2,185,177; Jan. 2.
Baudou, Maurice, et al. (See Brunswick, Jules, assignor.)
Baudou, Rene, et al. (See Brunswick, Jules, assignor.)
Bauman, Merle W., Seattle, Wash. Oil cup. 2,185,622; Jan. 2.
Baumeister, Wilhelm. (See Flemming, W., and Baumeister.)
Bayne, Richard A., Detroit, Mich. Ice block forming and dispensing device. 2,185,241; Jan. 2.
Beam, Vilynn O., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Immersion type thermostat. 2,185,623; Jan. 2.
Beardsley, Guy E., Jr., West Hartford, and J. S. Hasbrouck, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Density responsive device. 2,185,578; Jan. 2.
Baumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,185,287; Jan. 2.
Beck, Allen F., Columbus, Ohio. Latch for metallic grave vaults. 2,185,326; Jan. 2.
Beck, Allen F., Columbus, Ohio. Metallic grave vault. 2,185,493; Jan. 2.
Beck, Charles W., Toledo, Ohio. Container for cards. 2,185,624; Jan. 2.
Beck Duplicator Company, The. (See Pittman, Reinhart W., assignor.)
Becker, Ernst, assignor to firma Autogenwerk "Sirius" Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Self-advancing autogenous torch. 2,185,781; Jan. 2.
Becker, Hans. (See Corell, M., Vollman, and Becker.)
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Phonograph. 2,185,882; Jan. 2.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,185,700; Jan. 2.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Production of nitric acid. 2,185,579; Jan. 2.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Production of nitric acid. 2,185,580; Jan. 2.
Bell, Abram P., Los Angeles, Calif. Yarn winder. 2,185,327; Jan. 2.
Bell Telephone Laboratories, Incorporated. (See Beaumont, William M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bennett, William R. assignor.)
Bell Telephone Laboratories, Incorporated. (See Berger, Frederick C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Caruthers, Robert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hickman, Clarence N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mertz, Pierre, assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Daniel D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peterson, Glen, assignor.)
Bell Telephone Laboratories, Incorporated. (See Weinhart, Howard W., assignor.)
Bendix Aviation Corporation. (See Mistral, Paul H., assignor.)
Bendix Aviation Corporation. (See Stelzer, William, assignor.)
Bendix Products Corporation. (See Cunningham, Marion M., assignor.)
Bendix Products Corporation. (See Frank, Frederick C., assignor.)
Bendix Products Corporation. (See Goepfrich, Rudolph A., assignor.)
Bendix Products Corporation. (See Kliesrath, Victor W., assignor.)
Bendix Products Corporation. (See Leupold, Mathias, assignor.)
Bendix Products Corporation. (See Mock, Frank C., assignor.)
Bennett, William R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal wave modulation. 2,185,684; Jan. 2.
Benowitz, Max A., Kingston, N. Y. One-piece adjustable strap. 2,185,425; Jan. 2.
Berger, Frederick C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Strand winding machine. 2,185,883; Jan. 2.
Bernhardt, Rudolph, Chicago, Ill. Sprayer. 2,185,534; Jan. 2.
Bertschi, Jacob. (See Barrett, E. L., and Bertschi.)
Bessonneau, Maurice, Puteaux, France. Disappearing hood for motor vehicles. 2,185,581; Jan. 2.
Besteo Shoe Machinery Inc. (See Le Gault, Elzear J., assignor.)
Beutel, Robert J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Bread slicing machine. 2,185,744; Jan. 2.
Beutner, Reinhard, Philadelphia, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Dusting powder. 2,185,178; Jan. 2.
Bialostok, Joseph. (See Bialostok, Max, assignor.)
Bialostok, Max, Brooklyn, N. Y., assignor of one-half to J. Bialostok, Lebanon, Pa. Knitted glove and making the same. 2,185,720; Jan. 2.
Binon, Georges, Paris, France, assignor to W. and W. J. Grumbacher, copartners doing business as M. Grumbacher, New York, N. Y. Dispenser for liquids. 2,185,288; Jan. 2.
Biolité Incorporated. (See Kaufman, Alfonse, assignor.)
Birchard, Wayne E. (See Mclachlan, W. J., and Birchard.)
Birchfield, Grover C., Chicago, Ill. Athletic shoe cleat. 2,185,397; Jan. 2.
Bird, Edward S., assignor to Reed-Prentice Corporation, Worcester, Mass. Die casting machine. 2,185,625; Jan. 2.
Bird, Len O., Glendale, and E. P. Drake, Los Angeles, Calif.; said Drake assignor to said Bird. Hydraulic control for trail builder. 2,185,179; Jan. 2.
Bittner, Leroy S., Elysburg, Pa. Hydraulic brake system. 2,185,535; Jan. 2.
Black, Harry F. (See Bruker, H. W., and Black.)
Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Truck or trailer front construction. 2,185,961; Jan. 2.
Blake, Kenneth R., Grosse Pointe, and A. L. Bunting, Detroit, Mich. Liquid cooling means and container therefor. 2,185,799; Jan. 2.
Blakely, Robert T., Ridgewood, N. J., assignor to International Business Machines Corporation, New York, N. Y. Punching machine. 2,185,685; Jan. 2.
Blanc, Adolph I. (See Lund, Frank M., assignor.)
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Multiple component gravity balance. 2,185,582; Jan. 2.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Safety catch for vertically sliding doors. 2,185,828; Jan. 2.
Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Thermionic valve amplifying circuit. 2,185,367; Jan. 2.
Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Smoke lifter for locomotives. 2,185,242; Jan. 2.

Bockmühl, Max, and G. Ehrhart, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aromatic arsonic and stibonic acids. 2,185,972; Jan. 2.
Boerger, Martin G. (See Munch, H. S., and Boerger.)
Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Preparation of N-substituted lutidones. 2,185,243; Jan. 2.
Bohte, Steven, Denver, Colo. Auxiliary securing means for beef wrappers. 2,185,583; Jan. 2.
Bond, Myra P., Schenectady, N. Y. Hair washer and rinser. 2,185,495; Jan. 2.
Bond, William C., Washington, D. C. Bookstack. 2,185,494; Jan. 2.
Borg-Warner Corporation. (See Scherer, Harold L., assignor.)
Borg-Warner Corporation. (See Sherman, Alvin G., assignor.)
Borland, Alexander, and C. E. Hymers, Pontiac, and A. W. Spencer, Rochester, Mich. Syringe. 2,185,536; Jan. 2.
Bowen, William S., Westfield, N. J. Making a potato starch product. 2,185,368; Jan. 2.
Bowen, William S., Westfield, N. J. Atomizer device. 2,185,369; Jan. 2.
Bower, Byron F., assignor to The Howell Company, St. Charles, Ill. Fuel feed control mechanism. 2,185,686; Jan. 2.
Boyce, Hiram H., assignor of one-half to G. W. Pierce, Denver, Colo. Muffler. 2,185,585; Jan. 2.
Boyle, James S., Marion, Ind., assignor to Anaconda Wire & Cable Company, New York, N. Y. Extruding apparatus. 2,185,701; Jan. 2.
Bragg-Kliesrath Corporation. (See Sanford, Roy S., assignor.)
Brangle, Edward, Newburgh Heights, and V. Kolasinski, Cleveland, Ohio. Guide for strip mills or the like. 2,185,657; Jan. 2.
Braun, Karl J., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Card sorting machine. 2,185,289; Jan. 2.
Brauner, Pincus, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening-inserting machine. 2,185,426; Jan. 2.
Bravo, Hilario S. and M. S., Buenos Aires, Argentina. Closure for containers for aerated beverages. 2,185,290; Jan. 2.
Bravo, Manuel S. (See Bravo, Hilario S. and M. S.)
Bremer, Norman C., assignor to Morse Chain Company, Ithaca, N. Y. Roller chain. 2,185,702; Jan. 2.
Brennan, Thomas F., Valhalla, assignor to American Can Company, New York, N. Y. Container. 2,185,180; Jan. 2.
Bridgeport Rolling Mills Company, The. (See Hackley, Stephen, P., assignor.)
Briggs Manufacturing Company. (See Coordes, Harry G., assignor.)
Briggs Manufacturing Company. (See Marshall, William, assignor.)
Brisendine, Guy F., assignor to Carbon Systems, Inc., Kansas City, Mo. Manifold unit and producng the same. 2,185,721; Jan. 2.
Brittin, Edward B., Springfield, Ill. Clamping device. 2,185,782; Jan. 2.
Brodersen, Karl, M. Quaedvlieg, and M. Zabel, Dessau in Anhalt, and A. Schneider, Leipzig, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treatment of fibrous materials. 2,185,427; Jan. 2.
Bronsztajn, Ruwin, Hackensack, N. J. Printing ink and making same. 2,185,181; Jan. 2.
Brooker, Leslie G. S. (See Keyes, G. H., and Brooker.)
Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Merocyanine dyes and preparing them. 2,185,182; Jan. 2.
Brookes, Wilfrid. (See Barrett, H. R., and Brookes.)
Brookes, Arthur E., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Microporous rubber filtering medium. 2,185,586; Jan. 2.
Brown, Charles J., Brooklyn, N. Y., assignor to Keystone Drum Company. Closure device for drums and the like. 2,185,171; Jan. 2.
Brown, Herman M., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Deseaming blooms, billets, sheet bars, and the like. 2,185,496; Jan. 2.
Brown, Ralph, Vancouver, British Columbia, Canada. Needle threading device. 2,185,722; Jan. 2.
Brown, William S. (See McGee, J. D., Freeman, and Brown.)
Browne, Floyd A., Cleveland, assignor of one-half to J. D. Overholt, Wooster, Ohio. Conveying mechanism. 2,185,973; Jan. 2.
Brownlee, Robert L., Chicago, Ill. Transmission gearing. 2,185,537; Jan. 2.
Brüche, Ernst, Berlin-Reinickendorf, and E. Steudel, Berlin-Dahlem, Germany, assignors to Allgemeine Elektricitats Gesellschaft, Friedrich-Karl-Ufer. Electron multiplier. 2,185,172; Jan. 2.
Bruker, Hobart W., and H. F. Black, assignors to George W. Swift, Jr. Inc., Bordentown, N. J. Cutting mechanism. 2,185,885; Jan. 2.
Bruker, Hobart W., and C. S. Thorn, assignors to George W. Swift, Jr., Inc., Bordentown, N. J. Guide construction for corrugating machine. 2,185,884; Jan. 2.
Brunet, Rene A., Charleston, W. Va. Rotary engine. 2,185,428; Jan. 2.
Brunswick, Jules, Paris, assignor to M. and R. Baudou, Les Eglisottes (Gironde), France, and himself. Multicellular rubber tire. 2,185,398; Jan. 2.
Bryant Heater Company, The. (See Beam, Vilynn O., assignors.)
Buchel, Johannes A., and R. N. Jan Saal, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Refining mineral oils. 2,185,291; Jan. 2.
Buckner, Arthur W., Houston, Tex. Cable clamp. 2,185,723; Jan. 2.
Bucyrus-Erie Company. (See Bager, W. M., Fykse, and Mork, assignors.)
Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)
Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Dean, assignors.)
Bullard, E. D., Company. (See Wisman, Lauren O., assignor.)
Bunting, Albert L. (See Blake, K. R., and Bunting.)
Burba, Thomas A., Jr. (See Murphy, J. M., and Burba.)
Burby, James D., White Plains, assignor to Anaconda Wire & Cable Company, New York, N. Y. Method of and apparatus for applying metal sheathing to insulated conductors. 2,185,429; Jan. 2.
Burgess Battery Company. (See Burgess, Charles F., assignors.)
Burgess, Charles F., Bokeelia, Fla., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Battery. 2,185,829; Jan. 2.
Burgess, William S., Wiscasset, Maine, assignor to Aluminum Company of America, Pittsburgh, Pa. High speed displacement type hull. 2,185,430; Jan. 2.
Burgess, William S., Wiscasset, Maine, assignor to Aluminum Company of America, Pittsburgh, Pa. High speed displacement type hull. 2,185,431; Jan. 2.
Burrows, Lawton A., Wenonah, and W. E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric initiator. 2,185,370; Jan. 2.
Burrows, Lawton A., Wenonah, and W. E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Delay composition. 2,185,371; Jan. 2.
Burt, Leo O., assignor to The Studebaker Corporation, South Bend, Ind. Transmission and gear shift mechanism therefor. 2,185,830; Jan. 2.
Burt Machine Company. (See Neer, Clifford H., assignor.)
Burtnett, Everett R., assignor to Automotive Improvement Patents Corporation, Los Angeles, Calif. Transmission mechanism. 2,185,538; Jan. 2.
Bush, A. G. (See Criner, Harry J., assignor.)
Buttermann, Garry G., Louisville, Ky. Self-closing box for shipping and dispensing ice-cream cones. 2,185,328; Jan. 2.
Buvinger, Roy E., Dayton, Ohio. Cooler. 2,185,539; Jan. 2.
Cady, Charles L., assignor of forty per cent to H. J. Yaw, Rockford, Ill. Rotary pump. 2,185,992; Jan. 2.
Cady, Curtis L., assignor to R. P. Cady, Hollywood, Calif. Apparatus for compacting concrete. 2,185,540; Jan. 2.
Cady, Robert P. (See Cady, Curtis L., assignor.)
Cahn, Frank J., assignor to The Emulsol Corporation, Chicago, Ill. Derivatives of alpha higher carboxylic acids. 2,185,541; Jan. 2.
Cahn, Frank J., and M. B. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Preparing sulphocarboxylic ester salts. 2,185,455; Jan. 2.
Caldwell, Henry C., assignor, by mesne assignments, to Hendwell Burner Corporation, Buffalo, N. Y. Gas burner. 2,185,886; Jan. 2.
Caldwell, Stuart H., assignor to Kelch Heater Company, Detroit, Mich. Tactual signal. 2,185,329; Jan. 2.
California Fruit Growers Exchange. (See Ruoff, Gustav, assignor.)
Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,185,831; Jan. 2.
Campbell, Thomas C. (See Balch, R. H., Campbell, and Grant.)
Candler, George L., and W. D. Albright, Sharon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impulse voltage testing equipment. 2,185,292; Jan. 2.
Caponey, Anthony S., Trenton, N. J. Automatic safety vehicle door locking device. 2,185,909; Jan. 2.
Carbide and Carbon Chemicals Corporation. (See Boese, Albert B., Jr., assignor.)
Carbide and Carbon Chemicals Corporation. (See Whaley, Fred R., assignor.)
Carbon Systems, Inc. (See Brisendine, Guy F., assignor.)
Carborundum Company, The. (See Higby, Kenneth W., assignor.)
Carborundum Company, The. (See McMullen, John C., assignor.)
Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,185,658; Jan. 2.
Carlisle, Carroll D. (See Paul, E. T., and Carlisle.)
Carlisle, Richard W., Elmsford, N. Y. Umbrella rib tip. 2,185,587; Jan. 2.

Carlsson, Stig. (See Werner, A., and Carlsson.)
Carpenter, James R., Battle Creek, assignor to Ferry-Morse Seed Company, Detroit, Mich. Display stand. 2,185,244; Jan. 2.
Carr, Albert B., and R. H. Fluker, Atlanta, Ga.; said Fluker assignor to said Carr. Winding machine. 2,185,399; Jan. 2.
Carson, Amon H. (See Anderson, R. O., and Carson.)
Carson, Amon H., and R. O. Anderson, Oklahoma City, Okla. Hoist. 2,185,498; Jan. 2.
Caruthers, Robert S., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier system with phase discrimination. 2,185,687; Jan. 2.
Cass, Oliver W. (See Levine, A. A., and Cass.)
Catalin Corporation of America. (See Thompson, W. R., and Flood, assignors.)
Celanese Corporation of America. (See Balch, R. H., Campbell, and Grant, assignors.)
Celanese Corporation of America. (See Croft, Cyril M., assignor.)
Celanese Corporation of America. (See McVeigh, W. B., and Hibbert, assignors.)
Cellulose Research Corporation, The. (See Sheldon, L. M., Goff, Herzog, and Olsen, assignors.)
Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction. 2,185,626; Jan. 2.
Chandler & Price Company, The. (See Johnson, Lawrence R., assignor.)
Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device and manufacture. 2,185,832; Jan. 2.
Chaaslyn Company, The. (See Linebarger, Charles E., assignor.)
Chemical Construction Corporation. (See Richardson, Ralph S., assignor.)
Chemical Seed Treating and Delinting Corporation. (See Kettenbach, Oscar L., assignor.)
Chemische Fabrik Promonta G. m. b. H. (See Kröper, H., and Thomae, assignors.)
Cheney, Ralph H., Des Moines, Iowa. Leg guard. 2,185,456; Jan. 2.
Chernow, Paul, Los Angeles, Calif. Automatic electric lawn mower. 2,185,659; Jan. 2.
Chrysler Corporation. (See Neeson, Charles R., assignor.)
Cilento, Angelo J., and S. J. Agnoli, Baltimore, Md. Interlocking brick. 2,185,497; Jan. 2.
Clark, Breckinridge T., assignor to E. H. Jacobs Manufacturing Company, Inc., Danielson, Conn. Lug strap. 2,185,585; Jan. 2.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Compensating hinge structure for automobile hoods or the like. 2,185,212; Jan. 2.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Compensating hinge structure for automobile hoods or the like. 2,185,213; Jan. 2.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Compensating hinge structure for automobile hoods or the like. 2,185,214; Jan. 2.
Clemson Bros., Inc. (See Clemson, Richard D., assignor.)
Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Mower. 2,185,833; Jan. 2.
Cochran, John E., assignor to The Crosley Corporation, Cincinnati, Ohio. Cooling system for refrigerators. 2,185,330; Jan. 2.
Coffee Electrost Corporation. (See Adams, D. W., and Schuhmann, assignors.)
Cohen, Jacob M., Brooklyn, N. Y. Suspender. 2,185,400; Jan. 2.
Coleman, Gerald H. (See Livak, J. E., Coleman, and Moyle.)
Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. Thiocyano-alkyl ethers of halophenols. 2,185,185; Jan. 2.
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Thiocyano-alkyl ethers of alkylphenols. 2,185,183; Jan. 2.
Coleman, Gerald H., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Thiocyano-alkyl ethers of alkyl-halo-phenols. 2,185,184; Jan. 2.
Coleman, James W., St. Lambert, Quebec, Canada. Car end construction. 2,185,783; Jan. 2.
Colonial Insulator Company, The. (See White, Charles M., Jr., assignor.)
Coltof, Willem, and S. L. Langedijk, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Process and product relating to stabilization of cyclic sulphides. 2,185,660; Jan. 2.
Colt's Patent Fire Arms Manufacturing Company. (See Sachs, Joseph, assignor.)
Conover, Warren C., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Outboard motor. 2,185,457; Jan. 2.
Convey, William. (See Eckler, Thomas E., assignor.)
Conway, Robert D., assignor to Universal Crusher Company, Cedar Rapids, Iowa. Pulverizer. 2,185,331; Jan. 2.
Cooper, Benjamin, New York, N. Y. Electromagnetic counter unit. 2,185,724; Jan. 2.
Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Lavatory or washbasin. 2,185,186; Jan. 2.
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Cigarette and treating same. 2,185,293; Jan. 2.
Corell, Martin, and H. Vollmann, Frankfort-on-the-Main, and H. Becker, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Substituted 3-aminopyrenes and preparing them. 2,185,661; Jan. 2.
Corry-Jamestown Manufacturing Corporation. (See Stowe, Rolland M., assignor.)
Corser, John, Minneapolis, Minn. Toilet seat. 2,185,499; Jan. 2.
Corydon, Jeff, and R. Lowe, Providence, R. I., assignors to Proportioneers, Inc. Pump. 2,185,784; Jan. 2.
Cotchett, Louis M., Hingham, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Cord stretching and winding machine. 2,185,245; Jan. 2.
Cowgill, William W. (See Myers, P. B., and Cowgill.)
Cox, Keith M., assignor of forty-one-hundredths to R. F. Anderson, Darlington, Ind. Footwear. 2,185,762; Jan. 2.
Cox, Seth J., Franklin, Pa. Screw driver. 2,185,910; Jan. 2.
Craft, Frank. (See Paul, E. T., and Carlisle, assignors.)
Cragwall, Gordon O. (See Pasternack, R., and Cragwall.)
Crampton, David, Montclair, N. J. Refrigeration. 2,185,332; Jan. 2.
Crawford, Grover D., Elmhurst, N. Y. Spark intensifier. 2,185,938; Jan. 2.
Crawford, William M., Bondurant, Iowa. Belt tightener. 2,185,745; Jan. 2.
Creper, Louis, Brooklyn, N. Y. Surgical belt. 2,185,834; Jan. 2.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,185,835; Jan. 2.
Croco, Charles P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tension control system. 2,185,836; Jan. 2.
Croft, Cyril M., Cumberland, Md., assignor to Celanese Corporation of America. Fabric and making same. 2,185,627; Jan. 2.
Crompton, George, Jr., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,185,837; Jan. 2.
Crosley Corporation, The. (See Cochran, John E., assignor.)
Crosthwait, David N., Jr., Marshalltown, Iowa, and E. G. Powell, Michigan City, Ind., assignors to C. A. Dunham Company, Marshalltown, Iowa. Heat balancer. 2,185,500; Jan. 2.
Crowley, John A., Jr. (See Simpson, T. P., Payne, Crowley, and Teitsworth.)
Crown can Company. (See McManus, C. E., Stewart, and Goebel, assignors.)
Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)
Cunningham, George L., and R. S. Robinson, Niagara Falls, assignors to The Mathieson Alkali Works, New York, N. Y. Stabilized alkali metal alcoholates. 2,185,247; Jan. 2.
Cunningham, James D., assignor to Republic Flow Meters Company, Chicago, Ill. Chart mounting for instruments. 2,185,294; Jan. 2.
Cunningham, Marion M., assignor to Bendix Products Corporation, South Bend, Ind. Brake tester. 2,185,246; Jan. 2.
Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
Dahlhaus, Heinrich, Wuppertal-Elberfeld, Germany. Envelope. 2,185,401; Jan. 2.
Damon, Philip E., Ames, Iowa. Fusee flare. 2,185,800; Jan. 2.
Daniel, Royal G., Beverly Hills, Calif. Vulcanizer adapter. 2,185,542; Jan. 2.
Daniel, Royal G., Beverly Hills, Calif. Vulcanizer adapter. 2,185,543; Jan. 2.
Darby, George M. (See Dorr, J. V. N., Weber, Darby, and Roberts.)
Darragh, Florence A. (See Darragh, John K., assignor.)
Darragh, John K., Chicago, Ill., assignor to F. A. Darragh, Self-locking carton. 2,185,544; Jan. 2.
Datz, Joseph A., Union City, N. J. Tent. 2,185,588; Jan. 2.
Daum, Horace A., Seattle, Wash. Target. 2,185,628; Jan. 2.
Davis, Benjamin S., assignor to Newport News Overfold Company, Newport News, Va. Duplicating statement form for ledger cards. 2,185,662; Jan. 2.
Davis, Clyde O., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ammonium nitrate explosive. 2,185,248; Jan. 2.
Dayton Rubber Manufacturing Company, The. (See Ritzert, Norman J., assignor.)
Dayton Rubber Manufacturing Company, The. (See Rockoff, Joseph, assignor.)
Dean, Albert G. (See Ragsdale, E. J. W., and Dean.)

Dean, Albert G., Narberth; assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Tractor unit. 2,185,974; Jan. 2.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Tractor unit. 2,185,975; Jan. 2.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Underframe. 2,185,976; Jan. 2.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction and assembling the same. 2,185,977; Jan. 2.
De Goencz, Denis, E. C. Tarnuzzer, and A. F. Stockwell, assignors to Arnold Print Works, North Adams, Mass. Producing permanent glaze chintz. 2,185,746; Jan. 2.
De Laval Separator Company, The. (See Strezynski, George J., assignor.)
De Lisle, Harold L., Two Rivers, Wis. Large size vertical filing means. 2,185,763; Jan. 2.
De Nie, Willem L. J. (See Waterman, H. R., and de Nie.)
Denman, Harry B., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Making brake backs. 2,185,333; Jan. 2.
Dennis, Helen R., Chicago, Ill. Sanitary fixture. 2,185,887; Jan. 2.
De Port, Théophile, Dayton, Ohio. Oleo device for landing gears and the like. 2,185,801; Jan. 2.
De Port, Théophile, New Carlisle, Ohio. Oleo device for landing gears and the like. 2,185,802; Jan. 2.
Deshon, George W., Paris, and P. E. M. Amann, Vitry, France, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method of and apparatus for upsetting hollow rivets. 2,185,939; Jan. 2.
Detroit Gasket & Mfg., Co. (See Denman, Harry B., assignor.)
Detroit Gasket & Mfg. Company. (See Balfe, George T., assignor.)
Detroit Harvester Company. (See Floraday, Burton S., assignor.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
De Victoria Pereira, Jose E. C., Lisbon, Portugal. Making relief maps. 2,185,924; Jan. 2.
De Vlieg, Gerard, Rockford, Ill. Rotary cutter. 2,185,187; Jan. 2.
De Walt Products Corporation. (See Knapp, Walter, assignor.)
Dicke, Oscar H., Rochester, N. Y. Clock setting means. 2,185,334; Jan. 2.
Diedrich, Günther, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Elastic fluid power plant. 2,185,803; Jan. 2.
Dieselair Corporation. (See Dressler, Adolph C., assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Heating apparatus. 2,185,978; Jan. 2.
Dinzl, Richard W., Narberth, Pa., assignor to Baldwin-Southwark Corporation. Filling valve. 2,185,402; Jan. 2.
Dixon, John W., Waco, Tex. Tent structure. 2,185,629; Jan. 2.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Snap hook. 2,185,703; Jan. 2.
Donahoe, Ellis E., Dormont, assignor to The Don-Economy Window Company, Pittsburgh, Pa. Window sash. 2,185,888; Jan. 2.
Don-Economy Window Company, The. (See Donahoe, Ellis E., assignor.)
Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company. Sealing-in machine. 2,185,704; Jan. 2.
Dorr Company, The. (See Dorr, J. V. N., Weber, Darby, and Roberts, assignors.)
Dorr, John V. N., New York, and W. C. Weber, Larchmont, N. Y., and G. M. Darby, and E. J. Roberts, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y. Sedimentation process and apparatus. 2,185,785; Jan. 2.
Dow Chemical Company, The. (See Coleman, Gerald H., assignor.)
Dow Chemical Company, The. (See Coleman, G. H., and Moyle, assignors.)
Dow Chemical Company, The. (See Livak, John E., assignor.)
Dow Chemical Company, The. (See Livak, J. E., Coleman, and Moyle, assignors.)
Downey, George T., assignor to Aero Supply Manufacturing Co., Inc., Corry, Pa. Static pressure valve. 2,185,889; Jan. 2.
Drake, Edward P. (See Bird, L. O., and Drake.)
Drake, Harcourt C., Hempstead, and W. M. Perry, assignors to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,185,589; Jan. 2.
Dressler, Adolph C., assignor to Dieselair Corporation, Miami, Okla. Breather system for internal combustion engines. 2,185,501; Jan. 2.
Dudley, John W., Jr., Parkersburg, W. Va. Method of and apparatus for vacuum crystallizing, or vacuum cooling, by forced boiling. 2,185,940; Jan. 2.
Duerr, William H., Caldwell, N. J. Range rod holder. 2,185,838; Jan. 2.
Dumas, Joseph A., Brooklyn, assignor of one-half to R. B. Stoker, Mount Vernon, N. Y. Roasting device. 2,185,979; Jan. 2.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, Allen B., assignor.)
Du Mont, Allen B., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J. Cathautograph. 2,185,705; Jan. 2.
Duncan, John M. (See Porter, F., and Duncan.)
Dunham, C. A., Company. (See Crosthwait, D. N., Jr., and Powell, assignors.)
Dunn, Alfred W., assignor of one-half to F. S. Elam, Rochester, N. Y. Apparatus for making shoes. 2,185,941; Jan. 2.
Dunningcolor Corporation. (See Harrison, William H. and E. C., assignors.)
Du Pont, E. I., de Nemours & Company. (See Allen, Albert S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Burrows, L. A., and Lawson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Davis, Clyde O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Duraemetallic Corporation. (See Wiessner, Christopher E., assignor.)
Durion Company, The. (See Parsons, James A., Jr., assignor.)
Durst, Norman H., Moundridge, Kans. Erasing device. 2,185,432; Jan. 2.
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Eastman Kodak Company. (See Keyes, G. H., and Brooker, assignors.)
Eaton Manufacturing Company. (See Voorhies, Carl and H. E., assignors.)
Eaton, Milton, Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Regulating electric steam generators. 2,185,786; Jan. 2.
Eckler, Thomas E., assignor of one-half to W. Convey, Fort Madison, Iowa. Automobile license plate holder. 2,185,787; Jan. 2.
Edgar Brothers Company. (See Lane, George J., assignor.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Making hobs. 2,185,839; Jan. 2.
Edwards, O. M., Company, The. (See Chaffee, Edward F., assignor.)
Egan, Mathew M., Fort Worth, Tex. Propeller driving mechanism. 2,185,545; Jan. 2.
Ehrhart, Gustav. (See Bockhühl, M., and Ehrhart.)
Elmco Corporation, The. (See Stevens, John W., assignor.)
Elam, Frederick S. (See Dunn, Alfred W., assignor.)
Electric & Musical Industries, Limited. (See Blumlein, Alan D., assignor.)
Electric & Musical Industries Limited. (See McGee, J. D., Freeman, and Brown, assignors.)
Electrical & Musical Industries Limited. (See White, Eric L. C., assignor.)
Electric & Musical Industries Limited. (See Lubszynski, H. G., and Miller, assignors.)
Ellenberger, Clarence M., Pendleton, Ind. Jack. 2,185,804; Jan. 2.
Elliott, Morris A., Baltimore, Md. Adapter coupling. 2,185,725; Jan. 2.
Elliott, Morris A., Baltimore, Md. Adapter coupling. 2,185,726; Jan. 2.
Ellis, Frederick E. (See Anthes, L. L., Ellis, and Pallister.)
Emerson Electric Mfg. Co., The. (See Janca, Joseph J., assignor.)
Emmons, Elias S., Fort Worth, Tex., assignor to P. B. Barnett and J. E. Ashenfelder. Hydraulic pump. 2,185,727; Jan. 2.
Emulsol Corporation, The. (See Cahn, Frank J., assignor.)
Emulsol Corporation, The. (See Cahn, F. J., and Katzman, assignors.)
Engels, William H. (See Weijlard, J., and Engels.)
Enterprise Aluminum Company, The. (See Krause, R. F., and Sill, assignors.)
Entwisle & Kenyon Limited. (See Redfearn, John P., assignor.)
Epstein, David W. (See Maloff, I. G., Epstein, and Wendt.)
Epstein, David W., Merchantville, N. J., assignor to Radio Corporation of America. Cathode ray tube. 2,185,590; Jan. 2.
Eulenstein, Fritz, Cologne-on-the-Rhine, and A. Krus, Sturzelberg, assignors to Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany. Direct batch process for the production of iron and steel. 2,185,911; Jan. 2.
Evans, Morris E. B. (See Quick, C. G. Skinner, and Evans.)
Farmer, Richard O. (See Strang, E. S., Farmer, and Koenig.)
Farnsworth Television & Radio Corporation. (See Bamford, Harry S., assignor.)
Fatland, Conrad, Mount Prospect, Ill. Wringer mop. 2,185,502; Jan. 2.

Fawcett, Thomas H., Philadelphia, and J. C. Maris, Glenholden, Pa. Locomotive. 2,185,403; Jan. 2.
Fay, Ray H., assignor to Aluminum Goods Manufacturing Co., Manitowoc, Wis. Coffee percolator. 2,185,840; Jan. 2.
Fechheimer, Carl J., assignor to The Louis Allis Company, Milwaukee, Wis. Dynamo-electric machine. 2,185,728; Jan. 2.
Feedex Corporation. (See Myers, Don D., assignor.)
Feiner, Jacob S., New York, N. Y. Animated figure clock. 2,185,805; Jan. 2.
Feldman, Fred H., Danville, Ill. Loose leaf binder. 2,185,404; Jan. 2.
Fenn, Thomas L., Newton, and W. J. Turenne, Ashland, Mass. Switch. 2,185,433; Jan. 2.
Fernsh Aktiengesellschaft. (See Hinderer, Heinrich, assignor.)
Ferrigno, Cataldo P., Brooklyn, N. Y. Changeable sign. 2,185,249; Jan. 2.
Ferry, John T., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,185,841; Jan. 2.
Ferry-Morse Seed Company. (See Carpenter, James R., assignor.)
Finch, William G. H., Spuyten Duyvill, N. Y. Color picture transmission system. 2,185,806; Jan. 2.
Firth, Lewis G. (See Welch, E. B., and Firth.)
Firth-Sterling Steel Company. (See Welch, E. B., and Firth. assignors.)
Fischer, Albert C., Chicago, Ill. Structural member. 2,185,335; Jan. 2.
Fladmark, Thor, Aalesund, Norway. Nautical course corrector. 2,185,912; Jan. 2.
Flanigan, John J., Oak Park, Ill., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 2,185,188; Jan. 2.
Flemming, Walter, Ludwigshafen-on-the-Rhine, and W. Baumeister, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Conversion of olefins into valuable higher molecular products. 2,185,405; Jan. 2.
Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Digester apparatus. 2,185,962; Jan. 2.
Flogaus, Howard A., Lansing, Mich., assignor to Reo Motor Car Company. Motor vehicle. 2,185,842; Jan. 2.
Flood, William E. (See Thompson, W. R., and Flood.)
Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Door handle mounting. 2,185,295; Jan. 2.
Fluker, Robert H. See Carr, A. B., and Fluker.)
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Indexing attachment for grinding machines. 2,185,546; Jan. 2.
Force, William A., III. (See Muller, William F., assignor.)
Forman, George J., Montville, Conn. Paper making machine. 2,185,913; Jan. 2.
Fortune, James C., assignor to Reed Roller Bit Company, Houston, Tex. Back pressure valve. 2,185,173; Jan. 2.
Fowler, John, Long Beach, Calif. Dog toy. 2,185,547; Jan. 2.
Frank, Charles W., Harrisonburg, Va. Table service. 2,185,942; Jan. 2.
Frank, Frederick C., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,185,250; Jan. 2.
Frantz, Paul E. (See McCabe, J. J., and Frantz.)
Fraser, Warren F., Westboro, Mass. Watchmaker's poising tool. 2,185,843; Jan. 2.
Fredlund, August R., Santa Barbara, Calif. Fireplace. 2,185,788; Jan. 2.
Freeman, George S. P. (See McGee, J. D., Freeman, and Brown.)
Friday, James D., Cherryville, N. C. Yarn tension device. 2,185,890; Jan. 2.
Fridlund, Reynold J., Detroit, Mich. Slide rest mechanism. 2,185,630; Jan. 2.
Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,185,729; Jan. 2.
Fryer, Arthur L., Laguna Beach, Calif. Friction catch. 2,185,503; Jan. 2.
Fyske, Mitchell L. (See Bager, W. M., Fyske, and Mork.)
Gabor, Dennis, and L. Rushforth, Rugby, England, assignors to General Electric Company. Cathode ray tube. 2,185,807; Jan. 2.
Gagen, Thomas H., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Locking box. 2,185,764; Jan. 2.
Gahm, Frank, Pasadena, Calif. Transmission for invalid beds. 2,185,296; Jan. 2.
Gano, Orville, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J. Steam cooker. 2,185,372; Jan. 2.
Garfield Manufacturing Company. (See Pellerano, Silvio, assignor.)
Garner, Lloyd P. (See Tykociner, J. T., Kunz, and Garner.)
Garnett, Stanley I., Providence, R. I., assignor to American Cyanamid Company, New York, N. Y. Desizing. 2,185,548; Jan. 2.
Gasoline Products Company. (See Nofsinger, C. W., and Shaw, assignors.)
Gasoline Products Company, et al. (See Keith, P. C., Jr., and Roberts, assignors.)
Gastrich, Gustav, Wyomissing, and H. E. Haehnel, West Reading, Assignors to Textile Machine Works, Wyomissing, Pa. Producing knitted elastic fabrics. 2,185,844; Jan. 2.
Gaul, Max, Eppstein, assignor of one-half to M. Goldschmidt, Frankfort-on-the-Main, Germany. Thermostat. 2,185,914; Jan. 2.
Gault, Henry, Paris, France. Generating a combustible gas mixture. 2,185,549; Jan. 2.
Gedde, Andrew A. (See Kenney, M. W., and Gedde.)
Gemberling, Cameron H. (See Altgelt, R. J., and Gemberling.)
Gemex Company. (See Prestinari, Eugen, assignor.)
General Aniline Works, Inc. (See Corell, M., Vollmann, and Becker, assignors.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Bedford, Burncie D., assignor.)
General Electric Company. (See Camilli, Guglielmo, assignor.)
General Electric Company. (See Charlton, Ernest E., assignor.)
General Electric Company. (See Diedrich, Günther, assignor.)
General Electric Company. (See Donovan, J. F., and Malloy, assignors.)
General Electric Company. (See Gabor, D., and Rushforth, assignors.)
General Electric Company. (See Klopprogge, Martin, assignor.)
General Electric Company. (See Larrecq, Anthony J., assignor.)
General Electric Company. (See McLachlan, W. J., and Birchard, assignors.)
General Electric Company. (See McNairy, Jacob W., assignor.)
General Electric Company. (See Schmidt, August, Jr., assignor.)
General Electric Company. (See Skinner, Charles K., assignor.)
General Electric Company. (See Starr, Frank M., assignor.)
General Electric Company. (See Walle, Ludwig S., assignor.)
General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)
General Motors Corporation. (See Newill, Edward B., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Schweller, Edmund F., assignor.)
General Tire & Rubber Company, The. (See McCoy, William C., assignor.)
George, Roscoe H., West Lafayette, Ind., assignor to Radio Corporation of America. Oscillograph apparatus. 2,185,373; Jan. 2.
Gerardi, Gennard V., Boston, Mass. Radio receiving system. 2,185,336; Jan. 2.
Gerdes, August G., Clinton, Iowa. Automobile repair tool. 2,185,550; Jan. 2.
Germeshausen, Kenneth J., Cambridge, Mass. Gaseous discharge tube. 2,185,189; Jan. 2.
Gihon, Harry D., III, Trenton, N. J. Golf bag. 2,185,706; Jan. 2.
Gilliasso, Louis, New Orleans, La., assignor to The Texas Company, New York, N. Y. Floating breakwater. 2,185,458; Jan. 2.
Gilmore, George J., Chicago, Ill. Strap fastener. 2,185,891; Jan. 2.
Ginder, William H., Haddonfield, N. J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Retractable support for flatirons. 2,185,915; Jan. 2.
Glasner, Rudolph W., and E. K. Johansen, Chicago, Ill.; said Johansen assignor to said Glasner. Safety locking mechanism for presses and the like. 2,185,551; Jan. 2.
Glidden Company, The. (See Ingraham, D. C., and Wong, assignors.)
Gloor, Walter E., Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del. Organic esters and their production. 2,185,297; Jan. 2.
Goebel, George. (See McManus, C. E., Stewart, and Goebel.)
Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,185,434; Jan. 2.
Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,185,435; Jan. 2.
Goff, Lionel E. (See Sheldon, L. M., Goff, Herzog, and Olsen.)
Goldberg, Max, New York, N. Y. Apparatus for sewing mattresses. 2,185,251; Jan. 2.
Goldschmidt, Max. (See Gaul, Max, assignor.)
Goodenough, Ernest F. (See Myers, L. M., and Goodenough.)
Gorbea, Adolfo I. (See Gorbea, Juan I. and A. I.)
Gorbea, Juan I. and A. I., San Juan, P. R. Doll. 2,185,190; Jan. 2.
Gordon, William S., Jr., North Tonawanda, assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Thermostatic device. 2,185,436; Jan. 2.

Gould, David F., Riverton, N. J., assignor to The Barrett Company, New York, N. Y. Refining hydrocarbon oils. 2,185,406; Jan. 2.
Government of the United States, as represented by the Secretary of the Interior. (See Ralston, Oliver C., assignor.)
Grandone, Guiseppe, New York, N. Y. Safety clothes and wash line. 2,185,845; Jan. 2.
Grant, James L. (See Balch, R. H., Campbell, and Grant.)
Gray, Chester E., Oakland, and D. D. Peebles, Berkeley, Calif. Method of and apparatus for filling containers. 2,185,191; Jan. 2.
Gray, William. (See Hall, Floyd N., assignor.)
Green, George E., Plainview, Tex. Machine for slitting well casings and the like. 2,185,337; Jan. 2.
Greenstreet, Oliver P., San Diego, and T. C. Hall, La Mesa, Calif. Method and solution for preventing freezing of plants. 2,185,663; Jan. 2.
Grennon, Eugene G., Wyandotte, Mich. Checking and measuring device. 2,185,808; Jan. 2.
Griffin, Ira L., Charlotte, N. C. Treating yarn. 2,185,747; Jan. 2.
Grilli, John P. (See Mohr, A., Jr., Wille, and Grilli.)
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle transmission. 2,185,730; Jan. 2.
Groetschel, Karl M., Bochum, and H. Toussaint, Berlin-Lankwitz, Germany. Wall structural unit. 2,185,916; Jan. 2.
Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Notching machine. 2,185,437; Jan. 2.
Grumbacher, M. (See Binon, Georges.)
Grumbacher, Walter, et al. (See Binon, Georges, assignor.)
Grumbacher, Walter J., et al. (See Binon, Georges, assignor.)
Grunig, Bernhard C., assignor to A. B. T. Manufacturing Company, Chicago, Ill. Coin chute. 2,185,980; Jan. 2.
Guthrie, George G., Tulsa, Okla. Automatic pressure release. 2,185,461; Jan. 2.
Hackley, Stephen P., Stratford, assignor to The Bridgeport Rolling Mills Company, Bridgeport, Conn. Alloy. 2,185,809; Jan. 2.
Hacmac, Edward R., Hollywood, Calif., assignor to Na-Mac Products Company. Beater and mixer. 2,185,846; Jan. 2.
Haehnel, Herbert E. (See Gastrich, G., and Haehnel, assignors.)
Hall, Edward H., Chicago, Ill. Safety guard for die presses. 2,185,298; Jan. 2.
Hall, Floyd N., assignor to W. Gray, St. Louis, Mo. Shoe stretcher. 2,185,765; Jan. 2.
Hall, Herbert C. (See Todd, E. T., and Hall.)
Hall, Thomas C. (See Greenstreet, O. P., and Hall.)
Haller, Cyrus W., Marblehead, assignor to Hygrade Sylvania Corporation, Salem, Mass. Contactor base for electric lamps, tubes, and the like. 2,185,981; Jan. 2.
Ham, Charles H., Darlington, S. C. Fireplace boiler. 2,185,665; Jan. 2.
Hamann, William, Irondequoit, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Edge setting machine. 2,185,504; Jan. 2.
Hanhart, Walter. (See Straub, F., Hanhart, and Anderau.)
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Keying system. 2,185,192; Jan. 2.
Hanson, Malcolm P., Hyattsville, Md. Electric terminal connection. 2,185,193; Jan. 2.
Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Fuel pulverizing apparatus. 2,185,459; Jan. 2.
Hargis, Jane D., Chicago, Ill. Garment bag. 2,185,688; Jan. 2.
Harris, Clarence P., New York, N. Y. Metallic powder aggregate. 2,185,194; Jan. 2.
Harris, Robert C., Fort Wayne, Ind. Electric generator. 2,185,460; Jan. 2.
Harrison, Dolly V. (See Harrison, William H. and E. C.)
Harrison, Edward C. (See Harrison, William H. and E. C.)
Harrison, William H., and E. C. Harrison; D. V. Harrison, owner of the entire right of said E. C. Harrison, deceased, by decree of court, assignors, by mesne assignments, to Dunningcolor Corporation, Los Angeles, Calif. Photographic apparatus and method. 2,185,847; Jan. 2.
Harry, Robert J., Alliance, Ohio, assignor to The Alliance Machine Company. Journal bearing. 2,185,664; Jan. 2.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Curing and packaging building material. 2,185,195; Jan. 2.
Hartridge, Leslie, Ponders End, England. Apparatus for testing the output of pumps. 2,185,943; Jan. 2.
Harvey, Herbert, Los Angeles, Calif. Stay binding strap. 2,185,505; Jan. 2.
Harwood, James. (See Ralston, A. W., Pool, and Harwood.)
Hasbrouch, John S. (See Beardsley, G. E., Jr., and Hasbrouch.)
Haskell, David I., Augusta, Maine. Shoe manufacture. 2,185,993; Jan. 2.
Haskell, David I., Augusta, Maine. Shoe manufacture. 2,185,994; Jan. 2.
Haskell, David I., Augusta, Maine. Shoe manufacture. 2,185,995; Jan. 2.
Hassert, Charles E., assignor of one-half to W. J. Schneider, Cincinnati, Ohio. Combined sliding and swinging window. 2,185,982; Jan. 2.
Hassler, Ernest C., assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Fluid handling apparatus. 2,185,338; Jan. 2.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazeltine Corporation of America. (See Wheeler, Harold A., assignor.)
Heath, Frederick, assignor to The Heath Unit Tile Company, Tacoma, Wash. Hollow block masonry construction. 2,185,196; Jan. 2.
Heath Unit Tile Company, The. (See Heath, Frederick, assignor.)
Hecox, Clarence W., Arlington, Va. Weed puller. 2,185,552; Jan. 2.
Heidenthal, Warren C., Middletown, assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y. Rail lubricator. 2,185,810; Jan. 2.
Heinrich, George C., assignor to Manning, Bowman & Co., Meriden, Conn. Automatic electric heating iron. 2,185,197; Jan. 2.
Heinze Development Company. (See Heinze, John O., assignor.)
Heinze, John O., assignor to Heinze Development Company, Detroit, Mich. Intermittent lubricating device. 2,185,631; Jan. 2.
Heise, William H. (See Schurch, Jacob H., assignor.)
Hendler, John J., Burlington, N. J. Cake pressing and molding machine. 2,185,174; Jan. 2.
Hendwell Burner Corporation. (See Caldwell, Henry C., assignor.)
Heraty, James E., La Crosse, Wis. Cigarette package and match holder. 2,185,299; Jan. 2.
Hercules Powder Company. (See Gloor, Walter E., assignor.)
Herman, Paul A., New York, N. Y. Automobile headlight. 2,185,438; Jan. 2.
Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler therefor. 2,185,892; Jan. 2.
Herr Manufacturing Company. (See Herr, Harvey E., assignor.)
Herzog, Milton L. (See Sheldon, L. M., Goff, Herzog, and Olsen.)
Heyman, Nathan, assignor to Oscar Heyman & Brothers, Inc., New York, N. Y. Sealing ring. 2,185,811; Jan. 2.
Heyman, Oscar, & Brothers, Inc. (See Heyman, Nathan, assignor.)
Hibbert, Harold M. (See McVeigh, W. B., and Hibbert.)
Hickling, Fred O., Nottingham, assignor to Ransome and Marles Bearing Company Limited, Newark-on-Trent, England. Antifriction bearing. 2,185,339; Jan. 2.
Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraphone. 2,185,300; Jan. 2.
Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 2,185,374; Jan. 2.
Higby, Kenneth W., Englewood, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Printing press cylinder. 2,185,766; Jan. 2.
Hill, Arthur D., Jr., Los Angeles, Calif. Fishing gear. 2,185,666; Jan. 2.
Hill, Louis J., Madison, Ind. Fastener. 2,185,553; Jan. 2.
Hill, Wilfred B., Runcorn, and B. P. Ridge, Latchford, Warrington, England, assignors to Imperial Chemical Industries Limited. Bleaching surfaces without immersion. 2,185,632; Jan. 2.
Hinde & Dauch Paper Company, The. (See Gagen, Thomas H., assignor.)
Hinderer, Heinrich, Berlin Zehlendorf, assignor to the firm Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany. Optionally altering the afterglow period of phosphorescent screens. 2,185,439; Jan. 2.
Hines, Clarence F., Mount Airy, N. C. Compressor brake for trailers. 2,185,667; Jan. 2.
Hirth, Hellmuth, assignor to Hirth-Motoren G. m. b. H., Stuttgart-Zuffenhausen, Germany. Engine cylinder mounting. 2,185,848; Jan. 2.
Hirth-Motoren G. m. b. H. (See Hirth, Hellmuth, assignor.)
Hoe, R., & Co. (See Keller, George M., assignor.)
Hoe, R., & Co. Inc. (See Quick, C. G., Skinner, and Evans, assignors.)
Hoeffelman, Johan M. (See van Peski, A. J., and Hoeffelman.)
Holmes, Willis G., Penbroke, Mass. Fire-detecting cable. 2,185,944; Jan. 2.
Holophane Company. (See Noe, Harold C., assignor.)
Holton, Frank, & Co. (See Loar, Lloyd A., assignor.)
Homrighous, John H., Oak Park, Ill. Cigarette and cigar extinguishing device. 2,185,462; Jan. 2.
Horsley, Edward C., London, England. Sighting apparatus for use on aircraft. 2,185,633; Jan. 2.
Hotchkiss, E. H., Company, The. (See Peterson, R. E., and Larsen, assignors.)
Howard, Norman. (See Muskat, I. E., and Howard.)

Howard, Wayne A., Whittier, and T. C. Smith, Huntington Park, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Fabricating lined vessels. 2,185,463; Jan. 2.

Howe, Charles S., Pasadena, Calif, assignor to Industrial Developments Incorporated, Los Angeles, Calif. Ductility testing apparatus. 2,185,340; Jan. 2.

Howell Company, The. (See Bower, Byron F., assignor.)

Howell, Hugh A., Berwyn, assignor to F. Raffles, Chicago, Ill. Alumino-thermic mix for making permanent magnets. 2,185,464; Jan. 2.

Howell, Kenneth B., Milwaukee, Wis. Boiler feed water control system. 2,185,893; Jan. 2.

Hoyer, Hans. (See Kneding, G., and Hoyer.)

Hubbard, William E., assignor to Hydraulic Pumper Incorporated, Tulsa, Okla. Split crank bearing. 2,185,917; Jan. 2.

Hubbell, Bert D., Los Angeles, Calif., assignor to Spring Clutch Control, Inc., Bellingham, Wash. Transmission mechanism. 2,185,731; Jan. 2.

Huber, Richard. (See Wolman, K., and Huber.)

Huelsdonk, Lewis L., Forest, Calif. Automatic circuit breaker for stop lights. 2,185,732; Jan. 2.

Huggins, Leroy G., Mahsfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,185,198; Hultgren, Axel G. E., Djursholm, Sweden. Producing malleable iron. 2,185,894; Jan. 2.

Humeston, Frederick L., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Switch. 2,185,849; Jan. 2.

Humoco Corporation. (See Moore, George A., assignor.)

Humphner, Ferdinand W., Oak Park, Ill., assignor to Mid-States Gummed Paper Co. Decalcomania. 2,185,983; Jan. 2.

Hunna, Emerich. (See Lilienfeld, Leon.)

Hurdle, Bonard S., Chincoteague, Va. Fish lure. 2,185,668; Jan. 2.

Hutchinson, Uriah, New York, N. Y. Electrically controlled selective display apparatus. 2,185,895; Jan. 2.

Hydraulic Pumper Incorporated. (See Hubbard, William E., assignor.)

Hygrade Sylvania Corporation. (See Haller, Cyrus W., assignor.)

Hymers, Cuthbert E. (See Borland, A., Hymers, and Spencer.)

I. G. Farbenindustrie Aktiengesellschaft. (See Brodersen, K., Quaedvlieg, Zabel, and Schneider, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Flemming, W., and Baumeister, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Jacqué, Heinrich, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Kuespert, assignors.)

Imperial Chemical Industries Limited. (See Hill, W. B., and Ridge, assignors.)

Industrial Developments Incorporated. (See Charles S., assignor.)

Ingersoll Milling Machine Companyn, The. (See Weddell, Ralph R., assignor.)

Ingersoll-Rand Company. (See Allen, Roy O., assignor.)

Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)

Ingraham, Dean C., Kensington Park, and W. Wong, Berkeley, Calif, assignors to The Glidden Company, Cleveland, Ohio. Preparing salad dressing. 2,185,465; Jan. 2.

Injection Moulding Corp. (See Whyte, Daniel D., assignor.)

Institute of American Meat Packers. (See Regensburger, Richard W., assignor.)

International Business Machines Corporation. (See Blakely, Robert T., assignor.)

International Business Machines Corporation. (See Paris, Robert E., assignor.)

International Business Machines Corporation. (See Tomkinson, Charles H., assignor.)

International Business Machines Corporation. (See Wood, Norman M., assignor.)

International Harvester Company. (See Young, Stephen M., assignor.)

International Nickel Company, The. (See Brown, Herman M., assignor.)

Internationaler Moratti Maschinenverkauf A. G. (See Schwichtenberg, Otto, assignor.)

Irvine, Milton H., assignor of one-third to F. R. Paulson, Los Angeles, and one-third to S. D. March, San Pedro, Calif. Paving. 2,185,341; Jan. 2.

Isenhour, John H., Salisbury, N. C. Tile. 2,185,669; Jan. 2.

Jackson, Corwill, Ludington, Mich. Portable form vibrator. 2,185,850; Jan. 2.

Jacobs, E. H., Manufacturing Company. (See Clark, Breckinridge T., assignor.)

Jacobs, Henry A., and H. M. Armistead, San Francisco, Calif.; said Armistead assignor to said Jacobs. Cultivator for vineyards. 2,185,634; Jan. 2.

Jacobs, Rex C., Detroit, Mich. Seat track and riser. 2,185,301; Jan. 2.

Jacqué, Heinrich, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Thread and fiber of organic thermoplastic materials and producing the same. 2,185,789; Jan. 2.

Jaeger Machine Company, The. (See Mosel, Joseph H., assignor.)

James Manufacturing Company. (See Waterman, A. E., and Kreutzer, assignors.)

Janca, Joseph J., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Motor support. 2,185,375; Jan. 2.

Janette, John T., Kenilworth, Ill. Seal for shafts. 2,185,554; Jan. 2.

Jan Saal, Reyerus N. (See Buchel, J. A., and Jan Saal.)

Jayne, David W., Jr., Port Chester, assignor to American Cyanamid Company, New York, N. Y. Dispersible thiocarbanilide. 2,185,591; Jan. 2.

Jefferies, Ernest S., Marion, Mass. Measuring and integrating device. 2,185,767; Jan. 2.

Jenkins Petroleum Process Company. (See McGee, Thomas L., assignor.)

Jensen, Herbert R., Minneapolis, Minn. Map. 2,185,689; Jan. 2.

Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Sealing device. 2,185,812; Jan. 2.

Johansen, Einar K. (See Glasner, R. W., and Johansen.)

Johns-Manville Corporation. (See Shipway, G. E., and Steuber, assignors.)

Johnson Brothers Engineering Corporation. (See Johnson, Clarence L., assignor.)

Johnson, Clarence L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Internal combustion engine. 2,185,506; Jan. 2.

Johnson, John A., Los Angeles, Calif. Hull construction of a boat. 2,185,555; Jan. 2.

Johnson, Lawrence R., assignor to The Chandler & Price Company, Cleveland, Ohio. Platen printing press. 2,185,440; Jan. 2.

Johnson, Linus, New York, N. Y. Extendible footrest for easy chairs. 2,185,813; Jan. 2.

Johnson, Myron A. C., Newark, N. J. Game. 2,185,556; Jan. 2.

Johnstone, Warren W., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oil distillates for the removal of mercaptans. 2,185,768; Jan. 2.

Jones, Charles R., Rossville, Ga. Dispensing receptacle. 2,185,896; Jan. 2.

Jones, Mary, et al. (See Nash, William C., assignor.)

Jordan, John F. (See Kock, W. E., and Jordan.)

Jordan, Stroud, Brooklyn, N. Y. Making a viscosity lowering condensation product from higher fatty acids and esters thereof. 2,185,592; Jan. 2.

Jostes, Bernard J., St. Louis, Mo. Umbrella. 2,185,466; Jan. 2.

Jureczki, Casimir F., Bandera, Tex. Pelt stretching apparatus. 2,185,441; Jan. 2.

K-D Manufacturing Company. (See Kulp, Harry W., assignor.)

Kaeding, George, Astoria, and H. Hoyer, Ozone Park, N. Y. Wrapping machine. 2,185,593; Jan. 2.

Kahn, Alfred, Ozone Park, N. Y., assignor to Radio Corporation of America. Keying system. 2,185,199; Jan. 2.

Kallo, Inc. (See Mamrol, Peter J., assignor.)

Kalusdian, Varton M. (See MacMahon, J. D., Taylor, and Kalusdian.)

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Picture transmission system. 2,185,302; Jan. 2.

Katzman, Morris B. (See Cahn, F. J., and Katzman.)

Kaufman, Alfonse, Long Beach, assignor to Biolite Incorporated, New York, N. Y. Process and apparatus for producing indicia tubes for display devices. 2,185,733; Jan. 2.

Kawneer Company, The. (See Peterson, Victor E., assignor.)

Kaye, Milton S., Dorchester, Mass. Ventilated cap. 2,185,670; Jan. 2.

Kearney, James R., Corporation. (See Froland, Olav, assignor.)

Kebelman, Frank L., Rockville Centre, assignor to Otis Elevator Company, New York, N. Y. Elevator system. 2,185,748; Jan. 2.

Keith, Percival C., Jr., Peapack, N. J., and J. K. Roberts, Flossmoor, assignors of one-half to Standard Oil Company, Chicago, Ill., and one-half to Gasoline Products Company, Inc., Jersey City, N. J. Cracking of hydrocarbon oils. 2,185,200; Jan. 2.

Kelch Heater Company. (See Caldwell, Stuart H., assignor.)

Keller, George M., Rochester, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking a printing form. 2,185,342; Jan. 2.

Kellogg, Edward W., Moorestown, N. J., and D. O. Landis, Upper Darby, Pa., assignors to Radio Corporation of America. Device for viewing photographic film. 2,185,252; Jan. 2.

Kellogg, M. W., Company, The. (See Robert, George, Jr., assignor.)

Kellogg Switchboard and Supply Company. (See Robison, Daniel B., assignor.)

Kelsey-Hayes Wheel Company. (See Baisch, Carl F., assignor.)

Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)

Kennedy, Robert C., Oakland, Calif. Reinforcing concrete. 2,185,749; Jan. 2.

Kenney, Mahlon W., Oak Park, and A. A. Gedde, Chicago, Ill. Selectively operable automatic adjusting means. 2,185,407; Jan. 2.

Kettenbach, Oscar L., Tucson, Ariz., assignor to Chemical Seed Treating and Delinting Corporation. Seed treating machine. 2,185,408; Jan. 2.

Keyes, Grafton H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes and preparing them. 2,185,343; Jan. 2.

Keystone Drum Company. (See Brown, Charles J., assignor.)

Kiessling, Max and M. J., Waterbury, Conn. Separable fastener attachment machine. 2,185,769; Jan. 2.

Kiessling, Max J. (See Kiessling, Max and M. J.)

Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Control apparatus for the regulation of pressure. 2,185,671; Jan. 2.

Kimmel, Carl, Rockford, Ohio. Raking and lifting attachment for a tractor. 2,185,409; Jan. 2.

Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,185,851; Jan. 2.

Kinley, Myron M., Houston, Tex. Wire line shooting tool. 2,185,303; Jan. 2.

Kittel, Georg P., Englewood, N. J. Immersion heater for bituminous materials and the like. 2,185,594; Jan. 2.

Klein, Irving, assignor, by mesne assignments, to Patent Novelties Inc., New York, N. Y. Garment hanger. 2,185,253; Jan. 2.

Kleinschmidt, Robert V., Stoneham, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Distillation method and apparatus. 2,185,595; Jan. 2.

Kleinschmidt, Robert V., Stoneham, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Method of and appaartus for distillation. 2,185,596; Jan. 2.

Klemschofski, Karl, Little Ferry, and P. Vrana, West New York, N. J. Machine for the manufacture of porous pipe. 2,185,597; Jan. 2.

Kliesrath, Victor W., assignor to Bendix Products Corporation, South Bend, Ind. Internal combustion engine. 2,185,254; Jan. 2.

Kloprogge, Martin, Berlin-Zehlendorf, Germany, assignor to General Electric Company. Discharge device. 2,185,852; Jan. 2.

Knapp, Walter, Manheim Township, Lancaster County, assignor to De Walt Products Corporation, Lancaster, Pa. Reciprocatory carriage structure. 2,185,304; Jan. 2.

Knapp, William G., assignor to Tri-Tix, Incorporated, Evanston, Ill. Fishhook guard. 2,185,507; Jan. 2.

Knight, Albert B., Fairmont, W. Va. Grinding apparatus. 2,185,344; Jan. 2.

Knoess, George D., New York, N. Y. Interchangeable identification pull device for slide fasteners. 2,185,853; Jan. 2.

Koch, Franz, Essen, Germany. Precombustion chamber for Diesel engines. 2,185,918; Jan. 2.

Kock, Winston E., and J. F. Jordan, assignors to The Baldwin Company, Cincinnati, Ohio. Frequency divider. 2,185,635; Jan. 2.

Koenig, Edward H. (See Strang, E. S., Farmer, and Koenig.)

Kolasinski, Vincent. (See Brangle, E., and Kolasinski.)

Kosatka, Thomas O., Cicero, and J. A. Antonelli, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Double wipe fluid seal. 2,185,790; Jan. 2.

Koser, Leon W., Winnipeg, Manitoba, Canada. Elevator bucket. 2,185,537; Jan. 2.

Kranz, Frederick H., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Production of benzylidene-aniline compounds. 2,185,854; Jan. 2.

Kraus, Clinton, Keansburg, and V. C. Lufft, Elizabeth, N. J., assignors to American Can Company, New York, N. Y. Liquid filling machine. 2,185,201; Jan. 2.

Krause, Richard F., and G. G. Sill, assignors to The Enterprise Aluminum Company, Massillon, Ohio. Lock lid strainer saucepan. 2,185,897; Jan. 2.

Krauss, Adolph F., River Forest, Ill., assignor to The Richardson Company, Lockland, Ohio. Making a dispersing mechanism. 2,185,442; Jan. 2.

Kreutz, Paul H., Berlin, Germany. Steel band measure. 2,185,443; Jan. 2.

Kreutzer, Frederick J. (See Waterman, A. E., and Kreutzer.)

Kritchevsky, Wolf, assignor to Rit Products Corporation, Chicago, Ill. Hair dyeing composition and method. 2,185,467; Jan. 2.

Krogh, Peter O., assignor to Superior Body Company, Lima, Ohio. Automobile body roof frame structure. 2,185,345; Jan. 2.

Kroll, Marjorie. (See Kroll, Philip J., assignor.)

Kroll, Philip J., Houston, Tex., assignor to M. Kroll, Cambridge, Mass. Vehicle rocking apparatus. 2,185,791; Jan. 2.

Kröper, Hugo, Hamburg, and E. Thomae, Stuttgart, assignors to the firm Chemische Fabrik Promonta G. m. b. H., Hamburg, Germany. Saponaceous shaving composition. 2,185,255; Jan. 2.

Krus, Adolf. (See Eulenstein, F., and Krus.)

Kuespert, Karlhugo. (See Ulrich, H., and Kuespert.)

Kuhlman, Leo G., Covington, Ky. Calculating device. 2,185,202; Jan. 2.

Kuhn, Clarence W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control device. 2,185,814; Jan. 2.

Kulp, Harry W., assignor to K-D Manufacturing Company, Lancaster, Pa. Keeper inserter. 2,185,346; Jan. 2.

Kunz, Jakob. (See Tykociner, J. T., Kunz, and Garner.)

Kunze, Albert J., Cleveland, Ohio. Apparatus for making dental records. 2,185,508; Jan. 2.

Kurth, Franz J., New York, N. Y. Ventilating device. 2,185,919; Jan. 2.

Kyler, Herman C., assignor of one-half to C. A. Reis, Mogg, Ky. Liquid dripping apparatus. 2,185,444; Jan. 2.

Kysor, Karl D., Northville, Mich. Torque release device for four-wheel drives. 2,185,636; Jan. 2.

Kysor, Walter A., Cadillac, Mich. Car heater. 2,185,855; Jan. 2.

Lackow, Emil, and M. Prozan, Brooklyn, N. Y. Filter grip for cigarette holders. 2,185,598; Jan. 2.

Lacroix, George U., Waltham, Mass. Manifold transfer device. 2,185,815; Jan. 2.

Lake and Elliott Limited. (See Barrett, H. R., and Brookes, assignors.)

Lambach, Fritz, Fairview, assignor to Robert Reiner, Inc., Weehawken, N. J. Tension-regulating device for the draw-off mechanism of full-fashioned knitting machines. 2,185,963; Jan 2.

Lambert, Charles W., Detroit, Mich. Toy. 2,185,509; Jan. 2.

Landis, Daniel O. (See Kellogg, E. W., and Landis.)

Lane, George J., assignor to Edgar Brothers Company, Metuchen, N. J. Instrument for measuring light reflectivity. 2,185,690; Jan. 2.

Langdon, Fred C., Washington, D. C. Journal box lubricator. 2,185,792; Jan. 2.

Langedijk, Siegfried L. (See Coltof, W., and Langedijk.)

Lanoue, Chester A., Albany, N. Y. Headlight. 2,185,203; Jan. 2.

Lanzarone, Ottavio, New York, N. Y. Jack for motor vehicles. 2,185,856; Jan. 2.

Larreeq, Anthony J., Beach Bluff, Mass., assignor to General Electric Company. Heat exchange apparatus. 2,185,964; Jan. 2.

Larsen, Charles F., Brooklyn, assignor to G. McCornick, New York, N. Y. Gas lighter. 2,185,204; Jan. 2.

Larsen, Howard M. (See Peterson, R. E., and Larsen.)

Larson, Hilding, Moline, Ill., assignor to Lincoln Locker Corporation, Pocahontas, Iowa. Receptacle. 2,185,770; Jan. 2.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Coupling mechanism. 2,185,256; Jan. 2.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 2,185,257; Jan. 2.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,185,258; Jan. 2.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,185,259; Jan. 2.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,185,260; Jan. 2.

Lautman, Maurice F., deceased, Hot Springs, Ark.; M. E. Lautman, executrix. Appliance for purifying tobacco smoke. 2,185,672; Jan. 2.

Lautman, Minnie E., executrix. (See Lautman, Maurice F.)

Lavere, Carroll K., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Packing member and blank therefor. 2,185,637; Jan. 2.

Lawrence, Benjamin E. (See McCleary, Nolen H., assignor.)

Lawson, Walter E. (See Burrows, L. A., and Lawson.)

Lederer, Ernest A., Essex Fells, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Metal compositions. 2,185,410; Jan. 2.

Lee, Don, Broadcasting System. (See Lubcke, Harry R., assignor.)

Le Gault, Elzear J., Haverhill, assignor to Bestco Shoe Machinery Inc., Ipswich, Mass. Upper roughing machine. 2,185,638; Jan. 2.

Leibing Automotive Devices, Inc. (See Leibing, William E., assignor.)

Leibing, William E., assignor to Leibing Automotive Devices, Inc., Detroit, Mich. Governor. 2,185,793; Jan. 2.

Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming vehicle wheel rims and the like. 2,185,347; Jan 2.

Leupold, Mathias, Jamaica, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,185,261; Jan. 2.

Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Heat transfer process. 2,185,639; Jan. 2.

Lewellen, Darcy E. and E. F., Columbus, Ind. Speed varying mechanism. 2,185,411; Jan. 2.

Lewellen, Emmons F. (See Lewellen, Darcy E. and E. F.)

Lewis, Emma M., et al. (See Lewis, George W., assignor.)

Lewis, George W., assignor of one-half to J. W. Rutledge and one-half to E. M. Lewis, Early, Iowa. Automatic lift for tractor buck rakes. 2,185,794; Jan. 2.

Liebmann, Oscar, Bergenfield, N. J., assignor to Q. O. S. Corporation, New York, N. Y. Coupled range finder. 2,185,377; Jan. 2.
Lilienfeld, Antonette. (See Lilienfeld, Leon.)
Lilienfeld, Leon; P. Abel, executor, or in case of his inability to act, E. Hunna, and A. Lilienfeld, Vienna, Austria, (Germany), sole heir. Treatment of vegetable fibers and artificial threads. 2,185,795; Jan. 2.
Lincoln Locker Corporation. (See Larson, Hilding, assignor.)
Lindeberg, Carl, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Accordion construction. 2,185,984; Jan. 2.
Linebarger, Charles E., assignor to The Chaslyn Company, Chicago, Ill. Hydrometer. 2,185,205; Jan. 2.
Linköpings Armatur-Och Metallfabriks Aktiebolag. (See Schibbye, Lauritz B., assignor.)
Little, Arthur D., Incorporated. (See Kleinschmidt, Robert V., assignor.)
Little, Edward H., assignor of one-half to W. R. Vansant, Ashland, Ky. Apparatus for charring whisky barrels and staves. 2,185,206; Jan. 2.
Livak, John E., assignor to The Dow Chemical Company, Midland, Mich. Thiocyano-alkyl ethers of the cyclohexyl phenols. 2,185,207; Jan. 2.
Livak, John E., G. H. Coleman, and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Thiocyano-alkyl ethers of the phenylphenols. 2,185,208; Jan. 2.
Loar, Lloyd A., assignor to Frank Holton & Co., Elkhorn, Wis. Stringed musical instrument. 2,185,734; Jan. 2.
Lockport Cotton Batting Co. (See Oliver, Ralph R., assignor.)
Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)
Love, Leonard B., New York, N. Y. Method and apparatus for safe collection, delivery, and transportation of valuables. 2,185,209; Jan. 2.
Lovejoy, Arthur W., Lowell, Mass. Folding box. 2,185,510; Jan. 2.
Lowe, Rudy. (See Corydon, J., and Lowe.)
Lubcke, Harry R., assignor to Don Lee Broadcasting System, Los Angeles, Calif. Television apparatus. 2,185,640; Jan. 2.
Lubrication Corporation, The. (See Tear, Harry R., assignor.)
Lubszynski, Hans G., Hillingdon, and H. Miller, Norwood Green, Southall, assignors to Electrical & Musical Industries Limited, Hayes, Middlesex, England. Electro-optical image device. 2,185,857; Jan. 2.
Lufft, Victor C. (See Kraus, C., and Lufft.)
Luft, Peter, assignor of one-fourth to A. Ostlund, Aylsham, Saskatchewan, Canada. Cutting tool. 2,185,673; Jan. 2.
Lund, Frank M., assignor of fifty per cent to A. I. Blanc, Chicago, Ill. Trimming board. 2,185,985; Jan. 2.
Lunsford, Jesse B., Washington, D. C. Electrical conductor. 2,185,558; Jan. 2.
Lupo, Joseph, Jr., Bronx, N. Y. Compound for and process of surface finishing metallic articles. 2,185,262; Jan. 2.
Lyon, George A., Allenhurst, N. J. Ornamental bumper accessory. 2,185,468; Jan. 2.
MacDonald, William N., assignor to G. T. Trumbull, Detroit, Mich. Self-sealing wrapper. 2,185,469; Jan. 2.
MacDonald, William N., and W. Noble, Detroit, Mich. Self-sealing bread wrapper. 2,185,470; Jan. 2.
Maciejko, Alexander J., Turin, N. Y. Attachment for corn harvesters. 2,185,412; Jan. 2.
MacMahon, James D., Niagara Falls, L. D. Taylor, Lewiston, and V. M. Kalusdian, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,185,210; Jan. 2.
Magnesium Development Corporation. (See Wood, Robert T., assignor.)
Mall, Arthur W., Chicago, Ill. Power hammer. 2,185,471; Jan. 2.
Malloy, Frank J. (See Donovan, J. F., and Malloy.)
Maloff, Ioury G., Norristown, Pa., D. W. Epstein, Merchantville, and K. R. Wendt, Audubon, N. J., assignors to Radio Corporation of America. Electron gun for cathode ray tubes. 2,185,378; Jan. 2.
Mamrol, Peter J., Philadelphia, Pa., assignor to Kallo, Inc., New York, N. Y. Reciprocating thread end holder. 2,185,211; Jan. 2.
Mann, Lloyd, Glen View, Ill. Fish lure. 2,185,771; Jan. 2.
Manning, Bowman & Co. (See Heinrich, George C., assignor.)
Mansfield, William E., Garfield Heights, Ohio. Aluminum base alloy. 2,185,348; Jan. 2.
Manufacturers National Bank of Detroit, The. (See Welch, L. W., and Millington, assignors.)
March, Stanley D., et al. (See Irvine, Milton H., assignor.)
Marchand, Adolph, Jackson Heights, N. Y. Curtain and drape mounting and slide operating means. 2,185,305; Jan. 2.
Marion, Harold G., and C. F. Reer, Bay City, Mich. Sectional track and anchoring it. 2,185,691; Jan. 2.
Maris, James C. (See Fawcett, T. H., and Maris.)
Mark, Louis C., Providence, R. I., assignor to New England Glass Works. Locket construction. 2,185,641; Jan. 2.
Marks, Murray J., New York, N. Y. Hat. 2,185,306; Jan. 2.
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim fastener. 2,185,816; Jan. 2.
Martin, Frank B., Moores, Pa., assignor, by mesne assignments, to American Viscose Corporation. Shipping container. 2,185,920; Jan. 2.
Marucco, Joseph P. (See Reedy, H. J., and Marucco.)
Marvelash Co. Inc. (See Sneirson, Amuel L., assignor.)
Marvin, John T. (See Prutton, C. F., and Marvin.)
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Removing gold, silver, palladium, or the like. 2,185,858; Jan. 2.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric apparatus. 2,185,599; Jan. 2.
Massey, Peter J., River Forest, Ill. Coating paper. 2,185,859; Jan. 2.
Masterson, Riley C., Bremerton, Wash. Spout for liquid containers and attaching the same thereto. 2,185,413; Jan. 2.
Mathieson Alkali Works, Inc., The. (See Cunningham, G. L., and Robinson, assignors.)
Mathieson Alkali Works, Inc., The. (See MacMahon, J. D., Taylor, and Kalusdian, assignors.)
Mauersberger, Ernst A., Maarssen, Netherlands, assignor to Alframine Corporation, New York, N. Y. Sulphonated products. 2,185,817; Jan. 2.
Mazer, Alfred, Newark, Ohio. Switch mechanism for direction signals. 2,185,511; Jan. 2.
McAlpine, Malcolm, London, England. Shuttering device for the building of ferroconcrete structures. 2,185,860. Jan. 2.
McCabe, John J., and P. E. Frantz, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Motor mounting. 2,185,215; Jan. 2.
McCleary, Nolan H., assignor to B. E. Lawrence, Chicago, Ill. Heating pad. 2,185,692; Jan. 2.
McClure, Earl L., Milwaukee, Wis., assignor to The Ohio Brass Company, Mansfield, Ohio. Arc protecting device. 2,185,263; Jan. 2.
McComb, James G., Chicago, Ill. Lighting device for use on bicycles and the like. 2,185,600; Jan. 2.
McCornick, George. (See Larsen, Charles F., assignor.)
McCoy, William C., Shaker Heights, assignor to The General Tire & Rubber Company, Akron, Ohio. Clutch. 2,185,986; Jan. 2.
McFadden, Donald E. (See Ragatz, E. G., and McFadden.)
McGee, James D., G. S. P. Freeman, and W. S. Brown, London, assignors to Electric & Musical Industries Limited, Middlesex, England. Electronic image indicating device. 2,185,601; Jan. 2.
McGee, Thomas L., Rosemead, Calif., assignor to Jenkins Petroleum Process Company, Chicago, Ill. Preventing the corrosive action of sulphur-bearing petroleum hydrocarbons. 2,185,380; Jan. 2.
McGill, Ralph J., San Francisco, Calif. Bottle breaker. 2,185,349; Jan. 2.
McHale, Thomas D., Los Angeles, Calif. Strainer. 2,185,512; Jan. 2.
McIlvried, Edwin J. (See Penn, Ralph L. and R. W., and Nye.)
McInnis, Daniel K., and R. B. Aldrich, New Orleans, La. Container. 2,185,796; Jan. 2.
McKinney, Robert S., Chevy Chase, Md., dedicated to the free use of the People of the United States of America. Treating oils. 2,185,414; Jan. 2.
McLachlan, Willard J., Scotia, N. Y., and W. E. Birchard, Pittsfield, Mass., assignors to General Electric Company. Electric circuits. 2,185,707; Jan. 2.
McManimen, Regine A., Merchantville, N. J. Combination lavatory and clothes wringer. 2,185,307; Jan. 2.
McManus, Charles E., Spring Lake, N. J., and R. J. Stewart and G. Goebel, Baltimore, Md., assignors, by mesne assignments, to Crown Can Company, Philadelphia, Pa. Metal container. 2,185,216; Jan. 2.
McMullen, John C., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Mold for refractory cast materials. 2,185,772; Jan. 2.
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Control system. 2,185,861; Jan. 2.
McNaught, Harold D., Vancouver, British Columbia, Canada. Hook. 2,185,921; Jan. 2.
McParlin, Daniel V., Passaic, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Melting pot. 2,185,876; Jan. 2.
McVeigh, William B., and H. M. Hibbert, Spondon, near Derby, England, assignors to Celanese Corporation of America. Warp beam. 2,185,642; Jan. 2.
Meehan, John P., San Marino, Calif. Vehicle license plate. 2,185,945; Jan. 2.
Mehner, Vilma. (See Rostler, F. and Mehner.)
Meitner, Bela, Budapest, Hungary. Sharpening device for razor blades. 2,185,922; Jan. 2.
Merck & Co. Inc. (See Weijlard, J., and Engels, assignors.)
Meredith Publishing Company. (See Albaugh, Lyman P., assignor.)
Mertz, Pierre, Bellrose Manor, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex signaling system. 2,185,693; Jan. 2.
Mestier, Arthur G., Rochester, N. Y. Film feeding mechanism. 2,185,862; Jan. 2.
Metzler, Heinrich, Feldkirch, Voralberg, Austria. Automatic change-speed gear. 2,185,602; Jan. 2.

Meyer, Joseph W., Jr., Winchendon, and A. Ruttiman, Gardner, assignors to The Alaska Freezer Co., Inc., Winchendon, Mass. Ice cream freezer. 2,185,643; Jan. 2.
Meyerricks, George H., Hamburg, Germany. Translucent internally illuminated container. 2,185,708; Jan. 2.
Michael, Guy, Napoleon, Ohio. Beet harvesting machine. 2,185,350; Jan. 2.
Michel, George, assignor to Smithos, Inc., Baltimore, Md. Display sign. 2,185,674; Jan. 2.
Michigan Metalcraft Company. (See Stinson, P. M., and Richards, assignors.)
Middleton, Lewis L., Kansas City, Mo. Cabinet. 2,185,513; Jan. 2.
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Miles, James E., Madison, Ind. Machine for spreading pulverized materials. 2,185,415; Jan. 2.
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, Daniel D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 2,185,603; Jan. 2.
Miller, Harold. (See Lubszynski, H. G., and Miller.)
Miller, Julius, Brooklyn, N. Y. Knob and spindle mechanism for door latches. 2,185,863; Jan. 2.
Miller, Max C., et al. (See Ramsden, Walter, assignor.)
Millington, Alfred F. (See Welch, L. W., and Millington.)
Misch, Kurt. (See Achtel, G., Schilling, and Misch.)
Mistral, Paul H., Paris, France, assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure producing device. 2,185,264; Jan. 2.
Mitchell, Ebb V., Abilene, Tex. Extensible sun visor. 2,185,898; Jan. 2.
Mitchell, Herbert L. and S. G., assignors of fifty per cent to S. G. Mitchell and fifty per cent to C. T. Ingram, High Point, N. C. Box blank creasing and folding machine. 2,185,675; Jan. 2.
Mitchell, Seldon G. (See Mitchell, Herbert L. and S. G.)
Mitchell, Seldon G., et al. (See Mitchell, Herbert L. and S. G., assignors.)
Mock, Frank C., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,185,265; Jan. 2.
Modine Manufacturing Company. (See Munch, H. S., and Boerger, assignors.)
Mohr, Albert, Jr., Chicago, F. Wille, Evanston, and J. P. Grilli, Chicago, Ill. Checkerwork construction for regenerators. 2,185,559; Jan. 2.
Moneta, Alphonse, Geraldton, Ontario, Canada. Firearm cartridge magazine. 2,185,676; Jan. 2.
Moore, David P., Avon Park, Fla. Coating and applying the same to fibrous surfaces. 2,185,217; Jan. 2.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,185,604; Jan. 2.
Morano, James and S. M., Morgantown, W. Va. Mine rail tie and rail securing device. 2,185,946; Jan. 2.
Morano, Sam. (See Morano, James and S.)
Morgan Construction Co. (See Morgan, Myles and W.)
Morgan, Myles and W., assignors to Morgan Construction Co., Worcester, Mass. Wire-drawing machine. 2,185,416; Jan. 2.
Morgan, Weld. (See Morgan, Myles and W.)
Mork, George W. (See Bager, W. M., Fykse, and Mork.)
Morse, Arthur H., Cincinnati, Ohio, and C. Pieper, South Fort Mitchell, Ky., assignors to The Baldwin Company, Cincinnati, Ohio. Piano key and action combination. 2,185,644; Jan. 2.
Morse Chain Company. (See Bremer, Norman C., assignor.)
Mosel, Joseph H., assignor to The Jaeger Machine Company, Columbus, Ohio. Road-building apparatus. 2,185,645; Jan. 2.
Motor Wheel Corporation. (See Van Halteren, Andrew S., assignor.)
Moyle, Clarence L. (See Coleman, G. H., and Moyle.)
Moyle, Clarence L. (See Livak, J. E., Coleman, and Moyle.)
Muller, William F., Brooklyn, assignor to W. A. Force, III, New York, N. Y. Electrical endorsing machine. 2,185,797; Jan. 2.
Munch, Hans S., and M. G. Boerger, assignors to Modine Manufacturing Company, Racine, Wis. Apparatus for straightening and squaring radiator cores. 2,185,381; Jan. 2.
Murphy, John M., Shamokin, and T. A. Burba, Jr., Paxinos, Pa. Package accessory. 2,185,605; Jan. 2.
Murray Corporation of America, The. (See Avery, Clarence W., assignor.)
Muskat, Irving E., Akron, and N. Howard, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of chromium ores. 2,185,218; Jan. 2.
Muskat, Irving E., Akron, and F. C. Trager, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stable urea-chlorine compound and making same. 2,185,864; Jan. 2.
Muskovin, George T., assignor to Norton Company, Worcester, Mass. Indexing attachment for grinding machines. 2,185,560; Jan. 2.
Mussey, William H., Chicago, Ill. Adjustable tie-down. 2,185,514; Jan. 2.
Myers, Charles L., assignor to American Engineering Company, Philadelphia, Pa. Stoker furnace. 2,185,865; Jan. 2.
Myers, Don D., assignor to Feedex Corporation, Toledo, Ohio. Feeding and indexing mechanism for machine tools. 2,185,351; Jan. 2.
Myers, Leonard M., Yorkshire, and E. F. Goodenough, Essex, England, assignors to Radio Corporation of America. Electrically controlled light valve apparatus. 2,185,379; Jan. 2.
Myers, Philip B., Scarsdale, N. Y., and W. W. Cowgill, Fairfield, Conn., assignors to Sardik Incorporated, Jersey City, N. J. Pectin and its manufacture. 2,185,472; Jan. 2.
Naamlooze Vennootschap Inductrieele Maatschappij Voorheen Noury & Van Der Lande. (See Priester, Remmet, assignor.)
Nabenhauer, Fred P., Somerton, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Furfuryl N-morpholine alkyl halide medicinal preparation. 2,185,219; Jan. 2.
Nabenhauer, Fred P., Somerton, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal agent. 2,185,220; Jan. 2.
Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H. (See Rostler, F., and Mehner, assignors.)
Nakken, Theodorus H., assignor to Tri-Mension Films, Inc., New York, N. Y. Three dimensional photograph and motion picture. 2,185,221; Jan. 2.
Na-Mac Products Company. (See Hacmac, Edward R., assignor.)
Nash-Kelvinator Corporation. (See Wahlberg, Nils E., assignor.)
Nash, Marie D., et al. (See Nash, William C., assignor.)
Nash, Roy A., et al. (See Nash, William C., assignor.)
Nash, William C., assignor of one-fifth to M. Jones and one-fifth to M. D. Nash, Neenah, Wis., one-fifth to W. M. Nash, Chicago, Ill., and one-fifth to R. A. Nash, New Rochelle, N. Y. Web guide switch. 2,185,773; Jan. 2.
Nash, William M., et al. (See Nash, William C., assignor.)
National Aniline and Chemical Company. (See Kranz, Frederick H., assignor.)
National Aniline & Chemical Company. (See Ogilvie, J., and Wilder, assignors.)
National Stamping Company. (See Thoma, Willard F., assignor.)
National Standard Company. (See Pierce, Robert C., assignor.)
National Supply Company, The. (See Young, Forrest J., assignor.)
Neer, Clifford H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Pack feed mechanism for labeling machines. 2,185,947; Jan. 2.
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Compressor unloading means. 2,185,473; Jan. 2.
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Railway air conditioning system comprising direct drive and ice storage. 2,185,515; Jan. 2.
Nehls, Charles H., Detroit, Mich. Padlock. 2,185,899; Jan. 2.
Nelson, Oscar, Walker, Minn. Calculator. 2,185,677; Jan. 2.
Nenstiel, Arthur E., Hazleton, Pa. Handling device. 2,185,561; Jan. 2.
New England Glass Works. (See Mark, Louis C., assignor.)
New Haven Copper Company, The. (See Strang, E. S., and Farmer, assignors.)
New Haven Copper Company, The. (See Strang, E. S., Farmer, and Koenig, assignors.)
New Haven Copper Company, The. (See Strang, E. S., and Koenig.)
Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,185,965; Jan. 2.
Newlin, Henry J., Birmingham, England. Supplying heated air to the rooms of a building. 2,185,774; Jan. 2.
Newport News Overfold Company. (See Davis, Benjamin S., assignor.)
Newton, Robert S., Watertown, assignor to The New York Air Brake Company, New York, N. Y. Apparatus for making piston rings. 2,185,382; Jan. 2.
New York Air Brake Company, The. (See Newton, Robert S., assignor.)
Nielsen, John F., Hollywood, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Mounting for electrical apparatus. 2,185,562; Jan. 2.
Nisson, Philip S., assignor to The Pure Oil Company, Chicago, Ill. Method of and apparatus for converting oil. 2,185,516; Jan. 2.
Noble, Walter. (See MacDonald, W. N., and Noble.)
Noe, Harold C., Nutley, N. J., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Lighting device. 2,185,694; Jan. 2.
Nofsinger, Charles W., Summit, N. J., and D. T. Shaw, Swarthmore, Pa., assignors to Gasoline Products Company, Inc., Jersey City, N. J. Cracking hydrocarbon oils. 2,185,222; Jan. 2.
Noland, Barton H., New York, N. Y., and E. L. R. Smith, Baltimore, Md. Window-actuating mechanism. 2,185,646; Jan. 2.

North American Rayon Corporation. (See Uyteabogaart, Johannes, assignor.)
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Northern Indiana Brass Company. (See Arbogast, Alfred C., assignor.)
Norton, Charles L., deceased, Boston, Mass.; C. L. Norton, Jr., New York, N. Y., and D. Norton, Boston, Mass., executors. Method of and apparatus for forming fibrous material. 2,185,417; Jan. 2.
Norton, Charles L., Jr., et al., executors. (See Norton, Charles L.)
Norton Company. (See Crompton, George, Jr., assignor.)
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Muskovin, George T., assignor.)
Norton, Dorothy, et al., executors. (See Norton, Charles L.)
Nott, Sydney C., Irvington, N. J. Card shuffling and dealing device. 2,185,474; Jan. 2.
Nye, Norman H. (See Penn, Ralph L. and R. W., and Nye.)
Odom, Earl R., assignor of one-tenth to J. B. Sisson, Marion, Ind. Molding machine for plastics. 2,185,678; Jan. 2.
Ogilvie, James, Buffalo, and R. S. Wilder, Hamburg, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Production of aminoanthraquinone compounds. 2,185,709; Jan. 2.
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohio Brass Company, The. (See McClure, Earl L., assignor.)
Ohio Brass Company, The. (See Ryan, Edmund C., assignor.)
Okonite-Callender Cable Company, The. (See McParlin, Daniel V., assignor.)
O'Leary, Charles M., Jr., et al. (See Patterson, Edgar W., assignor.)
Oliver Farm Equipment Company. (See Altgelt, R. J., and Gemberling, assignors.)
Oliver, Ralph R., assignor to Lockport Cotton Batting Co., Lockport, N. Y. Fireproofing cellulosic fibrous materials. 2,185,695; Jan. 2.
Olsen, Fredrich. (See Sheldon, L. M., Goff, Herzog, and Olsen.)
Omohundro, George D. (See Platt, G. G., and Omohundro.)
Orthuber, Richard. (See Steudel, E., and Orthuber.)
Orthuber, Richard, and E. Steudel, assignors to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Frequency stabilizer. 2,185,606; Jan. 2.
Oster, Joseph, assignor to Wooster Products Inc., Wooster, Ohio. Corner trim construction. 2,185,900; Jan. 2.
Ostlund, Andrew. (See Luft, Peter, assignor.)
Otis Elevator Company. (See Kebelman, Frank L., assignor.)
Outboard, Marine & Manufacturing Company. (See Conover, Warren C., assignor.)
Overbeck, Wilcox P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency changer. 2,185,418; Jan. 2.
Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)
Overholt, J. D. (See Browne, Floyd A., assignor.)
Owens-Illinois Glass Company. (See Schmidt, Charles F., assignor.)
Packard, Allan R., Spirit Lake, Idaho. Battery post clamp. 2,185,419; Jan. 2.
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Paige, Richard E., Flushing, N. Y. Display device. 2,185,866; Jan. 2.
Pallister, George E. (See Anthes, L. L., Ellis, and Pallister.)
Palmer, Neville A., Paddington, near Sydney, New South Wales, Australia. Belt fastener. 2,185,563; Jan. 2.
Paragon Revolute Corporation. (See Sullivan, Warren L., assignor.)
Paris, Robert E., assignor to International Business Machines Corporation, New York, N. Y. Electrical calculating machine. 2,185,681; Jan. 2.
Parisot, Jean, Pagny sur Moselle, assignor to Société Le Carbone-Lorraine, Gennevilliers (Seine), France. Arc lamp cathodes. 2,185,679; Jan. 2.
Parke, Davis & Company. (See Beutner, Reinhard, assignor.)
Parker, Arthur L., Cleveland, Ohio. Energizer for gas engines. 2,185,564; Jan. 2.
Parrot Speed Fastener Corporation. (See Snyder, Harry D., assignor.)
Parsell, Richard K. (See Stephen, T., and Parsell.)
Parsons, James A., Jr., assignor to The Durion Company, Inc., Dayton, Ohio. Corrosion resistant ferrous alloy. 2,185,987; Jan. 2.
Pasternack, Richard, Brooklyn, and G. O. Cragwall, East Williston, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Preparation of levo-ascorbic acid. 2,185,383; Jan. 2.
Patent Novelties Inc. (See Klein, Irving, assignor.)
Patrol Valve Company, The. (See Prutton, C. F., and Marvin, assignors.)
Patterson, Edgar W., assignor of one-half to M. D. Patterson, Long Beach, and one-half to C. M. O'Leary, Jr., Los Angeles, Calif. Well pumping mechanism. 2,185,680; Jan. 2.
Patterson, Margaret D., et al. (See Patterson, Edgar W., assignor.)
Paul, Elihu T., Corbin, and C. D. Carlisle, Middlesboro, assignors of one-third to F. Craft, Pikeville, Ky. Chair. 2,185,923; Jan. 2.
Paulson, Frederick R., et al. (See Irvine, Milton H., assignor.)
Payne, John W. (See Simpson, T. P., Payne, Crowley, and Teitsworth.)
Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Coating machine. 2,185,223; Jan. 2.
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Electric motor control. 2,185,517; Jan. 2.
Pearson, Harry B., Jr., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Breaking emulsions. 2,185,710; Jan. 2.
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Apparatus for feeding molten glass. 2,185,565; Jan. 2.
Peebles, David D. (See Gray, C. E., and Peebles.)
Pellerano, Silvio, Brooklyn, N. Y., assignor to Garfield Manufacturing Company, Garfield, N. J. Composition for molding. 2,185,354; Jan. 2.
Penn, Ralph L., Cuyahoga Falls, R. W. Penn, Akron, and N. H. Nye, Cuyahoga Falls, assignors of one-fourth to E. J. McIlvried, Stow, Ohio. Cutting and joining sheet material. 2,185,647; Jan. 2.
Penn, Ralph W. (See Penn, Ralph L. and R. W., and Nye.)
Pennsylvania Furnace & Iron Co. (See Anderson, Christian S., assignor.)
Pensky, Irving, Brooklyn, N. Y. Tooth brush head. 2,185,867; Jan. 2.
People of the United States of America, Dedicted to the free use of the. (See McKinney, Robert S., assignor.)
People in the Territory of the United States, Dedicated to the free use of the. (See Webb, Byron H., assignor.)
Peoples Gas By-Products Corporation. (See Wittmann, Robert A., assignor.)
Perry, Walter M. (See Drake, H. C., and Perry.)
Peters, Charles F., Great Kills, Staten Island, N. Y. Bottle breaker device. 2,185,352; Jan. 2.
Peterson, Glen, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reactance device. 2,185,355; Jan. 2.
Peterson, Roy E., Norwalk, and H. M. Larsen, Westport, assignors to the E. H. Hotchkiss Company, Norwalk, Conn. Machine for stapling diversified work. 2,185,751; Jan. 2.
Peterson, Victor E., assignor to The Kawneer Company, Niles, Mich. Sash construction. 2,185,735; Jan. 2.
Pfanstiehl, Carl, Highland Park, Ill., assignor of one-half to H. B. Babson. Vibratory element. 2,185,966; Jan. 2.
Pfarrwaller, Erwin, assignor to Tefag Textil-Finanz A. G., Winterthur, Switzerland. Selvage weaving. 2,185,308; Jan. 2.
Pfizer, Charles, & Company. (See Pasternack, R., and Cragwall, assignors.)
Pieper, Charles. (See Morse, A. H., and Pieper.)
Pierce, Glenn W. (See Boyce, Hiram H., assignor.)
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Winding apparatus. 2,185,309; Jan. 2.
Pimm, Charles C., West Somerville, Mass. Scaffolding. 2,185,948; Jan. 2.
Pittman, Reinhart W., Jackson Heights, N. Y., assignor to The Beck Duplicator Company. Copying machine. 2,185,682; Jan. 2.
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Howard, assignors.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Trager, assignors.)
Platt, Gilbert G., and G. D. Omohundro, Santa Ana, Calif. Method and apparatus for packaging. 2,185,353; Jan. 2.
Pool, William O. (See Ralston, A. W., Pool, and Harwood.)
Poor & Company. (See Warr, Harold G., assignor.)
Porter, Frank, Syracuse, N. Y., and J. M. Duncan, Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Manufacture of ethylene. 2,185,566; Jan. 2.
Posnack, Emanuel R., Brooklyn, N. Y. Stapling device and method. 2,185,518; Jan. 2.
Potato Corporation of Idaho. (See Gano, Orville, assignor.)
Powell, Ellis G. (See Crosthwait, D. N., Jr., and Powell.)
Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-seat fitting machine. 2,185,420; Jan. 2.
Preservators Limited. (See Ryner, Arthur, assignor.)
Prestinari, Eugen, Summit, assignor to Gemex Company, Newark, N. J. Bracelet connecting link. 2,185,736; Jan. 2.
Priester, Remmet, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands. Linoxin-like material and manufacture. 2,185,967; Jan. 2.
Proctor & Schwartz, Inc. (See Ginder, William H., assignor.)
Proportioneers, Inc. (See Corydon, J., and Lowe, assignors.)

Prozan, Moses. (See Lackow, E., and Prozan.)
Prutton, Carl F., Cleveland Heights, and J. T. Marvin, Fairview Village, assignors to The Patrol Valve Company, Cleveland, Ohio. Thermostatic device. 2,185,421; Jan. 2.
Prutton, Carl F., Cleveland Heights, and J. T. Marvin, Fairview Village, assignors to the Patrol Valve Company, Cleveland, Ohio. Thermostatic device. 2,185,422; Jan. 2.
Pure Oil Company, The. (See Nisson, Philip S., assignor.)
Q. O. S. Corporation. (See Liebmann, Oscar, assignor.)
Quad Stove Manufacturing Company. (See Stein, Henry E., Sr., assignor.)
Quaedvlieg, Matthias. (See Brodersen, K., Quaedvlieg, Zabel, and Schneider.)
Quick, Cecil G., C. H. Skinner, and M. E. B. Evans, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Printing machine. 2,185,310; Jan. 2.
Qviller, Olaf, Oslo, Norway. Emptying apparatus for diffusers, pulp bins, and the like, for the manufacture of cellulose and paper. 2,185,567; Jan. 2.
Radio Corporation of America. (See Allen, Horace C., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Epstein, David W., assignor.)
Radio Corporation of America. (See George, Roscoe H., assignor.)
Radio Corporation of America. (See Hansel, Clarence W., assignor.)
Radio Corporation of America. (See Kahn, Alfred, assignor.)
Radio Corporation of America. (See Karolus, August, assignor.)
Radio Corporation of America. (See Kellogg, E. W., and Landis, assignors.)
Radio Corporation of America. (See Lederer, Ernest A., assignor.)
Radio Corporation of America. (See Maloff, I. G., Epstein, and Wendt, assignors.)
Radio Corporation of America. (See Myers, L. M., and Goodenough, assignors.)
Radio Corporation of America. (See Nielsen, John F., assignor.)
Radio Corporation of America. (See Smith, John P., assignor.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See von Ardenne, Manfred, assignor.)
Raffles, Frank. (See Howell, Hugh A., assignor.)
Raffles, Frank, Chicago, Ill. Heating device for pyrography and soldering iron. 2,185,266; Jan. 2.
Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Structural member. 2,185,384; Jan. 2.
Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Stud and rafter. 2,185,475; Jan. 2.
Rafter Machine Company. (See Rafter, Albert, assignor.)
Ragatz, Edward G., Los Angeles, and D. E. McFaddin, Richmond, assignors to Union Oil Company of California, Los Angeles, Calif. Solvent recovery. 2,185,311; Jan. 2.
Ragsdale, Earl J. W., Norristown, and A. G. Dean, Narberth, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Engine bed underframe. 2,185,988; Jan. 2.
Ralston, Anderson W., W. O. Pool, and J. Harwood, assignors to Armour and Company, Chicago, Ill. Concentrating ores and flotation agents therefor. 2,185,968; Jan. 2.
Ralston, Oliver C., Hyattsville, Md., assignor to Government of the United States, as represented by the Secretary of the Interior. Purification of rock minerals. 2,185,224; Jan. 2.
Ramsden, James, et al. (See Ramsden, Walter, assignor.)
Ramsden, Walter, assignor of one-third to J. Ramsden, Pawtucket, and one-third to M. C. Miller, Cumberland, R. I. Braiding machine stop motion. 2,185,225; Jan. 2.
Ranco Incorporated. (See Raney, Estel C., assignor.)
Ranco Incorporated. (See Schmieding, Warren H. F., assignor.)
Randall, Arthur M., Prairie City, Iowa. Disk sharpener. 2,185,519; Jan. 2.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Oil burner control apparatus. 2,185,752; Jan. 2.
Ransome and Marles Bearing Company Limited. (See Hickling, Fred O., assignor.)
Ratner, Morris B., Phoenix, Ariz. Shaping air filled rubber to form cushion grips for steering wheels. 2,185,568; Jan. 2.
Ray, Charles J., Denton, Nebr. Lister plow. 2,185,520; Jan. 2.
Raymond, Thomas E., Zanesville, Ohio. Filter press filler block. 2,185,314; Jan. 2.
Raytheon Manufacturing Company. (See Overbeck, Wilcox P., assignor.)
Redfearn, John P., assignor to Entwisle & Kenyon Limited, Accrington, England. Carpet sweeper. 2,185,753; Jan. 2.
Reed-Prentice Corporation. (See Bird, Edward S., assignor.)
Reed Roller Bit Company. (See Fortune, James C., assignor.)
Reedy, Harvey J., and J. P. Marucco, San Francisco, Calif. Curtain rod support. 2,185,648; Jan. 2.
Reer, Christian F. (See Marion, H. G., and Reer.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Regensburger, Richard W., assignor to Institute of American Meat Packers, Chicago, Ill. Hog stunning pen. 2,185,949; Jan. 2.
Regnas, John E., Indianapolis, Ind. Direction indicator switch. 2,185,569; Jan. 2.
Reichmann, Reinhold. (See Stuckardt, K., and Reichmann.)
Reimuller, Christian, Chicago, Ill. Electrical snubbing device. 2,185,312; Jan. 2.
Reimuller, Christian, Wilmette, Ill. Electrical snubbing device. 2,185,313; Jan. 2.
Reiner, Robert, Inc. (See Lambach, Fritz, assignor.)
Reis, Carl A. (See Kayler, Herman C., assignor.)
Reis, Curt F., Chicago, Ill., assignor to Superior Parts Manufacturing Company, New York, N. Y. Impulse coupling. 2,185,818; Jan. 2.
Remington Rand Inc. (See Braun, Karl J., assignor.)
Remington Rand Inc. (See Ferry, John T., assignor.)
Remington Rand Inc. (See Lasker, William W., assignor.)
Reo Motor Car Company. (See Flogaus, Howard A., assignor.)
Republic Flow Meters Company. (See Cunningham, James D., assignor.)
Republic Flow Meters Company. (See Spitzglass, Albert F., assignor.)
Reyniers, James A., South Bend, Ind. Biological apparatus. 2,185,711; Jan. 2.
Rice, Frank E., assignor to American Tap-Bush Company, Detroit, Mich. Beer faucet. 2,185,267; Jan. 2.
Richards, Allen P. (See Stinson, P. M., and Richards.)
Richardson Company, The. (See Krauss, Adolph F., assignor.)
Richardson, Ralph S., Scarsdale, assignor to Chemical Construction Corporation, New York, N. Y. Ammonia oxidation method. 2,185,607; Jan. 2.
Ricker, Adolph J., assignor to Badger Malleable & Mfg. Company, South Milwaukee, Wis. Jack. 2,185,476; Jan. 2.
Rider, Harwood K., Ann Arbor, Mich. Controlled differential mechanism for typewriters and other machines. 2,185,226; Jan. 2.
Ridge, Bertram P. (See Hill, W. B., and Ridge.)
Ridley, Harry, Bronte, near Sydney, New South Wales, Australia. Lining of pipes with cementitious material. 2,185,570; Jan. 2.
Rit Products Corporation. (See Kritchevsky, Wolf, assignor.)
Ritzert, Norman J., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Roll grinding machine. 2,185,737; Jan. 2.
Roberts, Elliott J. (See Dorr, J. V. H., Weber, Darby, and Roberts.)
Roberts, George, Jr., Montclair, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Preparing mixtures of carbon monoxide and hydrogen. 2,185,989; Jan. 2.
Roberts-Gordon Appliance Corporation. (See Gordon, William S., Jr., assignor.)
Roberts, Joseph K. (See Keith, P. C., Jr., and Roberts.)
Robertson, Harold F., Coraopolis, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, Composite material. 2,185,356; Jan. 2.
Robinson, Richard D. (See Cunningham, G. L., and Robinson.)
Robinson, Wallace W., Portland, Maine. Combined buckle and zonal wound compression plate. 2,185,571; Jan. 2.
Robison, Daniel B., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 2,185,521; Jan. 2.
Rockoff, Joseph, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Manufacturing a printing roll. 2,185,738; Jan. 2.
Rodman, Clarence A., Detroit, Mich. Refrigerating and dispensing apparatus. 2,185,754; Jan. 2.
Rogatchoff, Theodore, Baltimore, Md. Detecting cracks in crankpins and the like. 2,185,315; Jan. 2.
Rogers, William P., Pampa, Tex. Deep well drilling apparatus. 2,185,316; Jan. 2.
Rollins, Leon F., Houston, Tex. Well flow controlling device. 2,185,522; Jan. 2.
Ronk, George T., Lanark, Ill. Truck. 2,185,750; Jan. 2.
Roots-Connersville Blower Corporation. (See Hassler, Ernest C., assignor.)
Rose, Harm C., Franklin Nebr. Electric contact device. 2,185,950; Jan. 2.
Rose, Lawrence J., St. Louis, Mo. Adjustable curtain bracket. 2,185,385; Jan. 2.
Rose, William H. Jersey City, N. J. Dispenser top for containers. 2,185,608; Jan. 2.
Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Container for pulverulent materials. 2,185,227; Jan. 2.
Rosenthal, August. (See Rosenthal, Henry L. and A.)
Rosenthal, Henry L. and A., Wauwatosa, assignors, to Rosenthal Manufacturing Co., West Allis, Wis. Corn husker and shredder. 2,185,739; Jan. 2.

Rosenthal Manufacturing Company. (See Rosenthal, Henry L. and A., assignors.)
Rostler, Fritz, and V. Mehner, Vienna, assignors to Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H., Vienna, Germany. Production of polymerized unsaturated hydrocarbons. 2,185,951; Jan. 2.
Rostler, Fritz, and V. Mehner, Vienna, assignors to Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H., Vienna, Germany. Making unsaturated hydrocarbons. 2,185,952; Jan. 2.
Routledge, Frederick J., Monroe, Mich. Firearm. 2,185,523; Jan. 2.
Rowley, Garold N., Miami, Fla. Louver construction. 2,185,712; Jan. 2.
Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
Ruoff, Gustav, Cologne, Germany, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Foil product. 2,185,649; Jan. 2.
Rüping, Max, Frankfort-on-the-Main, Germany. Rail joint connection. 2,185,357; Jan. 2.
Rushforth, Leonard. (See Bagor, D., and Rushforth.)
Ruthenburg, Louis, Birmingham, Mich., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,185,953; Jan. 2.
Rutledge, John W., et al. (See Lewis, George W., assignor.)
Ruttiman, Alfred. (See Meyer, J. W., Jr., and Ruttiman.)
Ryan, Edmund C., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector shoe. 2,185,268; Jan. 2.
Ryan, Edmund C., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 2,185,269; Jan. 2.
Ryan, Edmund C., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collecting device. 2,185,270; Jan. 2.
Ryba, Edward, Chicago, Ill. Dispenser. 2,185,775; Jan. 2.
Ryner, Arthur, assignor to Preservators Limited, London, England. Impregnation of paper or other materials, more especially for the protection of vegetable and animal goods during storage. 2,185,954; Jan. 2.
Sachs, Joseph, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic circuit breaker. 2,185,524; Jan. 2.
Sachs, Joseph, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic circuit breaker. 2,185,525; Jan. 2.
Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie. (See Eulenstein, F., and Krus, assignors.)
Sanford, Roy S., New York, N. Y., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Clutch control means. 2,185,272; Jan. 2.
Sanford, Roy S., New York, N. Y., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Vacuum clutch control. 2,185,273; Jan. 2.
Sardik Incorporated. (See Myers, P. B., and Cowgill, assignors.)
Sawyer, Guy S., San Antonio, Tex. Windshield. 2,185,572; Jan. 2.
Schaefer, Curt C., Cedar Rapids, Iowa. Filtering machine. 2,185,868; Jan. 2.
Scherer, Harold L., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch. 2,185,714; Jan. 2.
Schibbye, Lauritz B., Svartvik, assignor to Linköpings Armatur-Och Metallfabriks Aktiebolag, Linköping, Sweden. Screening plate with channels. 2,185,955; Jan. 2.
Schilling, Karl. (See Achtel, G., Schilling, and Misch.)
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Synchronization signal transmitter. 2,185,445; Jan. 2.
Schmid, Max, Riehen, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous azo-dyestuffs containing the pyrazolone ring. 2,185,901; Jan. 2.
Schmidt, August, Jr., Niskayuna, N. Y., assignor to General Electric Company. Electric valve converting system. 2,185,819; Jan. 2.
Schmidt, August, Jr., Niskayuna, N. Y., assignor to General Electric Company. Electric valve converting system. 2,185 820; Jan. 2.
Schmidt, Charles F., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for assembling glass applicator rods and bottle caps. 2,185,271; Jan. 2.
Schmieding, Warren H. F., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,185,317; Jan. 2.
Schmieding, Warren H. F., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,185,318; Jan. 2.
Schneider, Albert. (See Brodersen, K., Quaedvlieg, Zabel, and Schneider.)
Schneider, William J. (See Hassert, Charles E., assignor.)
Schnider, Morris, Los Angeles, Calif. Bobbin receptacle. 2,185,755; Jan. 2.
Schoeniger, William, Crichton, Ala. Sheet metal fastening means. 2,185,274; Jan. 2.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube for television picture scanning. 2,185,609; Jan. 2.
Schubert, Julius, Sunnyside, N. Y. Articulating rod bearing for radial motors. 2,185,902; Jan. 2.
Schuhmann, Richard L. (See Adams, D. W., and Schuhmann.)
Schultze, Hermann E., Marbach, near Marburg/Lahn, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Clear aqueous solution of lipins and preparing the same. 2,185,969; Jan. 2.
Schurch, Jacob H., assignor of one-half to W. H. Heise, Los Angeles, Calif. Induction motor. 2,185,990; Jan. 2.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,185,228; Jan. 2.
Schwichtenberg, Otto, assignor to Internationaler Moratti Maschinenverkeuf A. G., Berlin, Germany. Mechanical shuttle drive for circular looms. 2,185,446; Jan. 2.
Scott, Wade E., Millen, Ga. Rotary tooth brush. 2,185,229; Jan. 2.
Scott, Walter J., Woonsocket, R. I. Combination stop moton and belt shipper mechanism. 2,185,319; Jan. 2.
Seeley, William H., Toronto, Ontario, Canada. Card filing device. 2,185,869; Jan. 2.
Semet-Solvay Engineering Corporation. (See Pearson, Harry B., Jr., assignor.)
Senecal, Ephraim A., St. Albans, assignor of twenty-five per cent to F. D. Twigg, Rutland, Vt.; M. H. Alexander, administrator of said E. A. Senecal, deceased. Viewing attachment for microscopes. 2,185,926; Jan. 2.
Servel, Inc. (See Ruthenburg, Louis, assignor.)
Shaw, David T. (See Nofsinger, C. W., and Shaw.)
Shawinigan Chemicals Limited. (See Eaton, Milton, assignor.)
Shclanski, Herman A., Philadelphia, Pa. Insufflator. 2,185,927; Jan. 2.
Sheldon, Lyle M., L. E. Goff, M. L. Herzog, and F. Olsen, assignors to The Cellulose Research Corporation, East Alton, Ill. Treating wood cellulose. 2,185,776; Jan. 2.
Shell Development Company. (See Buchel, J. A., and Jan Saal, assignors.)
Shell Development Company. (See Coltof, W., and Langedijk, assignors.)
Shell Development Company. (See van Peski, A. J., and Hoeffelman, assignors.)
Shell Development Company. (See Waterman, H. I., and de Nie, assignors.)
Sherman, Alvin G., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Stove. 2,185,275; Jan. 2.
Shipway, George E., Noroton, Conn., and L. M. Steuber, Washington, D. C., assignors to Johns-Manville Corporation, New York, N. Y. Adjustable frame. 2,185,650; Jan. 2.
Sill, Gurdon G. (See Krause, R. F., and Sill.)
Silver, Benjamin J., New York, N. Y. Sole modifying inner sole. 2,185,526; Jan. 2.
Simpson, Robert A., Colorado Springs, Colo. Shoemaker's clamp. 2,185,358; Jan. 2.
Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, and C. S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for catalytic conversions and other contact mass operations. 2,185,928; Jan. 2.
Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, and C. S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Conducting reactions in the presence of a contact mass. 2,185,929; Jan. 2.
Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, and C. S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Converting petroleum and like oils. 2,185,930; Jan. 2.
Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, and C. S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for converting petroleum and like oils. 2,185,931; Jan. 2.
Sisson, John B. (See Odom, Earl R., assignor.)
Skinner, Charles H. (See Quick, C. G., Skinner, and Evans.)
Skinner, Charles K., Southport, Conn., assignor to General Electric Company. Washing machine. 2,185,821; Jan. 2.
Skinner, Henry J. P., London, England. Musical instrument. 2,185,932; Jan. 2.
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Clifford E., Belton, S. C. Hitch pin. 2,185,447; Jan. 2.
Smith, Edmund L. R. (See Noland, B. H., and Smith.)
Smith, Harold L., Whitefish Bay, assignor to The Louis Allis Company, Milwaukee, Wis. Dynamo-electric machine. 2,185,740; Jan. 2.
Smith, John P., Erlton, N. J., assignor to Radio Corporation of America. Volume control device. 2,185,870; Jan. 2.
Smith, Kline & French Laboratories. (See Nabenhauer, Fred P., assignor.)

Smith, L. C., & Corona Typewriters, Inc. (See Flanigan, John J., assignor.)
Smith, Turner C. (See Howard, W. A., and Smith.)
Smithos, Inc. (See Michel, George, assignor.)
Sneirson, Samuel L., Roxbury, Mass., assignor to Marvelash Co. Inc., New York, N. Y. Eyelash curler. 2,185,230; Jan. 2.
Snyder, Harry D., New York, assignor to Parrot Speed Fastener Corporation, Long Island City, N. Y. Prong extender for a paper fastener. 2,185,231; Jan. 2.
Société Le Carbone-Lorraine. (See Parisot, Jean, assignor.)
Society of Chemical Industry in Basle. (See Schmid, Max, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., Hanhart, and Andrerau, assignors.)
Socony-Vacuum Oil Company. (See Howard, W. A., and Smith, assignors.)
Socony-Vacuum Oil Company. (See Simpson, T. P., Payne, Crowley, and Teitsworth, assignors.)
Sollie, John, Oakland, Calif. Milk sampler. 2,185,651; Jan. 2.
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Solvay Process Company, The. (See Porter, F., and Duncan, assignors.)
Sorg, Harold E. (See Sorg, Lloyd F. and H. E.)
Sorg, Lloyd F., San Carlos, and H. E. Sorg, Berkeley, Calif. Hose attachment. 2,185,741; Jan. 2.
Spánel, Abraham N., Rochester, N. Y. Ruffled garment and the like. 2,185,527; Jan. 2.
Sparr, John P., Wink, Tex. Oil well oil saver. 2,185,925; Jan. 2.
Spearman, Robert U., Lakeland, Fla. Fuel vaporizer. 2,185,320; Jan. 2.
Spence, Paulsen, East Orange, N. J. Pressure reducing apparatus. 2,185,713; Jan. 2.
Spencer, Arthur W. (See Borland, A., Hymers, and Spencer.)
Sperry Products, Inc. (See Drake, H. C., and Perry, assignors.)
Spicer, Arthur E., Pasadena, Calif. Multiple cell dry battery. 2,185,756; Jan. 2.
Spiess, Georg, Leipzig, Germany. Sheet separator. 2,185,652; Jan. 2.
Spindler, Clarence E., Blue Island, Ill. Fuel feed for internal combustion engines. 2,185,573; Jan. 2.
Spiro, Walter, White Plains, N. Y. Educational game apparatus. 2,185,232; Jan. 2.
Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Instrument. 2,185,276; Jan. 2.
Spring Clutch Control, Inc. (See Hubbell, Bert D., assignor.)
Stackpole Carbon Company. (See Andrews, Lewis D., assignor.)
Stahly, Eldon E. (See Voorhies, A., Jr., and Stahly.)
Stallmann, Otto, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuff pastes of dyestuffs of the dibenzanthrone class and preparing them. 2,185,871; Jan. 2.
Stanco Incorporated. (See Rose, William H., assignor.)
Standard Oil Company, et al. (See Keith, P. C., Jr., and Roberts, assignors.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See Voorhies, A., Jr., and Stahley, assignors.)
Starr, Frank M., Schenectady, N. Y., assignor to General Electric Company. Line drop compensator. 2,185,715; Jan. 2.
Stein, Henry E., Sr., assignor to Quad Stove Manufacturing Company, Columbus, Ohio. Gas distributor for burner outlets. 2,185,903; Jan. 2.
Stelzer, William, German Township, St. Joseph County, assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic remote control. 2,185,277; Jan. 2.
Stephen, Thomas, New York, and R. K. Parsell, Brooklyn, N. Y.; said Parsell assignor to said Stephen. Method of and apparatus for making a motion picture record. 2,185,610; Jan. 2.
Stephens, Fred G., Granite City, Ill. Locomotive smoke consumer. 2,185,278; Jan. 2.
Steuber, Louis M. (See Shipway, G. E., and Steuber.)
Steudel, Eberhard. (See Brüche, E., and Steudel.)
Steudel, Eberhard. (See Orthuber, R., and Steudel.)
Steudel, Eberhard, Berlin-Dahlem, and R. Orthuber, assignors to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Electron multiplier. 2,185,611; Jan. 2.
Stevens, John W., assignor to The Elmco Corporation, Salt Lake City, Utah. Cone crusher. 2,185,528; Jan. 2.
Stevens, René, Antwerp, Belgium. Photographic emulsion. 2,185,798; Jan. 2.
Steward, Owen F., North Woodbury, N. J. Dispensing container. 2,185,574; Jan. 2.
Stewart Bros. Inc., of Lynn. (See Bailey, Charles W., assignor.)
Stewart, Robert J. (See McManus, C. E., Stewart, and Goebel.)
Stinson, Philip M., and A. P. Richards, assignors to Michigan Metalcraft Company, Detroit, Mich. Dispensing can for cleaning liquid. 2,185,575; Jan. 2.
Stockwell, Alfred F. (See de Goencz, D., Tarnuzzer, and Stockwell.)
Stoker, Romaine B. (See Dumas, Joseph A., assignor.)
Stowe, Rolland M., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Tubular frame. 2,185,904; Jan. 2.
Stra, René, Brussels, Belgium. Automatic sales apparatus. 2,185,872; Jan. 2.
Strang, Elmore S., and E. H. Koenig, New Haven, assignors to The New Haven Copper Company, Seymour, Conn. Copper base alloy. 2,185,958; Jan. 2.
Strang, Elmore S., New Haven, and R. O. Farmer, Seymour, Conn., and E. H. Koenig, West Orange, N. J., assignors to The New Haven Copper Company, Seymour, Conn. Alloy. 2,185,956; Jan. 2.
Strang, Elmore S., New Haven, and R. O. Farmer, assignors to The New Haven Copper Company, Seymour, Conn. Copper base alloy. 2,185,957; Jan. 2.
Straub, Fritz, Basel, W. Hanhart, Riehen near Basel, and W. Anderau, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Production of fast tints on vegetable fibers. 2,185,905; Jan. 2.
Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 2,185,279; Jan. 2.
Stuart, Robert, Forest Hills, Long Island, N. Y. Selective indexing systems. 2,185,233; Jan. 2.
Stuckardt, Karl, Berlin-Charlottenburg, and R. Reichmann, Berlin, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Producing an inorganic insulating material. 2,185,280; Jan. 2.
Studebaker Corporation, The. (See Burt, Leo O., assignor.)
Sudbury, Alvin W., East Cleveland, Ohio. Sander mechanism. 2,185,234; Jan. 2.
Sullivan, Warren L., assignor to Paragon Revolute Corporation, Rochester, N. Y. Blue print machine. 2,185,529; Jan. 2.
Sullivan, Warren L., assignor to Paragon Revolute Corporation, Rochester, N. Y. Blue print machine and variable speed transmission therefor. 2,185,530; Jan. 2.
Superior Body Company. (See Krogh, Peter O., assignor.)
Superior Parts Manufacturing Company. (See Reis, Curt F., assignor.)
Suter, John H., Sierra Madre, Calif. Hydraulic pump jack. 2,185,448; Jan. 2.
Swanson, Nels H., Chicago, Ill. Coin purse. 2,185,359; Jan. 2.
Swanson, Oscar A., Pacific Palisades, Calif. Retractable landing gear. 2,185,235; Jan. 2.
Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,185,757; Jan. 2.
Swift, George W., Jr. Inc. (See Bruker, H. W., and Black, assignors.)
Swift, George W., Jr., Inc. (See Bruker, H. W., and Thorn, assignors.)
Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Coil stripper. 2,185,360; Jan. 2.
Talon, Inc. (See Carlile, Alfred E., assignor.)
Tarantolo, Peter J., Chicago, Ill. Condiment dispenser. 2,185,576; Jan. 2.
Tarnuzzer, Edmund C. (See de Goencz, D., Tarnuzzer, and Stockwell.)
Taylor, Lorenzo D. (See MacMahon, J. D., Taylor, and Kalusdian.)
Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Filter. 2,185,281; Jan. 2.
Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,185,282; Jan. 2.
Tefag Textil-Finanz A. G. (See Pfarrwaller, Erwin, assignor.)
Teitsworth, Clark S. (See Simpson, T. P., Payne, Crowley, and Teitsworth.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Texas Company, The. (See Gliiasso, Louis, assignor.)
Textile Machine Works. (See Gastrich, G., and Haehnel, assignors.)
Then, Edward O., Newark, N. J., assignor to American Can Company, New York, N. Y. Container. 2,185,236; Jan. 2.
Thoma, Willard F., assignor to National Stamping Company, Detroit, Mich. Window operating mechanism. 2,185,321; Jan. 2.
Thomae, Eric. (See Kröper, H., and Thomae.)
Thomas, Leslie G., Tenafly, assignor to Automatic Winding Company, Inc., East Newark, N. J. Electrostatic condenser. 2,185,777; Jan. 2.
Thompson, Russell G., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,185,742; Jan. 2.
Thompson, Wesley R., and W. E. Flood, Metuchen, N. J., assignors to Catalin Corporation of America. Resinous laminated product and manufacture. 2,185,477; Jan. 2.
Thoreson, Albert W., Thief River Falls, Minn. Vending machine. 2,185,778; Jan. 2.
Thorn, Charles S. (See Bruker, H. W., and Thorn.)
Thrailkill, F. H. (See Bates, Sidney Q., assignor.)

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Apparatus for making, removing, and processing soap and the like. 2,185,653; Jan. 2.

Tieland, Johannes H., Utrecht, Netherlands. Apparatus for recording and reproducing sound. 2,185,933; Jan. 2.

Todd, Edwin T., and H. C. Hall, assignors to American Seating Company, Grand Rapids, Mich. Chair back. 2,185,758; Jan. 2.

Tomkinson, Charles H., Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y. Marker for filing systems. 2,185,696; Jan. 2.

Tönnies, Hans F., Hamburg-Brossflottbek, Germany. Photoelectric exposure determining apparatus. 2,185,934; Jan. 2.

Toussaint, Heinrich. (See Groetschel, Karl M., and Toussaint.)

Towne, Ralph C., Beacon, N. Y. Fire detector. 2,185,361; Jan. 2.

Trager, Fred C. (See Muskat, I. E., and Trager.)

Trailer Company of America, The. (See Black, James J., assignor.)

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Automatic gain control. 2,185,612; Jan. 2.

Tri-Mension Films, Inc. (See Nakken, Theodorus H., assignor.)

Tri-Tix Incorporated. (See Knapp, William G., assignor.)

Troy, Seymour, New York, N. Y. Shoe. 2,185,362; Jan. 2.

Trumbull, George T. (See MacDonald, William N., assignor.)

Tschappat, Sheridan P., Tulsa, Okla. Tubing and casing head. 2,185,478; Jan. 2.

Tschappat, Sheridan P., Tulsa, Okla. Casing and tubing head. 2,185,479; Jan. 2.

Tuerck-Mackenzie Company. (See Tuerck, Oscar, assignor.)

Tuerck, Oscar, assignor to Tuerck-Mackenzie Company, Portland, Oreg. Tamping bar clamp. 2,185,613; Jan. 2.

Turenne, Wilfred J. (See Fenn, T. L., and Turenne.)

Turner, Thomas W., Newport News, Va. Combination display and dispensing case. 2,185,935; Jan. 2.

Tveidt, Lars, Pasadena, Calif. Adjustable steering post. 2,185,779; Jan. 2.

Twigg, Frances D. (See Senecal, Ephrain A., assignor.)

Tykociner, Joseph T., J. Kunz, and L. P. Garner, assignors to the Board of Trustees of the University of Illinois, Urbana, Ill. Phototube. 2,185,531; Jan. 2.

Ulrich, Heinrich, and K. Kuespert, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Nitrogenous condensation products and producing the same. 2,185,480; Jan. 2.

Underhill, Joseph A., New York, N. Y. Dust mop. 2,185,873; Jan. 2.

Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)

Underwood Elliott Fisher Company. (See Thompson, Russell G., assignor.)

Ungerer, Fritz, Pforzheim, Germany. Straightening machine. 2,185,481; Jan. 2.

Union Carbide and Carbon Corporation. (See Robertson, Harold F., assignor.)

Union Oil Company of California. (See Ragatz, E. G., and McFaddin, assignors.)

United Aircraft Corporation. (See Beardsley, G. E., Jr., and Hasbrouck, assignors.)

United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)

United Shoe Machinery Corporation. (See Brauner, Pincus, assignor.)

United Shoe Machinery Corporation. (See Deshon, G. W., and Amann, assignors.)

United Shoe Machinery Corporation. (See Gross, Charles J., assignor.)

United Shoe Machinery Corporation. (See Hamann, William, assignor.)

United Shoe Machinery Corporation. (See Pratt, John W., assignor.)

United States Rubber Company. (See Brooks, Arthur E., assignor.)

United States Rubber Company. (See Cotchett, Louis M., assignor.)

Universal Crusher Company. (See Conway, Robert D., assignor.)

Universal Oil Products Company. (See Johnstone, Warren W., assignor.)

Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)

University of Illinois, Board of Trustees of the. (See Tykociner, J. T., Kunz, and Garner, assignors.)

Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for amplitude modulation. 2,185,874; Jan. 2.

Utah Radio Products Company. (See Barrett, E. L., and Bertschi, assignors.)

Uytenbogaart, Johannes, Berlin-Lichterfelde, Germany, assignor to North American Rayon Corporation, New York, N. Y. Spindle support for spools. 2,185,780; Jan. 2.

Valentine, Joseph E., Plainfield, N. J. Sampling device. 2,185,386; Jan. 2.

Van Halteren, Andrew S., assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,185,875; Jan. 2.

Van Peski, Adrianus J., and J. M. Hoeffelman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of sulphonium sulphonates. 2,185,654; Jan. 2.

Vansant, W. R. (See Little, Edward H., assignor.)

Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Motion transmitter. 2,185,449; Jan. 2.

Victor Manufacturing & Gasket Company. (See Kosatka, T. O., and Antonelli, assignors.)

Vits, Emil, Dusseldorf, Germany. Furnace for the continuous annealing of bands, sheets, and wires. 2,185,655; Jan. 2.

Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Asbestos cement manufacture. 2,185,959; Jan. 2.

Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Mill. 2,185,960; Jan. 2.

Vollmann, Heinrich. (See Corell, M., Vollmann, and Becker.)

Von Ardenne, Manfred, Berlin, Germany, assignor to Radio Corporation of America. Cathode ray tube. 2,185,239; Jan. 2.

Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Welding machine. 2,185,716; Jan. 2.

Voorhies, Alexis, Jr., and E. E. Stahly, Baton Rouge, La., assignors to Standard Oil Development Company. Desulphurization of gasolines. 2,185,577; Jan. 2.

Voorhies, Carl and H. E., Detroit, Mich., assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Tappet construction. 2,185,991; Jan. 2.

Voorhies, Harry E. (See Voorhies, Carl and H. E.)

Vrana, Paul. (See Klemschofski, K., and Vrana.)

Wager, Robert H., Maplewood, N. J. Soot blower seal. 2,185,450; Jan. 2.

Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Air conditioning system for automobiles. 2,185,486; Jan. 2.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Apparatus for reproducing movement. 2,185,482; Jan. 2.

Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)

Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Circuit breaker. 2,185,823; Jan. 2.

Ward, Frank T., Norwalk, Conn. Preparing high manganese steel members and the product thereof. 2,185,483; Jan. 2.

Warr, Harold G., Park Ridge, assignor to Poor & Company, Chicago, Ill. Resilient railway spike. 2,185,877; Jan. 2.

Waterman, Arthur E., and F. J. Kreutzer, assignors to James Manufacturing Company, Fort Atkinson, Wis. Farm building. 2,185,532; Jan. 2.

Waterman, Hein I., and W. L. J. de Nie, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Hardening filaments, bands, films, and other shaped articles composed of polymerization products of diene hydrocarbons. 2,185,656; Jan. 2.

Webb, Byron H., Washington, D. C., dedicated to the free use of the People in the Territory of the United States. Food product. 2,185,451; Jan. 2.

Weber, William C. (See Dorr, J. V. H., Weber, Darby, and Roberts.)

Weddell, Ralph R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Inserted blade cutter. 2,185,487; Jan. 2.

Weijlard, John, and W. H. Engels, assignors to Merck & Co. Inc., Rahway, N. J. Preparing the nitriles of alpha-naphthyl substituted lower fatty acids. 2,185,237; Jan. 2.

Weiland, Alfred, and J. R. Zwickl, Philadelphia, Pa., assignors to Baldwin-Southwark Corporation. Air conditioning apparatus. 2,185,387; Jan. 2.

Weinhart, Howard W., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray discharge device. 2,185,283; Jan. 2.

Welch, Elmer B., McKeesport, and L. G. Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company. High-speed steel. 2,185,616; Jan. 2.

Welch, Elmer B., McKeesport, and L. G. Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company. High-speed steel. 2,185,617; Jan. 2.

Welch, Elmer B., McKeesport, and L. G. Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company. High-speed steel. 2,185,618; Jan. 2.

Welch, Elmer B., McKeesport, and L. G. Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company. High-speed steel. 2,185,619; Jan. 2.

Welch, Lewis W., Dearborn, and A. F. Millington, Northville, assignors, by mesne assignments, to The Manufacturers National Bank of Detroit, Detroit, Mich. Heater. 2,185,484; Jan. 2.

Welch, Lewis W., Dearborn, and A. F. Millington, Northville, assignors, by mesne assignments, to The Manufacturers National Bank of Detroit, Detroit, Mich. Making heat exchange devices. 2,185,485; Jan. 2.

Wendt, Karl R. (See Maloff, I. G., Epstein, and Wendt.)

Werner, Albert and S. Carlsson, Stockholm, Sweden. Hair wave apparatus. 2,185,906; Jan. 2.

Western Cartridge Company. (See Humeston, Frederick L., assignor.)

Western Electric Company. (See Mason, Sumner R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Baker, Benjamin P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Candler, G. L., and Albright, assignors.)

Westinghouse Electric & Manufacturing Company. (See Croco, Charles P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Huggins, Leroy G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Stuckardt, K., and Reichmann, assignors.)

Whaley, Fred R., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Noncorrosive antifreeze composition. 2,185,238; Jan. 2.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation of America. Band-pass selector system. 2,185,388; Jan. 2.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Feedback amplifier filter. 2,185,389; Jan. 2.

White, Charles M., Jr., assignor to The Colonial Insulator Company, Akron, Ohio. Road marker. 2,185,488; Jan. 2.

White, Eric L. C., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve circuits. 2,185,363; Jan. 2.

Whitfield, Joseph E., Grove City, Pa. Reversing valve mechanism. 2,185,614; Jan. 2.

Whiting Corporation. (See Young, Raymond E., assignor.)

Whyte, Daniel D., assignor to Injection Moulding Corp., New York, N. Y. Comb. 2,185,286; Jan. 2.

Wiessner, Cristopher E., assignor to Durametallic Corporation, Kalamazoo, Mich. Shaft packing. 2,185,876; Jan. 2.

Wilder, Richard S. (See Ogilvie, J., and Wilder.)

Wille, Fredrik. (See Mohr, A., Jr., Wille, and Grill.)

Willmoth, Taylor, Bellevue, Ky. Tie. 2,185,615; Jan. 2.

Wilman, Zygmunt, Courbevoie, Seine, France. Muffler. 2,185,489; Jan. 2.

Wilson, Ralph W., New York, N. Y. Closure for containers. 2,185,284; Jan. 2.

Winthrop Chemical Company. (See Bockmühl, M. and Ehrhart, assignors.)

Winthrop Chemical Company. (See Schultze, Hermann E., assignor.)

Wisman, Lauren O., Walnut Creek, assignor to E. D. Bullard Company, San Francisco, Calif. Hat. 2,185,717; Jan. 2.

Wittmann, Robert A., assignor to Peoples Gas By-Products Corporation, Chicago, Ill. Electric switch. 2,185,490; Jan. 2.

Wolman, Karl, Berlin-Grunewald, and R. Huber, Berlin-Wilmersdorf, Germany. Wood preservative. 2,185,533; Jan. 2.

Wong, Wing. (See Ingraham, D. C., and Wong.)

Wood, Norman M., London, England, assignor to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,185,697; Jan. 2.

Wood, Robert T., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Heat treating magnesium base alloys. 2,185,452; Jan. 2.

Wood, Robert T., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Heat treating magnesium base alloys. 2,185,453; Jan. 2.

Woods, Holland O., Jackson, Mich. Clothespin. 2,185,285; Jan. 2.

Wooster Products Inc. (See Oster, Joseph, assignor.)

Wright, James M., Quitman, Ga. Bicycle. 2,185,698; Jan. 2.

Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)

Yamada, Kiiti, Nagoya, Japan. Safety automatic stopping device for automobiles and the like vehicles. 2,185,936; Jan. 2.

Yaw, Homer J. (See Cady, Charles L., assignor.)

Young, Forrest J., Los Angeles, assignor to The National Supply Company, Torrance, Calif. Rotary swivel. 2,185,822; Jan. 2.

Young, Raymond E., assignor to Whiting Corporaton, Harvey, Ill. Circuit control for heating systems and the like. 2,185,759; Jan. 2.

Young, Stephen M., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Hitch. 2,185,454; Jan. 2.

Zabel, Max. (See Brodersen, K., Quaedvlieg, Zabel, and Schneider.)

Zeugner, John J., Baltimore, Md. Dose-measuring bottle closure. 2,185,699; Jan. 2.

Ziebolz, Herbert, Chicago, Ill., assignor to Askania-Werke A. G. Apparatus for controlling the flow of fluids. 2,185,970; Jan. 2.

Zwickl, Joseph R. (See Weiland, A., and Zwickl.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic regulation for engine cooling means. H. C. Nissen. Re. 21,312; Jan. 2.
Wall covering, Decorative. G. Désagnat. Re. 21,313; Jan. 2.
Waterproofing composition and waterproofing fabric. J. B. Cleaveland. Re. 21,311; Jan. 2.

LIST OF DESIGN INVENTIONS

Alarm, Thermostatic fire. R. M. Bowes. 118,365; Jan. 2.
Apron. M. B. Picken. 118,418; Jan. 2.
Ashtray or similar article. E. W. Ekstrand. 118,369; Jan. 2.
Bag or similar article. S. Dorée. 118,430; Jan. 2.
Bag package or similar article. H. O. Irmscher. 118,424; Jan. 2.
Bathtub. L. H. Goeltz. 118,371; Jan. 2.
Book end and pencil holder or similar article, Combined. G. S. Dolgorukov. 118,410; Jan. 2.
Bottle and closure cap, Combined. F. McIntosh. 118,381; Jan. 2.
Box, Storage battery. A. G. Phelps and F. G. Stickel. 118,389; Jan. 2.
Bracelet or similar article. F. Cusumano. 118,403; Jan. 2.
Bracelet or similar article. J. B. Mann. 118,378; Jan. 2.
Braid or similar article. J. Uziel. 118,395–6; Jan. 2.
Brush, Hair. F. K. Weber. 118,422; Jan. 2.
Button or similar article. M. L. Aaronson. 118,423; Jan. 2.
Case, Combination pocket. N. A. Mercer. 118,440; Jan. 2.
Coat. A. H. Sadiker. 118,390; Jan. 2.
Dish or article of similar nature, Glass relish. A. H. Nicholson. 118,385; Jan. 2.
Doll. M. C. Peck. 118,387; Jan. 2.
Dress. J. Lippman. 118,426; Jan. 2.
Dress. C. Mazola. 118,427; Jan. 2.
Dress. K. Rost. 118,435; Jan. 2.
Dress. J. Wasserman. 118,429; Jan. 2.
Dress, Combination evening and street. V. Scappaticcio. 118,392; Jan. 2.
Dress ensemble. S. Rosen. 118,428; Jan. 2.
Fabric or similar article, Textile. L. Harttmann. 118,413; Jan. 2.
Fabric, Ribbon. G. H. Simon. 118,436–7; Jan. 2.
Fabric, Textile. D. B. Fuller. 118,412; Jan. 2.
Fabric, Textile. M. Guhl. 118,373; Jan. 2.
Fabric, Textile. B. M. Kaufman. 118,431; Jan. 2.
Fabric, Textile. L. G. Meurer. 118,434; Jan. 2.
Fabric, Textile. C. A. Tips. 118,438; Jan. 2.
Fabric, Textile. G. Virgile. 118,402; Jan. 2.
Fabric, Textile. H. W. Wilde. 118,399–400; Jan. 2.
Filter, Air. M. Sinclair. 118,420; Jan. 2.
Fixture or similar article, Merchandise display stock. E. B. Becker. 118,361; Jan. 2.
Girdle. W. Kops. 118,425; Jan. 2.
Glider. B. Johnson. 118,405; Jan. 2.
Globe and panel for a lighting fixture, Combined. A. L. Arenberg. 118,359; Jan. 2.
Guard, Bumper. L. S. Poncher. 118,406–7; Jan. 2.
Handle for kitchen utensils or similar articles. M. J. Zimmer. 118,401; Jan. 2.
Hat. M. J. Marks. 118,433; Jan. 2.
Hat, Safety. H. B. Lewis. 118,432; Jan. 2.
Head covering. S. E. Rains. 118,441; Jan. 2.
Lamp standard. W. L. Allison. 118,358; Jan. 2.
Lace. B. Edson. 118,367–8; Jan. 2.
Locomotive body. J. Gibson. 118,370; Jan. 2.
Medal or the like. H. C. Valsey. 118,397; Jan. 2.
Nail, Decorative. L. Kay. 118,375; Jan. 2.
Necklace or similar article. F. Cusumano. 118,404; Jan. 2.
Pipe working machine. R. B. Pealer. 118,416; Jan. 2.
Plate or similar article. B. F. Auerbach. 118,360; Jan. 2.
Rack for post cards, Display. C. Teich. 118,394; Jan. 2.
Receptacle, Flexible pocket. W. R. Buxton. 118,409; Jan. 2.
Receptacle, Garbage. M. Kamenstein. 118,374; Jan. 2.
Receptacle unit, for pencils, envelope openers, rulers, or the like, Desk. G. S. Dolgorukov. 118,411 Jan. 2.
Ribbon. J. D. Hulzeng. 118,414; Jan. 2.
Ring, Finger. T. M. Pajzs. 118,386; Jan. 2.
Safe or similar article, Theft, fire and water proof. C. R. Davis. 118,366; Jan. 2.
Saw. W. F. Nessen. 118,415; Jan. 2.
Shoe or similar article. O. M. Pick. 118,417; Jan. 2.
Sign frame and bicycle rack, Combined. W. Wheary. 118,398; Jan. 2.
Spectacle frame. A. Sanders. 118,391; Jan. 2.
Sprayer. E. L. Rockwood. 118,419; Jan. 2.
Stapling machine. A. H. Maynard. 118,279–80; Jan. 2.
Stocking or similar article. C. W. Tobin. 118,439; Jan. 2.
Support for culinary appliances. C. F. Smith. 118,393; Jan. 2.
Support for an inductively excited gaseous conductor tube. L. L. Beck and W. R. Price. 118,408; Jan. 2.
Thumb stall. L. J. Guay. 118,372; Jan. 2.
Tool or similar article, Photographer's film magazine loading. H. G. King. 118,376; Jan. 2.
Toy train, Wooden. K. Bojesen. 118,364; Jan. 2.
Tray, Serving. C. B. Loveland. 118,377; Jan. 2.
Trophy base. W. B. Petzold. 118,388; Jan. 2.
Vase or similar article. E. C. Berbus. 118,362; Jan. 2.
Vase or similar article. F. L. Betz. 118,363; Jan. 2.
Vase or similar article. T. Mehrer. 118,382–4; Jan. 2.
Ventilator, Kitchen. B. Sonntag. 118,421; Jan. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordion construction. C. Lindeberg. 2,185,984; Jan. 2.
Acid, Preparation of levo-ascorbic. R. Pasternack and G. O. Cragwall. 2,185,383; Jan. 2.
Acid, Production of nitric. H. A. Beekhuis, Jr. 2,185,579–80; Jan. 2.
Acids, Aromatic arsonic and stibonic. M. Bockmühl and G. Ehrhart. 2,185,972; Jan. 2.
Acids, Derivatives of alpha higher carboxylic. F. J. Cahn. 2,185,541; Jan. 2.
Adapter coupling. M. A. Elliott. 2,185,725–6; Jan. 2.
Adjustable frame. G. E. Shipway and L. M. Steuber. 2,185,650; Jan. 2.
Adjusting means, Selectively operable automatic. M. W. Kenney and A. A. Gedde. 2,185,407; Jan. 2.
Air conditioning apparatus. L. G. Huggins. 2,185,198; Jan. 2.
Air conditioning apparatus. A. Welland and J. R. Zwickl. 2,185,387; Jan. 2.
Air conditioning system comprising direct drive and ice storage, Railway. C. R. Neeson. 2,185,515; Jan. 2.
Air conditioning system for automobiles. N. E. Wahlberg. 2,185,486; Jan. 2.
Air to the rooms of a building, Supplying heated. H. J. Newlin. 2,185,774; Jan. 2.
Alcoholates, Stabilized alkali metal. G. L. Cunningham and R. S. Robinson. 2,185,247; Jan. 2.
Alloy: *See*—
Aluminum base alloy. Ferrous alloy.
Copper base alloy.
Alloy. S. P. Hackley. 2,185,809; Jan. 2.
Alloy. E. S. Strang, R. O. Farmer, and E. H. Koenig. 2,185,956; Jan. 2.
Alloys, Heat treating magnesium base. R. T. Wood. 2,185,452–3; Jan. 2.
Alumino-thermic mix for making permanent magnets. H. A. Howell. 2,185,464; Jan. 2.
Aluminum base alloy. W. E. Mansfield. 2,185,348; Jan. 2.
Aminoanthraquinone compounds, Production of. J. Ogilvie and R. S. Wilder. 2,185,709; Jan. 2.
Ammonia oxidation method. R. S. Richardson. 2,185,607; Jan. 2.
Amplifier, High frequency. H. C. Allen. 2,185,879; Jan. 2.
Antifreeze composition, Noncorrosive. F. R. Whaley. 2,185,238; Jan. 2.
Antifriction bearing. F. O. Hickling. 2,185,339; Jan. 2.
Apparatus for catalytic conversions and other contact mass operations. T. P. Simpson, J. W. Payne, J. A. Crowley, Jr., and C. S. Teitsworth. 2,185,928; Jan. 2.
Apparatus for controlling the flow of fluids. H. Ziebolz. 2,185,970; Jan. 2.
Apparatus for feeding molten glass. T. F. Pearson. 2,185,565; Jan. 2.
Apparatus for forming a hedge shear blade. W. E. Barnhart. 2,185,881; Jan. 2.
Apparatus for making dental records. A. J. Kunze. 2,185,508; Jan. 2.
Apparatus for recording and reproducing sound. J. H. Tieland. 2,185,933; Jan. 2.
Apparatus for reproducing movement. C. F. Wallace. 2,185,482; Jan. 2.
Appliance for purifying tobacco smoke. M. F. Lautman. 2,185,672; Jan. 2.
Applicator rods and bottle caps, Apparatus for assembling glass. C. F. Schmidt. 2,185,271; Jan. 2.
Arc protecting device. E. L. McClure. 2,185,263; Jan. 2.
Arrangement for amplitude modulation. R. Urtel. 2,185,874; Jan. 2.
Asbestos cement manufacture. M. Vogel-Jorgensen. 2,185,959; Jan. 2.
Atomizer device. W. S. Bowen. 2,185,369; Jan. 2.
Attachment for corn harvesters. A. J. Maciejko. 2,185,412; Jan. 2.
Attachment for grinding machines, Indexing. C. G. Flygare. 2,185,546; Jan. 2.
Attachment for grinding machines, Indexing. G. T. Muskovin. 2,185,560; Jan. 2.
Attachment for hand operation of foot brakes and the like. P. H. Armstrong. 2,185,170; Jan. 2.
Attachment for microscopes, Viewing. E. A. Senecal. 2,185,926; Jan. 2.
Automobile body roof frame structure. P. O. Krogh. 2,185,345; Jan. 2.
Automobile repair tool. A. G. Gerdes. 2,185,550; Jan. 2.
Back pressure valve. J. C. Fortune. 2,185,173; Jan. 2.
Bag: *See*—
Garment bag. Golf bag.
Band-pass selector system. H. A. Wheeler. 2,185,388; Jan. 2.
Barrels and staves, Apparatus for charring whisky. E. H. Little. 2,185,206; Jan. 2.
Base for electric lamps, tubes, and the like, Contactor. C. W. Haller. 2,185,981; Jan. 2.
Battery. C. F. Burgess. 2,185,829; Jan. 2.
Battery post clamp. A. R. Packard. 2,185,419; Jan. 2.
Battery, Multiple cell dry. A. E. Spicer. 2,185,756; Jan. 2.
Bearing: *See*—
Antifriction bearing. Split-crank bearing.
Journal bearing.
Bearing for radial motors, Articulating rod. J. Schubert. 2,185,902; Jan. 2.
Beater and mixer. E. R. Hacmac. 2,185,846; Jan. 2.
Belt fastener. N. A. Palmer. 2,185,563; Jan. 2.
Belt, Surgical. L. Creper. 2,185,834; Jan. 2.
Belt tightener. W. M. Crawford. 2,185,745; Jan. 2.
Benzylidene-aniline compounds, Production of. F. H. Kranz. 2,185,854; Jan. 2.
Bicycle. J. M. Wright. 2,185,698; Jan. 2.
Binder, Loose leaf. F. H. Feldman. 2,185,404; Jan. 2.
Biological apparatus. J. A. Reyniers. 2,185,711; Jan. 2.
Bleaching surfaces without immersion. W. B. Hill and B. P. Ridge. 2,185,632; Jan. 2.
Block: *See*—
Filter press filler block.
Block masonry construction, Hollow. F. Heath. 2,185,196; Jan. 2.
Blooms, billets, sheet bars, and the like, Deseaming. H. M. Brown. 2,185,496; Jan. 2.
Blue print machine. W. L. Sullivan. 2,185,529; Jan. 2.
Blue print machine and variable speed transmission therefor. W. L. Sullivan. 2,185,530; Jan. 2.
Board: *See*—
Trimming board.
Bobbin receptacle. M. Schnider. 2,185,755; Jan. 2.
Boiler: *See*—
Fireplace boiler.
Boiler feed water control system. K. B. Howell. 2,185,893; Jan. 2.
Bookstack. W. C. Bond. 2,185,494; Jan. 2.
Bottle breaker. R. J. McGill. 2,185,349; Jan. 2.
Bottle breaker device. C. F. Peters. 2,185,352; Jan. 2.
Bottle closure, Dose-measuring. J. J. Zeugner. 2,185,699; Jan. 2.
Box: *See*—
Folding box. Locking box.
Box blank creasing and folding machine. H. L. and S. G. Mitchell. 2,185,675; Jan. 2.
Box for shipping and dispensing ice-cream cones, Self-closing. G. G. Buttermann. 2,185,328; Jan. 2.
Bracelet connecting link. E. Prestinari. 2,185,736; Jan. 2.
Bracket: *See*—
Curtain bracket.
Braiding machine stop motion. W. Ramsden. 2,185,225; Jan. 2.
Brake. F. C. Frank. 2,185,250; Jan. 2.
Brake. R. A. Goepfrich. 2,185,434; Jan. 2.
Brake. R. A. Goepfrich. 2,185,435; Jan. 2.
Brake. M. Leupold. 2,185,261; Jan. 2.
Brake blocks, Making. H. B. Denman. 2,185,333; Jan. 2.
Brake drum. A. S. Van Halteren. 2,185,875; Jan. 2.
Brake for trailers, Compressor. C. F. Hines. 2,185,667; Jan. 2.
Brake mechanism. C. F. Baisch. 2,185,324; Jan. 2.
Brake system, Hydraulic. L. S. Bittner. 2,185,535; Jan. 2.
Brake tester. M. M. Cunningham. 2,185,246; Jan. 2.
Braking apparatus, Hydraulic. R. O. Anderson and A. H. Carson. 2,185,491; Jan. 2.
Bread slicing machine. R. J. Beutel. 2,185,744; Jan. 2.
Bread slicing machine. H. J. Criner. 2,185,835; Jan. 2.
Breakwater, Floating. L. Giliasso. 2,185,458; Jan. 2.
Breast form. H. A. Austin. 2,185,761; Jan. 2.
Breather system for internal combustion engines. A. C. Dressler. 2,185,501; Jan. 2.
Brick, Interlocking. A. J. Cilento and S. J. Agnoli. 2,185,497; Jan. 2.
Bucket, Elevator. L. W. Koser. 2,185,557; Jan. 2.
Buckle and zonal wound compression plate, Combined. W. W. Robinson. 2,185,571; Jan. 2.
Building, Farm. A. E. Waterman and F. J. Kreutzer. 2,185,532; Jan. 2.
Building material, Curing and packaging. N. P. Harshberger. 2,185,195; Jan. 2.
Bumper accessory, Ornamental. G. A. Lyon. 2,185,468; Jan. 2.

Burner: *See*—
Gas burner.
Burner control apparatus, Oil. E. C. Raney. 2,185,752; Jan. 2.
Cabinet. L. L. Middleton. 2,185,513; Jan. 2.
Cable: *See*—
Fire-detecting cable.
Cable clamp. A. W. Buckner. 2,185,723; Jan. 2.
Cake pressing and molding machine. J. J. Hendler. 2,185,174; Jan. 2.
Calculating device. L. G. Kuhlman. 2,185,202; Jan. 2.
Calculating machine, Electrical. R. E. Paris. 2,185,681; Jan. 2.
Calculator. O. Nelson. 2,185,677; Jan. 2.
Can for cleaning liquid, Dispensing. P. M. Stinson and A. P. Richards. 2,185,575; Jan. 2.
Cap: *See*—
Ventilated cap.
Car end construction. J. W. Coleman. 2,185,783; Jan. 2.
Car heater. W. A. Kysor. 2,185,855; Jan. 2.
Carbon monoxide and hydrogen, Preparing mixtures of. G. Roberts, Jr. 2,185,989; Jan. 2.
Carburetor. F. C. Mock. 2,185,265; Jan. 2.
Card shuffling and dealing device. S. C. Nott. 2,185,474; Jan. 2.
Card sorting machine. K. J. Braun. 2,185,289; Jan. 2.
Carriage for accounting machines, Paper. W. A. Anderson. 2,185,424; Jan. 2.
Carriage structure, Reciprocatory. W. Knapp. 2,185,304; Jan. 2.
Carrier system with phase discrimination. R. S. Caruthers. 2,185,687; Jan. 2.
Carton, Self-locking. J. K. Darragh. 2,185,544; Jan. 2.
Cartridge magazine, Firearm. A. Moneta. 2,185,676; Jan. 2.
Case: *See*—
Display and dispensing Display case.
case.
Casing and tubing head. S. P. Tschappat. 2,185,479; Jan. 2.
Catch for vertically sliding doors, Safety. H. C. Blodgett. 2,185,828; Jan. 2.
Catch, Friction. A. L. Fryer. 2,185,503; Jan. 2.
Cathautograph. A. B. Du Mont. 2,185,705; Jan. 2.
Cathode ray tube. D. W. Epstein. 2,185,590; Jan. 2.
Cathode ray tube. D. Gabor and L. Rushforth. 2,185,807; Jan. 2.
Cathode ray tube. M. von Ardenne. 2,185,239; Jan. 2.
Cathode ray tube for television picture scanning. F. Schröter. 2,185,609; Jan. 2.
Cellulose, Treating wood. L. M. Sheldon, L. E. Goff, M. L. Herzog, and F. Olsen. 2,185,776; Jan. 2.
Centrifugal separator. G. J. Strezynski. 2,185,279; Jan. 2.
Chain: *See*—
Roller chain.
Chair. E. T. Paul and C. D. Carlisle. 2,185,923; Jan. 2.
Chair back. E. T. Todd and H. C. Hall. 2,185,758; Jan. 2.
Changeable sign. C. P. Ferrigno. 2,185,249; Jan. 2.
Change-speed gear, Automatic. H. Metzler. 2,185,602; Jan. 2.
Checkerwork construction for regenerators. A. Mohr, Jr., F. Wille, and J. P. Grilli. 2,185,550; Jan. 2.
Checking and measuring device. E. G. Grennon. 2,185,808; Jan. 2.
Chemical manufacture. J. D. MacMahon, L. D. Taylor, and V. M. Kalusdian. 2,185,210; Jan. 2.
Chintz, Producing permanent glaze. D. de Hoencz, E. C. Tarnuzzer, and A. F. Stockwell. 2,185,746; Jan. 2.
Cigarette and cigar extinguishing device. J. H. Homrighous. 2,185,462; Jan. 2.
Cigarette and treating same. L. G. Copeman. 2,185,293; Jan. 2.
Circuit: *See*—
Valve amplifying circuit.
Circuit breaker. B. P. Baker. 2,185,719; Jan. 2.
Circuit breaker. L. S. Walle. 2,185,823; Jan. 2.
Circuit breaker, Automatic. J. Sachs. 2,185,524–5; Jan. 2.
Circuit breaker control system. A. E. Anderson. 2,185,825; Jan. 2.
Circuit breaker for stop lights, Automatic. L. L. Huelsdonk. 2,185,732; Jan. 2.
Circuit control for heating systems and the like. R. E. Young. 2,185,759; Jan. 2.
Circuits, Electric. W. J. McLachlan and W. E. Birchard. 2,185,707; Jan. 2.
Circuits, Thermionic valve. E. L. C. White. 2,185,363; Jan. 2.
Clamp: *See*—
Battery post clamp. Shoemaker's clamp.
Cable clamp. Tamping bar clamp.
Clamping device. E. B. Brittin. 2,185,782; Jan. 2.
Cleat, Athletic shoe. G. C. Birchfield. 2,185,397; Jan. 2.
Clock, Animated figure. J. S. Feiner. 2,185,805; Jan. 2.
Clock setting means. O. H. Dicke. 2,185,334; Jan. 2.
Closure, Automatic paste tube. W. G. Arnold. 2,185,323; Jan. 2.
Closure device for drums and the like. C. J. Brown. 2,185,171; Jan. 2.
Closure for containers. R. W. Wilson. 2,185,284; Jan. 2.
Closure for containers for aerated beverages. H. S. and M. S. Bravo. 2,185,290; Jan. 2.
Clothes and wash line, Safety. G. Grandone. 2,185,845; Jan. 2.
Clothespin. H. O. Woods. 2,185,285; Jan. 2.
Clutch. W. C. McCoy. 2,185,986; Jan. 2.
Clutch. H. L. Scherer. 2,185,714; Jan. 2.
Clutch control means. R. S. Sanford. 2,185,272; Jan. 2.
Clutch control, Vacuum. R. S. Sanford. 2,185,273; Jan. 2.
Coating and applying the same to fibrous surfaces. D. P. Moore. 2,185,217; Jan. 2.
Coating machine. H. J. Paynter. 2,185,223; Jan. 2.
Coffee and apparatus therefor, Roasting. D. W. Adams and R. L. Schuhmann. 2,185,578; Jan. 2.
Coffee percolator. R. H. Fay. 2,185,840; Jan. 2.
Coil stripper. H. H. Talbot. 2,185,360; Jan. 2.
Coin chute. B. C. Grunig. 2,185,980; Jan. 2.
Comb. D. D. Whyte. 2,185,286; Jan. 2.
Compensator, Line drop. F. M. Starr. 2,185,715; Jan. 2.
Composition for molding. S. Pellerano. 2,185,354; Jan. 2.
Compound for and process of surface finishing metallic articles. J. Lupo, Jr. 2,185,262; Jan. 2.
Compressor unloading means. C. R. Neeson. 2,185,473; Jan. 2.
Concrete, Apparatus for compacting. C. L. Cady. 2,185,540; Jan. 2.
Concrete, Reinforcing. R. C. Kennedy. 2,185,749; Jan. 2.
Condensation product from higher fatty acids and esters thereof, Making a viscosity lowering. S. Jordan. 2,185,592; Jan. 2.
Condenser: *See*—
Electrostatic condenser.
Condiment dispenser. P. J. Tarantolo. 2,185,576; Jan. 2.
Conductor, Electrical. J. B. Lunsford. 2,185,558; Jan. 2.
Connection, Electric terminal. M. P. Hanson. 2,185,193; Jan. 2.
Connection, Rail joint. M. Rüping. 2,185,357; Jan. 2.
Contact device, Electric. H. C. Rose. 2,185,950; Jan. 2.
Container: *See*—
Dispensing container. Metal container.
Illuminated container. Shipping container.
Container. T. F. Brennan. 2,185,180; Jan. 2.
Container. D. K. McInnis and R. B. Aldrich. 2,185,796; Jan. 2.
Container. G. A. Moore. 2,185,604; Jan. 2.
Container. E. O. Then. 2,185,236; Jan. 2.
Container and blank therefor. A. S. Allen. 2,185,391; Jan. 2.
Container, Dispensing. O. F. Steward. 2,185,574; Jan. 2.
Container for cards. C. W. Beck. 2,185,624; Jan. 2.
Container for pulverulent materials. W. H. Rose. 2,185,227; Jan. 2.
Containers, Method of and apparatus for filling. C. E. Gray and D. D. Peebles. 2,185,191; Jan. 2.
Control apparatus. W. H. F. Schmieding. 2,185,317–18; Jan. 2.
Control apparatus for the regulation of pressure. J. L. Kimball. 2,185,671; Jan. 2.
Control device. C. W. Kuhn. 2,185,814; Jan. 2.
Control device, Volume. J. P. Smith. 2,185,870; Jan. 2.
Control for trail builder, Hydraulic. L. O. Bird and E. P. Drake. 2,185,179; Jan. 2.
Control system. J. W. McNairy. 2,185,861; Jan. 2.
Conveying mechanism. F. A. Browne. 2,185,973; Jan. 2.
Cooker, Steam. O. Gano. 2,185,372; Jan. 2.
Cooler. R. E. Buvinger. 2,185,539; Jan. 2.
Cooling system for refrigerators. J. E. Cochran. 2,185,330; Jan. 2.
Copper base alloy. E. S. Strang and R. O. Farmer. 2,185,957; Jan. 2.
Copper base alloy. E. S. Strang and E. H. Koenig. 2,185,958; Jan. 2.
Copying machine. R. W. Pittman. 2,185,682; Jan. 2.
Cord stretching and winding machine. L. M. Cotchett. 2,185,245; Jan. 2.
Corn husker and shredder. H. L. and A. Rosenthal. 2,185,739; Jan. 2.
Corner trim construction. J. Oster. 2,185,900; Jan. 2.
Counter molding machine. C. W. Bailey. 2,185,937; Jan. 2.
Coupling: *See*—
Adapter coupling. Impulse coupling.
Coupling mechanism. E. A. Larsson. 2,185,256; Jan. 2.
Course corrector, Nautical. T. Fladmark. 2,185,912; Jan. 2.
Crankpins and the like, Detecting cracks in. T. Rogatchoff. 2,185,315; Jan. 2.
Crusher, Cone. J. W. Stevens. 2,185,528; Jan. 2.
Cultivator for vineyards. H. A. Jacobs and H. M. Armistead. 2,185,634; Jan. 2.
Cup, Oil. M. W. Bauman. 2,185,622; Jan. 2.
Curler, Eyelash. S. L. Snelrson. 2,185,230; Jan. 2.
Current collecting device. E. C. Ryan. 2,185,270; Jan. 2.
Current collector. E. A. Larsson. 2,185,257; Jan. 2.
Current collector. E. C. Ryan. 2,185,269; Jan. 2.
Current collector shoe. E. C. Ryan. 2,185,268; Jan. 2.
Curtain bracket, Adjustable. L. J. Rose. 2,185,385; Jan. 2.
Curtain rod support. H. J. Reedy and J. P. Marucco. 2,185,648; Jan. 2.
Cutter: *See*—
Inserted blade cutter. Rotary cutter.
Cutting mechanism. H. W. Bruker and H. F. Black. 2,185,885; Jan. 2.
Cutting tool. P. Luft. 2,185,673; Jan. 2.

Cylinder, Printing press. K. W. Higby. 2,185,766; Jan. 2.
Decalcomania. F. W. Humphner. 2,185,983; Jan. 2.
Delay composition. L. A. Burrows and W. E. Lawson. 2,185,371; Jan. 2.
Density responsive device. G. E. Beardsley, Jr., and J. S. Hasbrouck. 2,185,578; Jan. 2.
Desizing. S. I. Garnett. 2,185,548; Jan. 2.
Developing apparatus. L. D. Andrews. 2,185,620; Jan. 2.
Die casting machine. E. S. Bird. 2,185,625; Jan. 2.
Differential mechanism for typewriters and other machines, Controlled. H. K. Rider. 2,185,226; Jan. 2.
Digester apparatus. J. Fletcher. 2,185,962; Jan. 2.
Dipper, Excavating. W. M. Bager, M. L. Fykse, and G. W. Mork. 2,185,176; Jan. 2.
Direction indicator switch. J. E. Regnas. 2,185,569; Jan. 2.
Discharge device. M. Klopprogge. 2,185,852; Jan. 2.
Discharge device and manufacture, Electric. E. E. Charlton. 2,185,832; Jan. 2.
Discharge device, Cathode ray. H. W. Weinhart. 2,185,283; Jan. 2.
Disk sharpener. A. M. Randall. 2,185,519; Jan. 2.
Dispenser: *See*—
Condiment dispenser.
Dispenser. E. Ryba. 2,185,775; Jan. 2.
Dispenser for liquids. G. Binon. 2,185,288; Jan. 2.
Dispenser top for containers. W. H. Rose. 2,185,608; Jan. 2.
Dispersing mechanism, Making a. A. F. Krauss. 2,185,442; Jan. 2.
Dispensing receptacle. C. R. Jones. 2,185,896; Jan. 2.
Display and dispensing case, Combination. T. W. Turner. 2,185,935; Jan. 2.
Display apparatus, Electrically controlled selective. U. Hutchinson. 2,185,895; Jan. 2.
Display case. C. R. Anderson. 2,185,393; Jan. 2.
Display device. R. E. Paige. 2,185,866; Jan. 2.
Display sign. G. Michel. 2,185,674; Jan. 2.
Display stand. J. R. Carpenter. 2,185,244; Jan. 2.
Distillation method and apparatus. R. V. Kleinschmidt. 2,185,595; Jan. 2.
Distillation, Method and apparatus for. R. V. Kleinschmidt. 2,185,596; Jan. 2.
Distributor for burner outlets, Gas. H. E. Stein, Sr. 2,185,903; Jan. 2.
Doll. J. I. and A. I. Gorbea. 2,185,190; Jan. 2.
Door handle mounting. B. S. Floraday. 2,185,295; Jan. 2.
Door locking device, Automatic safety vehicle. A. S. Caponey. 2,185,909; Jan. 2.
Drying method and apparatus. E. Altenkirch. 2,185,760; Jan. 2.
Duplicating machine. J. J. Flanigan. 2,185,188; Jan. 2.
Dyes and preparing them, Merocyanine. L. G. S. Brooker. 2,185,182; Jan. 2.
Dyes and preparing them, Polymethine. G. H. Keyes and L. G. S. Brooker. 2,185,343; Jan. 2.
Dyeing composition and method, Hair. W. Kritchevsky. 2,185,467; Jan. 2.
Dyestuff pastes of dyestuffs of the dibenzanthrone class and preparing them. O. Stallmann. 2,185,871; Jan. 2.
Dyestuffs containing the pyrazolone ring, Metalliferous azo-. M. R. Schmid. 2,185,901; Jan. 2.
Dynamo-electric machine. C. J. Fechheimer. 2,185,728; Jan. 2.
Dynamo-electric machine. H. L. Smith. 2,185,740; Jan. 2.
Edge setting machine. W. Hamann. 2,185,504; Jan. 2.
Electric control system. B. D. Bedford. 2,185,700; Jan. 2.
Electric generator. R. C. Harris. 2,185,460; Jan. 2.
Electric heating iron, Automatic. G. C. Heinrich. 2,185,197; Jan. 2.
Electric initiator. L. A. Burrows and W. E. Lawson. 2,185,370; Jan. 2.
Electric switch. R. A. Wittmann. 2,185,490; Jan. 2.
Electrical snubbing device. C. Reimuller. 2,185,312–3; Jan. 2.
Electrical switch. O. Froland. 2,185,729; Jan. 2.
Electrode for thermionic tubes, Apertured. H. S. Bamford. 2,185,395; Jan. 2.
Electromagnetic counter unit. B. Cooper. 2,185,724; Jan. 2.
Electromagnetic device. D. D. Miller. 2,185,603; Jan. 2.
Electromagnetic vibratory motor. E. L. Barrett and J. Bertschi. 2,185,683; Jan. 2.
Electro-optical image device. H. G. Lubszynski and H. Miller. 2,185,857; Jan. 2.
Electrostatic condenser. L. G. Thomas. 2,185,777; Jan. 2.
Electron gun for cathode ray tubes. I. G. Maloff, D. W. Epstein, and K. R. Wendt. 2,185,378; Jan. 2.
Electron multiplier. E. Brüche and E. Steudel. 2,185,172; Jan. 2.
Electron multiplier. E. Steudel and R. Orthuber. 2,185,611; Jan. 2.
Electronic image indicating device. J. D. McGee, G. S. P. Freeman, and W. S. Brown. 2,185,601; Jan. 2.
Elevator system. F. L. Kebelman. 2,185,748; Jan. 2.
Emptying apparatus for diffusers, pulp bins, and the like, for the manufacture of cellulose and paper. O. Qviller. 2,185,567; Jan. 2.
Emulsions, Breaking. H. B. Pearson, Jr. 2,185,710; Jan. 2.
Endorsing machine, Electrical. W. F. Muller. 2,185,797; Jan. 2.
Energizer for gas engines. A. L. Parker. 2,185,564; Jan. 2.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine bed underframe. E. J. W. Ragsdale and A. G. Dean. 2,185,988; Jan. 2.
Engine cylinder mounting. H. Hirth. 2,185,848; Jan. 2.
Engines, Precombustion chamber for Diesel. F. Koch. 2,185,918; Jan. 2.
Envelope. H. Dahlhaus. 2,185,401; Jan. 2.
Erasing device. N. H. Durst. 2,185,432; Jan. 2.
Ester salts, Preparing sulpho-carboxylic. F. J. Cahn and M. B. Katzman. 2,185,455; Jan. 2.
Esters and their production, Organic. W. E. Gloor. 2,185,297; Jan. 2.
Ethers of alkylphenols, Thiocyano-alkyl. G. H. Coleman and C. L. Moyle. 2,185,183; Jan. 2.
Ethers of alkyl-halophenols, Thiocyano-alkyl. G. H. Coleman and C. L. Moyle. 2,185,184; Jan. 2.
Ethers of halo-phenols, Thiocyano-alkyl. G. H. Coleman. 2,185,185; Jan. 2.
Ethers of the cyclohexyl phenols, Thiocyano-alkyl. J. E. Livak. 2,185,207; Jan. 2.
Ethers of the phenylphenols, Thiocyano-alkyl. J. E. Livak, G. H. Coleman, and C. L. Moyle. 2,185,208; Jan. 2.
Ethylene, Manufacture of. F. Porter and J. M. Duncan. 2,185,566; Jan. 2.
Explosive, Ammonium nitrate. C. O. Davis. 2,185,248; Jan. 2.
Extruding apparatus. J. S. Boyle. 2,185,701; Jan. 2.
Fabric and making same. C. M. Croft. 2,185,627; Jan. 2.
Fabrics, Method and means for producing knitted elastic. G. Gastrich and H. E. Haehnel. 2,185,844; Jan. 2.
Fan. E. L. Anderson. 2,185,718; Jan. 2.
Fastener: *See*—
Belt fastener. Trim fastener.
Strap fastener.
Fastener. L. J. Hill. 2,185,553; Jan. 2.
Fastener attachment machine, Separable. M. and M. J. Kiessling. 2,185,769; Jan. 2.
Fastening-inserting machine. P. Brauner. 2,185,426; Jan. 2.
Fastening means, Sheet metal. W. Schoeniger. 2,185,274; Jan. 2.
Faucet, Beer. F. E. Rice. 2,185,267; Jan. 2.
Feed mechanism for labeling machines, Pack. C. H. Neer. 2,185,947; Jan. 2.
Feed water heater. S. Q. Bates. 2,185,177; Jan. 2.
Feedback amplifier filter. H. A. Wheeler. 2,185,389; Jan. 2.
Feeding and indexing mechanism for machine tools. D. D. Myers. 2,185,351; Jan. 2.
Ferrous alloy, Corrosion resistant. J. A. Parsons, Jr. 2,185,987; Jan. 2.
Fibrous material, Method of and apparatus for forming. C. L. Norton. 2,185,417; Jan. 2.
Fibrous materials, Treatment of. K. Brodersen, M. Quaedvlieg, M. Zabel, and A. Schneider. 2,185,427; Jan. 2.
Filaments, bands, films, and other shaped articles composed of polymerization products of diene hydrocarbons, Hardening. H. I. Waterman and W. L. J. de Nie. 2,185,656; Jan. 2.
Filing device, Card. W. H. Seeley. 2,185,869; Jan. 2.
Filing means, Large size vertical. H. L. De Lisle. 2,185,763; Jan. 2.
Filling valve. R. W. Dinzl. 2,185,402; Jan. 2.
Film feeding mechanism. A. G. Mestler. 2,185,862; Jan. 2.
Filter: *See*—
Feedback amplifier filter.
Filter. H. R. Tear. 2,185,281; Jan. 2.
Filter grip for cigarette holders. E. Lackow and M. Prozan. 2,185,598; Jan. 2.
Filter press filler block. T. E. Raymond. 2,185,314; Jan. 2.
Filtering machine. C. C. Schaefer. 2,185,868; Jan. 2.
Filtering medium, Microporous rubber. A. E. Brooks. 2,185,586; Jan. 2.
Fire-detecting cable. W. G. Holmes. 2,185,944; Jan. 2.
Fire detector. R. C. Towne. 2,185,361; Jan. 2.
Firearm. F. J. Routledge. 2,185,523; Jan. 2.
Fireplace. A. R. Fredlund. 2,185,788; Jan. 2.
Fireplace boiler. C. H. Ham. 2,185,665; Jan. 2.
Fireproofing cellulosic fibrous materials. R. R. Oliver. 2,185,695; Jan. 2.
Fish lure. L. Mann. 2,185,771; Jan. 2.
Fishhook guard. W. G. Knapp. 2,185,507; Jan. 2.
Fish lure. B. S. Hurdle. 2,185,668; Jan. 2.
Fishing gear. A. D. Hill, Jr. 2,185,666; Jan. 2.
Flare, Fuse. P. E. Damon. 2,185,800; Jan. 2.
Fluid handling apparatus. E. C. Hassler. 2,185,338; Jan. 2.
Fluid pressure producing device. P. H. Mistral. 2,185,264; Jan. 2.
Foil product. G. Ruoff. 2,185,649; Jan. 2.
Folding box. A. W. Lovejoy. 2,185,510; Jan. 2.
Food product. B. H. Webb. 2,185,451; Jan. 2.

Footrest for easy chairs, Extendible. L. Johnson. 2,185,813; Jan. 2.
Footwear. R. M. Cox. 2,185,762; Jan. 2.
Form for ledger cards, Duplicating statement. B. S. Davis. 2,185,662; Jan. 2.
Frame: *See*—
Adjustable frame. Tubular frame.
Freezer, Ice cream. J. W. Meyer, Jr. and A. Ruttiman. 2,185,643; Jan. 2.
Frequency changer. W. P. Overbeck. 2,185,418; Jan. 2.
Frequency divider. W. E. Kock and J. F. Jordan. 2,185,635; Jan. 2.
Frequency stabilizer. R. Orthuber and E. Steudel. 2,185,606; Jan. 2.
Fuel feed control mechanism. B. F. Bower. 2,185,686; Jan. 2.
Fuel feed for internal combustion engines. C. E. Spindler. 2,185,573; Jan. 2.
Fuel pulverizing apparatus. R. M. Hardgrove. 2,185,459; Jan. 2.
Furfuryl N-morpholine alkyl halide medicinal preparation. F. P. Nabenhauer. 2,185,219; Jan. 2.
Furnace: *See*—
Heating furnace. Stoker furnace.
Furnace for the continuous annealing of bands, sheets, and wires. E. Vits. 2,185,655; Jan. 2.
Gain control, Automatic. B. Trevor. 2,185,612; Jan. 2.
Game. M. A. C. Johnson. 2,185,556; Jan. 2.
Game apparatus. H. C. Bartholomew. 2,185,306; Jan. 2.
Game apparatus, Educational. W. Spiro. 2,185,232; Jan. 2.
Garment and the like, Ruffled. A. N. Spánel. 2,185,527; Jan. 2.
Garment bag. J. D. Hargis. 2,185,688; Jan. 2.
Garment hanger. I. Klein. 2,185,253; Jan. 2.
Gas burner. H. C. Caldwell. 2,185,886; Jan. 2.
Gas mixture, Generating a combustible. H. Gault. 2,185,549; Jan. 2.
Gaseous discharge tube. K. J. Germeshausen. 2,185,189; Jan. 2.
Gaskets, Making. G. T. Balfe. 2,185,908; Jan. 2.
Gasolines, Desulphurization of. A. Voorhies, Jr. and E. E. Stahly. 2,185,577; Jan. 2.
Gear: *See*—
Change-speed gear. Landing gear.
Fishing gear.
Generator: *See*—
Electric generator.
Generators, Regulating electric steam. M. Eaton. 2,185,786; Jan. 2.
Glove and making the same, Knitted. M. Bialostok. 2,185,720; Jan. 2.
Gold, silver, palladium, or the like, Removing. S. R. Mason. 2,185,858; Jan. 2.
Golf bag. H. D. Gihon, III. 2,185,706; Jan. 2.
Governor. W. E. Leibing. 2,185,793; Jan. 2.
Gravity balance, Multiple component. L. W. Blau. 2,185,582; Jan. 2.
Grinding apparatus. A. B. Knight. 2,185,344; Jan. 2.
Grinding machine. G. Crompton, Jr. 2,185,837; Jan. 2.
Guard, Leg. R. H. Cheney. 2,185,456; Jan. 2.
Guide construction for corrugating machines. H. W. Bruker and C. S. Thorn. 2,185,884; Jan. 2.
Guide for strip mills or the like. E. Brangle and V. Kolasinski. 2,185,657; Jan. 2.
Hair washer and rinser. M. P. Bond. 2,185,495; Jan. 2.
Hair wave apparatus. A. Werner and S. Carlsson. 2,185,906; Jan. 2.
Hammer, Power. A. W. Mall. 2,185,471; Jan. 2.
Handling device. A. E. Nenstiel. 2,185,561; Jan. 2.
Hanger: *See*—
Garment hanger.
Harrow. R. J. Altgelt and C. H. Gemberling. 2,185,880; Jan. 2.
Harvesting machine, Beet. G. Michael. 2,185,350; Jan. 2.
Hat. M. J. Marks. 2,185,306; Jan. 2.
Hat. L. O. Wisman. 2,185,717; Jan. 2.
Headlight. C. A. Lanoue. 2,185,203; Jan. 2.
Headlight, Automobile. P. A. Herman. 2,185,438; Jan. 2.
Heat balancer. D. N. Crosthwait, Jr. and E. G. Powell. 2,185,500; Jan. 2.
Heat exchange apparatus. A. J. Larrecq. 2,185,964; Jan. 2.
Heat exchange devices, Making. L. W. Welch and A. F. Millington. 2,185,485; Jan. 2.
Heat transfer process. A. A. Levine and O. W. Cass. 2,185,639; Jan. 2.
Heater: *See*—
Car heater. Feed water heater.
Heater. L. W. Welch and A. F. Millington. 2,185,484; Jan. 2.
Heater for bituminous materials and the like, Immersion. G. P. Kittel. 2,185,594; Jan. 2.
Heating apparatus. E. J. Dillman. 2,185,978; Jan. 2.
Heating device for pyrography and soldering iron. F. Raffles. 2,185,266; Jan. 2.
Heating furnace. L. L. Anthes, F. E. Ellis, and G. E. Pallister. 2,185,365; Jan. 2.
Heating pad. N. H. McCleary. 2,185,602; Jan. 2.
Heel-seat fitting machine. J. W. Pratt. 2,185,420; Jan. 2.
Hinge structure for automobile hoods or the like, Compensating. A. Claud-Mantle. 2,185,212–4; Jan. 2.
Hitch. S. M. Young. 2,185,454; Jan. 2.
Hitch pin. C. E. Smith. 2,185,447; Jan. 2.
Hobs, Making. J. Edgar. 2,185,839; Jan. 2.
Hog stunning pen. R. W. Regensburger. 2,185,949; Jan. 2.
Hoist. A. H. Carson and R. O. Anderson. 2,185,498; Jan. 2.
Holder: *See*—
License plate holder. Range rod holder.
Package and match holder. Thread end holder.
Hood for motor vehicles, Disappearing. M. Bessonneau. 2,185,581; Jan. 2.
Hook: *See*—
Snap hook.
Hook. H. D. McNaught. 2,185,921; Jan. 2.
Hose attachment. L. F. and H. E. Sorg. 2,185,741; Jan. 2.
Hull construction of a boat. J. A. Johnson. 2,185,555; Jan. 2.
Hull, High speed displacement type. W. S. Burgess. 2,185,430–1; Jan. 2.
Hydraulic pump. E. S. Emmons. 2,185,727; Jan. 2.
Hydraulic pump jack. J. H. Suter. 2,185,448; Jan. 2.
Hydraulic remote control. W. Steizer. 2,185,277; Jan. 2.
Hydrocarbons, Making unsaturated. F. Rostler and V. Mehner. 2,185,952; Jan. 2.
Hydrocarbons, Production of polymerized unsaturated. F. Rostler and V. Mehner. 2,185,951; Jan. 2.
Hydrometer. C. E. Linebarger. 2,185,205; Jan. 2.
Ice block forming and dispensing device. R. A. Bayne. 2,185,241; Jan. 2.
Illuminated container, Translucent internally. G. H. Meyerricks. 2,185,708; Jan. 2.
Impulse coupling. C. F. Reis. 2,185,818; Jan. 2.
Identification pull device for slide fasteners, Interchangeable. G. D. Knoess. 2,185,853; Jan. 2.
Indexing systems, Selective. R. Stuart. 2,185,233; Jan. 2.
Induction motor. J. H. Schurch. 2,185,990; Jan. 2.
Ink and making same, Printing. R. Bronsztajn. 2,185,181; Jan. 2.
Inserted blade cutter. R. R. Weddell. 2,185,487; Jan. 2.
Instrument. A. F. Spitzglass. 2,185,276; Jan. 2.
Instrument, Fluid pressure responsive. G. Achtel, K. Schilling, and K. Misch. 2,185,971; Jan. 2.
Instrument for measuring light reflectivity. G. J. Lane. 2,185,690; Jan. 2.
Insufflator. H. A. Shelanski. 2,185,927; Jan. 2.
Insulating material, Producing an inorganic. K. Stückardt and R. Reichmann. 2,185,280; Jan. 2.
Internal combustion engine. C. D. Johnson. 2,185,506; Jan. 2.
Internal combustion engine. V. W. Kliesrath. 2,185,254; Jan. 2.
Iron: *See*—
Electric heating iron.
Iron and steel, Direct batch process for the production of. F. Eulenstein and A. Krus. 2,185,911; Jan. 2.
Iron, Producing malleable. A. G. E. Hultgren. 2,185,894; Jan. 2.
C. M. Ellenberger. 2,185,804; Jan. 2.
Jack: *See*—
Hydraulic pump jack.
Jack. A. J. Ricker. 2,185,476; Jan. 2.
Jack for motor vehicles. O. Lanzarone. 2,185,856; Jan. 2.
Journal bearing. R. J. Harry. 2,185,664; Jan. 2.
Journal box lubricator. F. C. Langdon. 2,185,792; Jan. 2.
Keeper inserter. H. W. Kulp. 2,185,346; Jan. 2.
Keying system. C. W. Hansell. 2,185,192; Jan. 2.
Keying system. A. Kahn. 2,185,199; Jan. 2.
Knitting machines, Tension-regulating device for the draw-off mechanism of full-fashioned. F. Lambach. 2,185,963; Jan. 2.
Knob and spindle mechanism for door latches. J. Miller. 2,185,863; Jan. 2.
Lamp cathodes, Arc. J. Parisot. 2,185,679; Jan. 2.
Landing gear, Retractable. O. A. Swanson. 2,185,235; Jan. 2.
Latch for metallic grave vaults. A. F. Beck. 2,185,326; Jan. 2.
Lavatory and clothes wringer, Combination. R. A. McManimen. 2,185,307; Jan. 2.
Lavatory or washbasin. H. G. Coordes. 2,185,186; Jan. 2.
License plate holder, Automobile. T. E. Eckler. 2,185,787; Jan. 2.
License plate, Vehicle. J. P. Meehan. 2,185,945; Jan. 2.
Lift for tractor buck rakes, Automatic. G. W. Lewis. 2,185,794; Jan. 2.
Lighter, Gas. C. F. Larsen. 2,185,204; Jan. 2.
Lighting device. H. C. Noe. 2,185,694; Jan. 2.
Lighting device for use on bicycles and the like. J. G. McComb. 2,185,600; Jan. 2.
Linoxin-like material and process of manufacture. R. Priester. 2,185,967; Jan. 2.
Lipins and preparing the same, Clear aqueous solutions of. H. E. Schultze. 2,185,969; Jan. 2.
Liquid cooling means and container therefor. K. R. Blake. 2,185,799; Jan. 2.
Liquid dripping apparatus. H. C. Kyler. 2,185,444; Jan. 2.

Liquid filling machine. C. Kraus and V. C. Lufft. 2,185,201; Jan. 2.
Locket construction. L. C. Mark. 2,185,641; Jan. 2.
Locking box. T. H. Gagen. 2,185,764; Jan. 2.
Locking device and the like, Jail. F. Adams. 2,185,175; Jan. 2.
Locking mechanism for presses and the like, Safety. R. W. Glasner and E. K. Johansen. 2,185,551; Jan. 2.
Locomotive. T. H. Fawcett. 2,185,403; Jan. 2.
Louver construction. G. N. Rowley. 2,185,712; Jan. 2.
Lubricating device. H. R. Tear. 2,185,282; Jan. 2.
Lubricating device, Intermittent. J. O. Heinze. 2,185,631; Jan. 2.
Lubricator: *See*—
Journal box lubricator. Rail lubricator.
Machine for slitting well casings and the like. G. E. Green. 2,185,337; Jan. 2.
Machine for spreading pulverized materials. J. E. Miles. 2,185,415; Jan. 2.
Machine for stapling diversified work. R. E. Peterson and H. M. Larsen. 2,185,751; Jan. 2.
Machine for the manufacture of porous pipe. K. Klemschofski. 2,185,597; Jan. 2.
Manifold unit and producing the same. G. F. Brisendine. 2,185,721; Jan. 2.
Manifold transfer device. G. U. Lacroix. 2,185,815; Jan. 2.
Map. H. R. Jensen. 2,185,689; Jan. 2.
Maps, Making relief. J. E. C. de Victoria Pereira. 2,185,924; Jan. 2.
Marker for filing systems. C. H. Tomkinson. 2,185,696; Jan. 2.
Marker, Road. C. M. White, Jr. 2,185,488; Jan. 2.
Material, Composite. H. F. Robertson. 2,185,356; Jan. 2.
Material, Cutting and joining sheet. R. L. and R. W. Penn and N. H. Nye. 2,185,647; Jan. 2.
Mattresses, Apparatus for sewing. M. Goldberg. 2,185,251; Jan. 2.
Measure, Steel band. P. H. Kreutz. 2,185,443; Jan. 2.
Measuring and integrating device. E. S. Jefferies. 2,185,767; Jan. 2.
Medicinal agent. G. A. Alles. 2,185,824; Jan. 2.
Medicinal agent. F. P. Nabenhauer. 2,185,220; Jan. 2.
Metal compositions. E. A. Lederer. 2,185,410; Jan. 2.
Metal container. C. E. McManus, R. J. Stewart, and G. Goebel. 2,185,216; Jan. 2.
Milk sampler. J. Sollie. 2,185,651; Jan. 2.
Mill. M. Vogel-Jorgensen. 2,185,960; Jan. 2.
Minerals, Purification of rock. O. C. Ralston. 2,185,224; Jan. 2.
Mold for refractory cast materials. J. C. McMullen. 2,185,772; Jan. 2.
Molding machine for plastics. E. R. Odom. 2,185,678; Jan. 2.
Mop, Dust. J. A. Underhill. 2,185,873; Jan. 2.
Mop, Wringer. C. Fatland. 2,185,502; Jan. 2.
Motion transmitter. V. V. Veenschoten. 2,185,449; Jan. 2.
Motor: *See*—
Electromagnetic vibratory motor. Induction motor.
Outboard motor.
Motor control, Electric. G. C. Pearce. 2,185,517; Jan. 2.
Motor mounting. J. J. McCabe and P. E. Frantz. 2,185,215; Jan. 2.
Motor support. J. J. Janca. 2,185,375; Jan. 2.
Motor vehicle. H. A. Flogaus. 2,185,842; Jan. 2.
Mounting: *See*—
Door handle mounting. Motor mounting.
Engine cylinder mounting.
Mounting and slide operating means, Curtain and drape. A. Marchand. 2,185,305; Jan. 2.
Mounting for electrical apparatus. J. F. Nielsen. 2,185,562; Jan. 2.
Mounting for instruments, Chart. J. D. Cunningham. 2,185,294; Jan. 2.
Mower. R. D. Clemson. 2,185,833; Jan. 2.
Mower, Automatic electric lawn. P. Chernow. 2,185,659. Jan. 2.
Muffler. H. H. Boyce. 2,185,584; Jan. 2.
Muffler. Z. Wilman. 2,185,489; Jan. 2.
Multiplying machine. N. M. Wood. 2,185,697; Jan. 2.
Musical instrument. H. J. P. Skinner. 2,185,932; Jan. 2.
Musical instrument, Stringed. L. A. Loar. 2,185,734; Jan. 2.
N-substituted lutidones, Preparation of. A. B. Boese, Jr. 2,185,243; Jan. 2.
Needle threading device. R. Brown. 2,185,722; Jan. 2.
Nitriles of alpha-naphthyl substituted lower fatty acids, Preparing the. J. Weijlard and W. H. Engels. 2,185,237; Jan. 2.
Nitrogenous condensation products and producing the same. H. Ulrich and K. Kuespert. 2,195,480; Jan. 2.
Notching machine. C. J. Gross. 2,185,437; Jan. 2.
Novelty, Advertising. L. H. Amdur. 2,185,392; Jan. 2.
Oil distillates for the removal of mercaptans, Treating hydrocarbon. W. W. Johnstone. 2,185,768; Jan. 2.
Oil, Method of and apparatus for converting. P. S. Nisson. 2,185,516; Jan. 2.
Oil saver, Oil well. J. P. Sparr. 2,185,925; Jan. 2.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,185,757; Jan. 2.
Oils, Cracking hydrocarbon. C. W. Nofsinger and D. T Shaw. 2,185,222; Jan. 2.
Oils, Cracking of hydrocarbon. P. C. Keith, Jr., and J. K. Roberts. 2,185,200; Jan. 2.
Oils, Refining hydrocarbon. D. F. Gould. 2,185,406; Jan. 2.
Oils, Refining mineral. J. A. Buchel and R. N. Jan Saal. 2,185,291; Jan. 2.
Oils, Treating. R. S. McKinney. 2,185,414; Jan. 2.
Oiling device. R. O. Allen. 2,185,240; Jan. 2.
Olefins into valuable higher molecular products, Conversion of. W. Flemming and W. Baumeister. 2,185,405; Jan. 2.
Oleo device for landing gears and the like. T. de Port. 2,185,801–2; Jan. 2.
Ores and flotation agents therefor, Concentrating. A. W. Ralston, W. O. Pool, and J. Harwood. 2,185,968; Jan. 2.
Ores, Treatment of chromium. I. E. Muskat and N. Howard. 2,185,218; Jan. 2.
Ornamental object. R. N. Barrett. 2,185,492; Jan. 2.
Oscillograph apparatus. R. H. George. 2,185,373; Jan. 2.
Outboard motor. W. C. Conover. 2,185,457; Jan. 2.
Package and match holder, Cigarette. J. E. Heraty. 2,185,299; Jan. 2.
Package accessory. J. M. Murphy and T. A. Burba, Jr. 2,185,605; Jan. 2.
Packaging, Method and apparatus for. G. G. Platt and G. D. Omohundro. 2,185,353; Jan. 2.
Packing member and blank therefor. C. K. Lavere. 2,185,637; Jan. 2.
Pad: *See*—
Heating pad.
Padlock. C. H. Nehls. 2,185,899; Jan. 2.
Paper, Coating. P. J. Massey. 2,185,859; Jan. 2.
Paper making machine. G. J. Forman. 2,185,913; Jan. 2.
Paper or other materials, more especially for the protection of vegetable and animal goods during storage, Impregnation of. A. Ryner. 2,185,954; Jan. 2.
Paving. M. H. Irvine. 2,185,341; Jan. 2.
Pectin and its manufacture. P. B. Myers and W. W. Cowgill. 2,185,472; Jan. 2.
Pelt stretching apparatus. C. F. Jureczki. 2,185,441; Jan. 2.
Petroleum and like oils, Apparatus for converting. T. P. Simpson, J. W. Payne, J. A. Crowley, Jr., and C. S. Teitsworth. 2,185,931; Jan. 2.
Petroleum and like oils, Converting. T. P. Simpson, J. W. Payne, J. A. Crowley, Jr., and C. S. Teitsworth. 2,185,930; Jan. 2.
Petroleum hydrocarbons, Preventing the corrosive action of sulphur-bearing. T. L. McGee. 2,185,380; Jan. 2.
Phonograph. A. V. Bedford. 2,185,882; Jan. 2.
Phosphorescent screens, Optionally altering the afterglow period of. H. Hinderer. 2,185,439; Jan. 2.
Photoelectric exposure determining apparatus. H. F. Tönnies. 2,185,934; Jan. 2.
Photograph and motion picture, Three dimensional. T. H. Nakken. 2,185,221; Jan. 2.
Photographic apparatus and method. W. H. and E. C. Harrison. 2,185,847; Jan. 2.
Photographic emulsion. R. Stevens. 2,185,798; Jan. 2.
Photographic film, Device for viewing. E. W. Kellogg and D. O. Landis. 2,185,252; Jan. 2.
Phototube. J. T. Tykociner, J. Kunz, and L. P. Garner. 2,185,531; Jan. 2.
Piano key and action combination. A. H. Morse and C. Pieper. 2,185,644; Jan. 2.
Picture transmission system. A. Karolus. 2,185,302; Jan. 2.
Picture transmission system, Color. W. G. H. Finch. 2,185,806; Jan. 2.
Piezoelectric apparatus. W. P. Mason. 2,185,599; Jan. 2.
Pin: *See*—
Hitch pin.
Pipes with cementitious material, Lining of. H. Ridley. 2,185,570; Jan. 2.
Piston rings, Apparatus for making. R. S. Newton. 2,185,382; Jan. 2.
Plants, Method and solution for preventing freezing of. O. P. Greenstreet and T. C. Hall. 2,185,663; Jan. 2.
Plate with channels, Screening. L. B. Schibbye. 2,185,955; Jan. 2.
Platen printing press. L. R. Johnson. 2,185,440; Jan. 2.
Plow, Lister. C. J. Ray. 2,185,520; Jan. 2.
Pot, Melting. D. V. McParlin. 2,185,376; Jan. 2.
Powder aggregate, Metallic. C. P. Harris. 2,185,194; Jan. 2.
Powder, Dusting. R. Beutner. 2,185,178; Jan. 2.
Power plant, Elastic fluid. G. Diedrich. 2,185,803; Jan. 2.
Preservative, Wood. K. Wolman and R. Huber. 2,185,533; Jan. 2.
Press: *See*—
Platen printing press.
Pressure reducing apparatus. P. Spence. 2,185,713; Jan. 2.
Pressure release, Automatic. G. G. Guthrie. 2,185,461; Jan. 2.
Printing cylinder pressure system. L. P. Albaugh. 2,185,743; Jan. 2.
Printing form, Inking a. G. M. Keller. 2,185,342; Jan. 2.
Printing machine. C. G. Quick, C. H. Skinner, and M. E. B. Evans. 2,185,310; Jan. 2.

Prong extender for a paper fastener. H. D. Snyder. 2,185,231; Jan. 2.
Propeller driving mechanism. M. M. Egan. 2,185,545; Jan. 2.
Pulverizer. R. D. Conway. 2,185,331; Jan. 2.
Puller: *See*—
Weed puller.
Pump: *See*—
Hydraulic pump. Rotary pump.
Pump. J. Corydon and R. Lowe. 2,185,784; Jan. 2.
Pumps, Apparatus for testing the output of. L. Hartridge. 2,185,943; Jan. 2.
Punching machine. R. T. Blakely. 2,185,685; Jan. 2.
Purse, Coin. N. H. Swanson. 2,185,359; Jan. 2.
Radiator cores, Apparatus for straightening and squaring. H. S. Munch and M. G. Boerger. 2,185,381; Jan. 2.
Radio receiving system. G. V. Gerardi. 2,185,336; Jan. 2.
Rail flaw detector mechanism. H. C. Drake and W. M. Perry. 2,185,589; Jan. 2.
Rail lubricator. W. C. Heidenthal. 2,185,810; Jan. 2.
Rail tie and rail securing device, Mine. J. and S. Morano. 2,185,946; Jan. 2.
Raking and lifting attachment for a tractor. C. Kimmel. 2,185,409; Jan. 2.
Range finder, Coupled. O. Liebmann. 2,185,377; Jan. 2.
Range rod holder. W. H. Duerr. 2,185,838; Jan. 2.
Reactance device. G. Peterson. 2,185,355; Jan. 2.
Reactions in the presence of a contact mass, Conducting. T. P. Simpson, J. W. Payne, J. A. Crowley, Jr., and C. S. Teitsworth. 2,185,929; Jan. 2.
Receptacle: *See*—
Bobbin receptacle. Dispensing receptacle.
Receptacle. H. Larson. 2,185,770; Jan. 2.
Record, Method of and apparatus for making a motion picture. T. Stephen and R. K. Parsell. 2,185,610; Jan. 2.
Refrigerating and dispensing apparatus. C. A. Rodman. 2,185,754; Jan. 2.
Refrigerating apparatus. E. B. Newill. 2,185,965; Jan. 2.
Refrigerating apparatus. E. F. Schweller. 2,185,228; Jan. 2.
Refrigeration. D. Crampton. 2,185,332; Jan. 2.
Refrigerator. L. Ruthenburg. 2,185,953; Jan. 2.
Resinous laminated product and method of manufacture. W. R. Thompson and W. E. Flood. 2,185,477; Jan. 2.
Rims and the like, Forming vehicle wheel. F. H. Le Jeune. 2,185,347; Jan. 2.
Ring: *See*—
Sealing ring.
Rivets, Method and apparatus for upsetting hollow. G. W. Deshon and P. E. M. Amann. 2,185,939; Jan. 2.
Road-building apparatus. J. H. Mosel. 2,185,645; Jan. 2.
Roasting device. J. A. Dumas. 2,185,979; Jan. 2.
Roll grinding machine. N. J. Ritzert. 2,185,737; Jan. 2.
Roll, Manufacturing a printing. J. Rockoff. 2,185,738; Jan. 2.
Roller chain. N. C. Bremer. 2,185,702; Jan. 2.
Rotary cutter. G. De Vlieg. 2,185,187; Jan. 2.
Rotary engine. R. A. Brunet. 2,185,428; Jan. 2.
Rotary pump. C. L. Cady. 2,185,992; Jan. 2.
Rubber to form cushion grips for steering wheels, Shaping air filled. M. B. Ratner. 2,185,568; Jan. 2.
Safety automatic stopping device for automobiles and the like vehicles. K. Yamada. 2,185,936; Jan. 2.
Safety guard for die presses. E. H. Hall. 2,185,298; Jan. 2.
Safety pilot, Automatic. C. S. Andersen. 2,185,423; Jan. 2.
Safety valve, Combined automatic and manually controlled. J. S. Andrews. 2,185,364; Jan. 2.
Salad dressing, Preparing. D. C. Ingraham and W. Wong. 2,185,465; Jan. 2.
Sales apparatus, Automatic. R. Stra. 2,185,872; Jan. 2.
Sampling device. J. E. Valentine. 2,185,386; Jan. 2.
Sander mechanism. A. W. Sudbury. 2,185,234; Jan. 2.
Sanitary fixture. H. R. Dennis. 2,185,887; Jan. 2.
Sash construction. V. E. Peterson. 2,185,735; Jan. 2.
Saucepan, Lock lid strainer. R. F. Krause and G. G. Sill. 2,185,897; Jan. 2.
Scaffolding. C. C. Pimm. 2,185,948; Jan. 2.
Screw driver. S. J. Cox. 2,185,910; Jan. 2.
Seal, Double wipe fluid. T. O. Kosatka and J. A. Antonelli. 2,185,790; Jan. 2.
Seal for shafts. J. T. Janette. 2,185,554; Jan. 2.
Seal, Soot blower. R. H. Wager. 2,185,450; Jan. 2.
Sealing device. F. A. Jimerson. 2,185,812; Jan. 2.
Sealing-in machine. J. F. Donovan and F. J. Malloy. 2,185,704; Jan. 2.
Sealing ring. N. Heyman. 2,185,811; Jan. 2.
Seat: *See*—
Toilet seat.
Seat track and riser. R. C. Jacobs. 2,185,301; Jan. 2.
Securing means for beef wrappers, Auxiliary. S. Bohte. 2,185,583; Jan. 2.
Sedimentation process and apparatus. J. V. N. Dorr, W. C. Weber, G. M. Darby, and E. J. Roberts. 2,185,785; Jan. 2.
Seed treating machine. O. L. Kettenbach. 2,185,408; Jan. 2.
Selective switch. C. N. Hickman. 2,185,374; Jan. 2.
Separator: *See*—
Centrifugal separator. Sheet separator.
Shaft packing. C. E. Wiessner. 2,185,876; Jan. 2.
Sharpening device for razor blades. B. Meitner. 2,185,922; Jan. 2.
Shaving composition, Saponaceous. H. Kröper and E. Thomae. 2,185,255; Jan. 2.
Sheathing to insulated conductors, Method of and apparatus for applying metal. J. D. Burby. 2,185,429; Jan. 2.
Sheet separator. G. Spiess. 2,185,652; Jan. 2.
Shipping container. F. B. Martin. 2,185,920; Jan. 2.
Shoe. S. Troy. 2,185,362; Jan. 2.
Shoe manufacture. D. I. Haskell. 2,185,993–5; Jan. 2.
Shoe stretcher. F. N. Hall. 2,185,765; Jan. 2.
Shoes, Apparatus for making. A. W. Dunn. 2,185,941; Jan. 2.
Shoemaker's clamp. R. A. Simpson. 2,185,358; Jan. 2.
Shuttering device for the building of ferroconcrete structures. M. McAlpine. 2,185,860; Jan. 2.
Shuttle drive for circular looms, Mechanical. O. Schwichtenberg. 2,185,446; Jan. 2.
Sign: *See*—
Changeable sign. Display sign.
Sighting apparatus for use on aircraft. E. C. Horsley. 2,185,633; Jan. 2.
Signal: *See*—
Tactual signal.
Signal transmitter, Synchronization. K. Schlesinger. 2,185,445; Jan. 2.
Signal wave modulation. W. R. Bennett. 2,185,684; Jan. 2.
Signaling system. F. S. Kinkead. 2,185,851; Jan. 2.
Signaling system, Multiplex. P. Mertz. 2,185,693; Jan. 2.
Slide rest mechanism. R. J. Fridlund. 2,185,630; Jan. 2.
Slider for slide fasteners. A. E. Carlile. 2,185,658; Jan. 2.
Smoke consumer, Locomotive. F. G. Stephens. 2,185,278; Jan. 2.
Smoke lifter for locomotives. J. G. Blunt. 2,185,242; Jan. 2.
Snap hook. L. C. Doane. 2,185,703; Jan. 2.
Soap and the like, Apparatus for making, removing, and processing. B. H. Thurman. 2,185,653; Jan. 2.
Sole, Sole modifying inner. B. J. Silver. 2,185,526; Jan. 2.
Solvent recovery. E. G. Ragatz and D. E. McFaddin. 2,185,311; Jan. 2.
Spark intensifier. G. D. Crawford. 2,185,938; Jan. 2.
Speed varying mechanism. D. E. and E. F. Lewellen. 2,185,411; Jan. 2.
Spike, Resilient railway. H. G. Warr. 2,185,877; Jan. 2.
Spinning ring and traveler therefor. H. E. Herr. 2,185,892; Jan. 2.
Splint, Bone setting. R. Anderson. 2,185,322; Jan. 2.
Split crank bearing. W. E. Hubbard. 2,185,917; Jan. 2.
Spout for liquid containers and attaching the same thereto. R. C. Masterson. 2,185,413; Jan. 2.
Sprayer. R. Bernhardt. 2,185,534; Jan. 2.
Stand: *See*—
Display stand.
Stapling device and method. E. R. Posnack. 2,185,518; Jan. 2.
Starch product, Making a potato. W. S. Bowen. 2,185,368; Jan. 2.
Static pressure valve. G. T. Downey. 2,185,889; Jan. 2.
Steel, High-speed. E. B. Welch and L. G. Firth. 2,185,616–7; Jan. 2.
Steel, High-speed. E. B. Welch and L. G. Firth. 2,185,618–9; Jan. 2.
Steel members and the product thereof, Preparing high manganese. F. T. Ward. 2,185,483; Jan. 2.
Steering post, Adjustable. L. Tveidt. 2,185,779; Jan. 2.
Stoker furnace. C. L. Myers. 2,185,865; Jan. 2.
Stool for molds for casting metal. C. H. Aldrich. 2,185,390; Jan. 2.
Stop motion and belt shipper mechanism, Combination. W. J. Scott. 2,185,319; Jan. 2.
Stove. A. G. Sherman. 2,185,275; Jan. 2.
Straightening machine. F. Ungerer. 2,185,481; Jan. 2.
Strainer. T. D. McHale. 2,185,512; Jan. 2.
Strand winding machine. F. C. Berger. 2,185,883; Jan. 2.
Strap fastener. G. J. Gilmore. 2,185,891; Jan. 2.
Strap, One-piece adjustable. M. A. Benowitz. 2,185,425; Jan. 2.
Strap, Lug. B. T. Clark. 2,185,585; Jan. 2.
Strap, Stay binding. H. Harvey. 2,185,505; Jan. 2.
Structural member. A. C. Fischer. 2,185,335; Jan. 2.
Structural member. A. Rafter. 2,185,384; Jan. 2.
Stud and rafter. A. Rafter. 2,185,475; Jan. 2.
Sulphides, Process and product relating to stabilization of cyclic. W. Coltof and S. L. Langedijk. 2,185,660; Jan. 2.
Sulphonated products. E. A. Mauersberger. 2,185,817; Jan. 2.
Sulphonium sulphonates, Production of. A. J. van Peski and J. M. Hoeffelman. 2,185,654; Jan. 2.
Support: *See*—
Curtain rod support. Motor support.
Support for flatirons, Retractable. W. H. Ginder. 2,185,915; Jan. 2.
Support for spools, Spindle. J. Uytenbogaart. 2,185,780; Jan. 2.
Suspender. J. M. Cohen. 2,185,400; Jan. 2.

Sweeper, Carpet. J. P. Redfearn. 2,185,753; Jan. 2.
Switch: *See*—
Direction indicator switch. Selective switch.
Electric switch. Web guide switch.
Electrical switch.
Switch. T. L. Fenn and W. J. Turenne. 2,185,433; Jan. 2.
Switch. F. L. Humeston. 2,185,849; Jan. 2.
Switch mechanism for direction signals. A. Mazer. 2,185,511; Jan. 2.
Swivel, Rotary. F. J. Young. 2,185,822; Jan. 2.
Syringe. A. Borlan, C. E. Hymers, and A. W. Spencer. 2,185,536; Jan. 2.
Table service. C. W. Frank. 2,185,942; Jan. 2.
Tabulating machine. J. T. Ferry. 2,185,841; Jan. 2.
Tabulating machine. W. W. Lasker. 2,185,258–0–60; Jan. 2.
Tactual signal. S. H. Caldwell. 2,185,329; Jan. 2.
Tamping bar clamp. O. Tuerck. 2,185,613; Jan. 2.
Tappet construction. C. and H. E. Voorhies. 2,185,991; Jan. 2.
Target. H. A. Daum. 2,185,628; Jan. 2.
Telegraphone. C. N. Hickman. 2,185,300; Jan. 2.
Telephone system. W. M. Beaumont. 2,185,287; Jan. 2.
Telephone system. D. B. Robison. 2,185,521; Jan. 2.
Television apparatus. H. R. Lubcke. 2,185,640; Jan. 2.
Tension control system. C. P. Croco. 2,185,836; Jan. 2.
Tent. J. A. Datz. 2,185,588; Jan. 2.
Tent structure. J. W. Dixon. 2,185,629; Jan. 2.
Testing apparatus, Ductility. C. S. Howe. 2,185,340; Jan. 2.
Thread and fiber of thermoplastic materials and producing the same. H. Jacque. 2,185,789; Jan. 2.
Thermostat. M. Gaul. 2,185,914; Jan. 2.
Thermostat, Immersion type. V. O. Beam. 2,185,623; Jan. 2.
Thermostatic device. W. S. Gordon, Jr. 2,185,436; Jan. 2.
Thermostatic device. C. F. Prutton and J. T. Marvin. 2,185,421–2; Jan. 2.
Thiocarbanilide, Dispersible. D. W. Jayne, Jr. 2,185,591; Jan. 2.
Thread end holder, Reciprocating. P. J. Mamrol. 2,185,211; Jan. 2.
3-aminopyrenes and preparing them, Substituted. M. Corell, H. Vollmann, and H. Becker. 2,185,661; Jan. 2.
Tie. T. Willmoth. 2,185,615; Jan. 2.
Tile. J. H. Isenhour. 2,185,669; Jan. 2.
Timing mechanism. A. C. Arbogast. 2,185,394; Jan. 2.
Tints on vegetable fibers, Production of fast. F. Straub and W. Anderau. 2,185,905; Jan. 2.
Tire, Multicellular rubber. J. Brunswick 2,185,398; Jan. 2.
Toilet seat. J. Corser. 2,185,499; Jan. 2.
Tool: *See*—
Automobile repair tool. Watchmaker's poising tool.
Cutting tool. Wire line shooting tool.
Tooth brush head. I. Pensky. 2,185,867; Jan. 2.
Tooth brush, Rotary. W. E. Scott. 2,185,229; Jan. 2.
Torch, Self-advancing autogenous. E. Becker. 2,185,781; Jan. 2.
Toy. C. W. Lambert. 2,185,509; Jan. 2.
Tractor unit. A. G. Dean. 2,185,974–5; Jan. 2.
Transformer. G. Camilli. 2,185,831; Jan. 2.
Transmission and gear shift mechanism therefor. L. O. Burt. 2,185,830; Jan. 2.
Transmission for invalid beds. F. Gahm. 2,185,296; Jan. 2.
Tray, Card table. T. D. Alexander. 2,185,907; Jan. 2.
Tie-down, Adjustable. W. H. Mussey. 2,185,514; Jan. 2.
Torque release device for four-wheel drives. K. D. Kysor. 2,185,636; Jan. 2.
Toy, Dog. J. Fowler. 2,185,547; Jan. 2.
Track and anchoring it, Sectional. H. G. Marion and C. F. Reer. 2,185,691; Jan. 2.
Transmission gearing. R. L. Brownlee. 2,185,537; Jan. 2.
Transmission mechanism. E. R. Burtnett. 2,185,538; Jan. 2.
Transmission mechanism. B. D. Hubbell. 2,185,731; Jan. 2.
Transmission, Motor vehicle. W. R. Griswold. 2,185,730; Jan. 2.
Trim fastener. W. Marshall. 2,185,816; Jan. 2.
Trimming board. F. M. Lund. 2,185,985; Jan. 2.
Truck. G. T. Ronk. 2,185,750; Jan. 2.
Truck or trailer front construction. J. J. Black. 2,185,961; Jan. 2.
Tubes for display purposes, Process and apparatus for producing indicia. A. Kaufman. 2,185,733; Jan. 2.
Tubing and casing head. S. P. Tschappat. 2,185,478; Jan. 2.
Typewriting machine. R. G. Thompson. 2,185,742; Jan. 2.
Tube: *See*—
Cathode ray tube. X-ray tube.
Gaseous discharge tube.
Tubular frame. R. M. Stowe. 2,185,904; Jan. 2.
Umbrella. B. J. Jostes. 2,185,466; Jan. 2.
Umbrella rib tip. R. W. Carlisle. 2,185,587; Jan. 2.
Underframe. A. G. Dean. 2,185,976; Jan. 2.
Upholstery construction. A. M. Bank. 2,185,396; Jan. 2.
Upholstery forming apparatus. C. W. Avery. 2,185,827; Jan. 2.
Upper roughing machine. E. J. Le Gault. 2,185,638; Jan. 2.
Urea-chlorine compound and making same, Stable. I. E. Muskrat and F. C. Trager. 2,185,864; Jan. 2.
Vacuum crystalizing, or vacuum cooling, by forced boiling, Method of and apparatus. J. W. Dudley. 2,185,940; Jan. 2.
Valuables, Method and apparatus for safe collection, delivery, and transportation of. L. B. Love. 2,185,209; Jan. 2.
Valve: *See*—
Back pressure valve. Safety valve.
Filling valve. Static pressure valve.
Valve amplifying circuit, Thermionic. A. D. Blumlein. 2,185,367; Jan. 2.
Valve apparatus, Electrically controlled light. L. M. Myers and E. F. Goodenough. 2,185,379; Jan. 2.
Valve apparatus for use in distributing fluid. H. R. Barrett and W. Brookes. 2,185,325; Jan. 2.
Valve converting system, Electric. A. Schmidt, Jr. 2,185,819–20; Jan. 2.
Valve mechanism, Reversing. J. E. Whitfield. 2,185,614; Jan. 2.
Vaporizer, Fuel. R. U. Spearman. 2,185,320; Jan. 2.
Vault, Metallic grave. A. F. Beck. 2,185,493; Jan. 2.
Vegetable fibers and artificial threads, The treatment of. L. Lilienfeld. 2,185,795; Jan. 2.
Vehicle: *See*—
Motor vehicle.
Vehicle body construction and assembling the same. A. G. Dean. 2,185,977; Jan. 2.
Vehicle rocking apparatus. P. J. Kroll. 2,185,791; Jan. 2.
Vending machine. A. W. Thoreson. 2,185,778; Jan. 2.
Ventilated cap. M. S. Kaye. 2,185,670; Jan. 2.
Ventilating device. F. J. Kurth. 2,185,919; Jan. 2.
Vessels, Fabricating lined. W. A. Howard and T. C. Smith. 2,185,463; Jan. 2.
Vibrator, Portable form. C. Jackson. 2,185,850; Jan. 2.
Vibratory element. C. Pfanstiehl. 2,185,966; Jan. 2.
Visor, Extensible sun. E. M. Mitchell. 2,185,898; Jan. 2.
Voltage testing equipment, Impulse. G. L. Candler and W. D. Albright. 2,185,292; Jan. 2.
Vulcanizer adapter. R. G. Daniel. 2,185,542–3; Jan. 2.
Wall structural unit. K. M. Groetschel and H. Toussaint. 2,185,916; Jan. 2.
Warp beam. W. B. McVeigh and H. M. Hibbert. 2,185,642; Jan. 2.
Warping, Direct. R. H. Balch, T. C. Campbell, and J. L. Grant. 2,185,621; Jan. 2.
Washing machine. C. K. Skinner. 2,185,821; Jan. 2.
Watchmaker's poising tool. W. F. Fraser. 2,185,843; Jan. 2.
Weaving, Selvage. E. Pfarrwaller. 2,185,308; Jan. 2.
Web guide switch. W. C. Nash. 2,185,773; Jan. 2.
Weed puller. C. W. Hecox. 2,185,552; Jan. 2.
Welding machine. E. J. von Henke. 2,185,716; Jan. 2.
Well drilling apparatus, Deep. W. P. Rogers. 2,185,316; Jan. 2.
Well flow controlling device. L. F. Rollins. 2,185,522; Jan. 2.
Well pumping mechanism. E. W. Patterson. 2,185,680; Jan. 2.
Winding apparatus. R. C. Pierce. 2,185,309; Jan. 2.
Winding machine. A. B. Carr and R. H. Fluker. 2,185,399; Jan. 2.
Window-actuating mechanism. B. H. Noland and E. L. R. Smith. 2,185,646; Jan. 2.
Window, Combined sliding and swinging. C. E. Hassert. 2,185,982; Jan. 2.
Window construction. E. F. Chaffee. 2,185,626; Jan. 2.
Window operating mechanism. W. F. Thoma. 2,185,321; Jan. 2.
Window sash. E. E. Donahoe. 2,185,888; Jan. 2.
Windshield. G. S. Sawyer. 2,185,572; Jan. 2.
Wire-drawing machine. M and W. Morgan. 2,185,416; Jan. 2.
Wire line shooting tool. M. M. Kinley. 2,185,303; Jan. 2.
Wrapping machine. G. Kaeding and H. Hoyer. 2,185,593; Jan. 2.
Wrapper, Self-sealing. W. N. MacDonald. 2,185,469; Jan. 2.
Wrapper, Self-sealing bread. W. N. MacDonald. 2,185,470; Jan. 2.
X-ray tube, Rotatable anode. Z. J. Atlee. 2,185,826; Jan. 2.
Yarn tension device. J. D. Friday. 2,185,890; Jan. 2.
Yarn, Treating. I. L. Griffin. 2,185,747; Jan. 2.
Yarn winder. A. P. Bell. 2,185,327; Jan. 2.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 2, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 2.1: 2,185,518
3: 2,185,751
32: 2,185,426
56: 2,185,505
2— 3: 2,185,717
41: 2,185,834
146: 2,185,615
169: 2,185,720
176: 2,185,670
198: 2,185,306
237: 2,185,425
267: 2,185,761
4— 98: 2,185,887
159: 2,185,495
166: 2,185,186
187: 2,185,900
237: 2,185,499
8— 17: 2,185,427
42: 2,185,905
105: 2,185,776
111: 2,185,632
116: 2,185,795
128: 2,185,210
138: 2,185,548
12— 7: 2,185,941
31.5: 2,185,420
66: 2,185,937
78: 2,185,504
83.5: 2,185,437
103: 2,185,358
128.6: 2,185,765
142: 2,185,993
2,185,994
2,185,995
15— 41: 2,185,753
120: 2,185,502
134: 2,185,575
147: 2,185,573
255: 2,185,572
16— 146: 2,185,212
163: 2,185,213
2,185,214
17— 1: 2,185,949
18— 8: 2,185,417
13: 2,185,701
18: 2,185,542
2,185,543
54: 2,185,789
55: 2,185,333
2,185,924
59: 2,185,568
2,185,738
20— 1: 2,185,532
12: 2,185,650
19: 2,185,828
49: 2,185,888
56.4: 2,185,735
62: 2,185,712
22— 2: 2,185,625
139: 2,185,390
23— 1: 2,185,929
160: 2,185,580
162: 2,185,579
2,185,607
212: 2,185,989
250: 2,185,247
2,185,660
288: 2,185,928
24— 17: 2,185,782
33: 2,185,563
73: 2,185,816
123: 2,185,921
132: 2,185,723
137: 2,185,285
153: 2,185,231
168: 2,185,891
205: 2,185,853
205.5: 2,185,658
233: 2,185,703
265: 2,185,736
25— 30: 2,185,597
37: 2,185,613
42: 2,185,959
131: 2,185,860
154: 2,185,195
27— 35: 2,185,493
28— 1: 2,185,627
28: 2,185,747
40: 2,185,621
57: 2,185,245
29— 33: 2,185,429
50: 2,185,351
105: 2,185,487
148.2: 2,185,483
157: 2,185,442
159.1: 2,185,347
162: 2,185,463
30— 147: 2,185,942
190: 2,185,673
33— 46.5: 2,185,633
75: 2,185,808
2,185,912
137: 2,185,443
34— 23: 2,185,878
24: 2,185,760
35— 8: 2,185,232
41: 2,185,689
36— 2: 2,185,456
8.1: 2,185,762
45: 2,185,362
59: 2,185,397
71: 2,185,526
37— 144: 2,185,179
38— 79: 2,185,915
40— 32: 2,185,249
84: 2,185,895
125: 2,185,553
2,185,787
2,185,945
126: 2,185,708
2,185,866
130: 2,185,674
41— 22: Re.21,313
30: 2,185,492
33: 2,185,983
42— 49: 2,185,676
76: 2,185,523
43— 38: 2,185,507
42: 2,185,668
46: 2,185,771
54: 2,185,666
45— 3: 2,185,869
7: 2,185,763
2,185,770
46— 1: 2,185,547
141: 2,185,190
47— 2: 2,185,663
48— 212: 2,185,549
49— 1: 2,185,271
2: 2,185,704
5: 2,185,678
55: 2,185,565
65: 2,185,772
50— 10: 2,185,671
11: 2,185,713
51— 58: 2,185,922
95: 2,185,737
101: 2,185,837
104: 2,185,519
125: 2,185,344
165: 2,185,546
2,185,560
278: 2,185,262
52— 11: 2,185,248
15: 2,185,371
53— 2: 2,185,372
3: 2,185,840
6: 2,185,807
55— 34: 2,185,880
108: 2,185,350
55— 148: 2,185,552
56— 25.4: 2,185,659
27: 2,185,409
2,185,794
71: 2,185,412
294: 2,185,833
57— 120: 2,185,892
58— 35: 2,185,334
129: 2,185,805
60— 52: 2,185,402
2,185,743
54.5: 2,185,277
54.6: 2,185,264
107: 2,185,803
61— 5: 2,185,458
62— 3: 2,185,515
2,185,965
4: 2,185,196
5: 2,185,330
6: 2,185,754
94: 2,185,799
108.5: 2,185,241
116: 2,185,228
140: 2,185,387
152: 2,185,940
63— 1: 2,185,811
10: 2,185,641
65— 45: 2,185,576
57: 2,185,574
2,185,896
66— 83: 2,185,844
145: 2,185,211
149: 2,185,963
67— 6.1: 2,185,204
55: 2,185,800
68— 245: 2,185,307
69— 1: 2,185,638
70— 33: 2,185,899
149: 2,185,863
263: 2,185,175
72— 16: 2,185,749
38: 2,185,497
41: 2,185,196
2,185,669
44: 2,185,335
73— 4: 2,185,578
51: 2,185,246
2,185,315
2,185,791
2,185,843
2,185,943
110: 2,185,971
74— 10: 2,185,407
40: 2,185,686
194: 2,185,529
197: 2,185,530
202: 2,185,229
230.17: 2,185,411
257: 2,185,702
260: 2,185,538
337: 2,185,602
2,185,731
355: 2,185,296
376: 2,185,537
389: 2,185,545
481: 2,185,170
484: 2,185,830
493: 2,185,779
580: 2,185,917
589: 2,185,690
604: 2,185,882
615: 2,185,298
75— 27: 2,185,464
40: 2,185,911
112: 2,185,218
123: 2,185,617
125: 2,185,618
2,185,619
2,185,967
128: 2,185,616
75— 138: 2,185,348
157: 2,185,809
159: 2,185,956
2,185,957
2,185,958
76— 101: 2,185,839
77— 75.5: 2,185,187
80— 35: 2,185,836
51: 2,185,657
81— 3: 2,185,346
83— 9: 2,185,960
10: 2,185,528
11: 2,185,331
28: 2,185,408
93: 2,185,349
2,185,352
2,185,459
84— 1.15: 2,185,734
239: 2,185,644
355: 2,185,932
376: 2,185,984
85— 3: 2,185,447
11: 2,185,877
87— 5: 2,185,255
16: 2,185,653
88— 1: 2,185,252
14: 2,185,690
16.6: 2,185,221
16.8: 2,185,610
18.2: 2,185,862
24: 2,185,233
2,185,926
90— 11: 2,185,382
91— 44: 2,185,570
51: 2,185,223
68: 2,185,217
2,185,995
2,185,859
2,185,954
70: Re.21,311
2,185,746
92— 7: 2,185,567
30: 2,185,955
44: 2,185,913
93— 2: 2,185,593
8: 2,185,647
58.1: 2,185,675
94— 1.5: 2,185,488
23: 2,185,341
45: 2,185,645
95— 1.1: 2,185,508
2: 2,185,847
7: 2,185,798
10: 2,185,934
44: 2,185,377
90.5: 2,185,620
96— 19: 2,185,225
97— 137: 2,185,634
204: 2,185,520
98— 2: 2,185,486
2,185,855
40: 2,185,919
99— 91: 2,185,368
144: 2,185,465
174: 2,185,583
179: 2,185,353
207: 2,185,451
101—132.5: 2,185,188
2,185,682
221: 2,185,310
299: 2,185,440
318: 2,185,797
350: 2,185,342
416: 2,185,766
102— 10: 2,185,370
103— 2: 2,185,564
44: 2,185,727
139: 2,185,992
150: 2,185,784
105— 2: 2,185,242
105— 172: [2,185,403
368: 2,185,514
397: 2,185,977
404: 2,185,783
414: 2,185,974
2,185,975
2,185,976
2,185,988
106— 12: 2,185,280
107— 8: 2,185,174
108— 13: 2,185,274
110— 22: 2,185,865
112— 2: 2,185,827
3: 2,185,251
113— 116: 2,185,904
118: 2,185,485
114— 56: 2,185,430
2,185,431
79: 2,185,555
115— 17: 2,185,457
119— 15: 2,185,711
120— 57: 2,185,288
121— 34: 2,185,812
41: 2,185,449
77: 2,185,428
120: 2,185,902
158: 2,185,448
194: 2,185,848
122— 451: 2,185,993
123— 33: 2,185,918
65: 2,185,254
73: 2,185,506
90: 2,185,991
110: 2,185,320
2,185,501
133: 2,185,573
148: 2,185,938
171: Re.21,312
125— 33: 2,185,471
126— 39: 2,185,275
102: 2,185,365
121: 2,185,774
2,185,788
132: 2,185,665
360: 2,185,594
128— 84: 2,185,322
261: 2,185,536
266: 2,185,927
288: 2,185,527
327: 2,185,571
129— 10: 2,185,404
131— 12: 2,185,293
187: 2,185,598
2,185,672
256: 2,185,462
132— 21: 2,185,286
31: 2,185,906
32: 2,185,230
78.5: 2,185,386
134— 35: 2,185,181
76: 2,185,194
78.6: 2,185,533
135— 4: 2,185,588
2,185,629
22: 2,185,466
36: 2,185,587
136— 108: 2,185,756
2,185,529
137— 18: 2,185,651
21: 2,185,796
69: 2,185,173
111: 2,185,614
153: 2,185,461
2,185,793
164: 2,185,970
138— 61: 2,185,741
139— 13: 2,185,446
127: 2,185,308
153: 2,185,585
145— 52: 2,185,910
146— 76: 2,185,739
88: 2,185,835
153: 2,185,744
148— 10: 2,185,496
21.3: 2,185,482
2,185,483
21.8: 2,185,894
149— 21: 2,185,441
150— 1.5: 2,185,706
37: 2,185,359
152— 246: 2,185,308
153— 1: 2,185,769
2: 2,185,337
48: 2,185,381
2,185,550
54: 2,185,481
154— 2: 2,185,477
30: 2,185,864
33.1: 2,185,908
46: 2,185,356
2,185,649
155— 14: 2,185,301
106: 2,185,923
170: 2,185,813
180: 2,185,758
181: 2,185,396
156— 20: 2,185,305
158— 28: 2,185,317
2,185,318
2,185,752
99: 2,185,886
116: 2,185,903
117.1: 2,185,364
2,185,423
2,185,436
161— 7: 2,185,394
164— 34: 2,185,881
44: 2,185,985
60: 2,185,885
114: 2,185,685
166— 5: 2,185,522
14: 2,185,925
167— 68: 2,185,178
65: 2,185,219
2,185,220
2,185,824
2,185,989
88: 2,185,467
171— 95: 2,185,276
119: 2,185,707
2,185,715
209: 2,185,460
2,185,818
252: 2,185,728
2,185,740
327: 2,185,699
172— 179: 2,185,861
237: 2,185,700
278: 2,185,990
279: 2,185,517
281: 2,185,418
2,185,819
2,185,820
173— 250: 2,185,419
328: 2,185,193
174— 116: 2,185,558
175— 41.5: 2,185,355
2,185,777
183: 2,185,292
2,185,589
294: 2,185,825
336: 2,185,603
337: 2,185,724
361: 2,185,831
176— 32: 2,185,961
122: 2,185,189
134: 2,185,679
177— 311: 2,185,373
324: 2,185,329
336: 2,185,748

177— 351: 2,185,482
178— 2: 2,185,851
5.2: 2,185,806
6: 2,185,302
7.1: 2,185,445
2,185,640
2,185,874
7.2: 2,185,601
7.7: 2,185,379
18: 2,185,705
44: 2,185,966
66: 2,185,192
2,185,199
179— 15: 2,185,687
2,185,693
18: 2,185,287
27.54: 2,185,374
36: 2,185,521
100.2: 2,185,300
171: 2,185,367
2,185,388
2,185,389
2,185,870
2,185,879
171.5: 2,185,684
180— 44: 2,185,636
54: 2,185,842
82: 2,185,909
83: 2,185,936
181— 48: 2,185,489
183— 49: 2,185,584
184— 3: 2,185,810
34: 2,185,531
55: 2,185,240
188— 3: 2,185,261
75: 2,185,667
72: 2,185,435
79.5: 2,185,434
90: 2,185,491
152: 2,185,250
2,185,324
164: 2,185,312
2,185,313
169: 2,185,256
218: 2,185,875
189— 36: 2,185,916
37: 2,185,384
2,185,475
64: 2,185,626
67: 2,185,982
191— 39: 2,185,263
59.1: 2,185,257
2,185,268
2,185,269
2,185,270
192— .01: 2,185,272
2,185,273
3.5: 2,185,730
88: 2,185,986

192— 93: 2,185,714
125: 2,185,319
144: 2,185,851
194— 1: 2,185,980
71: 2,185,872
196— 1: 2,185,380
2: 2,185,931
4: 2,185,710
10: 2,185,406
13: 2,185,291
30: 2,185,768
31: 2,185,577
35: 2,185,406
49: 2,185,200
2,185,222
50: 2,185,757
52: 2,185,930
60: 2,185,516
148: 2,185,951
2,185,952
197— 84: 2,185,226
128: 2,185,424
178: 2,185,742
181: 2,185,432
198— 1: 2,185,973
152: 2,185,557
200— 11: 2,185,511
48: 2,185,729
52: 2,185,732
2,185,773
59: 2,185,569
60: 2,185,849
83: 2,185,814
88: 2,185,490
90: 2,185,683
116: 2,185,524
2,185,525
2,185,823
137: 2,185,433
2,185,623
139: 2,185,759
143: 2,185,944
145: 2,185,719
164: 2,185,950
202— 40: 2,185,311
75: 2,185,595
2,185,596
204— 1: 2,185,858
205— 14: 2,185,416
206— 7: 2,185,688
41.2: 2,185,605
65: 2,185,328
2,185,637
2,185,920
74: 2,185,624
207— 1: 2,185,376
209— 110: 2,185,289
166: 2,185,224
2,185,968

210— 55: 2,185,785
158: 2,185,512
178: 2,185,281
188: 2,185,314
198: 2,185,868
205: 2,185,586
211— 55: 2,185,244
87: 2,185,209
119.06: 2,185,845
135: 2,185,494
213— 178: 2,185,750
214— 17: 2,185,962
145: 2,185,176
215— 74: 2,185,290
218— 19: 2,185,939
219— 4: 2,185,716
19: 2,185,206
2,185,979
25: 2,185,197
26: 2,185,266
40: 2,185,786
46: 2,185,692
220— 9: 2,185,953
24: 2,185,216
40: 2,185,643
61: 2,185,171
69: 2,185,821
77: 2,185,236
221— 23: 2,185,413
47.1: 2,185,282
60: 2,185,323
2,185,775
61: 2,185,227
62: 2,185,284
64: 2,185,180
83: 2,185,534
147: 2,185,608
2,185,699
223— 88: 2,185,253
99: 2,185,722
225— 5: 2,185,267
226— 75: 2,185,191
97: 2,185,201
116: 2,185,733
229— 3.5: 2,185,391
16: 2,185,510
2,185,764
39: 2,185,544
43: 2,185,604
80: 2,185,401
87: 2,185,469
2,185,470
230— 28: 2,185,473
133: 2,185,718
138: 2,185,338
233— 17: 2,185,279
234— 75: 2,185,294
235— 61: 2,185,681
2,185,767

235— 61.7: 2,185,841
61.8: 2,185,697
61.9: 2,185,258
2,185,259
2,185,260
61.12: 2,185,606
70: 2,185,202
84: 2,185,677
236— 1: 2,185,978
34: 2,185,914
91: 2,185,500
99: 2,185,421
2,185,422
238— 10: 2,185,691
54: 2,185,946
168: 2,185,357
240— 7.55: 2,185,600
41.1: 2,185,203
2,185,438
81: 2,185,694
241— 26: 2,185,400
242— 4: 2,185,883
18: 2,185,780
81: 2,185,360
111: 2,185,327
124: 2,185,642
137: 2,185,755
150: 2,185,890
158: 2,185,309
244— 102: 2,185,235
248— 26: 2,185,215
2,185,375
265: 2,185,383
2,185,648
276: 2,185,838
250— 15: 2,185,562
20: 2,185,336
2,185,612
27: 2,185,172
27.5: 2,185,410
2,185,439
2,185,531
2,185,832
2,185,852
36: 2,185,363
2,185,606
2,185,635
41.5: 2,185,361
102: 2,185,826
150: 2,185,609
153: 2,185,283
2,185,857
155: 2,185,239
2,185,590
162: 2,185,378
2,185,807
165: 2,185,395
175: 2,185,611
252— 5: 2,185,238

252— 5: 2,185,332
2,185,639
9: 2,185,591
254— 1: 2,185,745
86: 2,185,856
106: 2,185,804
111: 2,185,476
187: 2,185,498
255— 11: 2,185,316
34: 2,185,303
257— 25: 2,185,984
241: 2,185,484
259— 1: 2,185,850
38: 2,185,444
122: 2,185,539
131: 2,185,846
153: 2,185,540
260— 20: 2,185,354
93: 2,185,656
147: 2,185,901
210: 2,185,472
240: 2,185,343
257: 2,185,182
297: 2,185,243
344: 2,185,383
355: 2,185,871
378: 2,185,709
400: 2,185,541
401: 2,185,817
406: 2,185,967
407: 2,185,414
2,185,592
443: 2,185,972
454: 2,185,183
2,185,184
2,185,185
2,185,207
2,185,208
458: 2,185,480
465: 2,185,237
481: 2,185,455
488: 2,185,297
518: 2,185,661
553: 2,185,864
566: 2,185,854
607: 2,185,654
683: 2,185,566
261— 72: 2,185,265
112: 2,185,177
263— 51: 2,185,559
265— 1.5: 2,185,582
12: 2,185,340
45: 2,185,205
266— 3: 2,185,655
23: 2,185,781
267— 64: 2,185,801
2,185,802
268— 123: 2,185,646
270— 27: 2,185,399

271— 27: 2,185,652
62: 2,185,947
273—102.1: 2,185,628
134: 2,185,556
144: 2,185,366
149: 2,185,474
274— 9: 2,185,933
275— 3: 2,185,415
277— 20: 2,185,889
21: 2,185,325
280— 9: 2,185,509
33.16: 2,185,454
251: 2,185,696
281— 21: 2,185,721
282— 27: 2,185,662
29: 2,185,815
283— 6: 2,185,392
285— 22: 2,185,478
2,185,479
30: 2,185,450
86: 2,185,725
2,185,726
97.9: 2,185,822
286— 5: 2,185,876
7: 2,185,554
288— 3: 2,185,790
291— 3: 2,185,234
292— 48: 2,185,326
76: 2,185,503
356: 2,185,295
293— 55: 2,185,468
294— 16: 2,185,561
296— 24: 2,185,209
28: 2,185,961
84: 2,185,321
97: 2,185,898
136: 2,185,581
137: 2,185,345
299— 141: 2,185,278
142: 2,185,369
303— 84: 2,185,535
304— 10: 2,185,948
306— 6: 2,185,867
308— 3: 2,185,630
6: 2,185,304
79: 2,185,664
83: 2,185,792
125: 2,185,622
187.2: 2,185,339
311— 103: 2,185,907
312— 59: 2,185,778
122: 2,185,393
164: 2,185,513
167: 2,185,935

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,311: 91— 70
2,185,215: 248— 26
2,185,239: 250— 155
2,185,243: 260— 297
2,185,283: 250— 153
2,185,328: 206— 65
2,185,338: 230— 138
2,185,354: 260— 20

2,185,361: 250— 41.5
2,185,369: 299— 142
2,185,378: 250— 162
2,185,387: 62— 140
2,185,395: 250— 165
2,185,396: 155— 181
2,185,398: 152— 246
2,185,402: 60— 52

2,185,412: 56— 71
2,185,444: 259— 38
2,185,448: 121— 158
2,185,449: 121— 41
2,185,496: 148— 10
2,185,515: 62— 3
2,185,534: 221— 83
2,185,540: 259— 153

2,185,592: 260— 407
2,185,605: 206— 41.2
2,185,611: 250— 175
2,185,658: 24—205.5
2,185,659: 56— 25.4
2,185,698: 280— 251
2,185,718: 230— 133
2,185,749: 72— 16

2,185,766: 101— 416
2,185,767: 235— 61
2,185,771: 43— 46
2,185,807: 250— 162
2,185,826: 250— 102
2,185,838: 248— 276
2,185,865: 110— 22
2,185,868: 210— 198

2,185,908: 154— 33.1
2,185,946: 238— 54
2,185,947: 271— 62
2,185,965: 62— 3
2,185,982: 189— 67

U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Ecla Corporation, Fairfield, Conn. Wide elastic piece goods. Serial No. 424,288; Jan. 9. Class 42.
American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 425,382; Jan. 9. Class 43.
Aristocrat Packing Company. (See Keeno Packing Company.)
Ashbrook, E. R., doing business as Mission Chemical Company, Kansas City, Mo. Chemicals used for the destruction of dandelions. Serial No. 423,652; Jan. 9. Class 6.
Ashland Rubber Works. (See Faultless Rubber Company, The.)
Autodent Company, The. (See Gower, Stanley M.)
Bakers Research Bureau, Division of Bud Fox Enterprises, Inc., New York, N. Y. Processed wheat germ flour. Serial No. 424,678; Jan. 9. Class 46.
Bar-B-Buns, Inc., Cincinnati, Ohio. Bakery products. Serial No. 423,996; Jan. 9. Class 46.
Bear Mill Manufacturing Co., Inc., New York, N. Y. Piece goods. Serial No. 417,435; Jan. 9. Class 42.
Beebee Brothers Rubber Company, Nashua, N. H. Heels and soles. Serial No. 424,462; Jan. 9. Class 39.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 425,773; Jan. 9. Class 42.
Bell Aircraft Corporation, Buffalo, N. Y. Publications. Serial Nos. 411,731–2; Jan. 9. Class 38.
Belmont Brewing Co. (See Trew, D. F.)
Berk, Lewis, New York, N. Y. Safety razors and razor blades. Serial No. 417,479; Jan. 9. Class 23.
Berland Shoe Stores, Inc., The, St. Louis, Mo. Shoes. Serial No. 425,224; Jan. 9. Class 39.
Berland Shoe Stores, Inc., The, St. Louis, Mo. Shoes. Serial No. 425,228; Jan. 9. Class 39.
Berman-Myers, Inc., New York, N. Y. Device having an electrical circuit for igniting a photographic flash bulb in synchronism with the shutter of an associated camera. Serial No. 422,978; Jan. 9. Class 26.
Blue & Grey Specialty Co. (See Warner, J. Wilbur.)
Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, coats, etc. Serial No. 425,554; Jan. 9. Class 39.
Borden Company, The, New York, N. Y. Cheese flavored coating for food products. Serial No. 425,039; Jan. 9. Class 46.
Botany Worsted Mills, Passaic, N. J. Lanolin and cleansing cream. Serial No. 422,982; Jan. 9. Class 6.
Bourjois, Inc., New York, N. Y. Perfume and face powder. Serial No. 426,047; Jan. 9. Class 6.
Bradley, Milton, Company, Springfield, Mass. Board games. Serial No. 425,325; Jan. 9. Class 22.
Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 426,151; Jan. 9. Class 22.
Brooks Equipment and Mfg. Co., Knoxville, Tenn. Industrial trucks. Serial No. 424,711; Jan. 9. Class 19.
Brooks Paper Company, St. Louis, Mo. Containers. Serial No. 423,292; Jan. 9. Class 2.
Brown, George C., doing business as Brown Co., Buffalo, N. Y. Cough syrup. Serial No. 425,137; Jan. 9. Class 6.
Brown, William A., Philadelphia, Pa. Wheels and parts thereof. Serial No. 424,901; Jan. 9. Class 19.
Buchsbaum, S., & Company, Chicago, Ill. Apparel belts, suspenders, and hose supporters. Serial No. 422,315; Jan. 9. Class 39.
Buffalo Industrial Bank, Buffalo, N. Y. Publications. Serial No. 423,941; Jan. 9. Class 38.
Cain-Sloan Company, The, Nashville, Tenn. Coats and suits. Serial No. 425,271; Jan. 9. Class 39.
California Conserving Company, Incorporated, San Francisco, Calif. Tomato catsup. Serial No. 425,387; Jan. 9. Class 46.
Campana Corporation, Batavia, Ill. Lotions for the skin. Serial Nos. 423,791–5; Jan. 9. Class 6.
Campbell & Bell Dry Goods Company, Fayetteville, Ark. Wearing apparel. Serial No. 421,724; Jan. 9. Class 39.
Carnegie, Dale, Courses Corporation, New York, N. Y. Periodical publications, printed books, and bulletins. Serial No. 423,409; Jan. 9. Class 38.
Carter Oil Company, The, Tulsa, Okla. Antifreeze compound. Serial No. 424,953; Jan. 9. Class 6.
Casey, Paul S., doing business as Vitamineral Products Company, Peoria, Ill. Compound containing various minerals. Serial No. 424,755; Jan. 9. Class 6.
Castill Chemical Company, Baltimore, Md. Pharmaceutical preparation. Serial No. 423,722; Jan. 9. Class 6.
Chefford Master Manufacturing Co., Inc., Fairfield, Ill. Fuel pumps and parts thereof. Serial No. 423,692; Jan. 9. Class 23.
Chemical Concentration Company, Memphis, Tenn. Disinfectant, deodorant and insecticide. Serial No. 423,997; Jan. 9. Class 6.
Chicago Mail Order Company, Chicago, Ill. Shoes. Serial No. 425,273; Jan. 9. Class 39.
Chicago Mail Order Company, Chicago, Ill. Furniture. Serial No. 425,451; Jan. 9. Class 32.
Christina, Vincent, Inc., New York, N. Y. Pentavalent arsenical for use in syphilis therapy. Serial No. 424,343; Jan. 9. Class 6.
Cochar Products, Inc., Manila, P. I. Activated carbon. Serial No. 424,157; Jan. 9. Class 6.
Cohn, H. C., & Co., Rochester, N. Y. Neckties. Serial No. 425,181; Jan. 9. Class 39.
Cohn, H. C., & Co., Rochester, N. Y. Neckties. Serial No. 425,183; Jan. 9. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 425,776; Jan. 9. Class 42.
Cohodas Orchard Co., Ishpeming, Mich. Fresh apples. Serial No. 425,392; Jan. 9. Class 46.
Collegiate Manufacturing Company, Inc., New York, N. Y. Piece goods. Serial No. 425,686; Jan. 9. Class 42.
Columbia Mills, Inc., The, New York, N. Y. Venetian blinds and parts thereof. Serial No. 426,122; Jan. 9. Class 32.
Commercial Rubber Co. (See Friedman, Harry.)
Condoyiannis, Demetrios E., doing business as Growzon Company, Norfolk, Va. Hair dressing. Serial No. 421,872; Jan. 9. Class 6.
Continental Oil Company, Ponca City, Okla. Dust settling oil. Serial No. 402,902; Jan. 9. Class 6.
Coreless Golf Ball Company, Wilmington, Del. Golf balls. Serial No. 426,052; Jan. 9. Class 22.
Cotan Corporation, Newark, N. Y. Fabrics coated with rubber compounds and simulating leather. Serial No. 424,158; Jan. 9. Class 50.
Crane Packing Company, Chicago, Ill. Washers and discs for packing purposes. Serial No. 417,524; Jan. 9. Class 35.
Crawford Door Company, Detroit, Mich. Garage doors and parts thereof. Serial No. 411,858; Jan. 9. Class 12.
Cutter-Crossette Co., Chicago, Ill. Men's neckties. Serial Nos. 423,512–13; Jan. 9. Class 39.
Deakers, Thorpe W., doing business as Javelin Company, Los Angeles, Calif. Lipstick. Serial No. 425,990; Jan. 9. Class 6.
Denney, Frances, Philadelphia, Pa. Face powder, lipstick, and rouge. Serial No. 426,085; Jan. 9. Class 6.
Doak Company, Inc., Cleveland, Ohio. Dermato-therapeutic medication. Serial No. 425,689; Jan. 9. Class 6.
Dowling Bros. Distilling Co., Inc., doing business as Fort Harrod Distilling Co., Burgin, Ky. Whiskey. Serial No. 425,234; Jan. 9. Class 49.
Dresner, S., & Son, Inc., Chicago, Ill. Hand luggage. Serial No. 425,191; Jan. 9. Class 3.
Dresner, S., & Son, Inc., Chicago, Ill. Toilet cases. Serial No. 425,194; Jan. 9. Class 3.
Eagle Clothes, New York, N. Y. Overcoats, topcoats, suits, etc. Serial No. 425,462; Jan. 9. Class 39.
Eastern Outfitting Co. of Portland, Oregon, Portland, Oreg. Hosiery, slips, nightgowns, etc. Serial No. 421,647; Jan. 9. Class 39.
Eldridge, R. W., Company, Inc., Charlotte, N. C. Cut-out or doll dresses. Serial No. 425,696; Jan. 9. Class 22.
Electro Products Company. (See Stewart, Patterson O.)
Electromaster Inc., Detroit, Mich. Electrically heated combined roaster and broiler. Serial No. 424,956; Jan. 9. Class 21.
Ellis, Dutch, Monticello, Ill. Preparation for killing weeds. Serial No. 422,776; Jan. 9. Class 6.
Endo Products, Inc., New York, N. Y. Medicinal preparation. Serial No. 425,734; Jan. 9. Class 6.
Enterprise Manufacturing Company, The, Akron, Ohio. Floats for fishing tackle. Serial No. 425,330; Jan. 9. Class 22.
Euclid Coffee Co., The, Cleveland, Ohio. Chocolate flavored powder for making food drinks. Serial No. 425,464; Jan. 9. Class 46.
Famous-Barr Co. (See May Department Stores Company, The.)
Faris, Dave, Reeds Spring Junction, Mo. Ornamental wood novelties. Serial No. 423,841; Jan. 9. Class 50.
Faultless Rubber Company, The, Ashland, Ohio. Syringes and parts thereof and attachments therefor. Serial Nos. 424,427–8; Jan. 9. Class 44.
Faultless Rubber Company, The, doing business as Ashland Rubber Works, Ashland, Ohio. Syringes and parts thereof and attachments therefor. Serial No. 425,691; Jan. 9. Class 44.
Ferry-Morse Seed Company, San Juan Bautista, Calif. Fresh deciduous fruits. Serial No. 423,294; Jan. 9. Class 46.
Folger, J. A., & Company, Kansas City, Mo. Coffee. Serial No. 422,814; Jan. 9. Class 46.
Folk, N. D. P., Nashville, Tenn. Newspaper feature. Serial No. 424,187; Jan. 9. Class 38.
Fort Harrod Distilling Co. (See Dowling Bros. Distilling Co., Inc.)

Fretz, William F., & Son, Doylestown, Pa. Trousers. Serial No. 425,399; Jan. 9. Class 39.
Friedman, Harry, doing business as Commercial Rubber Co., Los Angeles, Calif. Cement. Serial No. 421,604; Jan. 9. Class 5.
Gabrieleen Company, Inc., Chicago, Ill. Liquid for hair waving. Serial No. 425,144; Jan. 9. Class 6.
Gates Rubber Company, Denver, Colo. Pneumatic vehicle tires. Serial No. 425,568; Jan. 9. Class 35.
Gaus, Louis H., doing business as Ticonderoga Cold Bow Wow Company, Ticonderoga, N. Y. Ice cream. Serial No. 412,501; Jan. 9. Class 46.
General Mills, Inc., Minneapolis, Minn. Bread improver. Serial Nos. 425,402–3; Jan. 9. Class 46.
General Mills, Inc., Minneapolis, Minn. Bread improver. Serial Nos. 425,406–7; Jan. 9. Class 46.
General Mills, Inc., Minneapolis, Minn. Wheat germ oil. Serial No. 425,833; Jan. 9. Class 6.
Gordon O'Neil Company, Inc., Jersey City, N. J. Rock and rye. Serial No. 425,008; Jan. 9. Class 49.
Gower, Stanley M., doing business as The Autodent Company, Skowhegan, Maine. Tooth brush handles. Serial No. 425,470; Jan. 9. Class 29.
Growers Fertilizer Company, Fort Pierce, Fla. Fertilizers. Serial No. 425,738; Jan. 9. Class 10.
Growzon Company. (See Condoyiannis, Demetrios E.)
Healthaids, Inc. of New Jersey, Newark, N. J. Preparation for use as a food auxiliary and constipation corrective for dogs. Serial No. 425,054; Jan. 9. Class 6.
Hecht Co., The, Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md. Hosiery, shoes, lingerie, foundation garments, etc. Serial No. 422,546; Jan. 9. Class 39.
Herman Body Company, The, St. Louis, Mo. Motor truck and trailer vehicles. Serial No. 422,897; Jan. 9. Class 19.
Hess, Goldsmith & Co., Inc., New York, N. Y. Silk and rayon fabrics, and mixtures thereof, in the piece. Serial No. 425,645; Jan. 9. Class 42.
Heublein, G. F., & Bro., Hartford, Conn. Whiskey. Serial No. 425,784; Jan. 9. Class 49.
Hooper, Wm. E., & Sons Company, Baltimore, Md. Ready mixed paints. Serial No. 412,707; Jan. 9. Class 16.
Hooper, Wm. E., & Sons, Company, Baltimore, Md. Fishing lines, fishing nets. Serial No. 412,708; Jan. 9. Class 22.
Hoover Company, The, North Canton, Ohio. Filter bags for electric suction cleaners. Serial No. 412,973; Jan. 9. Class 21.
Horn, A. C., Company, Long Island City, N. Y. Varnishes, lacquers, and enamels. Serial No. 411,577; Jan. 9. Class 16.
Hub, The. (See Hecht Co., The.)
Hubbard Pants Company, Bremen, Ga. Pants and shirts. Serial No. 425,380; Jan. 9. Class 39.
Ingersoll-Rand Company, New York, N. Y. Milling machines. Serial No. 424,725; Jan. 9. Class 23.
Inland Laboratories, Incorporated, Indianapolis, Ind. Perfume. Serial No. 425,335; Jan. 9. Class 6.
International Chemical Company, Chicago, Ill. Mixtures for application as finishes and polishes. Serial No. 424,726; Jan. 9. Class 16.
International Nickel Company, Inc., The, New York, N. Y. Castings. Serial Nos. 424,355–6; Jan. 9. Class 14.
International Nickel Company, Inc., The, New York, N. Y. Nickel hot rolled rounds, squares, hexagons, etc. Serial No. 424,357; Jan. 9. Class 14.
Interstate Sales Company. (See Phillips, Thomas R., Jr.)
Jantzen Knitting Mills, Portland, Oreg. Swimming suits. Serial No. 425,245; Jan. 9. Class 39.
Javelin Company. (See Deakers, Thorpe W.)
Jensen, Luhr, Hood River, Oreg. Fishing lures. Serial No. 421,275; Jan. 9. Class 22.
Johnson & Gordon, New York, N. Y. Ointment of liquid for external use in the treatment of skin disorders, infections, etc. Serial No. 419,521; Jan. 9. Class 6.
Johnson, Milton C., Company, Inc., New York, N. Y. Check books. Serial No. 425,337; Jan. 9. Class 37.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. Serial No. 413,715; Jan. 9. Class 9.
Kaufman, B. M., Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 425,699; Jan. 9. Class 42.
Keeno Packing Company, doing business as Aristocrat Packing Company, South Gate, Calif. Canned dog and cat food. Serial No. 415,895; Jan. 9. Class 46.
Kewar Company. (See Warner, Keith.)
Knight, John A., Orange, N. J. Pamphlets. Serial No. 425,001; Jan. 9. Class 38.
Knowlton, Wm., & Sons Company, Inc., West Upton, Mass. Women's hats. Serial No. 425,338; Jan. 9. Class 39.
Koch, Max, & Son, Inc., New York, N. Y. Fur stoles, hoods, coats, etc. Serial No. 425,700; Jan. 9. Class 39.
Kon-Sole Company, The, Rochester, N. Y. Medicated insoles for shoes. Serial No. 421,973; Jan. 9. Class 39.
Kresge, Sebastian S., doing business as Kresge Department Store, Newark, Newark, N. J. Women's hosiery of genuine silk. Serial No. 424,173; Jan. 9. Class 39.
Leading Perfumers & Chemists, Inc., New York, N. Y. Cosmetics. Serial No. 421,741; Jan. 9. Class 6.
Leterstone Sales Company, Chicago, Ill. Electrical flash lights and bicycle lights. Serial No. 424,920; Jan. 9. Class 21.
Liska, Rudolph, & Sons, Inc., Chicago, Ill. Wines. Serial No. 423,670; Jan. 9. Class 47.
Lord & Burnham Company, Des Plaines, Ill. Portable or knockdown buildings. Serial No. 424,923; Jan. 9. Class 12.
MacNeill, Gordon M., Lynbrook, N. Y. Liquid dentifrices. Serial No. 424,965; Jan. 9. Class 6.
Maltine Company, The, New York, N. Y. Antiseptics and deodorants. Serial No. 425,248; Jan. 9. Class 6.
Marion Metal Products Company, The, Marion, Ohio. Burial vaults. Serial No. 422,366; Jan. 9. Class 2.
Marlboro Shirt Co., Inc., Baltimore, Md. Pants and shirt ensembles for outer wear, ensembles of outer shirts and neckties, and sport coats. Serial No. 425,416; Jan. 9. Class 39.
Marta Cigar Company, New York, N. Y. Cigars. Serial No. 425,417; Jan. 9. Class 17.
Martin-Copeland Company, Providence, R. I. Ophthalmic mountings and parts of same. Serial No. 420,283; Jan. 9. Class 26.
Match King, Inc., Chicago, Ill. Cameras, photographic lenses and sensitized photographic films. Serial No. 419,620; Jan. 9. Class 26.
Mathieson Alkali Works (Inc.), The, New York, N. Y. Soda ash. Serial No. 425,522; Jan. 9. Class 6.
Maxfal Chemical Company. (See Maxwell, Bert F.)
Maxwell, Bert F., doing business as Maxfal Chemical Company, Brooklyn, N. Y. Chemical preparation. Serial No. 424,925; Jan. 9. Class 6.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., and doing business as Famous-Barr Co., St. Louis, Mo. Shirts. Serial No. 424,883; Jan. 9. Class 39.
May Oil Burner Corporation, Baltimore, Md. Oil burners and filters for oil burners, blowers, etc. Serial No. 423,735; Jan. 9. Class 34.
May Way Mills, Inc., Kansas City, Mo. Hog feed. Serial No. 419,356; Jan. 9. Class 46.
McCarrick, James G., doing business as James G. McCarrick Co., Robstown, Tex. Fresh vegetables. Serial No. 416,515; Jan. 9. Class 46.
McMahon, J. R., doing business as McMahon Company, Rapid City, S. Dak. Alfalfa seeds, field and garden seeds. Serial No. 421,524; Jan. 9. Class 1.
Merrell, J. S., Drug Co., St. Louis, Mo. Liniment. Serial No. 422,293; Jan. 9. Class 6.
Merrimack Manufacturing Company, Lowell, Mass. Cotton pile fabrics in the piece. Serial Nos. 419,870–1; Jan. 9. Class 42.
Middletown Footwear Inc., Middletown, N. Y. Slippers, sandals, shoes, and boots. Serial No. 424,817; Jan. 9. Class 39.
Mifflin Sales Company, Philadelphia, Pa. Perfume sticks. Serial No. 425,618; Jan. 9. Class 6.
Milwaukee Lace Paper Company, Milwaukee, Wis. Coasters of cellulose material. Serial No. 425,249; Jan. 9. Class 50.
Mineralized Foods, Inc., Baltimore, Md. Laxative preparation. Serial No. 424,926; Jan. 9. Class 6.
Mission Chemical Company. (See Ashbrook, E. R.)
Missouri Garment Company, Inc., Kansas City, Mo. Junior sizes of ladies' dresses. Serial No. 421,526; Jan. 9. Class 39.
Mitchell Brothers Inc., New York, N. Y., and Bridgeport, Conn. Women's underwear and lingerie. Serial No. 421,152; Jan. 9. Class 39.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Paint oil and varnish. Serial No. 425,344; Jan. 9. Class 16.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Varnish floor sealer. Serial No. 425,346; Jan. 9. Class 16.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Paint. Serial Nos. 425,348–9; Jan. 9. Class 16.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Floor varnish. Serial No. 425,350; Jan. 9. Class 16.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Heat resisting paints. Serial No. 425,361; Jan. 9. Class 16.
N. V. Paul C. Kaiser, Rotterdam, Netherlands. Bakers' and confectioners' products. Serial No. 421,746; Jan. 9. Class 46.
Nannette Manufacturing Co., Philadelphia, Pa. Children's dresses, play-togs, and beachwear. Serial No. 424,780; Jan. 9. Class 39.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Matches, dynamite, fuses, etc. Serial No. 425,251; Jan. 9. Class 9.
National Department Stores Management & Buying Corporation, New York, N. Y. Hats, jerkins, sweaters, etc. Serial No. 423,227; Jan. 9. Class 39.
National Sea Foods Co. Inc., Galveston, Tex. Sea foods. Serial No. 416,813; Jan. 9. Class 46.
New England Bedding Company, Medford, Mass. Couches. Serial No. 422,952; Jan. 9. Class 32.
Norton-McMurray Manufacturing Company, Chicago, Ill. Pipe, pipe fittings, pipe clamps, and meter bars. Serial No. 425,007; Jan. 9. Class 13.

Norwich Pharmacal Company, The, Norwich, N. Y. Internal lubricants, laxatives and a preparation for treating constipation. Serial No. 425,154; Jan. 9. Class 6.
Pande, Cameron & Co., New York, N. Y. Rugs and carpets. Serial No. 425,706; Jan. 9. Class 42.
Parfumerie Roger et Gallet, Société Anonyme, Paris, France. Perfumes, toilet waters, face and toilet powders, etc. Serial No. 425,805; Jan. 9. Class 6.
Parke, Davis & Company, Detroit, Mich. Gonadotropic preparation. Serial No. 425,297; Jan. 9. Class 6.
Parker, Frederick, Limited, Leicester, England. Machines for crushing or breaking stone, slag, gravel, etc. Serial No. 425,620; Jan. 9. Class 23.
Pennsylvania Grade Crude Oil Association, Oil City, Pa. Lubricating oils and greases. Serial Nos. 408,367–8; Jan. 9. Class 15.
Pennsylvania Grade Crude Oil Association, Oil City, Pa. Lubricating oils and greases. Serial No. 410,244; Jan. 9. Class 15.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Smoked salt. Serial No. 425,061; Jan. 9. Class 6.
Permo Products Corporation, Chicago, Ill. Phonograph needles. Serial No. 424,366; Jan. 9. Class 36.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Antiseptic. Serial No. 425,062; Jan. 9. Class 6.
Phillips, Thomas R., Jr., doing business as Interstate Sales Company, Youngstown, Ohio. Beverages and syrups and extracts for making the same. Serial Nos. 422,841–3; Jan. 9. Class 45.
Picciotto, Carmelo, Everett, Mass. Preparation for use on the hair. Serial No. 424,602; Jan. 9. Class 6.
Pine Products Distributing Company, Patrick, S. C. Medicinal pine tar oil preparation. Serial No. 414,504; Jan. 9. Class 6.
Pine Products Distributing Company, Patrick, S. C. Medicinal pine tar oil preparation. Serial No. 414,506; Jan. 9. Class 6.
Pittsburgh-Corning Corporation, Pittsburgh, Pa. Architectural glass. Serial Nos. 418,982–6; Jan. 9. Class 12.
Plesener, Paul, Company, The, Detroit, Mich. Preparation for treatment of iron deficiencies and secondary anemias. Serial No. 425,300; Jan. 9. Class 6.
Pollak, Henry, Inc., New York, N. Y. Hats and hat bodies. Serial No. 425,487; Jan. 9. Class 39.
Potat-O-Pop Chip Mfg. Co., Inc., Cleveland, Ohio. Popped confection. Serial No. 423,043; Jan. 9. Class 46.
Prim-Era Hosiery Mills, Inc., Chester, Ill. Hosiery. Serial No. 425,207; Jan. 9. Class 39.
Recotin Corporation, New York, N. Y. Phonograph needles and parts. Serial No. 424,740; Jan. 9. Class 36.
Rogers Peet Company, New York, N. Y. Outer shirts and pajamas. Serial No. 419,126; Jan. 9. Class 39.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asphalt sidings. Serial No. 425,079; Jan. 9. Class 12.
Saleva, G., & Co., New York, N. Y. Cosmetics. Serial No. 418,988; Jan. 9. Class 6.
Schmidt, C., & Sons, Inc., Philadelphia, Pa. Malt beverages. Serial No. 425,535; Jan. 9. Class 48.
Schwabe, Irwin B., Company, Incorporated, New York, N. Y. Shirts and play suits. Serial No. 425,209; Jan. 9. Class 39.
Selected Food Specialties Co., San Francisco, Calif. Fruits and vegetables, chili sauce, etc. Serial No. 419,448; Jan. 9. Class 46.
Sethness, C. O. & W. D., Company, Chicago, Ill. Extracts. Serial No. 423,280; Jan. 9. Class 45.
Sherwin Corporation, Shorewood, Wis. Crushed stone or rock, disintegrated granite, decayed or rotten stone. Serial No. 421,584; Jan. 9. Class 1.
Siegel, D., Co., New York, N. Y. Suits, top coats, overcoats, etc. Serial No. 424,211; Jan. 9. Class 39.
Smith, Landon P., Inc., Irvington, N. J. Floor sanding machinery and parts thereof. Serial No. 423,073; Jan. 9. Class 23.
South Pacific Canning Co., Long Beach, Calif. Canned fish. Serial Nos. 425,307–8; Jan. 9. Class 46.
South Pacific Canning Co., Long Beach, Calif. Canned fish. Serial No. 425,369; Jan. 9. Class 46.
Spencer, William B., Houston, Tex. Hand-woven woolen piece goods, blankets, shawls, etc. Serial No. 423,480; Jan. 9. Class 42.
Standard Brands Incorporated, New York, N. Y. Vitamin-containing food. Serial No. 424,860; Jan. 9. Class 46.
Standard Brands Incorporated, New York, N. Y. Frozen fruits. Serial No. 425,068; Jan. 9. Class 46.
Standard Gas and Equipment Company, Plaquemine, La. Butane. Serial No. 423,401; Jan. 9. Class 6.
Standard Oil Company of New Jersey, Wilmington, Del. Anti-freeze compounds, leak stopping and rust preventing compounds. Serial Nos. 425,435–6; Jan. 9. Class 6.
Standard Supply Company, The, New Haven, Conn. Cleaning compounds and detergents. Serial No. 424,977; Jan. 9. Class 4.
Stearns, Frederick, & Company, Detroit, Mich. Preparation used in the treatment of muscular aches and pains and certain rheumatic conditions. Serial No. 425,845; Jan. 9. Class 6.
Steel Protection and Chemical Co. Inc., Mooresville, Ind. Enamels and other protective coatings. Serial No. 416,876; Jan. 9. Class 16.
Steinberg, Arthur, Philadelphia, Pa. Hemostatic preparations. Serial No. 413,084; Jan. 9. Class 6.
Sterile Products Company, Inc., San Diego, Calif. Tablets for making a mouth wash and gargle. Serial No. 425,070; Jan. 9. Class 6.
Stetson, John B., Company, Philadelphia, Pa. Men's hats. Serial No. 424,562; Jan. 9. Class 39.
Stewart, Patterson O., doing business as Electro Products Company, New York, N. Y. Ignition test instruments. Serial No. 425,591; Jan. 9. Class 26.
Susu Nut Co., The, Chicago, Ill. Salted and candied nuts, and candies. Serial No. 419,279; Jan. 9. Class 46.
Sutton-Sadowsky, Inc., New York, N. Y. Women's apparel. Serial No. 423,445; Jan. 9. Class 39.
Synthetic Nitrogen Products Corporation, New York, N. Y. Fertilizers. Serial No. 425,817; Jan. 9. Class 10.
Tauder, William C., Inc., New York, N. Y. Hat bodies. Serial No. 424,829; Jan. 9. Class 39.
Ticonderoga Cold Bow Wow Company. (See Gaus, Louis H.)
Trew, D. F., trustee for Belmont Brewing Co., Martins Ferry, Ohio. Ale. Serial Nos. 424,744–5; Jan. 9. Class 48.
Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Baby walkers. Serial No. 425,631; Jan. 9. Class 22.
Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. Serial No. 422,222; Jan. 9. Class 1.
Truval Manufacturers, Inc., New York, N. Y. Pajamas and sportswear. Serial No. 425,261; Jan. 9. Class 39.
United Toilet Goods Corp., New York, N. Y. Toilet water, sachet, bath powder, etc. Serial No. 418,078; Jan. 9. Class 6.
Universal Camera Corporation, New York, N. Y. Cameras. Serial No. 425,440; Jan. 9. Class 26.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 425,072; Jan. 9. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal substance. Serial No. 425,073; Jan. 9. Class 6.
Ushco Manufacturing Company Inc., Buffalo, N. Y. Upholstered furniture. Serial No. 425,767; Jan. 9. Class 32.
Vegetable Oil Products Co., Inc., Wilmington, Calif. Shortening. Serial No. 417,988; Jan. 9. Class 46.
Vidrio Products Corporation, Chicago, Ill. Electrically operated household machine for mixing food and drink substances. Serial Nos. 425,171–2; Jan. 9. Class 21.
Vitamineral Products Company. (See Casey, Paul S.)
Volume Sprayer Manufacturing Company, Inc., Tulsa, Okla. Board games. Serial No. 425,677; Jan. 9. Class 22.
Wagner Manufacturing Company, Cedar Falls, Iowa. Carpenters' trestles. Serial No. 424,790; Jan. 9. Class 50.
Walker, Corp & Co., Inc., Syracuse, N. Y. Laxative tablets. Serial No. 424,934; Jan. 9. Class 6.
Warner, J. Wilbur, doing business as Blue & Grey Specialty Co., Frederick, Md. Chocolates. Serial No. 424,321; Jan. 9. Class 46.
Warner, Keith, doing business as Kewar Company, Gloversville, N. Y. Billfold. Serial No. 421,550; Jan. 9. Class 3.
Wells & Richardson Company, Incorporated, Burlington, Vt. Dyes. Serial No. 425,174; Jan. 9. Class 6.
Wesco Foods Company, Cincinnati, Ohio. Furniture polish. Serial No. 382,732; Jan. 9. Class 16.
White, F. H., Company, The, Philadelphia, Pa. Hand bags. Serial No. 425,633; Jan. 9. Class 3.
Wilhoite-Evans and Cohn, Inc., Los Angeles, Calif. Sport suits, sport coats, overcoats, and slacks. Serial No. 425,443; Jan. 9. Class 39.
Wilson Distilling Company, Inc., Bristol, Pa. Whiskey. Serial No. 415,680; Jan. 9. Class 49.
Zoro Company, The, Chicago, Ill. Treated pastry cloth and rolling pin jackets. Serial No. 422,266; Jan. 9. Class 50.

LIST OF REGISTRANTS OF TRADE-MARKS

Aberle, Inc., Philadelphia, Pa. Display devices in the nature of color charts for wearing apparel. 374,466; Jan. 9; Serial No. 422,847; published Oct. 31, 1939. Class 50.
Accuracy Scientific Instrument Company, Philadelphia, Pa. Thermometers. 374,541; Jan. 9. Class 26.
Aldox Research Corporation, Boston, Mass. Shampoo to be used on dogs. 374,536; Jan. 9. Class 6.
Alpha Mills, Inc., Pottsville, Pa. Panties, vests, bloomers, etc. 374,341; Jan. 9; Serial No. 408,984; published Nov. 8, 1938. Class 39.
Amalgamated Dental Co. Ltd., The, London, England. Substances for taking dental impressions. 374,106; Jan. 9; Serial No. 421,755; published Oct. 31, 1939. Class 44.

American Abrasive Company, Westfield, Mass. Abrasives. 130,603; renewed May 4, 1940.
American Brake Shoe and Foundry Company, The, New York, N. Y. Welding rods and metal alloys. 374,363; Jan. 9; Serial No. 419,247; published Oct. 31, 1939. Class 14.
American Chain & Cable Company, Inc., Bridgeport, Conn. Ferrous metal wire, sheets, and rods. 374,494; Jan. 9; Serial No. 423,365; published Oct. 31, 1939. Class 14.
American Fixture and Mfg. Co., St. Louis, Mo. Furniture. 374,520; Jan. 9. Class 32.
American Turpentine Farmers Association Co-Operative, Valdosta, Ga. Turpentine. 374,455; Jan. 9; Serial No. 422,648; published Oct. 31, 1939. Class 16.
Armour and Company of Delaware. (See Morris & Company, assignor.)
Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Building cement. 374,335; Jan. 9; Serial No. 393,685; published Feb. 15, 1938. Class 12.
Atlas Chemical Company. (See Northwestern Chemical Co., The, assignor.)
Augstein, S., & Co., College Point, N. Y. Dresses, play suits, outer skirts, etc. 374,418; Jan. 9; Serial No. 421,988; published Oct. 17, 1939. Class 39.
Auto-Ordnance Corporation, New York, N. Y. Pistols, rifles, guns, etc. 128,002; renewed Dec. 23, 1939.
B. C. Leather Co. Ltd., Vancouver, British Columbia, Canada. Golf clubs and golf club parts. 374,537; Jan. 9. Class 22.
B & S Laboratories, New York, N. Y. Shampoo. 374,518; Jan. 9. Class 6.
Baehr, Eugene B., & Sons, New York, N. Y. Fish food. 374,484; Jan. 9; Serial No. 423,156; published Oct. 31, 1939. Class 46.
Baker Clothes, Inc., Philadelphia, Pa. Suits, coats, vests, etc. 374,453; Jan. 9; Serial No. 422,568; published Oct. 10, 1939. Class 39.
Becker & Peck Incorporated, New York, N. Y. Baby boy suits and boys' suits, sun-suits, etc. 374,356; Jan. 9; Serial No. 418,403; published Oct. 31, 1939. Class 39.
Bez, Samuel M., doing business as Regent Products Company, Detroit, Mich. Prophylactic rubber articles. 374,500; Jan. 9; Serial No. 423,547; published Oct. 31, 1939. Class 44.
Biberman Bros. Inc., Philadelphia, Pa. Dresses. 374,447; Jan. 9; Serial No. 422,503; published Oct. 10, 1939. Class 39.
Birnbaum, Irving J., doing business as Man O' War Publishing Company, New York, N. Y. Periodical publication. 374,374; Jan. 9; Serial No. 420,205; published Oct. 24, 1939. Class 38.
Blue Swan Mills Inc., New York, N. Y. Ladies' and children's underwear. 374,439; Jan. 9; Serial No. 422,354; published Oct. 10, 1939. Class 39.
Bopf-Whittam Corporation, Linden, N. J. Base material adapted for the production of face creams and similar creams. 374,516; Jan. 9. Class 6.
Boston Maid, Waltham, Mass. Coats, suits, skirts, etc. 374,381; Jan. 9; Serial No. 420,472; published Oct. 10, 1939. Class 39.
Boyle Leather Goods Co. Inc., New York, N. Y. Brief case. 374,544; Jan. 9. Class 3.
Bradshaw & Kraitzer, St. Louis, Mo. Ladies' coats and suits. 374,469; Jan. 9; Serial No. 422,890; published Oct. 17, 1939. Class 39.
Brillo Manufacturing Company, Inc., New York, N. Y. Soaps, cleaning, scouring, and polishing wads, pads, rolls, and cloths of abradent nature. 374,488–9; Jan. 9; Serial Nos. 423,290–1; published Oct. 31, 1939. Class 4.
Brown, M. Stanley, New York, N. Y. Yarns. 374,526; Jan. 9. Class 43.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Activated carbon. 374,535; Jan. 9. Class 6.
Cardinal Hosiery Co. Inc., New York, N. Y. Hosiery, housecoats, and lingerie, etc. 374,368; Jan. 9; Serial No. 419,847; published Oct. 10, 1939. Class 39.
Carey Salt Co., The, Hutchinson, Kans. Salt. 374,366; Jan. 9; Serial No. 419,792; published Oct. 31, 1939. Class 46.
Celanese Corporation of America, New York, N. Y. Sport shirts and underwear. 374,396; Jan. 9; Serial No. 421,450; published Oct. 17, 1939. Class 39.
Center Watch & Diamond Co., Inc. (See Gross, Benjamin & Edward J., Co., Inc., assignor.)
Chicago Daily News, Inc., Chicago, Ill. Section of a periodical publication. 374,442; Jan. 9; Serial No. 422,460; published Oct. 31, 1939. Class 38.
Chicago Mail Order Company, Chicago, Ill. Misses' dresses and coats. 374,383; Jan. 9; Serial No. 420,514; published Oct. 17, 1939. Class 39.
Chicago Mail Order Company, Chicago, Ill. Women's coats, suits, and dresses. 374,470; Jan. 9; Serial No. 422,893; published Oct. 24, 1939. Class 39.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Steel. 374,452; Jan. 9; Serial No. 422,564; published Oct. 31, 1939. Class 14.
Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts and underwear. 374,308; Jan. 9; Serial No. 421,564; published Oct. 10, 1939. Class 39.
Clyman Canning Company, Hartford, Wis. Canned peas. 374,478; Jan. 9; Serial No. 422,985; published Oct. 31, 1939. Class 46.
Coe Laboratories, Inc., Chicago, Ill. Dental magazine. 374,399; Jan. 9; Serial No. 421,640; published Oct. 24, 1939. Class 38.
Cohen, Goldman & Co., Inc., New York, N. Y. Coats, vests, pants, etc. 374,395; Jan. 9; Serial No. 421,419; published Oct. 24, 1939. Class 39.
Collins and Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Threads and yarns. 374,448; Jan. 9; Serial No. 422,505; published Oct. 10, 1939. Class 43.
Collins, Ashton B., Birmingham, Ala. Books, circulars, advertising matter, etc. 374,463; Jan. 9; Serial No. 422,806; published Oct. 24, 1939. Class 38.
Collins-Dietz-Morris Company, Oklahoma City, Okla. Canned and bottled goods. 374,342; Jan. 9; Serial No. 409,119; published Oct. 31, 1939. Class 46.
Colson Corporation, The, Elyria, Ohio. Bicycles. 374,512; Jan. 9. Class 19.
Columbia Skirt Co. (See Schneider, Marks.)
Continental Motors Corporation, Detroit and Muskegon, Mich. Internal combustion engines, complete industrial power units, etc. 374,486; Jan. 9; Serial No. 423,208; published Oct. 31, 1939. Class 23.
Cooper, Wells & Company, St. Joseph, Mich. Hosiery for women. 374,437; Jan. 9; Serial No. 422,274; published Oct. 24, 1939. Class 39.
Cooper's, Incorporated, Kenosha, Wis. Undershirts. 374,402; Jan. 9; Serial No. 421,727; published Oct. 10, 1939. Class 39.
Corn Products Refining Company, New York, N. Y. Feedstuffs. 374,403; Jan. 9; Serial No. 421,728; published Oct. 31, 1939. Class 46.
Cowdrey Products Company, Inc., Fitchburg, Mass. Bottle closures. 374,425; Jan. 9; Serial No. 422,088; published Oct. 31, 1939. Class 50.
Crow, Arthur F., doing business as Crow's Hybrid Corn Company, Milford, Ill. Seed corn. 374,351; Jan. 9; Serial No. 417,643; published Oct. 31, 1939. Class 1.
Crown Luggage Co. (See Neumann, Jacob.)
Cundy-Bettoney Company, Inc., The, Boston, Mass. Flutes, piccolos, clarinets, etc. 374,538; Jan. 9. Class 36.
Currick & Leiken Co. Inc., New York, N. Y. Sport jackets and suits, slacks, etc. 374,485; Jan. 9; Serial No. 423,165; published Oct. 31, 1939. Class 39.
Daily Vitamins, Inc., Cincinnati, Ohio. Pharmaceutical preparations. 374,508; Jan. 9. Class 6.
Daroff, H., & Sons, Inc., Philadelphia, Pa. Suits and trousers. 374,401; Jan. 9; Serial No. 421,696; published Oct. 17, 1939. Class 39.
Daroff, H., & Sons, Inc., Philadelphia, Pa. Overcoats and topcoats. 374,480; Jan. 9; Serial No. 423,086; published Oct. 31, 1939. Class 39.
Divine, Dwight, & Sons, to Dwight Divine & Sons, Inc., Ellensville, N. Y., successor. Cutlery. 130,706; renewed May 4, 1940.
Domestic Stoker Company, Pullman, Wash. Coal stokers and parts thereof. 374,361; Jan. 9; Serial No. 419,185; published Oct. 31, 1939. Class 34.
Donaldson, J. G., Los Angeles, Calif. Dishwasher. 374,507; Jan. 9. Class 23.
Dreisen, Meyer & Oronsky Inc., New York, N. Y. Suits, overcoats, and topcoats. 374,339; Jan. 9; Serial No. 406,283; published Sept. 19, 1939. Class 39.
Durkee-Mower, Inc., Lynn, Mass. Marshmallow cream. 374,337; Jan. 9; Serial No. 404,168; published Apr. 11, 1939. Class 46.
Durst, S. F., & Company, Inc. (See Schmitz, Joseph H., assignor.)
Eagle Clothes, New York, N. Y. Overcoats, topcoats, and suits. 374,393; Jan. 9; Serial No. 421,377; published Oct. 10, 1939. Class 39.
Eagle Clothes, New York, N. Y. Overcoats, topcoats, and suits. 374,475; Jan. 9; Serial No. 422,928; published Oct. 17, 1939. Class 39.
East Asiatic Co., Inc., The, San Francisco, Calif. Peat moss. 374,349; Jan. 9; Serial No. 415,768; published June 6, 1939. Class 1.
Eastern Felt Company, Winchester, Mass. Felt polishing-wheels. 131,900; renewed May 25, 1940.
Eastern Fountain Co., Boston, Mass. Drinking-fountains and parts thereof. 130,708; renewed May 4, 1940.
Elderwood Citrus Association, Woodlake, Calif. Fresh citrus fruits. 374,411; Jan. 9; Serial No. 421,876; published Oct. 31, 1939. Class 46.
Electrical Research Laboratories, Inc., Evanston, Ill. Radio receiving sets and parts thereof and electrical appliances and equipment. 374,479; Jan. 9; Serial No. 422,990; published Oct. 31, 1939. Class 21.
El Morocco Corporation, New York, N. Y. Perfume. 374,528; Jan. 9. Class 6.
Enrich Products Co., Inc., New York, N. Y. Preparation used in the treatment of the blood. 374,519; Jan. 9. Class 6.
Enro Shirt Company, Inc., The, Louisville, Ky. Shirts, pajamas, and sport shirts. 374,459; Jan. 9; Serial No. 422,738; published Oct. 31, 1939. Class 39.
Essley Shirt Company, Inc., New York, N. Y. Men's negligee shirts with collars attached. 374,460; Jan. 9; Serial No. 422,739; published Oct. 31, 1939. Class 39.
Etkin-Banner Co., Inc., The, New York, N. Y. Fur coats and coats and suits trimmed with fur. 374,392; Jan. 9; Serial No. 421,342; published Oct. 17, 1939. Class 39.

Fairy Silk Mills, Shillington, Pa. Garments. 374,346; Jan. 9; Serial No. 413,008; published Oct. 24, 1939. Class 39.
Famine Corporation, The, Dover, Del., and Camden, N. J. Sanitary pantie. 374,389; Jan. 9; Serial No. 421,134; published Oct. 31, 1939. Class 44.
Farrel Foundry & Machine Company, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Machinery and parts thereof. 131,749; renewed May 25, 1940.
Farrell Publishing Corporation, New York, N. Y. Periodical. 374,468; Jan. 9; Serial No. 422,881; published Oct. 24, 1939. Class 38.
Firestone Tire & Rubber Company, The, Akron, Ohio. Inner tubes for pneumatic tire casings. 374,523; Jan. 9. Class 35.
Ford Motor Company, Dearborn, Mich. Heating and forced draft ventilating units. 374,336; Jan. 9; Serial No. 401,478; published Aug. 2, 1939. Class 34.
Foundry Equipment Company, The, Cleveland, Ohio. Industrial ovens. 374,506; Jan. 9. Class 34.
Frederick, G. O., Louisville, Ky. Baked sea turtle meat and turtle soup. 374,521; Jan. 9. Class 46.
French Sardine Co., Inc., Terminal Island, Calif. Canned fish. 374,481; Jan. 9; Serial No. 423,093; published Oct. 31, 1939. Class 46.
Freydberg, G. H. & E., Inc., New York, N. Y. Boys' and girls' jersey knit creepers and two-piece suits, and overalls. 374,386; Jan. 9; Serial No. 420,812; published Oct. 31, 1939. Class 39.
Gardner Machine Company, South Beloit, Ill. Abrasive wheels or disks. 374,464–5; Jan. 9; Serial Nos. 422,816–17; published Oct. 31, 1939. Class 4.
Garland Milling Company, Greensburg, Ind. Wheat flour. 374,476; Jan. 9; Serial No. 422,929; published Oct. 31, 1939. Class 46.
Glasglo Limited, Philadelphia, Pa. Sweaters. 374,443; Jan. 9; Serial No. 422,472; published Oct. 10, 1939. Class 39.
Glemby Company, Inc., The, New York, N. Y. Hair goods. 374,529; Jan. 9. Class 40.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Covers for automobile seats and seat backs. 374,365; Jan. 9; Serial No. 419,479; published July 18, 1939. Class 19.
Gregory & Read Co., Lynn, Mass. Ladies' and misses' shoes and slippers. 374,456; Jan. 9; Serial No. 422,669; published Oct. 24, 1939. Class 39.
Grieco Bros., Inc., Lawrence, Mass. Overcoats, top coats, sport suits, etc. 374,379; Jan. 9; Serial No. 420,409; published Oct. 31, 1939. Class 39.
Griswold Manufacturing Company, The, Erie, Pa. Cooking utensils. 130,740; renewed May 4, 1940.
Gross, Benjamin & Edward J., Co., Inc., New York, N. Y., assignor to Center Watch & Diamond Co., Inc., Chattanooga, Tenn. Watches and watch movements. 374,532; Jan. 9. Class 27.
Guelph Elastic Hosiery Company Limited, Guelph, Ontario, Canada. Elastic supporters. 374,416; Jan. 9; Serial No. 421,969; published Oct. 31, 1939. Class 44.
Guthrie, C. B., Tariff Bureau, Inc., Washington, D. C. Time schedules. 374,350; Jan. 9; Serial No. 416,808; published Oct. 24, 1939. Class 38.
Hahn, Wm., & Co., Washington, D. C. Shoes. 374,367; Jan. 9; Serial No. 419,803; published Aug. 8, 1939. Class 39.
Haloid Company, The, Rochester, N. Y. Photographic and developing papers. 131,480; renewed May 18, 1940.
Harrison, Carter H., & Company, Chicago, Ill. Publication. 374,424; Jan. 9; Serial No. 422,084; published Oct. 31, 1939. Class 38.
Heath, Almon A., doing business as Heath Stenciling Products, Hawthorne, Calif. Duplicating stencil products, equipment and parts therefor. 374,357; Jan. 9; Serial No. 418,482; published Oct. 31, 1939. Class 37.
Hechter, Bertha L., San Francisco, Calif. Liquid solution for killing fleas. 374,525; Jan. 9. Class 6.
Hell Co., The, Milwaukee, Wis. Oil burners; boiler-burner units; etc. 374,522; Jan. 9. Class 34.
Herrett, Clarence J., Bremerton, Wash. Cleansing preparation. 374,495; Jan. 9; Serial No. 423,381; published Oct. 31, 1939. Class 4.
Herzberg, Albert C., doing business as Kumfo Truss Company, New York, N. Y. Trusses. 374,502; Jan. 9; Serial No. 423,811; published Oct. 31, 1939. Class 44.
Hoffman, Albert H., doing business as Hoffman Health Products Co., Tampa, Fla. Cuban honey. 374,542; Jan. 9. Class 46.
Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 374,412; Jan. 9; Serial No. 421,879; published Oct. 24, 1939. Class 39.
Hollingsworth, Robert B., Chicago, Ill. Cartoons. 374,394; Jan. 9; Serial No. 421,382; published Oct. 24, 1939. Class 38.
Horowitz Bros. & Margareten, Inc., New York, N. Y. Cakes or biscuits. 131,941; renewed June 1, 1940.
Howard & Casey Co., Mount Vernon, Ill. Coffee. 127,747; renewed Dec. 2, 1939.
Hubbell, Harvey, Incorporated, Bridgeport, Conn. Electric lighting and wiring fixtures. 130,746; renewed May 4, 1940.
Hudson County Tobacco Company, Jersey City, N. J. Smoking tobacco. 374,449; Jan. 9; Serial No. 422,511; published Oct. 31, 1939. Class 17.
Imperial Electrical Co., Union City, Ind. Electric milk and cream testers. 131,498; renewed May 18, 1940.
International Silver Company, Meriden, Conn. Silver plated flat-ware and table-ware. 374,345; Jan. 9; Serial No. 412,892; published Dec. 27, 1938. Class 26.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 374,378; Jan. 9; Serial No. 420,375; published Aug. 15, 1939. Class 39.
Jones, John G., doing business as Jones Brothers Co., Chicago, Ill. Glass cleaning preparation. 374,444; Jan. 9; Serial No. 422,476; published Oct. 31, 1939. Class 4.
Kaylon, Inc., New York, N. Y. Pajamas. 374,417; Jan. 9; Serial No. 421,972; published Oct. 10, 1939. Class 39.
Kenilworth Mfg. Co., Inc., New York, N. Y. Ski clothes, snow pants, snowsuits, etc. 374,407; Jan. 9; Serial No. 421,779; published Oct. 31, 1939. Class 39.
Klemp, William F., Company, Chicago, Ill. Reinforcing armor adapted for use in bridge decking, loading platforms, etc. 374,471; Jan. 9; Serial No. 422,901; published Oct. 31, 1939. Class 12.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co. Inc., New York, N. Y. Flavoring extract. 130,780; renewed May 4, 1940.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co. Inc., New York, N. Y. Starch. 131,522; renewed May 18, 1940.
Kolbert-Lieberman, Inc., New York, N. Y. Coats, suits, and combinations thereof. 374,420; Jan. 9; Serial No. 422,058; published Oct. 10, 1939. Class 39.
Kos, Frank J., Chicago, Ill. Toothbrushes. 374,509; Jan. 9. Class 29.
Kramer Brothers, New York, N. Y. Socks and stockings. 374,432; Jan. 9; Serial No. 422,251; published Oct. 10, 1939. Class 39.
Kresge, Sebastian S., doing business as Kresge Department Store, Newark, Newark, N. J. Hosiery. 374,347; Jan. 9; Serial No. 413,678; published Mar. 28, 1939. Class 39.
Kumfo Truss Company. (See Herzberg, Albert C.)
Lady Ester Lingerie Corporation, New York, N. Y. Slips, panties, pajamas, etc. 374,472; Jan. 9; Serial No. 422,902; published Oct. 24, 1939. Class 39.
Lampl Knitwear Company, The, Cleveland, Ohio. Sweaters, blouses, shirts, etc. 374,348; Jan. 9; Serial No. 415,567; published Oct. 10, 1939. Class 39.
Laskin Brothers, Inc., Philadelphia, Pa. Panties and women's undies. 374,482; Jan. 9; Serial No. 423,100; published Oct. 17, 1939. Class 39.
Lavino, E. J., and Company, Philadelphia, Pa. Refractory bricks, plastics, and cements. 374,504; Jan. 9; Serial No. 423,888; published Oct. 31, 1939. Class 12.
Lenart Import, Ltd., New York, N. Y. Dolls. 374,505; Jan. 9. Class 22.
Levy's Ladies Toggery, Inc., Memphis, Tenn. Hosiery, gowns, slips, etc. 374,358; Jan. 9; Serial No. 419,027; published Oct. 24, 1939. Class 39.
Lewis Bakery, Inc., Birmingham, Ala. Bread. 374,433; Jan. 9; Serial No. 422,252; published Oct. 31, 1939. Class 46.
Little Brothers Foundry Company, Port Huron, Mich. Iron alloy castings. 374,457; Jan. 9; Serial No. 422,670; published Oct. 31, 1939. Class 14.
Little, Leonard S., South Dennis, Mass. Dressed poultry and eggs. 374,354; Jan. 9; Serial No. 417,968; published Oct. 31, 1939. Class 46.
Lloyd, Stacy B., Jr., Berryville and Middleburg, Va. Publication. 374,371; Jan. 9; Serial No. 420,071; published Oct. 31, 1939. Class 38.
Loeser, Frederick, & Co., Inc. Brooklyn, N. Y. Women's genuine crepe hosiery. 374,414; Jan. 9; Serial No. 421,940; published Oct. 17, 1939. Class 39.
Lowe, Charles W., Dorchester, Mass. Liniment. 374,527; Jan. 9. Class 6.
Lubri-Zol Corporation, The, Wickliffe, Ohio. Lubricating oils and greases, lubricating oil compounds, etc. 374,426; Jan. 9; Serial No. 422,138; published Oct. 24, 1939. Class 15.
Macfadden Publications, Inc., New York, N. Y. Magazine. 374,382; Jan. 9; Serial No. 420,492; published Oct. 31, 1939. Class 38.
Madison Foods. (See Rural Educational Association.)
Makransky, S. & Sons, Philadelphia, Pa. Suits, coats, veats, etc. 374,408; Jan. 9; Serial No. 421,782; published Oct. 10, 1939. Class 39.
Mallinckrodt, L. K. (See Wood, C. Wilson.)
Man O' War Publishing Company. (See Birnbaum, Irving J.)
Marilyn Infants Wear Co., Inc., New York, N. Y. Infants', girls', boys', and misses' coats. 374,421; Jan. 9; Serial No. 422,062; published Oct. 17, 1939. Class 39.
Martocci, Frank T., New York, N. Y. Publication. 374,490; Jan. 9; Serial No. 423,308; published Oct. 24, 1939. Class 38.
McAuley, J. E., Mfg. Co., Chicago, Ill. Electric arc lamps for motion picture projectors. 374,533; Jan. 9. Class 21.
McLoughlin Bros., Inc., Springfield, Mass. Series of books. 374,413; Jan. 9; Serial No. 421,889; published Oct. 24, 1939. Class 38.

Meyer, Fred, Inc., Portland, Oreg. Tooth paste. 374,510; Jan. 9. Class 6.

Meyer, Fred, Inc., Portland, Oreg. Smoking tobacco. 374,511; Jan. 9. Class 17.

Meyer Furnace Company, The, Peoria, Ill. Blowers. 374,543; Jan. 9. Class 34.

Meyers-Seeman Company, Inc., Buffalo, N. Y. Suits, topcoats, overcoats, etc. 374,438; Jan. 9; Serial No. 422,294; published Oct. 10, 1939. Class 39.

Mitchell Brothers Inc., New York, N. Y., and Bridgeport, Conn. Underwear and lingerie. 374,390; Jan. 9; Serial No. 421,150; published Oct. 17, 1939. Class 39.

Modern Curtain Co. Inc., Boston, Mass. Window curtains. 374,434; Jan. 9; Serial No. 422,256; published Oct. 31, 1939. Class 42.

Morris & Company, assignor, by mesne assignments, to Armour and Company of Delaware, Chicago, Ill. Ham, boiled ham, and bacon. 128,249; renewed Dec. 30, 1939.

National Medical-Dental Products Corp., New York, N. Y. Surgical lamps. 374,501; Jan. 9; Serial No. 423,608; published Oct. 31, 1939. Class 44.

National Musical String Company, New Brunswick, N. J. Pitch-pipes. 131,806; renewed May 25, 1940.

National Silk Hosiery Mills, Inc., Indianapolis, Ind. Silk hosiery. 374,431; Jan. 9; Serial No. 422,216; published Oct. 17, 1939. Class 39.

Neajon Hosiery Company, Inc., New York, N. Y. Ladies' hosiery. 374,513; Jan. 9. Class 39.

Nelson, Julius, Corp., New York, N. Y. Women's and misses' coats, suits, and coat and suit ensembles. 374,422; Jan. 9; Serial No. 422,067; published Oct. 10, 1939. Class 39.

Neumann, Jacob, doing business as Crown Luggage Co., Baltimore, Md. Cosmetic and make-up cases. 374,539; Jan. 9. Class 3.

Northwestern Chemical Co., The, assignor to Atlas Chemical Company, Marietta, Ohio. Compounds for removing deposits from automobile-radiators, etc., and antifreezing compound. 129,813; renewed Mar. 9, 1940.

Notions, Inc., New York, N. Y. Chemically treated polishing cloths. 374,427; Jan. 9; Serial No. 422,147; published Oct. 31, 1939. Class 4.

Ogden-Utah Knitting Company, Ogden, Utah. Wash frocks, dresses, hostess coats, etc. 374,458; Jan. 9; Serial No. 422,713; published Oct. 17, 1939. Class 39.

Ozonized Ox Marrow Co., Warsaw, Ill. Pomade or dressing for the hair. 374,531; Jan. 9. Class 6.

Palestine House, Inc., New York, N. Y. Candies, preserves, condiments, etc. 374,376; Jan. 9; Serial No. 420,260; published Oct. 31, 1939. Class 46.

Palm Products Co. (See Schmitz, Joseph H.)

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. 374,445–6; Jan. 9; Serial Nos. 422,483–4; published Oct. 31, 1939. Class 37.

Pender, L. Dow, doing business as Pender Manufacturing & Supply Company, assignor to R. M. Pender, Raleigh, N. C. Apparatus for installation in building structures and to be used in the collection and disposal of garbage. 374,375; Jan. 9; Serial No. 420,236; published Oct. 24, 1939. Class 12.

Pennsylvania Woven Wire Company, Lock Haven, Pa. Screen wire cloth. 374,517; Jan. 9. Class 13.

Petrolite Corporation, Ltd. (See Tret-O-Lite Company, The, assignor.)

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 374,503; Jan. 9; Serial No. 423,619; published Oct. 31, 1939. Class 39.

Pioneer Manufacturing Company, Oklahoma City, Okla. Metal shutters. 374,385; Jan. 9; Serial No. 420,689; published Oct. 24, 1939. Class 12.

Pittsburg Waterproof Company, to Pittsburgh Waterproof Company, Pittsburgh, Pa. Woven cotton padding and tarpaulin and canvas covers. 126,751; renewed Sept. 30, 1939.

Pomona Products Co., Pomona, to Pomona Products Company, Griffin, Ga. Canned red peppers, canned pimento sauce, canned green peppers, etc. 131,919; renewed May 25, 1940.

Publishers Syndicate, Chicago, Ill. Newspaper cartoons. 374,360; Jan. 9; Serial No. 419,123; published Oct. 31, 1939. Class 38.

Regent Products Company. (See Bez, Samuel M.)

Reichhold Chemicals Inc., Detroit, Mich. Wood plastic molding powder. 374,377; Jan. 9; Serial No. 420,338; published Oct. 24, 1939. Class 12.

Remington Rand Inc., Buffalo, N. Y. Computing machines. 374,487; Jan. 9; Serial No. 423,230; published Oct. 31, 1939. Class 26.

Retailers Commercial Agency, Inc., New York, N. Y., and Philadelphia, Pa. Books (or booklets). 374,334; Jan. 9; Serial No. 385,108; published Oct. 24, 1939. Class 38.

Rex Research Corporation. (See Toledo Rex Spray Co., The, assignor.)

Richmond Hosiery Mills, Rossville, Ga. Hosiery. 374,338; Jan. 9; Serial No. 405,092; published Oct. 31, 1939. Class 39.

Roebling's, John A., Sons Company, Trenton, N. J. Wire netting. 374,409; Jan. 9; Serial No. 421,862; published Oct. 31, 1939. Class 13.

Rothstein, Joseph, Philadelphia, Pa. Maternity dresses. 374,491; Jan. 9; Serial No. 423,341; published Oct. 31, 1939. Class 39.

Royal Diamond and Watch Company, Inc., New York, N. Y. Suits and overcoats. 374,428; Jan. 9; Serial No. 422,153; published Oct. 24, 1939. Class 39.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Canned protein meat-like food. 374,352; Jan. 9; Serial No. 417,780; published Oct. 31, 1939. Class 46.

Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Breakfast cereals. 374,353; Jan. 9; Serial No. 417,781; published Oct. 31, 1939. Class 46.

Safford, Angier R., Philadelphia, Pa. Smoking tobacco. 374,343; Jan. 9; Serial No. 411,712; published Oct. 31, 1939. Class 17.

Sasso, Philip, New York, N. Y. Olive oil. 374,340; Jan. 9; Serial No. 407,884; published Feb. 14, 1939. Class 46.

Schick Dry Shaver, Inc., Stamford, Conn. Dry shavers, and shearing heads and casings for dry shavers. 374,496; Jan. 9; Serial No. 423,398; published Oct. 31, 1939. Class 23.

Schmidt, Karl, G. m. b. H., Neckarsulm, Germany. Base metals and alloys; raw castings; etc. 374,344; Jan. 9; Serial No. 412,232; published Oct. 31, 1939. Class 14.

Schmitz, Joseph H., doing business as Palm Products Co., assignor to S. F. Durst & Company, Inc., Philadelphia, Pa. Preparation for removing adhesive from the body. 374,534; Jan. 9. Class 6.

Schneider, Marks, doing business as Columbia Skirt Co., Boston, Mass. Skirts and jackets. 374,415; Jan. 9; Serial No. 421,947; published Oct. 24, 1939. Class 39.

Schneider, Mildred A., Los Angeles, Calif. Applicator. 374,391; Jan. 9; Serial No. 421,296; published Oct. 31, 1939. Class 29.

Schoenhofen Company, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Beverages. 130,572–3; renewed Apr. 27, 1940.

Scientific Waving Co., Toledo, Ohio. Equipment adapted for use with hair waving, etc., and treating machines together with such machines and parts thereof. 374,404; Jan. 9; Serial No. 421,748; published Oct. 31, 1939. Class 44.

Scolding Locks Corporation. (See Smith, Homer P.)

Seal-O-Sash Company, Brooklyn, N. Y. Metal window sash. 374,380; Jan. 9; Serial No. 420,441; published Oct. 24, 1939. Class 12.

Sekuler, Murray, New York, N. Y. Magazine. 374,388; Jan. 9; Serial No. 421,057; published Oct. 24, 1939. Class 38.

Sessenbrenner, A., Sons, Los Angeles, Calif. Cigars. 374,461; Jan. 9; Serial No. 422,787; published Oct. 31, 1939. Class 17.

Sessenbrenner, A., Sons, Los Angeles, Calif. Cigars. 374,462; Jan. 9; Serial No. 422,793; published Oct. 31, 1939. Class 17.

Shedd Products Company, Detroit, Mich. Oleomargarine and salad dressing. 374,473; Jan. 9; Serial No. 422,913; published Oct. 31, 1939. Class 46.

Sherwin-Williams Co., The, Cleveland, Ohio. Plastic asphalt or coal-tar materials. 374,429; Jan. 9; Serial No. 422,182; published Oct. 31, 1939. Class 12.

Shulton, Inc., New York, N. Y. Combination set consisting of a mug and soap. 374,369; Jan. 9; Serial No. 419,885; published Oct. 31, 1939. Class 50.

Sloat, Morris, doing business as M. Sloat Company, New York, N. Y. Skirts, jackets, blouses, etc. 374,400; Jan. 9; Serial No. 421,674; published Oct. 17, 1939. Class 39.

Smith, Homer P., to Scolding Locks Corporation, Appleton, Wis., successor. Hair-pins. 123,762; renewed Dec. 3, 1938.

Society Maid Hosiery Mills, Inc., New York, N. Y. Stockings. 374,410; Jan. 9; Serial No. 421,865; published Oct. 17, 1939. Class 39.

Staatliche Porzellan-Manufactur Berlin, Berlin, Germany. Moldable fireproof material. 374,370; Jan. 9; Serial No. 419,983; published Oct. 24, 1939. Class 12.

Standard Brands Incorporated, New York, N. Y. Tea. 374,483; Jan. 9; Serial No. 423,146; published Oct. 31, 1939. Class 46.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Liquid hydrocarbon polymers of lubricating oil type. 374,498; Jan. 9; Serial No. 423,475; published Oct. 31, 1939. Class 15.

Standard Silica Corporation, Ottawa, Ill. Sand and silica sand. 374,364; Jan. 9; Serial No. 419,456; published Oct. 31, 1939. Class 1.

Steele-Wedeles Company, Chicago, Ill. Household cleanser. 374,474; Jan. 9; Serial No. 422,915; published Oct. 31, 1939. Class 4.

Steelwood Manufacturing Company, Detroit, Mich. Children's chairs. 374,530; Jan. 9. Class 32.

Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats and suits. 374,435; Jan. 9; Serial No. 422,263; published Oct. 24, 1939. Class 39.

Stewart, Francis S., Southgate, Calif. Cement sheet. 374,454; Jan. 9; Serial No. 422,604; published Oct. 24, 1939. Class 12.

Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Assembled radio receiving sets and parts thereof. 374,497; Jan. 9; Serial No. 423,402; published Oct. 31, 1939. Class 21.

Stylecraft-Brown Corp., New York, N. Y. Slips and petticoats. 374,423; Jan. 9; Serial No. 422,077; published Oct. 10, 1939. Class 39.

Suhler Waffenwerk Gebrüder Merkel, Suhl, Thuringia, Germany. Shotguns and rifles. 374,387; Jan. 9; Serial No. 421,012; published Oct. 31, 1939. Class 9.

Suico Sales Corporation, New York, N. Y. Brake linings. 374,514; Jan. 9. Class 35.

Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Functional sportswear. 374,436; Jan. 9; Serial No. 422,264; published Oct. 24, 1939. Class 39.

Swift and Company, Chicago, Ill. Feed. 374,440; Jan. 9; Serial No. 422,421; published Oct. 31, 1939. Class 46.

Takaki, Lily Y., Honolulu, Hawaii. Medicinal preparation. 374,524; Jan. 9. Class 6.

Toledo Rex Spray Co., The, assignors to Rex Research Corporation, Toledo, Ohio. Fungicides and horticultural insecticides. 127,794; renewed Dec. 2, 1939.

Trans-American Specialties, Inc., New York, N. Y. Combined walking stick and seat devices. 374,355; Jan. 9; Serial No. 418,176; published Oct. 10, 1939. Class 41.

Tret-O-Lite Company, The, Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Chemical compounds and preparations for use in well-drilling operations. 374,515; Jan. 9. Class 6.

Trojan Hosiery Mills, Incorporated, Indianapolis, Ind. Hosiery. 374,405; Jan. 9; Serial No. 421,751; published Oct. 24, 1939. Class 39.

Turner-Pfister Chemical Corporation, Ridgefield, N. J. Chemical compounds in the nature of liquid waterproofing preparations, etc. 374,441; Jan. 9; Serial No. 422,425; published Oct. 31, 1939. Class 12.

Turner, William G., Brooklyn, N. Y. Tooth-filling. 130,951; renewed May 4, 1940.

Union Knitting Mills, Inc., Schuylkill Haven, Pa. Underwear, boys' outer suits, children's bloomers, etc. 374,419; Jan. 9; Serial No. 422,027; published Oct. 17, 1939. Class 39.

Van Pelt & Brown, Inc., Richmond, Va. Urinary antiseptic. 374,540; Jan. 9. Class 6.

Van Raalte Company, Inc., New York, N. Y. Underwear. 374,450; Jan. 9; Serial No. 422,529; published Oct. 10, 1939. Class 39.

Vasenolwerke Dr. Arthur Kopp Kommanditgesellschaft, Leipsig, Germany. Bandages and bandaging material for wounds. 374,467; Jan. 9; Serial No. 422,876; published Oct. 31, 1939. Class 44.

Victor Machinery Exchange, Inc., New York, N. Y. Metal twist drills, milling cutters and saws. 374,362; Jan. 9; Serial No. 419,246; published Oct. 31, 1939. Class 23.

Walnut Export Sales Co., Inc., Dover, Del., and New York, N. Y., to Walnut Export Sales Co. Inc., Kansas City, Kans. Lumber. 131,928; renewed May 25, 1940.

Watson Company, The, Attleboro, Mass. Novelties, flatware, and hollow ware composed wholly or in part of silver. 374,492–3; Jan. 9; Serial Nos. 423,345–6; published Oct. 24, 1939. Class 28.

Wayne Knitting Mills, The, Fort Wayne, Ind. Stockings. 374,373; Jan. 9; Serial No. 420,124; published Oct. 17, 1939. Class 39.

Weil Packing Company, Evansville, Ind. Meats and meat products. 374,372; Jan. 9; Serial No. 420,080; published Oct. 31, 1939. Class 46.

Wentworth Manufacturing Company, Fall River, Mass. Dresses. 374,451; Jan. 9; Serial No. 422,531; published Oct. 10, 1939. Class 39.

Westmoreland Garment Corporation, Norvelt, Pa. Trousers and breeches. 374,359; Jan. 9; Serial No. 419,060; published Oct. 10, 1939. Class 39.

Williams, Frank B., assignor to I. B. Williams and Sons, Dover, N. H. Flat oak-tanned leather belting and cut lace-leather. 125,714; renewed June 3, 1939.

Wilson, C. Wilson, doing business as L. K. Mallinckrodt, Baltimore, Md. Toilet paper and facial tissue. 374,477; Jan. 9; Serial No. 422,969; published Oct. 31, 1939. Class 37.

Witesoda Co., Columbia, Mo. Carbonated lemon soda and a concentrated lemon flavoring sirup. 374,430; Jan. 9; Serial No. 422,189; published Oct. 31, 1939. Class 45.

Wolff Brothers, to Wolff Bros. Milling Co., Paterson, N. J., successor. Breakfast cereal foods and buckwheat-flour. 131,272; renewed May 4, 1940.

Wright's Underwear Company, Inc., New York, N. Y. Underwear, hosiery, shirts, etc. 374,384; Jan. 9; Serial No. 420,656; published Oct. 24, 1939. Class 39.

Y. & B. Hosiery Mills, Reading, Pa. Hosiery. 374,499; Jan. 9; Serial No. 423,518; published Oct. 31, 1939. Class 39.

Zieve, Rimal, Minneapolis, Minn. Fruit and vegetable compound for flavoring soft drinks. 127,802; renewed Dec. 2, 1939.

Zimmerman, Charles E., Chicago, Ill. Cosmetic applicators. 374,397; Jan. 9; Serial No. 421,498; published Oct. 31, 1939. Class 29.

LIST OF REGISTRANTS OF LABELS

Celestin, Ltd., San Francisco, Calif. Panay. For Rum. 54,127; Jan. 9.

Crown Cork & Seal Company, Inc., Baltimore, Md. To Open Admit Air by Prying Under Edge with End of Spoon Handle. For Crown Caps. 54,128; Jan. 9.

Iodocholeate Products Corporation, Newark, N. J. Iodocholate Dr. Goedrich's Iodocholeate. For an Iodine Compound. 54,129; Jan. 9.

Neumann, Morton G., doing business as Valmor Product Company, Chicago, Ill. Happy-Go-Lucky Hair Dressing. For Hair Dressings. 54,130; Jan. 9.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Velva. For Syrup. 54,131; Jan. 9.

Pollock Paper & Box Company, Dallas, Tex. New State Speed-E-Freeze Ice Cream Stock Design P. F. F. 257–2. For Ice Cream. 54,132; Jan. 9.

Pollock Paper & Box Company, Dallas, Tex. Penguin Pack Ice Cream Stock Design P. F. F. 260–1. For Ice Cream. 54,133; Jan. 9.

Pollock Paper & Box Company, Dallas, Tex. Perfection Ice Cream Stock Design P. F. F. 256–2. For Ice Cream. 54,134; Jan. 9.

Pollock Paper & Box Company, Dallas, Tex. Perfection Ice Cream Stock Design P. F. F. 259–2. For Ice Cream. 54,135; Jan. 9.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Schlitz—The Beer that made Milwaukee Famous. For Beer. 54,136; Jan. 9.

Southern Liquor Distributors, Inc., Jacksonville, Fla. Three Sisters. For California Sherry Wine. 54,137; Jan. 9.

Stanton Brewery, Inc., The, Troy, N. Y. Stanton. For Porter. 54,138; Jan. 9.

Stanton Brewery, Inc., The, Troy, N. Y. Salvator. For Beer. 54,139; Jan. 9.

Valmor Product Company. (See Neumann, Morton G.)

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Why Not Get 20° Sweeter Inside? For Candy. 17,797; Jan. 9.

Contempo Men's Wear Guild, Inc., New York, N. Y. Contempo Valet. For Men's Clothing. 17,798; Jan. 9.

Downs Carpet Co., Inc., Philadelphia, Pa. Saruk Design. For Carpeting. 17,799; Jan. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Peat moss. East Asiatic Co. 374,349; Jan. 9; Serial No. 415,768; published June 6, 1939.

Sand and silica sand. Standard Silica Corporation. 374,364; Jan. 9; Serial No. 419,456; published Oct. 31, 1939.

Seed corn. A. F. Crow. 374,351; Jan. 9; Serial No. 417,643; published Oct. 31, 1939.

CLASS 3

Brief case. Boyle Leather Goods Co. Inc. 374,544; Jan. 9.

Cases, Cosmetic and make-up. J. Neumann. 374,539; Jan. 9.

CLASS 4

Abrasive wheels or disks. Gardner Machine Company. 374,464–5; Jan. 9; Serial Nos. 422,816–17; published Oct. 31, 1939.

Abrasives. American Abrasive Company. 130,603; renewed May 4, 1940.
Cleanser, Household. Steele-Wedeles Company. 374,474; Jan. 9; Serial No. 422,915; published Oct. 31, 1939.
Cleansing preparation. C. J. Herrett. 374,495; Jan. 9; Serial No. 423,381; published Oct. 31, 1939.
Glass cleaning preparation. J. G. Jones. 374,444; Jan. 9; Serial No. 422,476; published Oct. 31, 1939.
Polishing cloths, Chemically treated. Notions, Inc. 374,427; Jan. 9; Serial No. 422,147; published Oct. 31, 1939.
Polishing-wheels, Felt. Eastern Felt Company. 131,900; renewed May 25, 1940.
Rods and metal alloys, Welding. American Brake Shoe and Foundry Company. 374,363; Jan. 9; Serial No. 419,247; published Oct. 31, 1939.
Soaps, cleaning, scouring, and polishing wads, pads, rolls, and cloths of abradant nature. Brillo Manufacturing Company. 374,488–9; Jan. 9; Serial Nos. 423,290–1; published Oct. 31. 1939.

CLASS 6

Antiseptic, Urinary. Van Pelt & Brown, Inc. 374,540; Jan. 9.
Carbon, Activated. Carbide and Carbon Chemicals Corporation. 374,535; Jan. 9.
Chemical compounds and preparations for use in well-drilling operations. Tret-O-Lite Company. 374,515; Jan. 9.
Compounds for removing deposits from automobile-radiators etc., and antifreezing compounds. Northwestern Chemical Co. 129,813; renewed Mar. 9, 1940.
Fungicides and horticultural insecticides. Toledo Rex Spray Co. 127,794; renewed Dec. 2, 1939.
Liniment. C. W. Lowe. 374,527; Jan. 9.
Material adapted for the production of face creams and similar creams, Base. Bopf-Whittam Corporation. 374,516; Jan. 9.
Medicinal preparation. L. Y. Takaki. 374,524; Jan. 9.
Perfume. El Morocco Corporation. 374,528; Jan. 9.
Pharmaceutical preparations. Daily Vitamins, Inc. 374,508; Jan. 9.
Pomade or dressing for hair. Ozonized Ox Marrow Co. 374,531; Jan. 9.
Preparation for removing adhesive from the body. J. H. Schmitz. 374,534; Jan. 9.
Preparation used in the treatment of the blood. Enrich Products Co. 374,519; Jan. 9.
Shampoo. B & S Laboratories. 374,518; Jan. 9.
Shampoo to be used on dogs. Aldox Research Corporation. 374,536; Jan. 9.
Solution for killing fleas, Liquid. B. L. Hechter. 374,525; Jan. 9.
Starch. H. Kohnstamm & Co. 131,522; renewed May 18, 1940.
Tooth paste. Fred Meyer, Inc. 374,510; Jan. 9.

CLASS 9

Pistols, rifles, guns, etc. Auto-Ordnance Corporation. 128,002; renewed Dec. 23, 1939.
Shotguns and rifles. Suhler Waffenwerk Gebrüder Merkel. 374,387; Jan. 9; Serial No. 421,012; published Oct. 31, 1939.

CLASS 12

Apparatus for installation in building structures and to be used in the collection and disposal of garbage. L. D. Pender. 374,375; Jan. 9; Serial No. 420,236; published Oct. 24, 1939.
Armor adapted for use in bridge decking, loading platforms, etc. William F. Klemp Company. 374,471; Jan. 9; Serial No. 422,901; published Oct. 31, 1939.
Asphalt or coal-tar materials, Plastic. Sherwin-Williams Co. 374,429; Jan. 9; Serial No. 422,182; published Oct. 31, 1939.
Bricks, plastics, and cements, Refractory. E. J. Lavino and Company. 374,504; Jan. 9; Serial No. 423,888; published Oct. 31, 1939.
Building cement. Ash Grove Lime & Portland Cement Company. 374,335; Jan. 9; Serial No. 393,685; published Feb. 15, 1938.
Cement sheet. F. S. Stewart. 374,454; Jan. 9; Serial No. 422,604; published Oct. 24, 1939.
Chemical compounds in the nature of liquid waterproofing preparations, etc. Turner-Pfister Chemical Corporation. 374,441; Jan. 9; Serial No. 422,425; published Oct. 31, 1939.
Fireproof material, Moldable. Staatliche Porzellan-Manufaktur Berlin. 374,370; Jan. 9; Serial No. 419,983; published Oct. 24, 1939.
Lumber. Walnut Export Sales Co. 131,928; renewed May 25, 1940.
Molding powder, Wood plastic. Reichhold Chemicals Inc. 374,377; Jan. 9; Serial No. 420,338; published Oct. 24, 1939.
Shutters, Metal. Pioneer Manufacturing Company. 374,385; Jan. 9; Serial No. 420,689; published Oct. 24, 1939.
Window sash, Metal. Seal-O-Sash Company. 374,380; Jan. 9; Serial No. 420,441; published Oct. 24, 1939.

CLASS 13

Fountains and parts thereof, Drinking. Eastern Fountain Co. 130,708; renewed May 4, 1940.
Screen wire cloth. Pennsylvania Woven Wire Company. 374,517; Jan. 9.
Utensils, Cooking. Griswold Manufacturing Company. 130,740; renewed May 4, 1940.
Wire netting. John A. Roebling's Sons Company. 374,409; Jan. 9; Serial No. 421,862; published Oct. 31, 1939.

CLASS 14

Castings, Iron alloy. Little Brothers Foundry Company. 374,457; Jan. 9; Serial No. 422,670; published Oct. 31, 1939.
Metals and alloys; raw castings; etc., Base. Karl Schmidt G. m. b. H. 374,344; Jan. 9; Serial No. 412,232; published Oct. 31, 1939.
Steel. Cleveland Twist Drill Company. 374,452; Jan. 9; Serial No. 422,564; published Oct. 31, 1939.
Wire, sheets, and rods, Ferrous metal. American Chain & Cable Company. 374,494; Jan. 9; Serial No. 423,365; published Oct. 31, 1939.

CLASS 15

Oils and greases, lubricating oil compounds, etc., Lubricating. Lubri-Zol Corporation. 374,426; Jan. 9; Serial No. 422,138; published Oct. 24, 1939.
Polymers of lubricating oil type, Liquid hydrocarbon. Standard Oil Company of California. 374,498; Jan. 9; Serial No. 423,475; published Oct. 31, 1939.

CLASS 16

Turpentine. American Turpentine Farmers Association Co-Operative. 374,455; Jan. 9; Serial No. 422,648; published Oct. 31, 1939.

CLASS 17

Cigars. A. Sessenbrenner Sons. 374,461; Jan. 9; Serial No. 422,787; published Oct. 31, 1939.
Cigars. A. Sessenbrenner Sons. 374,462; Jan. 9; Serial No. 422,793; published Oct. 31, 1939.
Tobacco, Smoking. Hudson County Tobacco Company. 374,449; Jan. 9; Serial No. 422,511; published Oct. 31, 1939.
Tobacco, Smoking. Fred Meyer, Inc. 374,511; Jan. 9.
Tobacco, Smoking. A. R. Safford. 374,343; Jan. 9; Serial No. 411,712; published Oct. 31, 1939.

CLASS 19

Bicycles. Colson Corporation. 374,512; Jan. 9.
Covers for automobile seats and seat backs. Goodyear Tire & Rubber Company. 374,365; Jan. 9; Serial No. 419,479; published July 18, 1939.

CLASS 21

Lamps for motion picture projectors, Electric arc. J. E. McAuley Mfg. Co. 374,533; Jan. 9.
Lighting and wiring fixtures, Electric. Harvey Hubbell, Incorporated. 130,746; renewed May 4, 1940.
Radio receiving sets and parts thereof and electrical appliances and equipment. Electrical Research Laboratories. 374,479; Jan. 9; Serial No. 422,990; published Oct. 31, 1939.
Radio receiving sets and parts thereof, Assembled. Stromberg-Carlson Telephone Mfg. Co. 374,497; Jan. 9; Serial No. 423,402; published Oct. 31, 1939.

CLASS 22

Dolls. Lenart Import, Ltd. 374,505; Jan. 9.
Golf clubs and golf club parts. B. C. Leather Co. Ltd. 374,537; Jan. 9.

CLASS 23

Cutlery. Dwight Divine & Sons. 130,706; renewed May 4, 1940.
Dishwasher. J. G. Donaldson. 374,507; Jan. 9.
Drills, milling cutters and saws, Metal twist. Victor Machinery Exchange, Inc. 374,362; Jan. 9; Serial No. 419,246; published Oct. 31, 1939.
Engines, complete industrial power units, etc., Internal combustion. Continental Motors Corporation. 374,486; Jan. 9; Serial No. 423,208; published Oct. 31, 1939.
Machinery and parts thereof. Farrel Foundry & Machine Company. 131,749; renewed May 25, 1940.
Shavers, and shearing heads and casings for dry shavers, Dry. Schick Dry Shaver, Inc. 374,496; Jan. 9; Serial No. 423,398; published Oct. 31, 1939.

CLASS 26

Computing machines. Remington Rand Inc. 374,487; Jan. 9; Serial No. 423,230; published Oct. 31, 1939.
Milk and cream testers, Electric. Imperial Electrical Co. 131,498; renewed May 18, 1940.
Photographic and developing papers. Haloid Company. 131,480; renewed May 18, 1940.
Thermometers. Accuracy Scientific Instrument Company. 374,541; Jan. 9.

CLASS 27

Watches and watch movements. Benjamin & Edward J. Gross Co. 374,532; Jan. 9.

CLASS 28

Flat-ware and table-ware, Silver plated. International Silver Company. 374,345; Jan. 9; Serial No. 412,892; published Dec. 27, 1938.
Novelties, flatware, and hollowware composed wholly or in part of silver. Watson Company. 374,492–3; Jan. 9; Serial Nos. 423,345–6; published Oct. 24, 1939.

CLASS 29

Applicator. M. A. Schneider. 374,391; Jan. 9; Serial No. 421,296; published Oct. 31, 1939.
Applicators, Cosmetic. C. E. Zimmerman. 374,397; Jan. 9; Serial No. 421,498; published Oct. 31, 1939.
Toothbrushes. F. J. Kos. 374,509; Jan. 9.

CLASS 32

Chairs, Children's. Steelwood Manufacturing Company. 374,530; Jan. 9.
Furniture. American Fixture and Mfg. Co. 374,520; Jan. 9.

CLASS 34

Blowers. Meyer Furnace Company. 374,543; Jan. 9.
Burners; boiler-burner units; etc., Oil. Heil Co. 374,522; Jan. 9.
Heating and forced draft ventilating units. Ford Motor Company. 374,336; Jan. 9; Serial No. 401,478; published Aug. 2, 1938.
Ovens, Industrial. Foundry Equipment Company. 374,506; Jan. 9.
Stokers and parts thereof, Coal. Domestic Stoker Company. 374,361; Jan. 9; Serial No. 419,185; published Oct. 31, 1939.

CLASS 35

Belting and cut lace-leather, Flat oak-tanned. F. B. Williams. 125,714; renewed June 3, 1939.
Brake linings. Suico Sales Corporation. 374,514; Jan. 9.
Tubes for pneumatic tire casings, Inner. Firestone Tire & Rubber Company. 374,523; Jan. 9.

CLASS 36

Flutes, piccolos, clarinets, etc. Cundy-Bettoney Company. 374,538; Jan. 9.
Pitch-pipes. National Musical String Company. 131,806; renewed May 25, 1940.

CLASS 37

Paper and facial tissue, Toilet. W. C. Wilson. 374,477; Jan. 9; Serial No. 422,969; published Oct. 31, 1939.
Pens, mechanical pencils, and desk sets, Fountain. Parker Pen Company. 374,445–6; Jan. 9; Serial Nos. 422,483–4; published Oct. 31, 1939.
Stencil products, equipment and parts therefor, Duplicating. A. A. Heath. 374,357; Jan. 9; Serial No. 418,482; published Oct. 31, 1939.

CLASS 38

Books, circulars, advertising matter, etc. A. B. Collins. 374,463; Jan. 9; Serial No. 422,806; published Oct. 24, 1939.
Books (or booklets). Retailers Commercial Agency, Inc. 374,334; Jan. 9; Serial No. 385,108; published Oct. 24,1939.
Books, Series of. McLoughlin Bros., Inc. 374,413; Jan. 9; Serial No. 421,889; published Oct. 24, 1939.
Cartoons. R. B. Hollingsworth. 374,394; Jan. 9; Serial No. 421,382; published Oct. 24, 1939.
Cartoons, Newspaper. Publishers Syndicate. 374,360; Jan. 9; Serial No. 419,123; published Oct. 31, 1939.
Magazine. Macfadden Publications, Inc. 374,382; Jan. 9; Serial No. 420,492; published Oct. 31, 1939.
Magazine. M. Sekuler. 374,388; Jan. 9; Serial No. 421,057; published Oct. 24, 1939.
Magazine, Dental. Coe Laboratories, Inc. 374,399; Jan. 9; Serial No. 421,640; published Oct. 24, 1939.
Periodical. Farrell Publishing Corporation. 374,468; Jan. 9; Serial No. 422,881; published Oct. 24, 1939.
Publication. Carter H. Harrison & Company. 374,424; Jan. 9; Serial No. 422,084; published Oct. 31, 1939.
Publication. S. B. Lloyd, Jr. 374,371; Jan. 9; Serial No. 420,071; published Oct. 31, 1939.
Publication. F. T. Martocci. 374,490; Jan. 9; Serial No. 423,308; published Oct. 24, 1939.
Publication, Periodical. I. J. Birnbaum. 374,374; Jan. 9; Serial No. 420,205; published Oct. 24, 1939.
Schedules, Time. C. B. Guthrie Tariff Bureau, Inc. 374,350; Jan. 9; Serial No. 416,808; published Oct. 24, 1939.
Section of a periodical publication. Chicago Daily News, Inc. 374,442; Jan. 9; Serial No. 422,460; published Oct. 31, 1939.

CLASS 39

Clothes, snow pants, snowsuits, etc., Ski. Kenilworth Mfg. Co. 374,407; Jan. 9; Serial No. 421,779; published Oct. 31, 1939.
Coats and coats and suits trimmed with fur, Fur. Etkin-Banner Co. 374,392; Jan. 9; Serial No. 421,342; published Oct. 17, 1939.
Coats and suits, Ladies'. Bradshaw & Kraitzer. 374,469; Jan. 9; Serial No. 422,890; published Oct. 17, 1939.
Coats, Infants', girls', boys', and misses'. Marilyn Infants Wear Co. 374,421; Jan. 9; Serial No. 422,062; published Oct. 17, 1939.
Coats, suits, and coat and suit ensembles, Women's and misses'. Julius Nelson Corp. 374,422; Jan. 9; Serial No. 422,067; published Oct. 10, 1939.
Coats, suits, and combinations thereof. Kolbert-Lieberman, Inc. 374,420; Jan. 9; Serial No. 422,058; published Oct. 10, 1939.
Coats, suits, and dresses, Women's. Chicago Mail Order Company. 374,470; Jan. 9; Serial No. 422,893; published Oct. 24, 1939.
Coats, suits, Ladies' and misses'. Joseph Stein Coats, Inc. 374,435; Jan. 9; Serial No. 422,263; published Oct. 24, 1939.
Coats, suits, skirts, etc. Boston Maid. 374,381; Jan. 9; Serial No. 420,472; published Oct. 10, 1939.
Coats, vests, pants, etc. Cohen, Goldman & Co. 374,395; Jan. 9; Serial No. 421,419; published Oct. 24, 1939.
Creepers and two-piece suits, and overalls, Boys' and girls'. G. H. & E. Freydberg, Inc. 374,386; Jan. 9; Serial No. 420,812; published Oct. 31, 1939.
Dresses. Biberman Bros. Inc. 374,447; Jan. 9; Serial No. 422,503; published Oct. 10, 1939.
Dresses. Wentworth Manufacturing Company. 374,451; Jan. 9; Serial No. 422,531; published Oct. 10, 1939.
Dresses and coats. Chicago Mail Order Company. 374,383; Jan. 9; Serial No. 420,514; published Oct. 17, 1939.
Dresses, Maternity. J. Rothstein. 374,491; Jan. 9; Serial No. 423,341; published Oct. 31, 1939.
Dresses, play suits, outer skirts, etc. S. Augstein & Co. 374,418; Jan. 9; Serial No. 421,988; published Oct. 17, 1939.
Frocks, dresses, hostess coats, etc., Wash. Ogden-Utah Knitting Company. 374,458; Jan. 9; Serial No. 422,713; published Oct. 17, 1939.
Garments. Fairy Silk Mills. 374,346; Jan. 9; Serial No. 413,008; published Oct. 24, 1939.
Hosiery. Holeproof Hosiery Co. 374,412; Jan. 9; Serial No. 421,879; published Oct. 24, 1939.
Hosiery. Interwoven Stocking Company. 374,378; Jan. 9; Serial No. 420,375; published Aug. 15, 1939.
Hosiery. S. S. Kresge. 374,347; Jan. 9; Serial No. 413,678; published Mar. 28, 1939.
Hosiery. Phoenix Hosiery Company. 374,503; Jan. 9; Serial No. 423,619; published Oct. 31, 1939.
Hosiery. Richmond Hosiery Mills. 374,338; Jan. 9; Serial No. 405,092; published Oct. 31, 1939.
Hosiery, Trojan Hosiery Mills, Incorporated. 374,405; Jan. 9; Serial No. 421,751; published Oct. 24, 1939.
Hosiery. Y. & B. Hosiery Mills. 374,490; Jan. 9; Serial No. 423,518; published Oct. 31, 1939.
Hosiery for women. Wells Cooper & Company. 374,437; Jan. 9; Serial No. 422,274; published Oct. 24, 1939.
Hosiery, gowns, slips, etc. Levy's Ladies Toggery, Inc. 374,358; Jan. 9; Serial No. 419,027; published Oct. 24, 1939.
Hosiery, housecoats and lingerie, etc. Cardinal Hosiery Co. Inc. 374,368; Jan. 9; Serial No. 419,847; published Oct. 10, 1939.
Hosiery, Ladies'. Neajon Hosiery Company. 374,513; Jan. 9.
Hosiery, Silk. National Silk Hosiery Mills, Inc. 374,431; Jan. 9; Serial No. 422,216; published Oct. 17, 1939.
Hosiery, Women's genuine crepe. Frederick Loeser & Co. 374,414; Jan. 9; Serial No. 421,940; published Oct. 17, 1939.
Jackets and suits, slacks, etc., Sport. Currick & Leiken Co. Inc. 374,485; Jan. 9; Serial No. 423,165; published Oct. 31, 1939.
Overcoats and topcoats. H. Daroff & Sons, Inc. 374,480; Jan. 9; Serial No. 423,086; published Oct. 31, 1939.
Overcoats, topcoats, and suits. Eagle Clothes. 374,393; Jan. 9; Serial No. 421,377; published Oct. 10, 1939.
Overcoats, topcoats, and suits. Eagle Clothes. 374,475; Jan. 9; Serial No. 422,928; published Oct. 17, 1939.
Overcoats, top coats, sport suits, etc. Grieco Bros., Inc. 374,379; Jan. 9; Serial No. 420,409; published Oct. 31, 1939.
Pajamas. Kaylon, Inc. 374,417; Jan. 9; Serial No. 421,972; published Oct. 10, 1939.
Panties and women's undies. Laskin Brothers, Inc. 374,482; Jan. 9; Serial No. 423,100; published Oct. 17, 1939.
Panties, vests, bloomers, etc. Alpha Mills, Inc. 374,341; Jan. 9; Serial No. 408,984; published Nov. 8, 1938.
Shirts and underwear. Cluett, Peabody & Co. 374,398; Jan. 9; Serial No. 421,564; published Oct. 10, 1939.
Shirts and underwear, Sport. Celanese Corporation of America. 374,396; Jan. 9; Serial No. 421,450; published Oct. 17, 1939.
Shirts, pajamas, and sport shirts. Enro Shirt Company. 374,459; Jan. 9; Serial No. 422,738; published Oct. 31, 1939.
Shirts with collars attached, Man's negligee. Essley Shirt Company. 374,460; Jan. 9; Serial No. 422,739; published Oct. 31, 1939.

Shoes. Wm. Hahn & Co. 374,367; Jan. 9; Serial No. 419,803; published Aug. 8, 1939.
Shoes and slippers, Ladies' and misses'. Gregory & Read Co. 374,456; Jan. 9; Serial No. 422,669; published Oct. 24, 1939.
Skirts and jackets. M. Schneider. 374,415; Jan. 9; Serial No. 421,947; published Oct. 24, 1939.
Skirts, jackets, blouses, etc. M. Sloat. 374,400; Jan. 9; Serial No. 421,674; published Oct. 17, 1939.
Slips and petticoats. Stylecraft-Brown Corp. 374,423; Jan. 9; Serial No. 422,077; published Oct. 10, 1939.
Slips, panties, pajamas, etc. Lady Ester Lingerie Corporation. 374,472; Jan. 9; Serial No. 422,902; published Oct. 24, 1939.
Socks and stockings. Kramer Brothers. 374,432; Jan. 9; Serial No. 422,251; published Oct. 10, 1939.
Sportswear, Functional. Sweet-Orr & Co. 374,436; Jan. 9; Serial No. 422,264; published Oct. 24, 1939.
Stockings. Society Maid Hosiery Mills, Inc. 374,410; Jan. 9; Serial No. 421,865; published Oct. 17, 1939.
Stockings. Wayne Knitting Mills. 374,373; Jan. 9; Serial No. 420,124; published Oct. 17, 1939.
Suits and boys' suits, sun-suits, etc., Baby boy. Becker & Peck Incorporated. 374,356; Jan. 9; Serial No. 418,403; published Oct. 31, 1939.
Suits and overcoats. Royal Diamond and Watch Company. 374,428; Jan. 9; Serial No. 422,153; published Oct. 24, 1939.
Suits and trousers. H. Daroff & Sons, Inc. 374,401; Jan. 9; Serial No. 421,696; published Oct. 17, 1939.
Suits, coats, vests, etc. Baker Clothes, Inc. 374,453; Jan. 9; Serial No. 422,568; published Oct. 10, 1939.
Suits, coats, vests, etc. S. Makransky & Sons. 374,408; Jan. 9; Serial No. 421,782; published Oct. 10, 1939.
Suits, overcoats, and topcoats. Dreisen, Meyer & Oronsky Inc. 374,339; Jan. 9; Serial No. 406,283; published Sept. 19, 1939.
Suits, top-coats, overcoats, etc. Meyers-Seeman Company. 374,438; Jan. 9; Serial No. 422,294; published Oct. 10, 1939.
Sweaters. Glasgo Limited. 374,443; Jan. 9; Serial No. 422,472; published Oct. 10, 1939.
Sweaters, blouses, shirts, etc. Lampl Knitwear Company. 374,348; Jan. 9; Serial No. 415,567; published Oct. 10, 1939.
Trousers and breeches. Westmoreland Garment Corporation. 374,359; Jan. 9; Serial No. 419,060; published Oct. 10, 1939.
Undershirts. Cooper's, Incorporated. 374,402; Jan. 9; Serial No. 421,727; published Oct. 10, 1939.
Underwear. Van Raalte Company. 374,450; Jan. 9; Serial No. 422,529; published Oct. 10, 1939.
Underwear and lingerie. Mitchell Brothers Inc. 374,390; Jan. 9; Serial No. 421,150; published Oct. 17, 1939.
Underwear, boys' outer suits, children's bloomers, etc. Union Knitting Mills, Inc. 374,419; Jan. 9; Serial No. 422,027; published Oct. 17, 1939.
Underwear, hosiery, shirts, etc. Wright's Underwear Company. 374,384; Jan. 9; Serial No. 420,656; published Oct. 24, 1939.
Underwear, Ladies' and children's. Blue Swan Mills Inc. 374,439; Jan. 9; Serial No. 422,354; published Oct. 10, 1939.

CLASS 40

Hair goods. Glemby Company. 374,529; Jan. 9.
Hair pins. H. P. Smith. 123,762; renewed Dec. 3, 1938.

CLASS 41

Stick and seat devices, Combined walking. Trans-American Specialties, Inc. 374,355; Jan. 9; Serial No. 418,176; published Oct. 10, 1939.

CLASS 42

Curtains, Window. Modern Curtain Co. Inc. 374,434; Jan. 9; Serial No. 422,256; published Oct. 31, 1939.

CLASS 43

Threads and yarns. Collins and Aikman Corporation. 374,448; Jan. 9; Serial No. 422,505; published Oct. 10, 1939.
Yarns. M. S. Brown. 374,526; Jan. 9.

CLASS 44

Bandages and bandaging material for wounds. Vasenolwerke Dr. Arthur Kopp Kommanditgesellschaft. 374,467; Jan. 9; Serial No. 422,876; published Oct. 31, 1939.
Dental impressions, Substances for taking. Amalgamated Dental Co. Ltd. 374,406; Jan. 9; Serial No. 421,755; published Oct. 31, 1939.
Equipment adapted for use with hair waving, etc., and treating machines together with such machines and parts thereof. Scientific Waving Co. 374,404; Jan. 9; Serial No. 421,748; published Oct. 31, 1939.
Lamps, Surgical. National Medical-Dental Products Corp. 374,501; Jan. 9; Serial No. 423,608; published Oct. 31, 1939.
Prophylactic rubber articles. S. M. Bez. 374,500; Jan. 9; Serial No. 423,547; published Oct. 31, 1939.
Sanitary pantie. Famise Corporation. 374,389; Jan. 9; Serial No. 421,134; published Oct. 31, 1939.
Supporters, Elastic. Guelph Elastic Hosiery Company Limited. 374,416; Jan. 9; Serial No. 421,969; published Oct. 31, 1939.
Tooth-filling. W. G. Turner. 130,951; renewed May 4, 1940.
Trusses. A. C. Herzberg. 374,502; Jan. 9; Serial No. 423,811; published Oct. 31, 1939.

CLASS 45

Beverages. Schoenhofen Company. 130,572–3; renewed Apr. 27, 1940.
Soda and a concentrated lemon flavoring sirup, Carbonated lemon. Witsoda Co. 374,430; Jan. 9; Serial No. 422,189; published Oct. 31, 1939.

CLASS 46

Bread. Lewis Bakery, Inc. 374,433; Jan. 9; Serial No. 422,252; published Oct. 31, 1939.
Cakes or biscuits. Horowitz Bros. & Margareten. 131,941; renewed June 1, 1940.
Candies, preserves, condiments, etc. Palestine House, Inc. 374,376; Jan. 9; Serial No. 420,260; published Oct. 31, 1939.
Canned and bottled goods. Collins-Dietz-Morris Company. 374,342; Jan. 9; Serial No. 409,119; published Oct. 31, 1939.
Canned fish. French Sardine Co. 374,481; Jan. 9; Serial No. 423,093; published Oct. 31, 1939.
Canned peas. Clyman Canning Company. 374,478; Jan. 9; Serial No. 422,985; published Oct. 31, 1939.
Canned protein meat-like food. Rural Educational Association. 374,352; Jan. 9; Serial No. 417,780; published Oct. 31, 1939.
Canned red peppers, canned pimento sauce, canned green peppers, etc. Pomona Products Co. 131,919; renewed May 25, 1940.
Cereal foods and buckwheat-flour, Breakfast. Wolff Brothers. 131,272; renewed May 4, 1940.
Cereals, Breakfast. Rural Educational Association. 374,353; Jan. 9; Serial No. 417,781; published Oct. 31, 1939.
Coffee. Howard & Casey Co. 127,747; renewed Dec. 2, 1939.
Extract, Flavoring. H. Kohnstamm & Co. 130,780; renewed May 4, 1940.
Feed. Swift and Company. 374,440; Jan. 9; Serial No. 422,421; published Oct. 31, 1939.
Feedstuffs. Corn Products Refining Company. 374,403; Jan. 9; Serial No. 421,728; published Oct. 31, 1939.
Flour, Wheat. Garland Milling Company. 374,476; Jan. 9; Serial No. 422,929; published Oct. 31, 1939.
Food, Fish. Eugene Baehr & Sons. 374,484; Jan. 9; Serial No. 423,156; published Oct. 31, 1939.
Fruits, Fresh citrus. Elderwood Citrus Association. 374,411; Jan. 9; Serial No. 421,876; published Oct. 31, 1939.
Ham, boiled ham, and bacon. Morris & Company. 128,249; renewed Dec. 30, 1939.
Honey, Cuban. A. H. Hoffman. 374,542; Jan. 9.
Marshmallow cream. Durkee-Mower, Inc. 374,337; Jan. 9; Serial No. 404,168; published Apr. 11, 1939.
Meats and meat products. Weil Packing Company. 374,372; Jan. 9; Serial No. 420,080; published Oct. 31, 1939.
Oleomargarine and salad dressing. Shedd Products Company. 374,473; Jan. 9; Serial No. 422,913; published Oct. 31, 1939.
Olive oil. P. Sasso. 374,340; Jan. 9; Serial No. 407,884; published Feb. 14, 1939.
Poultry and eggs, Dressed. L. S. Little. 374,354; Jan. 9; Serial No. 417,968; published Oct. 31, 1939.
Salt. Carey Salt Co. 374,366; Jan. 9; Serial No. 419,792; published Oct. 31, 1939.
Tea. Standard Brands Incorporated. 374,483; Jan. 9; Serial No. 423,146; published Oct. 31, 1939.
Turtle meat and turtle soup, Baked sea. G. O. Frederick. 374,521; Jan. 9.

CLASS 49

Compound for flavoring soft drinks, Fruit and vegetable. R. Zieve. 127,802; renewed Dec. 2, 1939.

CLASS 50

Closures, Bottle. Cowdrey Products Company. 374,425; Jan. 9; Serial No. 422,088; published Oct. 31, 1939.
Display devices in the nature of color charts for wearing apparel. Aberle, Inc. 374,466; Jan. 9; Serial No. 422,847; published Oct. 31, 1939.
Padding and tarpaulin and canvas covers, Woven cotton. Pittsburg Waterproof Company. 126,751; renewed Sept. 30, 1939.
Set consisting of a mug and soap, Combination. Shulton, Inc. 374,369; Jan. 9; Serial No. 419,885; published Oct. 31, 1939.

LIST OF LABELS

Happy-Go-Lucky Hair Dressing. For Hair Dressing. M. G. Neumann. 54,130; Jan. 9.
Iodolate Dr. Goedrich's Iodocholeate. For an Iodine Compound. Iodocholeate Products Corporation. 54,129; Jan. 9.
New State Speed-E-Freeze Ice Cream Stock Design P. F. F. 257–2. For Ice Cream. Pollock Paper & Box Company. 54,132; Jan. 9.
Panay. For Rum. Celestin, Ltd. 54,127; Jan. 9.
Penguin Pack Ice Cream Stock Design P. F. F. 260–1. For Ice Cream. Pollock Paper & Box Company. 54,133; Jan. 9.
Perfection Ice Cream Stock Design P. F. F. 256–2. For Ice Cream. Pollock Paper & Box Company. 54,134; Jan. 9.
Perfection Ice Cream Stock Design P. F. F. 259–2. For Ice Cream. Pollock Paper & Box Company. 54,135; Jan. 9.
Salvator. For Beer. Stanton Brewery, Inc. 54,139; Jan. 9.
Schlitz—The Beer that made Milwaukee Famous. For Beer. Jos. Schlitz Brewing Company. 54,136; Jan. 9.
Stanton. For Porter. Stanton Brewery, Inc. 54,138; Jan. 9.
Three Sisters. For California Sherry Wine. Southern Liquor Distributors, Inc. 54,137; Jan. 9.
To Open admit Air by Prying under Edge with End of Spoon Handle. For Crown Caps. Crown Cork & Seal Company. 54,128; Jan. 9.
Velva. For Syrup. Penick & Ford, Ltd. Incorporated. 54,131; Jan. 9.

LIST OF PRINTS

Contempo Valet. For Men's Clothing. Contempo Men's Wear Guild, Inc. 17,798; Jan. 9.
Saruk Design. For Carpeting. Downs Carpet Co. 17,799; Jan. 9.
Why Not Get 20° Sweeter Inside? For Candy. Awful Fresh MacFarlane. 17,797; Jan. 9.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Deere & Company. (See Johnson, Theodore W., assignor.)

Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydration of olefines. Re. 21,314; Jan. 9.

Gaess, Albert H., Waterbury, Conn. Apparatus for forming metal slugs. Re. 21,315; Jan. 9.

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Hill, Francis A., 2nd, et al. (See Hill, Myron F., assignor.)

Hill, Myron F., Westport, Conn., assignor, by mesne assignments, to F. A. Hill, 2nd, Essex Falls, N. Y., and said M. F. Hill. Tooth curve for rotors and gears. Re. 21,316; Jan. 9.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. Re. 21,317; Jan. 9.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanisms for shaker conveyers. Re. 21,318; Jan. 9.

Socony-Vacuum Oil Company. (See Francis, Alfred W., assignor.)

Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press. Re. 21,319; Jan. 9.

Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)

LIST OF PLANT PATENTEES

Mayhew, Clarence C., assignor to Texas Nursery Company, Sherman, Tex. Red chrysanthemum plant. 352; Jan. 9.

Texas Nursery Company. (See Mayhew, Clarence C., assignor.)

LIST OF DESIGN PATENTEES

Aluminum Cooking Utensil Company, The. (See Towne, Carlton G., assignor.)

Ambrose, John P., Bronx, assignor to Phinney-Walker Co. Inc., New York, N. Y. Pull wind panel clock. 118,466; Jan. 9.

American Fork & Hoe Company. (See Rector, Walter W., assignor.)

Anstice, Josiah, & Company. (See Anstice, Mortimer R., assignor.)

Anstice, Mortimer R., assignor to Josiah Anstice & Company, Inc., Rochester, N. Y. Peeling machine. 118,467; Jan. 9.

Arden Farms, Inc. (See Lewis, Troy D., assignor.)

Armstrong Cork Company. (See Smith, M. M., and Roberts, assignors.)

Arras, George, Chicago, Ill. Reflector. 118,490; Jan. 9.

Bach, Rita, New York, N. Y. Combination wallet and cosmetic container. 118,491; Jan. 9.

Barnes, James F. (See Reinecke, J. O., and Barnes.)

Baumer, Norbert J., assignor to A. Gross Candle Co., Inc., Baltimore, Md. Candle lamp. 118,492; Jan. 9.

Berman, Israel, New York, N. Y. Shoe or similar article. 118,493; Jan. 9.

Brown, Simon P., New York, N. Y. Display rack for piece goods bolts. 118,442; Jan. 9.

Bry, Louis, New York, N. Y. Textile fabric. 118,536; Jan. 9.

Carrington, Ida, New York, N. Y. Dresser or similar article. 118,468; Jan. 9.

Catskill Metal Works, Inc. (See Seaman, Gilbert M., assignor.)

Cincinnati Advertising Products Company, The. (See Frankel, Howard, assignor.)

Cleaver-Brooks Company. (See Stevens, Clifford B., assignor.)

Cloyes, Gladys K., Houston, Tex. Dress. 118,494; Jan. 9.

Corning Glass Works. (See Gardner, Paul V., assignor.)

Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Operating handle for listing machines. 118,469; Jan. 9.

Crowley, Daniel J. (See Punke, John J., assignor.)

Dardess, Richard, Chatham, N. Y. Table radio. 118,495; Jan. 9.

De Hoffmann, Alexander C., New York, N. Y. Motor vehicle bumper guard. 118,496; Jan. 9.

Devine, Harry C., Jr. (See Summerour, M. A., and Devine.)

Drachenberg, Richard, Grosse Pointe, Mich. Combined juice extractor and macerator. 118,470; Jan. 9.

Dyer, Katherine E. (See Fisk, H. E., and Dyer.)

Earl, Paul D., New York, N. Y. Shoe or similar article. 118,471; Jan. 9.

Earnshaw, Walter L., Hollywood, Calif. Seed envelope. 118,497; Jan. 9.

Edelstein, Hyman M., Jersey City, N. J. Slipper. 118,489; Jan. 9.

Erie Plastics Company. (See Pingen, Pierre H., assignor.)

Fink, Arthur C., Rock Township, Jefferson County, Mo. Fore end for guns. 118,498; Jan. 9.

Fisk, Herbert E., and K. E. Dyer, Chicago, Ill. Easel or similar article. 118,443; Jan. 9.

Frankel, Howard, Wyoming, assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Advertising device. 118,444; Jan. 9.

Friedman, Louis E., Brooklyn, N. Y. Slipper. 118,472; Jan. 9.

Friedman, Louis E., Brooklyn, N. Y. Slipper. 118,473; Jan. 9.

Gardner, Paul V., assignor to Corning Glass Works, Corning, N. Y. Saucepan. 118,445; Jan. 9.

Goldberg, Maurice H., Chicago, Ill., assignor to I. J. London, L. London, and B. W. London, Detroit, Mich. Projector. 118,474; Jan. 9.

Greenberg, Morris, Brooklyn, N. Y. Slipper. 118,475; Jan. 9.

Greenberg, Morris, Brooklyn, N. Y. Slipper. 118,476; Jan. 9.

Greig, Martha, New York, N. Y. Holding clip for photographic negatives and prints. 118,477; Jan. 9.

Gross, A., Candle Co. (See Baumer, Norbert J., assignor.)

Hallbauer, Otto. (See Tobler, H., and Hallbauer, assignors.)

Harris, Clarence D., Nampa, Idaho. Fence. 118,446; Jan. 9.

Heinze, Levant M., Prospect Park, Pa. Dart board. 118,447; Jan. 9.

Helma, Elliott H., Los Angeles, Calif. Ice cream dispensing cabinet or similar article. 118,448; Jan. 9.

Herschensohn, Arthur M., New York, N. Y. Curtain hook. 118,478; Jan. 9.

Hirsh, George, New York, N. Y. Dress. 118,531; Jan. 9.

Hubenet, Will W., Detroit, Mich. Cap for dispensing whipped cream or the like. 118,449; Jan. 9.

Industrial Lamp Corp. (See Williams, Oliver H., assignor.)

Kaback, Nathan, New York, N. Y. Dress. 118,537; Jan. 9.

Kashine, Louis L., New York, N. Y. Dress ensemble. 118,538; Jan. 9.

Kleinert, I. B., Rubber Company. (See Selverstone, Agnes S., assignor.)

Kolbrener, Harry, New York, N. Y. Dress. 118,532; Jan. 9.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile vehicle wheel. 118,499; Jan. 9.

Landau, Ralph, New York, N. Y. Combined clock and advertising sign. 118,450; Jan. 9.

Lentheric Incorporated. (See McIntosh, Frank, assignor.)

Levin, David, New York, N. Y. Shoe. 118,479; Jan. 9.

Lewis, Troy D., Glendale, assignor to Arden Farms, Inc., Los Angeles, Calif. Milk bottle. 118,500; Jan. 9.

Lister, James R., Philadelphia, Pa. Woven textile fabric. 118,539; Jan. 9.
London, Burton W., et al. (See Goldberg, Maurice H., assignor.)
London, Isreal J., et al. (See Goldberg, Maurice H., assignor.)
London, Laura, et al. (See Goldberg, Maurice H., assignor.)
Lubben, Henry. (See Wood, Grant, assignor.)
Mahler, Simon, New York, N. Y. Dress. 118,540; Jan. 9.
McGraw Electric Company. (See Reinecke, J. O., and Barnes, assignors.)
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Combined box and base therefor. 118,501; Jan. 9.
Modern Plastics Company. (See Westergaard, Odin A., assignor.)
Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
New Monarch Machine & Stamping Co. (See Shelton, L. A., and Smith, assignors.)
New Monarch Machine & Stamping Co. (See Smith, Russel W., assignor.)
Nielsen, Clayton P., Chicago, Ill. Carbon holder for electric arc welding devices. 118,502; Jan. 9.
Novak, Syd, Chicago, Ill. Dress. 118,505; Jan. 9.
Parriott, Raymond W., Moundsville, W. Va. Steering wheel. 118,503; Jan. 9.
Phinney-Walker Co. Inc. (See Ambrose, John P., assignor.)
Pingen, Pierre H., assignor to Erie Plastics Company, Erie, Pa. Vanity case. 118,480; Jan. 9.
Pingen, Pierre H., assignor to Erie Plastics Company, Erie, Pa. Vanity case. 118,481; Jan. 9.
Preller, Morris, New York, N. Y. Dress. 118,533; Jan. 9.
Punke, John J., Detroit, assignor to D. J. Crowley, Grosse Pointe, Mich. Combined lamp and radio receiving set. 118,504; Jan. 9.
Radford, Bernard, Chicago, Ill. Game board or the like. 118,451; Jan. 9.
Rector, Walter W., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Ax or similar hand tool. 118,482; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Casing side wall for a toaster or the like. 118,452; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Toaster. 118,453; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Carrying handle for waffle baker or the like. 118,506; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Lifting handle for waffle baker or the like. 118,507; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Dish. 118,508; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Dish. 118,509; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Tray. 118,510; Jan. 9.
Reinecke, Jean O., and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Toaster. 118,511; Jan. 9.
Richman, Sol, New York, N. Y. Dress ensemble. 118,541; Jan. 9.
Richman, Sol, New York, N. Y. Dress ensemble. 118,542; Jan. 9.
Roberts, Earla M. (See Smith, M. M., and Roberts, assignors.)
Roberts, Fred L., Ferndale, Mich. Fuel pump light globe. 118,454; Jan. 9.
Romm, Joseph, New York, N. Y. Slipper or similar article. 118,483; Jan. 9.
Salomon, Irving, Michigan City, Ind. Stand. 118,484; Jan. 9.
Salomon, Irving, Michigan City, Ind. Stand. 118,485; Jan. 9.
Seaman, Gilbert M., assignor to Catskill Metal Works, Inc., Catskill, N. Y. Stoker hopper housing. 118,512; Jan. 9.
Seiverstone, Agnes S., Brooklyn, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Textile fabric. 118,513; Jan. 9.
Shelton, Lee A., and R. W. Smith, assignors to New Monarch Machine & Stamping Co., Des Moines, Iowa. Display rack. 118,455; Jan. 9.
Silverman, I. Irving, Chicago, Ill. Bar or similar article. 118,456; Jan. 9.
Smith, Mary M., and E. M. Roberts, assignors to Armstrong Cork Company, Lancaster, Pa. Water bottle or similar article. 118,457; Jan. 9.
Smith, Russel W. (See Shelton, L. A., and Smith, assignors.)
Smith, Russel W., assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa. Display rack for packaged goods. 118,458; Jan. 9.
Sterngold, Jacob M., New York, N. Y. Dress. 118,543; Jan. 9.
Sterngold, Jacob M., New York, N. Y. Dress. 118,544; Jan. 9.
Stevens, Clifford B., assignor to Cleaver-Brooks Company, Milwaukee, Wis. Portable heater. 118,514; Jan. 9.
Summerour & Devine, Inc. (See Summerour, M. A., and Devine, assignors.)
Summerour, Marion A., and H. C. Devine, Jr., assignors to Summerour & Devine, Inc., Kansas City, Mo. Lighting fixture. 118,515; Jan. 9.
Swartz, Abraham, New York, N. Y. Dress. 118,545; Jan. 9.
Tinker, Theodore, Norwalk, Conn., and G. von der Lin, Jackson Heights, N. Y. Combined lamp, radio, and clock. 118,550; Jan. 9.
Tint, Mollie, New York, N. Y. Dress. 118,516; Jan. 9.
Tint, Mollie, New York, N. Y. Dress. 118,517; Jan. 9.
Tint, Mollie, New York, N. Y. Dress. 118,518; Jan. 9.
Tint, Mollie, New York, N. Y. Dress. 118,519; Jan. 9.
Tobler, Hans, and O. Hallbauer, Union City, N. J. Embroidered trimming. 118,459; Jan. 9.
Tobler, Hans, and O. Hallbauer, Union City, N. J. Embroidered trimming. 118,460; Jan. 9.
Tobler, Hans, and O. Hallbauer, Union City, N. J. Embroidered trimming. 118,486; Jan. 9.
Tobler, Hans, and O. Hallbauer, Union City, N. J. Embroidered trimming. 118,487; Jan. 9.
Towne, Carlton G., Swissvale, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Dessert mold or similar article. 118,461; Jan. 9.
Towne, Carlton G., Swissvale, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Dessert mold or similar article. 118,462; Jan. 9.
Trozzi, Thomas, New York, N. Y. Coat. 118,520; Jan. 9.
Tupper, Arthur H., New York, N. Y. Shoe or similar article. 118,521; Jan. 9.
Von der Lin, George. (See Tinker, T., and von der Lin.)
Wasserman, Jack, Lawrence, N. Y. Dress. 118,535; Jan. 9.
Wasserman, Jack, Lawrence, N. Y. Dress. 118,534; Jan. 9.
Weil, Lewis P., Germantown, Pa. Combination supporting frame and flower holder. 118,488; Jan. 9.
Weil, Lewis P., Germantown, Pa. Nursery lamp. 118,522; Jan. 9.
West, Robert W., Miami, Fla. Table. 118,463; Jan. 9.
Westgaard, Odin A., assignor to Modern Plastics Company, Los Angeles, Calif. Drawer pull. 118,464; Jan. 9.
Williams, Oliver H., assignor to Industrial Lamp Corp., Chicago, Ill. Lamp shade. 118,523; Jan. 9.
Wood, Grant, Iowa City, assignor to H. Lubben, Cedar Rapids, Iowa. Chair. 118,465; Jan. 9.
Zelinka, David, New York, N. Y. Coat. 118,524; Jan. 9.
Zimmerman, Samuel, New York, N. Y. Suit. 118,525; Jan. 9.
Zimmerman, Samuel, New York, N. Y. Suit. 118,526; Jan. 9.
Zimmerman, Samuel, New York, N. Y. Suit ensemble. 118,527; Jan. 9.
Zimmerman, Samuel, New York, N. Y. Coat. 118,528; Jan. 9.
Zimmerman, Samuel, New York, N. Y. Suit. 118,546; Jan. 9.
Zuckerman, Harry, New York, N. Y. Coat. 118,529; Jan. 9.
Zuckerman, Harry, New York, N. Y. Coat. 118,530; Jan. 9.
Zuckerman, Harry, New York, N. Y. Coat. 118,547; Jan. 9.
Zuckerman, Harry, New York, N. Y. Coat. 118,548; Jan. 9.
Zuckerman, Harry, New York, N. Y. Coat. 118,549; Jan. 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, John M., Greeley, Colo. Guitar steel. 2,186,399; Jan. 9.
Adam, Frank, Electric Company. (See Adam, F. B., and Stieglitz, assignors.)
Adam, Frederick B., St. Louis County, and H. M. Stieglitz, assignors to Frank Adam Electric Company, St. Louis, Mo. Circuit interrupting and protecting device. 2,186,813; Jan. 9.
Adams, Arthur H., Yonkers, N. Y.; E. R. Adams, executrix of said A. H. Adams, deceased, assignor to H. Epstein, Newark, N. J. Textile fabric manufacture. 2,186,814; Jan. 9.
Adams, Edith R., executrix. (See Adams, Arthur H.)
Addressograph-Multigraph Corporation. (See Curtis, Franklin E., assignor.)
Adjustable Clamp Company. (See Krumbach, Will, assignor.)
Aeberhardt, Hans, Bienne, Switzerland. Watch movement. 2,186,159; Jan. 9.
Agfa Ansco Corporation. (See Eggert, J. and Fröhlich, assignors.)
Agfa Ansco Corporation. (See Fröhlich, A., and Schneider, assignors.)
Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Agfa Ansco Corporation. (See Schneider, W., and Loleit, assignors.)
Agfa Ansco Corporation. (See Schneider, W., and Fröhlich, assignors.)
Agfa Ansco Corporation. (See Wilmanns, G., Kumetat, Fröhlich, Schneider, and Brodersen, assignors.)
Agfa Ansco Corporation. (See Wilmanns, G., and Schneider, assignors.)
Agfa Ansco Corporation. (See Wilmanns, G., Stieglitz, and Fröhlich, assignors.)
Agfa Ansco Corporation. (See Wilmanns, G., Schneider, and Fröhlich, assignors.)
Aiken, Edwin H., El Centro, Calif. Internal combustion engine. 2,186,400; Jan. 9.
Aircraftings Limited. (See Brown, Francis V., assignor.)
Aktiengeselischaft Brown, Boveri & Cie. (See Noack, Walter G., assignor.)
Albert, Hans. (See Schmitt, R., and Albert.)
Albin, Jeremiah W., Babylon, N. Y. Double coil spring fastening device. 2,186,746; Jan. 9.
Albin, Jeremiah W., Babylon, N. Y. Latching device. 2,186,747; Jan. 9.
Albright, Edward A., Berwyn, assignor to Caspers Tin Plate Company, Chicago, Ill. Conveyer structure for ovens. 2,186,566; Jan. 9.
Alderson, Harold B. (See Tremmel, George B., assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Protective system for electric valve translating apparatus. 2,186,815; Jan. 9.
Alframine Corporation. (See Mauersberger, Ernst A., assignor.)
Allan, Edward T., Cincinnati, Ohio. Spool and tube applicable thereto. 2,186,133; Jan. 9.
Allen, Paul E., Niles Center, Ill., assignor to R. D. Krueger, New York, N. Y. Toy wagon assembly. 2,186,188; Jan. 9.
Allen, Walter R. (See Hamilton, William F., assignor.)
Alopaeus, Runar, Helsingfors, Finland. Operating table. 2,186,660; Jan. 9.
Altmayer, Frank. (See Raney, R. M., and Aktmayer.)
Aluminum Plant & Vessel Company Limited, The. (See Seligman, R., and Goodman, assignors.)
American Armanent Corporation. (See Joyce, Bryan P., assignor.)
American Can Company. (See Blair, James S., assignor.)
American Chemical Paint Company. (See Romig, Gerald C., assignor.)
American Colloid Co. (See Bechtner, P., and Hirschmann, assignors.)
American Cyanamid & Chemical Corp. (See Zink, Robert, assignor.)
American Cyanamid Company. (See Crawford, Bruce D., assignor.)
American Machine & Foundry Company. (See Dehuff, Walter F., assignor.)
American-National Company, The. (See Snell, Samuel A., assignor.)
American Radiator & Standard Sanitary Corporation. (See Goerg, Bernard, assignor.)
American Sealcone Corporation. (See Johnson, Ogden, assignor.)
American Ship Building Company, The. (See Williams, Egerton B., assignor.)
Amperex Electronic Products, Inc. (See Senauke, Alexander, assignor.)
Anaconda Wire and Cable Company. (See Olson, John W., assignor.)
Anaconda Wire & Cable Company. (See Wodtke, Hans V., assignor.)
Andersen, Andrew C., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Coach lock. 2,186,058; Jan. 9.
Anderson, Charles M. (See Namur, C. A., and Anderson.)
Anderson, Dwight M., Cleveland Heights, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Ejecting means for thermoplastic molds. 2,186,160; Jan. 9.
Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Latch. 2,186,795; Jan. 9.
Ansbacher, Stefan, Sidney, and G. E. Flanigan and G. C. Supplee, Bainbridge, assignors to The Borden Company, New York, N. Y. Concentration and isolation of water-soluble vitamins. 2,186,314; Jan. 9.
Anton, Ernst. (See Neresheimer, H., Honold, Stein, Schubert, and Anton.)
Appleford Paper Products, Ltd. (See Lawson, Albert R., assignor.)
Aprea, Aniello and E. Williams, Minneapolis, Minn. Adjustable speed limiting device for automobiles. 2,186,620; Jan. 9.
Arbuckle, Samuel F., G. H. Coulter, and C. E. Godley, Highland Park, assignors to United Lens Corporation, Detroit, Mich. Signaling system for automotive vehicles. 2,186,000; Jan. 9.
Arkansas Company. (See Schuttig, Charles L., assignor.)
Arndt, Ellis, et al. (See Hall, Harry G., assignor.)
Arnesen, Walter A. (See Posner, Charles, assignor.)
Arnold, De Witt R., Evanston, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Railway car floor. 2,186,567; Jan. 9.
Aronson, Peter R., Millburn, N. J., assignor to Oxweld Acetylene Company. Mandrel assembly. 2,186,088; Jan. 9.
Art Metal Construction Company. (See Jones, James R., assignor.)
Associated Telephone & Telegraph Company. (See Beale, C. E., and Richards, assignors.)
Associated Telephone & Telegraph Company. (See Wright, Denis, assignor.)
Astin, Allen V. (See Peters, M. F., and Astin.)
Atlantic Rayon Corporation. (See Little, R., Fraim, and Tholl, assignors.)
Atlantic Refining Company, The. (See Griesinger, William K., assignor.)
Auger, Harold, Burnham, and W. E. Pearson, London, England, deceased; N. P. Nicholson, executrix or administratrix. Storage equipment. 2,186,854; Jan. 9.
Aurex Corporation. (See Huth, Walter H., assignor.)
Austin, Bascum O., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,186,227; Jan. 9.
Austin, Dwight E., Orchard Lake, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Sway stabilizer. 2,186,279; Jan. 9.
"Autocalor", Société Anonyme. (See Lavergne, Jean, assignor.)
Automotive Products Company Limited. (See Brown, Francis V., assignor.)
Avis, Samuel W., Providence, R. I., assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 2,186,228; Jan. 9.
B-L Electric Manufacturing Co., The. (See Wein, Samuel, assignor.)
Babcock & Wilcox Company, The. (See Bailey, Ervin G., assignor.)
Baccarini, Frank, Pittsburgh, Pa. Culinary utensil. 2,186,855; Jan. 9.
Bache, George F., Montgomery, N. Y. Four-in-hand necktie. 2,186,568; Jan. 9.
Bachman, Gustave B., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilized polyvinyl acetals. 2,186,598; Jan. 9.
Bacon, Elmer W., assignor to Wilson-Jones Company, Chicago, Ill. Apparatus for attaching fasteners. 2,186,569; Jan. 9.

Baer, Howard, Jersey City, N. J., and M. J. Finnegan, New York, N. Y., assignors Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,186,229; Jan. 9.

Bailey Company Inc., The. (See Best, Reuben D., assignor.)

Bailey, Ervin G., Easton, Pa., assignor to The Babock & Wilcox Company, Newark, N. J. Steam boiler. 2,186,919; Jan. 9.

Baird Machine Company, The. (See Bunnell, Earl C., assignor.)

Baker, Harry R., Chula Vista, assignor to J. C. Miller, Compton, Calif. Watch strap. 2,186,089; Jan. 9.

Baker, Robert D., Birmingham, Mich. Fine-grading machine. 2,186,059; Jan. 9.

Bald, Warren L., Los Angeles, Calif. Hydraulic oil well packer. 2,186,230; Jan. 9.

Baldwin, Charles C., St. Louis, Mo. Razor blade package. 2,186,231; Jan. 9.

Baldwin Company, The. (See Morse, A. H., and Knoblaugh, assignors.)

Ballard, Claude D. (See Moe, Mathias, assignor.)

Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)

Baloun, Kurt, Berlin-Haselhorst, assigner to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,186,315; Jan. 9.

Balster, Albert, Chicago, Ill. Desk. 2,186,316; Jan. 9.

Bangratz, Ernest G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,186,189; Jan. 9.

Barnett, Carleton E., Cambridge, Mass. Wire twisting device. 2,186,090; Jan. 9.

Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Tiltable truck body. 2,186,796; Jan. 9.

Bart, Charles W., Savannah, Ga. Apparatus for destroying mold spores. 2,186,401; Jan. 9.

Bartling, Howard G., Chicago, Ill., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company. Flexible abrasive sheet material. 2,186,001; Jan. 9.

Barton, Harry S. (See Stamm, A. H., and Barton.)

Bastable, Edward H., Clifton, assignor to Shoe Chassis, Inc., Boston, Mass. Attaching heels to shoes. 2,186,470; Jan. 9.

Bastian-Blessing Company, The. (See Hooper, Louis G. and V. L., assignors.)

Bastian-Blessing Company, The. (See Hooper, Virgil I. and L. G., assignors.)

Batchelor, John C., Hastings on Hudson, N. Y. Television reproducer. 2,186,570; Jan. 9.

Batelle Memorial Institute. (See Krause, Daniel E., assignor.)

Bates, Harry. (See Sweeney, J. L., and Bates.)

Bates Laboratories, Inc. (See Sweeney, J. L., and Bates, assignors.)

Batey, Alan and R. W. Coupland, Montreal, Quebec, Canda. Transit gear for airplanes. 2,186,060; Jan. 9.

Battenfeld Grease and Oil Corporation. (See Yagle, Leonard W., assignor.)

Battles, Guy W. (See Harm, Richard S., assignor.)

Baudry, René A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ventilation of totally enclosed dynamo-electric machines. 2,186,232; Jan. 9.

Bauer, Carl, assignor to Missouri Rolling Mill Corporation, St. Louis, Mo. Steel tower. 2,186,190; Jan. 9.

Bayerl, Alfons, Wolfen, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Disintegration of vegetable fibrous materials. 2,186,893; Jan. 9.

Beach, George W., Minneapolis, Minn. Method of and apparatus for dry concentration. 2,186,599; Jan. 9.

Beale, Charles E., and I. T. Richards, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 2,186,317; Jan. 9.

Beale, Evelyn S. L., Chelsea, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Tuned electric circuits. 2,186,571; Jan. 9.

Beattie, John P., Oak Park, assignor to Electric Household Utilities Corporation, Chicago, Ill. Drive mechanism. 2,186,797; Jan. 9.

Bechtner, Paul and W. B. Hirschmann, assignors, by mesne assignments, to American Colloid Co., Chicago, Ill. Clay and mixing it with water. 2,186,661; Jan. 9.

Beck, Urban R., Minneapolis, Minn. Lazy back. 2,186,318; Jan. 9.

Becker, Helmut, H. Broschke, and O. Sänger, assignors to Ernst Leitz G. m. b. H., Wetzlar, Germany. Motion picture camera. 2,186,443; Jan. 9.

Beckwith Manufacturing Company. (See Lovell, Stanley P., assignor.)

Beckwith, Paul, Stroudsburg, Pa. Article carrying device. 2,186,191; Jan. 9.

Beede, Stephen M., Jr., San Anselmo, and J. Kilburg, assignors to Sussman, Wormser & Co., San Francisco, Calif. Fruit processing apparatus. 2,186,471; Jan. 9.

Beggs, Joseph S. (See Leavitt, R. P., and Beggs.)

Behrens, Walter S., Buffalo, N. Y. Sterilizer for dental hand pieces. 2,186,600; Jan. 9.

Bell Telephone Laboratories, Incorporated. (See Halligan, Clair W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Samuel, Arthur L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Spencer, Harry H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Toomey, John F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wintringham, William T., assignor.)

Belzer, Thomas R., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Protective coating for fruits. 2,186,691; Jan. 9.

Bendersky, Sadie, South Orange, N. J. Dress shield. 2,186,002; Jan. 9.

Bendix Radio Corporation. (See Hammond, J. W., and Edwards, assignors.)

Benner, Russell E., New York, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Adjustable razor head. 2,186,091; Jan. 9.

Benner, Russell E., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Rotary cutter. 2,186,092; Jan. 9.

Benner, Russell E., New York, assignor, by mesne assignments to Remington Rand Inc., Buffalo, N. Y. Dry shaving instrument. 2,186,093; Jan. 9.

Benner, Russell E., New York, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Cutter disengaging device. 2,186,094; Jan. 9.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,186,444; Jan. 9.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,186,445; Jan. 9.

Berg, Fridtjof. (See Berg, Richard O., S., and F.)

Berg, Richard O. and S., assignors to Michigan Steel Tube Products Company, Detroit, Mich. Tube cut-off apparatus. 2,186,061; Jan. 9.

Berg, Richard O., S., and F., assignors to Michigan Steel Tube Products Co., Detroit, Mich. Muffler. 2,186,062; Jan. 9.

Berg, Simon. (See Berg, Richard O. and S.)

Berg, Simon. (See Berg, Richard O., S., and F.)

Berger, Arthur, Oberturkheim, assignor to Daimler-Benz Aktiengesellschaft, Stutgart-Unterturkheim, Germany. Hydraulic transmission for automotive purposes. 2,186,748; Jan. 9.

Berger, Emil H. (See Hildebrand, O. G., and Berger.)

Berger, Martin, Dresden-Freital, Germany. Continuously variable friction wheel change speed gear. 2,186,662; Jan. 9.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. 2,186,472; Jan. 9.

Bernier, Adler H., Detroit, Mich. Coaster brake. 2,186,816; Jan. 9.

Bertele, Ludwig. (See Räntsch, K., Bertele, and Merz.)

Bertele, Ludwig, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Lens system. 2,186,621; Jan. 9.

Bertele, Ludwig, assignor to Zeiss Ikon Aktiengesselschaft, Dresden, Germany. Lens system. 2,186,622; Jan. 9.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method of and apparatus for fitting soles. 2,186,161; Jan. 9.

Beseler, Fred C., Shreveport, La. Hanger for signs or other objects. 2,186,280; Jan. 9.

Best, Reuben D., assignor to The Bailey Company Inc., Amesbury, Mass. Carton. 2,186,777; Jan. 9.

Bettis, Wilbur F. (See Johnston, M. O., and Bettis.)

Bigalke, Alfred, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electric protective system. 2,186,473; Jan. 9.

Biggs, Ralph W., & Co. (See Weiner, Morris., assignor.)

Bihaly, Ludwig, London, England, assignor to Trubenizing Process Corporation, New York, N. Y. Collar. 2,186,356; Jan. 9.

Bihaly, Ludwig, London, England, assignor to Trubenizing Process Corporation, New York, N. Y. Interlining fabric. 2,186,357; Jan. 9.

Bilton, Robert A., Royal Oak, Mich. Electrical conductor. 2,186,319; Jan. 9.

Binney & Smith Company, et al. (See Wilsnack, George C., assignor.)

Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Stop mechanism for dispensing devices. 2,186,798; Jan. 9.

Blackburn, George, and Sons Limited. (See Towers, Ernest J., assignor.)

Black-Clawson Company. (See Staege, Stephen A., assignor.)

Blair, James S., Maywood, Ill., assignor to American Can Company, New York, N. Y. Color stabilization of green vegetables. 2,186,003; Jan. 9.

Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Electric switch handle. 2,186,749; Jan. 9.

Blizard, John, Garden City, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace. 2,186,474; Jan. 9.

Blount, Lemey G., Little Rock, Ark. Hat Blocking machine. 2,186,663; Jan. 9.

Boddicker, Floyd L., Ishpeming, Mich., assignor to Hercules Powder Company, Wilmington, Del. Preparing of progressive-burning smokeless powder and product thereof. 2,186,516; Jan. 9.

Boeing Aircraft Company. See Price, Nathan C., assignor.)

Boepple, Hans, Valley Cottage, N. Y. Knit fabric and garment construction. 2,186,572; Jan. 9.

Boker, Vitus A., Minneapolis, Minn. Producing die sets. 2,186,799; Jan. 9.

Boldizzoni, Teobaldo G., New York, N. Y. Garment finishing machine and method. 2,186,192; Jan. 9.

Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor shut-off valve mechanism. 2,186,320; Jan. 9.

Boldt, Werner F., Overland, and S. Schnell, assignors to Wagner Electric Corporation, St. Louis, Mo. Brake actuating cam. 2,186,321; Jan. 9.

Bollinger, Paul, Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combination dust guard and gear case grease seal. 2,186,233; Jan. 9.

Booge, James E., Wilmington, Del., and C. F. Oppermann, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment process. 2,186,095; Jan. 9.

Borden Company, The. (See Ansbacher, S., Flanigan, and Supplee, assignors.)

Borkenstein, William F., Fort Wayne, Ind. Electric outlet fixture and extension cord therefor. 2,186,601; Jan. 9.

Borloz, Charles A. (See Robinson, W. Westemeyer, and Borloz.)

Bosbach, Peter, and E. Keller, Hilden, Rhineland, Germany. Production of rolled and stamped table and kitchen articles. 2,186,602; Jan. 9.

Boulich, Victor R., St. Janvier, Quebec, Canada. Filling machine. 2,186,358; Jan. 9.

Boulton, Arthur, Gwynedd Valley, Pa. Ankle joint for artificial limbs. 2,186,540; Jan. 9.

Bouvy, Christiaan H. (See Gordon, J. F., and Bouvy.)

Bowen, Kenneth H., assignor to Columbian Rope Company, Auburn, N. Y. Composite parti-resilient body. 2,186,402; Jan. 9.

Bowers, Frederick M., Chester, Pa. Filter glass holder. 2,186,817; Jan. 9.

Boyd, Charles A., Chagrin Falls, F. B. Kraft, Cleveland, and P. Ragborg, Euclid, assignors to the Kilby Manufacturing Company, Cleveland Ohio. Crystallizing apparatus. 2,186,234; Jan. 9.

Boyer, Maxwell J., and N. E., Lakeland, Fla. Method of and apparatus for hand weaving. 2,186,692; Jan. 9.

Boyer, Nellie E. (See Boyer, Maxwell J., and N. E.)

Boyer, Robert A. (See Ford, H., and Boyer.)

Bradbury, Samuel L., Meadville, Pa., assignor to Talon, Inc. Slider inspecting machine. 2,186,693; Jan. 9.

Bradford, Thomas, assignor to W. J. Cameron, Chicago, Ill. Apparatus and method for ascertaining and recording conditions of the circulatory system. 2,186,517; Jan. 9.

Brandt, Henry E., North St. Paul, Minn. Safety pump plunger. 2,186,622; Jan. 9.

Braun, Frank C., New York, N. Y. Adjustable easel. 2,186,573; Jan. 9.

Braun, Géza, assignor to Standard Brands Incorporated, New York, N. Y. Glutamic acid recovery from solutions. 2,186,162; Jan. 9.

Brazier, Leslie G., G. M. Hamilton, and R. S. Vincent, assignors to Callender's Cable and Construction Company, Limited, London, England. Electric cable. 2,186,446; Jan. 9.

Breed, Carroll M., assignor to United Stove Company, Ypsilanti, Mich. Wick type oil burner construction. 2,186,541; Jan. 9.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner for liquid fuel. 2,186,004; Jan. 9.

Brennan, Joseph H., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Making molybdenum and alloys of molybdenum. 2,186,447; Jan. 9.

Breth, Walter J. (See Engler, M. L., and Breth.)

Bridges, Frank R., Needham, and F. E. Weld, Newton, assignors to The Gamewell Company, Newton Upper Falls, Mass. Fire alarm system. 2,186,163; Jan. 9.

Briggs, George L., Oneida, N. Y. Skid chain. 2,186,475; Jan. 9.

Briscoe, Charles F., et al. (See Weeks, Lloyd W., assignor.)

British Insulated Cables Limited. (See Hargreaves, E. S., Clements, Brown, and Lawrenson, assignors.)

Britton, Edgar C., Midland, Mich., H. B. Marshall, Toronto, Ontario, Canada, and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Copolymers of styrene and making the same. 2,186,359; Jan. 9.

Britton, Edgar C., Midland, Mich., H. B. Marshall, Toronto, Ontario, Canada, and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Styrene copolymers. 2,186,360; Jan. 9.

Brodersen, Karl, and M. Quaedvlieg, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Treating fibrous materials. 2,186,894; Jan. 9.

Brodersen, Richard. (See Wilmanns, G., Kumetat, Fröhlich, Schneider, and Brodersen.)

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Merotricarbocyanine dye and photographic emulsion. 2,186,624; Jan. 9.

Broschke, Heinrich. (See Becker, H., Broschke, and Sänger.)

Brown, Charles S., Syracuse, N. Y. Forming boxes with one or more nipples. 2,186,322; Jan. 9.

Brown, Cleero C., Houston, Tex. Casing perforator. 2,186,323; Jan. 9.

Brown, Cleero C., Houston, Tex. Packer and setting tool combination. 2,186,324; Jan. 9.

Brown, Francis V., London, assignor to Aircraftings Limited, Gunnersbury, London, England. Gland or packing. 2,186,664; Jan. 9.

Brown, Francis V., assignor to Automotive Products Company Limited, London, England. Liquid pressure remote control system. 2,186,235; Jan. 9.

Brown, George R., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,186,818; Jan. 9.

Brown, Leonard E. (See Currie, George B., assignor.)

Brown, Norman E., assignor to Stevenson Company, Wellsville, Ohio. Mill. 2,186,164; Jan. 9.

Brown, William A. (See Hargreaves, E. S., Clements, Brown, and Lawrenson.)

Brunsviga Maschinenwerke Grimme Natalis & Co. A. G. (See Norton, Charles W., assignor.)

Bryan, Lloyd, Los Angeles, and W. R. Postlewaite, assignors to Standard Oil Company of California, San Francisco, Calif. Apparatus for coating pipe. 2,186,361; Jan. 9.

Buchsbaum, Herbert, Chicago, Ill. Reversible buckle. 2,186,819; Jan. 9.

Buckingham, William D., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Balancing duplex circuit. 2,186,006; Jan. 9.

Bucknam, James H., Cranford, N. J., assignor to The Linde Air Products Company. Metal surfacing apparatus. 2,186,096; Jan. 9.

Budd, Edward G., Manufacturing Company. (See Clary, Joseph F., assignor.)

Bukovy, John, Akron, Ohio. Adjustable pattern. 2,186,325; Jan. 9.

Bullis, Earl, Amsterdam, N. Y., and M. Stechler, Chicago, Ill. Striking bag stand and attachment. 2,186,403; Jan. 9.

Bunnell, Earl C., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Control mechanism. 2,186,448; Jan. 9.

Buono, Joseph, Brooklyn, assignor to Geo. V. Clark Co., Inc., Long Island City, N. Y. Closure for containers. 2,186,518; Jan. 9.

Buono, Joseph, Brooklyn, assignor to Geo. V. Clark Co., Inc., Long Island City, N. Y. Manufacture of closures for containers. 2,186,519; Jan. 9.

Burkinshaw, Sidney D., Brocksburg, Nebr. Tooth brush. 2,186,520; Jan. 9.

Burns, Thomas J., Shelton, Conn. Adjustable form for sectional concrete burial vaults. 2,186,097; Jan. 9.

Burroughs Wellcome & Co. (U. S. A.) Inc. (See Page, R. C., and Tullar, assignors.)

Burroughs Wellcome & Co. (U. S. A.) Inc. (See Tullar, P. E., and Page, assignors.)

Burrows, Godfrey. (See Fawcett, E. W., and Burrows.)

Büssing-Nag Vereinigte Nutzkraftwagen Aktiengesellschaft. (See Zahren, Franz, assignor.)

Butler, Kenneth M. (See Judge, W. M., and Butler.)

Cabrera, Luis A., Caracas, Venezuela, assignor of one-fourth to E. T. Stewart, New York, N. Y. Advertising device. 2,186,665; Jan. 9.

Callender's Cable and Construction Company. (See Brazier, L. G., Hamilton, and Vincent, assignors.)

Cameron, William J. (See Bradford, Thomas, assignor.)

Campbell, Wyant and Cannon Foundry Company. (See Dake, Charles W., assignor.)

Candee, Allan H., Rochester, and E. Wildhaber, Irondequoit, assignors to Gleason Works, Rochester, N. Y. Relief grinding cutter blades. 2,186,362; Jan. 9.

Candee, Allan H., and G. O. Richmond, assignors to Gleason Works, Rochester, N. Y. Dressing mechanism. 2,186,363; Jan. 9.

Canter, Morris. (See Rubinoff, Mark, assignor.)

Carbide and Carbon Chemicals Corporation. (See Toussaint, Walter J., assignor.)

Carroll, Linus A., Colorado Springs, Colo. Anchoring stopper. 2,186,625; Jan. 9.

Carswell, Firman L., Johnson County, Kans., and O. W. Schmidt, Kansas City, Mo. Installing subdrain pipe. 2,186,364; Jan. 9.

Carter, Donald M. (See Westbrooke, Milo E., assignor.)

Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Fuel delivery device for stokers. 2,186,404; Jan. 9.

Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Stoker drive mechanism. 2,186,405; Jan. 9.

Carter, William J., Avonmouth, assignor to National Processes Limited, London, England. Rotproofing and waterproofing of materials. 2,186,750; Jan. 9.

Casarotti, Romeo A., Oakland, Calif. Faucet. 2,186,326; Jan. 9.

Case, J. I., Company. (See Larsen, Carl B., assignor.)

Cash, Finley, Mechanicville, N. Y. Furnace ignition arch. 2,186,521; Jan. 9.

Caspers Tin Plate Company. (See Albright, Edward A., assignor.)

Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)

Castles, Richard C., Chicago, Ill. Soiled dish container. 2,186,365; Jan. 9.

Casto, Glenn L., Spencer, W. Va. Tooth brush. 2,186,005; Jan. 9.
Catalin Corporation of America. (See Thompson, W. R., and Flood, assignors.)
Caver, W. H. (See Jones, George L., assignor.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Roberts, Samuel B., assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Centeno, V, Melchor, New York, N. Y. Optical filter. 2,186,203; Jan. 9.
Cereda, José A., Buenos Aires, Argentina. Mechanism for operating locks, latches, and the like. 2,186,666; Jan. 9.
Chadirjian, Malkon and O., Corona, N. Y. Buckle. 2,186,574; Jan. 9.
Chadirjian, Oscar. (See Chadirjian, Malkon and O.)
Chamberlain, Frederick R., Jr., Fortress Monroe, Va. Controlling gunfire. 2,186,007; Jan. 9.
Champion Paper and Fibre Company, The. (See Murdock, Harold R., assignor.)
Chapman, A. D., & Company. (See Chapman, A. D., and Lindgren, assignors.)
Chapman, Alfred D., Chicago, Ill., and R. M. Lindgren, St. Paul, Minn., assignors to A. D. Chapman & Company, Inc., Chicago, Ill. Preservative composition. 2,186,134; Jan. 9.
Chapman, Everett, Coatesville, Pa. Car truck. 2,186,008; Jan. 9.
Chapman, Penrose E., St. Louis, Mo. Coil winding machine. 2,186,820; Jan. 9.
Childs, Henry R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Continuous process for the manufacture of cellulose derivative cut staple yarn. 2,186,135; Jan. 9.
Chirelstein, Nathan, Chicago, Ill. Attachment plug cap. 2,186,751; Jan. 9.
Christen, Victor H., Detroit, Mich. Windshield wiper blade. 2,186,193; Jan. 9.
Christensen, Alfred C., assignor to H. S. Simpson, Chicago, Ill. Automatic batch weighing machine. 2,186,575; Jan. 9.
Christhilf, James G. (See Hull, G. E., and Christhilf.)
Churchill, Ralph H., Chicago, Ill. Vulcanizing fuel. 2,186,667; Jan. 9.
Cinaudagraph Corporation. (See Cornwell, Lionel B., assignor.)
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Cities Service Oil Company. (See Walker, John C., assignor.)
Clark, Geo. V., Co. (See Buono, Joseph, assignor.)
Clark, J. L., Manufacturing Co. (See Mills, Wallace C., assignor.)
Clark, Rolland R., West Haven, and B. W. Phelps, North Haven, Conn. Poultry cage. 2,186,009; Jan. 9.
Clary, Joseph F., Bala-Cynwyd, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sleeping car. 2,186,778; Jan. 9.
Clements, Waldo J. (See Hargreaves, E. S., Clements, Brown, and Lawrenson.)
Clough, Oren C., Wilkes-Barre, Pa. Fuse switch. 2,186,165; Jan. 9.
Clouston, Charles E., Isleworth, England, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Occulter for searchlights. 2,186,063; Jan. 9.
Coburn, Abbott. (See Koch, Henry C., assignor.)
Cochran, Rupert D., Houston, Tex. Popping cork. 2,186,281; Jan. 9.
Coddington, Lloyd, Minneapolis, Minn. Oiling system. 2,186,477; Jan. 9.
Coleman, Gerald H., G. V. Moore, and G. B. Stratton, assignors to The Dow Chemical Company, Midland, Mich. Halogen-containing condensation product and making same. 2,186,366; Jan. 9.
Coleman, Gerald H., and G. B. Stratton, assignors to The Dow Chemical Company, Midland, Mich. Halo-aryl ethers. 2,186,367; Jan. 9.
Collins, Howard W. (See Slayter, G., and Collins.)
Colonial Radio Corporation. (See Cutting, F., Forbes, and Tittle, assignors.)
Colonial Radio Corporation. (See Forbes, Henry C., assignor.)
Columbian Rope Company. (See Bowen, Kenneth H., assignor.)
Compagnia Continentale Di Selleri Ciclistiche Ed Affini, S. A. (See Guidetti, Guido A., assignor.)
Comstock & Wescott, Inc. (See Weaver, Eastman A., assignor.)
Conger, Herbert A., Glendale, Calif. Commodity carrier. 2,186,368; Jan. 9.
Connell, Robert E., Houston, Tex. Flame arrester. 2,186,752; Jan. 9.
Consolidated Iron-Steel Manufacturing Company, The. (See Maine, James F., assignor.)
Continental Oil Company. (See Lincoln, B. H., and Steiner, assignors.)
Controlair Manufacturing Co. (See Wheeler, Charles S., assignor.)
Copperweld Steel Company. (See Frank, Robert J., assignor.)
Corbin, Douglas H., Dunstable, England, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,186,283; Jan. 9.
Cordier, David E., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Accelerator for urea-formaldehyde molding compositions. 2,186,821; Jan. 9.
Corn Products Refining Company. (See McCoy, Rush O., assignor.)
Cornwell, Lionel B., Teaneck, N. J., assignor to Cinaudagraph Corporation. Reproducer. 2,186,576; Jan. 9.
Corpora, Michael, San Jose, Calif. Automobile directional signal. 2,186,098; Jan. 9.
Coulter, Guy H. (See Arbuckle, S. F., Coulter, and Godley.)
Coupland, Robert W. (See Batey, A., and Coupland.)
Cowgill, William W., Fairfield, Conn., assignor to Sardik Incorporated, Jersey City, N. J. Apparatus for treating material. 2,186,282; Jan. 9.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,186,800; Jan. 9.
Cramer, William E. (See Orth, H. S., Oberst, and Cramer.)
Crawford, Bruce D., Grass Valley, Calif., assignor to American Cyanamid Company, New York, N. Y. Recovering gold from saprolite gold ores and other refractory slow settling gold ores. 2,186,779; Jan. 9.
Crosser, David H., Chicago, Ill., assignor to National Tinsel Mfg. Co., Manitowoc, Wis. Ornament. 2,186,327; Jan. 9.
Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)
Cummings, Leon H., Berlin, Mass. Ironing table. 2,186,194; Jan. 9.
Curie, George L., Minneapolis, Minn. Spouting system for type casting machines. 2,186,801; Jan. 9.
Curran, John, Cardiff, Wales. Annealing and pickling of hollow metal articles. 2,186,856; Jan. 9.
Currie, George B., assignor of one-half to L. E. Brown, Detroit, Mich. Fuse device. 2,186,920; Jan. 9.
Curtis, Franklin E., Willoughby, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Listing mechanism for addressing machines. 2,186,010; Jan. 9.
Curtis, William H., Cleveland, Ohio. Can opener. 2,186,668; Jan. 9.
Curtiss-Wright Corporation. (See Weymouth, Frederick R., assignor.)
Cushman Chuck Company, The. (See Sloan, H. E., and Highberg, assignors.)
Cutler-Hammer, Inc. (See Laabs, Eric H., assignor.)
Cutting, Fulton, Buffalo, H. C. Forbes and H. C. Tittle, Eggertsville, assignors to Colonial Radio Corporation, Buffalo, N. Y. Radio receiving apparatus. 2,186,099; Jan. 9.
Daimler-Benz Aktiengesellschaft. (See Berger, Arthur, assignor.)
Dake, Charles W., Grand Haven, assignor to Campbell, Wyant and Cannon Foundry Company, Norton Township, Mich. Apparatus for hardening ferrous bodies and the like. 2,186,626; Jan. 9.
Dalpayrat, Henri F., assignor to Radio Patents Corporation, New York, N. Y. Inverse feedback circuits. 2,186,195; Jan. 9.
Daniel, Raymond F., Champaign, Ill. Pitcher. 2,186,166; Jan. 9.
Daniels, Fred C. T., Bridgeville, Pa., assignor to Mackintosh-Hemphill Company. Making ferrous alloys. 2,186,328; Jan. 9.
Daniels, Fred C. T., Bridgeville, Pa., assignor to Mackintosh-Hemphill Company. Making gray cast iron. 2,186,329; Jan. 9.
"Danuvia" Ipari és Kereskedelmi R. T. (See Gebauer, Ferenc, assignor.)
Davey, George W., Worcester, Mass. Furnace wall structure. 2,186,577; Jan. 9.
Davies, Clarence J. (See Mitchell, A. S., Davies, and Ratley.)
Davies, Francis L., Waukesha, Wis. Hair cutter. 2,186,627; Jan. 9.
Davis, Robert F., Arlington, Va. Domestic oven. 2,186,857; Jan. 9.
Dayton Pump and Manufacturing Company, The. (See Eickmeyer, Earl E., assignor.)
Dearborn, John W., Ansonia, Conn. Work-holding fixture. 2,186,236; Jan. 9.
Debby, John G., Cleveland, Ohio. Electrical connector. 2,186,476; Jan. 9.
Deere & Company. (See Paul, Talbert W., assignor.)
Degerth, John G., Helsingfors, assignor, by mesne assignments, to Wärtsilä-Yhtymä O/Y.-Wärtsilä-Koncernen A. B., Vartsila, Finland. Arrangement in separators for prevention of foam creation. 2,186,822; Jan. 9.
Dehuff, Walter F., Glen Rock, Pa., assignor to American Machine & Foundry Company. Bowl handling mechanism for mixing machines. 2,186,478; Jan. 9.
Dekker, Adriaan J., Leiden, assignor to N. V. "Stroomlyn" Tot Exploitatie van Octrooien, The Hague, Netherlands. Rotary propeller and the like device. 2,186,064; Jan. 9.
De Laval Separator Company. (See Magni, Karl G., assignor.)

Dell, Kenneth H., et al. (See Scheel, Wilhalm F., assignor.)
Delta-Star Electric Company. (See (Hampton, W. O., and Nessler, assignors), and Wenz.)
Denig, Fred, Pittsburgh, Pa., assignor to Koppers Company. Coke oven structure. 2,186,237; Jan. 9.
Denman, Harry B., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Cork composition. 2,186,284; Jan. 9.
Dent, Harry M., Eggertsville, and A. F. Shepard, Kenmore, assignors to General Plastics, Inc., North Tonawanda, N. Y. Resinous product. 2,186,406; Jan. 9.
De Port, Théophile, New Carlisle, Ohio. Shock absorber. 2,186,011; Jan. 9.
De Roo, William C. (See Schwarz, B. A., and De Roo.)
De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Tuning system. 2,186,823; Jan. 9.
Detroit Gasket & Mfg. Co. (See Denman, Harry B., assignor.)
Deuel, Edward W., Pueblo, Colo. Lading bracing. 2,186,238; Jan. 9.
Deutsch, Friedrich. (See Freund, E., and Deutsch.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Schirm, Erik, assignor.)
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Fish lure. 2,186,780; Jan. 9.
D'Humy, Fernand E., Scarsdale, N. Y., and L. W. Franklin, Delawanna, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,186,895; Jan. 9.
D'Humy, Fernand E., Scarsdale, N. Y., and L. W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,186,896; Jan. 9.
D'Humy, Fernand E., Scarsdale, N. Y., and L. W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telautograph system. 2,186,897; Jan. 9.
D'Humy, Fernand E., Scarsdale, N. Y., and L. W. Franklin, Delawanna, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph storage system. 2,186,898; Jan. 9.
D'Humy, Fernand E., Scarsdale, N. Y., and L. W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,186,899; Jan. 9.
Dick, Herman J., and J. L. Gibson, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,186,900; Jan. 9.
Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,186,628; Jan. 9.
Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Dyeing. 2,186,629; Jan. 9.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating process and composition therefor. 2,186,630; Jan. 9.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic derivative compositions containing tetrahydrofurfuryl tetrahydrofuroate. 2,186,631; Jan. 9.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic derivative compositions containing glycol tetrahydrofuroates. 2,186,632; Jan. 9.
Dieckmann, Charles W., Chicago, Ill. Cutter for meat grinders. 2,186,716; Jan. 9.
Dietert, Harry W., Detroit, Mich. Deformation and resilience apparatus. 2,186,824; Jan. 9.
Digby, Everard T., London, England. Printing on metal. 2,186,858; Jan. 9.
Digby, Everard T., London, England. Printing on metal. 2,186,859; Jan. 9.
Dike, Theodore W., assignor to I. F. Laucks, Inc., Seattle, Wash. Adhesive. 2,186,369; Jan. 9.
Dilks, James J., Jr., Haddon Heights, N. J. Motion picture projector. 2,186,753; Jan. 9.
Dishman, Linnie E., Tustin, Calif. Playing field marker. 2,186,407; Jan. 9.
Ditges, William L., assignor to The Morgan Engineering Company, Alliance, Ohio. Pinion assembly for use with rolls or the like. 2,186,522; Jan. 9.
Dodd, Sidney R., Caldwell, N. J., assignor to Oakite Products, Inc. Metal cleaning. 2,186,523; Jan. 9.
Doering, Charles, Chicago, Ill. Clutch mechanism. 2,186,100; Jan. 9.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Amplifier muting circuit. 2,186,825; Jan. 9.
Dominion Engineering Works Limited. (See Malkin, Bernard A., assignor.)
Dosser, Robert C., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of cyclohexene. 2,186,370; Jan. 9.
Doughmann, Ferman C., Stamford, Conn., assignor to Electrolux Corporation, Dover, Del. Electric cord set. 2,186,578; Jan. 9.
Dow Chemical Company, The. (See Britton, E. C., Marshall, and Le Fevre, assignors.)
Dow Chemical Company, The. (See Coleman, G. H., Moore, and Stratton, assignors.)
Dow Chemical Company, The. (See Coleman, G. H., and Stratton, assignors.)
Dow Chemical Company, The. (See Dosser, Robert C., assignor.)
Dowling, Philip H., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier. 2,186,781; Jan. 9.
Downflow Syphon Company. (See Hawley, Charles G.)
Dreyfus, Henry, London, England. Production of cellulosic materials. 2,186,101; Jan. 9.
Drobniewsky, John, Mount Vernon, N. Y. Dispensing device. 2,186,449; Jan. 9.
Drotning, Henry O., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 2,186,633; Jan. 9.
Dubpernell, George, Waterbury, Conn., and K. G. Soderberg, Detroit, Mich., assignors, by mesne assignments, to The Udylite Corporation. Brightening metals electronegative to iron. 2,186,579; Jan. 9.
Ducroux, René, Marseilles, France. Airport construction. 2,186,450; Jan. 9.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, Allen B., assignor.)
Du Mont, Allen B., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Method and system for television communication. 2,186,634; Jan. 9.
Du Mont, Allen B., Upper Montclair, and A. J. Hinck, Jr., Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode ray tube. 2,186,635; Jan. 9.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, A. B., and Hinck, assignors.)
Dunne, Edward F., Convent, N. J., assignor to Stapling Machines Co. Box. 2,186,102; Jan. 9.
Dunningcolor Corporation. (See Harrison, William H. and E. C., assignors.)
Du Pont, E. I., de Nemours & Company. (See Booge, J. E., and Oppermann, assignors.)
Du Pont, E. I., de Nemours & Company. (See Freund, E., and Deutsch, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gubelmann, I., Tinker, and Spiegler, assignors.)
Du Pont, E. I., de Nemours & Company. (See Koethen, Frederick L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rash, John W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Youker, Mortimer A., assignor.)
Duray, John, Minto, N. Dak. Ice sawing machine. 2,186,012; Jan. 9.
Durdin, Augustus C., Jr., Lincolnwood, Ill. Apparatus for and method of removing supernatant matter from sewage and other liquids. 2,186,371; Jan. 9.
Dutcher, Frank E., New York, N. Y. Installing unbreakable watch crystals. 2,186,451; Jan. 9.
Duvall, Harold A. (See Pengilly, J. H., Moyen, Duvall, and Maechtlen.)
Eastman Kodak Company. (See Bachman, Gustave B., assignor.)
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Eastman Kodak Company. (See Childs, Henry R., assignor.)
Eastman Kodak Company. (See Dickey, Joseph B., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)
Eastman Kodak Company. (See Drotning, Henry O., assignor.)
Eastman Kodak Company. (See Green, C. H., and McAdam, assignors.)
Eastman Kodak Company. (See Herzberger, Maximilian J., assignor.)
Eastman Kodak Company. (See Hughey, Carter J., assignor.)
Eastman Kodak Company. (See Hutchison, Miller R., Jr., assignor.)
Eastman Kodak Company. (See Keyes, Grafton H., assignor.)
Eastman Kodak Company. (See Leavitt, R. P., and Beggs, assignors.)
Eastman Kodak Company. (See Martin, Lawrence R., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Othmer, Donald F., assignor.)
Eastman Kodak Company. (See Philips, Harlow D., assignor.)
Eaton Manufacturing Company. (See Halladay, Calvin L., assignor.)
Eclipse Aviation Corporation. (See Baer, H., and Finnegan, assignors.)
Edgar, Robert F., Schenectady, N. Y., assignor to General Electric Company. Eccentricity indicator. 2,186,826; Jan. 9.
Edgerton, Harold E., Watertown, Mass. Motion-picture apparatus. 2,186,013; Jan. 9.
Edison Cement Corporation et al. (See Wilsnack, George C., assignor.)
Edison General Electric Applicance Company. (See Uhlir, William G., assignor.)
Edwards, Robert B. (See Hammond, J. W., and Edwards.)

Edwards, William J., Wichita Falls, Tex. Mast head. 2,186,720; Jan. 9.
Eggert, John, Leipzig-Gohlis, and A. Fröhlich, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Production of colored photographic pictures. 2,186,717; Jan. 9.
Eickman, Walter C., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Paper clamp. 2,186,136; Jan. 9.
Eickmeyer, Earl E., assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Plated storage tank and making. 2,186,285; Jan. 9.
Eissmann, Erich, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Separation apparatus. 2,186,167; Jan. 9.
Electric Household Utilities Corporation. (See Beattie, John P., assignor.)
Electric Household Utilities Corporation. (See Jensen, Joseph W., assignor.)
Electric & Musical Industries Limited. (See White, Eric L. C., assignor.)
Electrical Research Laboratories, Inc. (See Schnell, William J., assignor.)
Electrolux Corporation. (See Doughman, Ferman C., assignor.)
Electro Metallurgical Company. (See Brennan, Joseph H., assignor.)
Elgh, Stanley B., assignor to Koehring Company, Milwaukee, Wis. Collapsible A-frame structure for shovels, cranes, or the like. 2,186,372; Jan. 9.
Elliott, Theodore, Winchester, Mass. Ski binding. 2,186,479; Jan. 9.
Ellis, Greer, Cambridge, Mass., assignor to Magnaflux Corporation, Chicago, Ill. Detecting flaws in rigid material. 2,186,014; Jan. 9.
Engel, Albert W., Chicago, Ill. Lantern slide construction kit. 2,186,827; Jan. 9.
Engler, Max L., and W. J. Breth, assignors to The General Tire & Rubber Company, Akron, Ohio. Splicing machine. 2,186,286; Jan. 9.
Ensing Carburetor Co. Ltd. (See Ensign, Paul W., assignor.)
Ensign, Paul W., San Marino, assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif. Carburetor. 2,186,480; Jan. 9.
Epstein, Herman. (See Adams, Arthur H., assignor.)
Erbach, Frederick R., assignor, by mesne asignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigeration apparatus. 2,186,782; Jan. 9.
Erickson, Carl L., Glendale, Ariz. Automobile lighting system and control switch for the same. 2,186,911; Jan. 9.
Erling, Ralph, Cranford, N. J. By-pass valve mechanism. 2,186,015; Jan. 9.
Ernest, Ralph D. (See Jirka, J. F., McCurdy, Slager, and Ernest.)
Esch, Rudolf E. (See Harrington, F. T., and Esch.)
Estes, Joseph C., Woonsocket, assignor to A. T. Levy, Harrisville, R. I. Prefabricated building. 2,186,460; Jan. 9.
Evans, Grover C., Little Rock, Ark. Water heating system for bottle washing machines. 2,186,860; Jan. 9.
Evans, John R., West Pittston, Pa. Exercising ball and support therefor. 2,186,016; Jan. 9.
Ewald, Gustav, North Tonawanda, and B. T. McGary, Tonawanda, assignors to Remington Rand Inc., Buffalo, N. Y. Folder making machine. 2,186,901; Jan. 9.
Ewart, Elliott S. (See Sloman, C. M., and Ewart.)
Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)
Fabrice, Edward H., Chicago, Ill. Sealed receptacle. 2,186,580; Jan. 9.
Fafnir Bearing Company, The. (See Stanley, Charles F., assignor.)
Faulds, George, assignor of one-half to E. A. Roth, Philadelphia, Pa. Baffle and heat retaining means for furnaces. 2,186,373; Jan. 9.
Faulds, George, Philadelphia, Pa. Flame-diffuser and heat-retainer device for furnaces. 2,186,374; Jan. 9.
Fawcett, Eric W. and G. Burrows, Northwich, England, assignors to Imperial Chemical Industries Limited. Apparatus for high-vacuum distillation. 2,186,669; Jan. 9.
Federal Cutting Machine Company. (See Trantino, Samuel, assignor.)
Federal Telegraph Company. (See Suydam, Clinton H., assignor.)
Feldman, Jacob B., Philadelphia, Pa. Apparatus for determining the minimum light visible. 2,186,408; Jan. 9.
Feldt, Adolf, Berlin-Charlottenburg, and K. Schöllkopf, Berlin-Dahlem, Germany, assignors to Schering Aktiengesellschaft. Manufacture of complex gold compounds of albumose-like keratin degradation products containing sulphhydryl groups. 2,186,694; Jan. 9.
Fereday, Frederick T., Louisville, Ky. Interlocking relay. 2,186,670; Jan. 9.
Ferguson, John, Cleveland, Ohio. Feeder for glass furnaces and feeding glass. 2,186,718; Jan. 9.
Fernsch Aktiengesellschaft. (See Ruska, Ernst, assignor.)
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,186,409; Jan. 9.
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Rectifier system. 2,186,239; Jan. 9.
Finnegan, Martin J. (See Baer, H., and Finnegan.)
Firth, Thos. & John Brown Limited. (See Hatfield, William H., assignor.)
Fischer, Stefan, Prague-Dejvice, assignor to A. Selig, Prague, Czechoslovakia. Springing system of vehicles. 2,186,065; Jan. 9.
Fitzgerald, John R., Columbus, Ohio. Copying, tracing, and reproducing apparatus. 2,186,330; Jan. 9.
Fitzhugh, William W., Inc. (See Hornecker, George, assignor.)
Flammang, John, University City, assignor to The Sterling Corporation, St. Louis, Mo. Piston. 2,186,375; Jan. 9.
Flanigan, George E. (See Ansbacher, S., Flanigan, and Supplee.)
Fleming, James L., Los Angeles, Calif. Valve. 2,186,481; Jan. 9.
Flood, Leslie W., and E. B. Hagar, Chicago, Ill. Vacuum molding. 2,186,331; Jan. 9.
Flood, William E. (See Thompson, W. R., and Flood.)
Fockler, Theodore C., Wilkinsburg, and A. Martens, Murrysville, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Brush holder. 2,186,240; Jan. 9.
Follman, Ervin R. and G., Bridgewater, Iowa. Swivel adapter for hay carriers. 2,186,783; Jan. 9.
Follman, Gus. (See Follman, Ervin R. and G.)
Forbes, Henry C. (See Cutting, F., Forbes, and Tittle.)
Forbes, Henry C., assignor to Colonial Radio Corporation, Buffalo, N. Y. Electrical sound reproducing system. 2,186,103; Jan. 9.
Ford, Henry, and R. A. Boyer, assignors to Ford Motor Company, Dearborn, Mich. Soy bean crusher. 2,186,066; Jan. 9.
Ford Motor Company. (See Ford, H., and Boyer, assignors.)
Ford Motor Company. (See Groven, Frederick J., assignor.)
Ford Motor Company. (See Sheldrick, Laurence S., assignor.)
Formrite Bacon Press Corporation. (See Pierson, Benjamin J., assignor.)
Forstrom, Edward W., Stratford, Conn., assignor to General Electric Company. Tuning system. 2,186,828; Jan. 9.
Fortune, William B., assignor to Eli Lilly and Company, Indianapolis, Ind. Urine acetone test. 2,186,902; Jan. 9.
Foster Wheeler Corporation. (See Blizard, John, assignor.)
Fraim, Freeman W. (See Little, R. Fraim, and Tholl.)
Frank, Harrison J. L., and J. A. Messing, Detroit, Mich. Trolley and current collector means. 2,186,376; Jan. 9.
Frank, Robert J., Pittsburgh, Pa., assignor to Copperweld Steel Company. Ground rod. 2,186,482; Jan. 9.
Frank, William H. Detroit, Mich. Electrical distribution system. 2,186,377; Jan. 9.
Franklin, Lawrence W. (See d'Humy, F. E., and Franklin.)
Franklin Process Company. (See Wood, John M., assignor.)
Freeman, Walter R., University City, assignor, to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,186,332; Jan. 9.
Freund, Ernst, and F. Deutsch, Vienna, Austria, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial structure and preparing same. 2,186,452; Jan. 9.
Frey, Frederick E., M. P. Matuszak, and R. D. Snow, assignors to Phillips Petroleum Company, Bartlesville, Okla. Increasing the concentration of olefins in a mixture containing olefins and paraffins. 2,186,524; Jan. 9.
Freysinger, John B., assignor to North and Judd Manufacturing Company, New Britain, Conn. Clasp. 2,186,410; Jan. 9.
Fröhlich, Alfred. (See Eggert, J., and Fröhlich.)
Fröhlich, Alfred. (See Schneider, W., and Fröhlich.)
Fröhlich, Alfred. (See Wilmanns, G., Kumetat, Fröhlich, Schneider, and Brodersen.)
Fröhlich, Alfred. (See Willmans, G., Schneider, and Fröhlich.)
Fröhlich, Alfred. (See Wilmanns, G. Sieglitz, and Fröhlich.)
Fröhlich, Alfred and W. Schneider, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic silver halide emulsions. 2,186,719; Jan. 9.
Fromm, Herbert, Hamburg, Wis. Fruit juice extractor. 2,186,671; Jan. 9.
Fromm, Herbert, Hamburg, Wis. Juice extractor. 2,186,672; Jan. 9.
Fry, Benjamin W. (See Gottfried, J., and Fry.)
Fry, Benjamin W. and J. Gottfried, assignors to National Slug Rejectors, Inc., St. Louis, Mo. Vending machine. 2,186,861; Jan. 9.
Fry, Benjamin W. and J. Gottfried, assignors to National Slug Rejectors, Inc., St. Louis, Mo. Coin selector. 2,186,862; Jan. 9.
Fuchs, Henry O., assignor to General Motors Corporation, Detroit, Mich. Steering linkage. 2,186,287; Jan. 9.
Fuhringer, Joseph. (See Seitz, John H., assignor.)

Furay, Carl N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Liquid cooled engine cylinder. 2,186,784; Jan. 9.
G. M. S. Corporation. (See Sloan, Theodore H., assignor.)
Gallagher, John P., Jersey City, N. J., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Apparatus for die pressing metal plates. 2,186,288; Jan. 9.
Galstaun, Lionel S. (See Lazar, A., and Galstaun.)
Gamewell Company, The. (See Bridges, F. R., and Weld, assignors.)
Ganner, Gunnar, Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Apparatus for burning solid fuel. 2,185,581; Jan. 9.
Garlock Packing Company, The. (See Salisbury, Maxwell E., assignor.)
Garriss, Thurman W., Watha, N. C. Animal trap. 2,186,864; Jan. 9.
Gaylor, Peter J. (See Wiezevich, Peter J.)
Gaylor, Peter J., Union, N. J., assignor to Standard Oil Development Company. Fluorinated compound and producing same. 2,186,917; Jan. 9.
Gebauer, Ferenc, assignor of one-half to "Danuvia" Ipari és Kereskedelmi R. T., Budapest, Hungary. Gas-operated firearm. 2,186,582; Jan. 9.
Gee, William P., Plainfield, N. J., assignor to The Texas Company, New York, N. Y. Rotary drum filter. 2,186,289; Jan. 9.
General Aniline Works, Inc. (See Brodersen, K., and Quaedvlieg, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., Honold, Stein, Schubert, and Anton, assignors.)
General Aniline Works, Inc. (See Schmitt, R., and Albert, assignors.)
General Aniline Works, Inc. (See Zerweck W., and Heinrich, assignors.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Bigalke, Alfred, assignor.)
General Electric Company. (See Brown, George R., assignor.)
General Electric Company. (See De Tar, Donald R., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Edgar, Robert F., assignor.)
General Electric Company. (See Forstrom, Edward W., assignor.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See Rogers, Harold W., assignor.)
General Electric Company. (See Scoville, Merritt E., assignor.)
General Electric Company. (See Shoults, David R., assignor.)
General Electric Company. (See Stiles, Harry L., assignor.)
General Electric Company. (See Tröger, Richard, assignor.)
General Motors Corporation. (See Corbin, Douglas H., assignor.)
General Motors Corporation. (See Dick, H. J., and Gibson, assignors.)
General Motors Corporation. (See Fuchs, Henry O., assignor.)
General Motors Corporation. (See Gordon, J. F., and Bouvy, assignors.)
General Motors Corporation. (See Klas, Harold W., assignor.)
General Motors Corporation. (See Nyland, Edward R., assignor.)
General Motors Corporation. (See Schwarz, B. A., and De Roo, assignors.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Motors Corporation. (See Tetens, Raymond E., assignor.)
General Plastics, Inc. (See Dent, H. M., and Shepard, assignors.)
General Tire & Rubber Company, The. (See Engler, M. L., and Breth, assignors.)
General Tire & Rubber Company, The. (See Orr, Glenn H., assignor.)
General Tire & Rubber Company, The. (See Smith, Wiley, assignor.)
Geng, Charles J., Nutley, assignor to Wilson-Imperial Company, Newark, N. J. Cleaning composition. 2,186,017; Jan. 9.
Gesellschaft für Lindes Eismaschinen A.-G. et al. (See Steinbacher, Friedrich, assignor.)
Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Spindle. 2,186,525; Jan. 9.
Geyer, Ernest H., and H. A. Taubensee, Chicago, Ill. Joint for concrete slabs. 2,186,104; Jan. 9.
Giambalvo, Vito, Brooklyn, assignor to Interchemical Corporation, New York, N. Y. Purification of aromatic nitriles. 2,186,754; Jan. 9.
Gibbs, Edward F-G., Detroit, Mich. Live center. 2,186,921; Jan. 9.
Gibson, J. Lowell. (See Dick, H. J., and Gibson.)
Giersch, Ewald A., Seattle, Wash. Tack puller. 2,186,333; Jan. 9.

Glasgow, Chester W., assignor to M. E. Glasgow, and one-half to A. F. Jackson, Detroit, Mich. Swinging sign. 2,186,241; Jan. 9.
Glasgow, Margaret E. et al. (See Glasgow, Chester W., assignor.)
Gleason, George H., Montclair, N. J., and A. C. Loonam, Brooklyn, assignors to Guggenheim Brothers, New York, N. Y. Recovery of sulphur dioxide. 2,186,453; Jan. 9.
Gleason, Joseph P. Lynbrook, N. Y., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Latch. 2,186,903; Jan. 9.
Gleason Works. (See Candee, A. H., and Richmond, assignors.)
Gleason Works. (See Candee, A. H., and Wildhaber, assignors.)
Globe-Union Inc. (See Stoekle, Erwin R., assignor.)
Gloess, Paul F. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Television system. 2,186,542; Jan. 9.
Gloor, Walter E., South River, N. J., assignor to Hercules Powder Company, Wilmington, Del. Lacquers containing cellulose acetobutyrate and cellulose acetopropionate. 2,186,454; Jan. 9.
Godley, Charles E. (See Arbuckle, S. F., Coulter, and Godley.)
Goerg, Bernard, Scarsdale, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heating apparatus. 2,186,802; Jan. 9.
Goerg, Bernard, Scarsdale, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heating apparatus. 2,186,803; Jan. 9.
Goldmark, Peter C., assignor to Markla Corporation, New York, N. Y. Sound and television receiving system. 2,186,455; Jan. 9.
Goodman, Hugh F. (See Seligman, R., and Goodman.)
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)
Goodrich, B. F., Company. (See Trumbull, Harlan L., assignor.)
Gordon, Donald, New York, N. Y. Splint. 2,186,456; Jan. 9.
Gordon, John F., and C. H. Bouvy, assignors to General Motors Corporation, Detroit, Mich. Generator drive. 2,186,290; Jan. 9.
Görlich, Paul, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Cathode ray tube. 2,186,636; Jan. 9.
Gostkowski, Bedri H., Geneva, Switzerland. Pneumatic relooping machine. 2,186,603; Jan. 9.
Gottfried, John. (See Fry, B. W., and Gottfried.)
Gottfried, John, and B. W. Fry, St. Louis, Mo. Coin selector. 2,186,863; Jan. 9.
Gouldbourn, Joseph, and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,186,604; Jan. 9.
Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)
Green, Charles H., and R. E. McAdam, assignors to Eastman Kodak Company, Rochester, N. Y. Rapid processing machine. 2,186,637; Jan. 9.
Greiner, Clement F., London, England, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Valve for bottle filling machines. 2,186,526; Jan. 9.
Griesinger, William K., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Preventing rusting of ferrous metal surfaces. 2,186,018; Jan. 9.
Griffin, Dana A., Irvington, N. J., assignor to A. N. Mann, Scarsdale, N. Y. Radio and telegraph receiver. 2,186,291; Jan. 9.
Groene, William F., and W. L. Groene, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feed mechanism for lathes. 2,186,168; Jan. 9.
Groene, Willard L. (See Groene, William F., and W. L.)
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Volumetric control means for defecator flush rim water supply. 2,186,755; Jan. 9.
Groh, Edward H., assignor to The O'Donnell Rubber Products Company, Cincinnati, Ohio. Fabric cutting machine. 2,186,583; Jan. 9.
Groome, Robert E., near Greensboro, N. C. Broom sewing apparatus. 2,186,378; Jan. 9.
Groven, Frederick J., Highland Park, assignor to Ford Motor Company, Dearborn, Mich. Drying surfaces and apparatus therefor. 2,186,067; Jan. 9.
Gubelmann, Ivan, Wilmington, Del., J. M. Tinker, Penns Grove, and L. Spiegler, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Diazonium compounds and manufacturing the same. 2,186,722; Jan. 9.
Guggenheim Brothers. (See Gleason, G. H., and Loonam, assignors.)
Guhlin, Gunnar W., and T. G. Waggoner, Houston, Tex. Loading chute. 2,186,292; Jan. 9.
Guidetti, Guido A., assignor to Compagnia Continentale di Sellerie Ciclistiche Ed Affini, S. A. Milan, Italy. Saddle connection for bicycles, motor cycles, and the like. 2,186,483; Jan. 9.

Guild, Lurelle, Darien, Conn. Colored surface coating. 2,186,721; Jan. 9.
Gunther, Fredrich J., Olive, Calif. Folding scaffold. 2,186,484; Jan. 9.
Gurley, Arnold M. (See Gurley, James M. and A. M.)
Gurley, James M. and A. M., Fort Worth, Tex. Hydraulic pumping apparatus. 2,186,411; Jan. 9.
Guthrie Ceramic Labelling & Machinery Co. (See Shurley, Frederick, assignor.)
Gutmann, Karl. (See Jonas, Willi, assignor.)
Hackney Brothers Body Company. (See Wendt, Herbert C., assignor.)
Hadamovsky, Paul, Berlin-Wilmersdorf, Germany. Low temperature carbonizing retort. 2,186,169; Jan. 9.
Haddock, William O., Los Angeles, Calif. Air turbine carburetor. 2,186,829; Jan. 9.
Hagar, Earl B. (See Flood, L. W., and Hagar.)
Hagemeyer, Henry F., Chicago, Ill., assignor to Castings Patent Corporation. Casting mechanism. 2,186,019; Jan. 9.
Hale, Jesse W., Newton Center, Mass. Change speed system. 2,186,334; Jan. 9.
Hall, Arthur, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Switch contact. 2,186,638; Jan. 9.
Hall, Chalmers G., Washington, D. C. Piston packing. 2,186,020; Jan. 9.
Hall, Fred L. (See Hull, G. E., and Christhilf, assignors.)
Hall, Harry G., assignor to M. E. Singerman and E. Arndt, New York, N. Y. Mechanical foot manipulator. 2,186,105; Jan. 9.
Hall, Harry G., Atlanta, Ga. Combination shipping and display container. 2,186,170; Jan. 9.
Halladay, Calvin L., Jackson, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle bumper. 2,186,137; Jan. 9.
Halliburton Oil Well Cementing Company. (See Simmons, John T., assignor.)
Halligan, Clair W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,186,242; Jan. 9.
Halpern, William, New York, N. Y. Sanitary dough shaper. 2,186,335; Jan. 9.
Halvorsen, Arthur L., Staten Island, N. Y. Automobile sleeping compartment. 2,186,584; Jan. 9.
Hamilton, Georg M. (See Brazier, L. G., Hamilton, and Vincent.)
Hamilton, William F., Altadena, assignor of one-half to W. R. Allen, Los Angeles, Calif. Nozzle. 2,186,804; Jan. 9.
Hammer-Bray Company. (See Leonard, J. E., and Hammons, assignors.)
Hammond Iron Works. (See Walker, Henry O., assignor.)
Hammond, John W. and R. B. Edwards, Baltimore, Md., assignors to Bendix Radio Corporation. Radio transmitter. 2,186,068; Jan. 9.
Hammons, Charles T. (See Leonard, J. E., and Hammons.)
Hamprecht, Guenther, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposition of nickel-copper matte. 2,186,293; Jan. 9.
Hampton, Weldon O., Chicago, A. E. Nessler, Evanston, and R. C. Wenz, Western Springs; said Hampton and said Nessler, assignors to Delta-Star Electric Company, Chicago, Ill. Counting control system. 2,186,922; Jan. 9.
Hancock, William T., Long Beach, Cal. Vapor phase cracking. 2,186,585; Jan. 9.
Handling, Arthur L., Wilmington, Calif., and J. D. MacKnight, Mount Vernon, assignors to The Texas Company, New York, N. Y. Adjustable multiple drill. 2,186,294; Jan. 9.
Hanna, Clinton R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,186,243; Jan. 9.
Hargrave, John T., assignor to Interchemical Corporation, New York, N. Y. Printing on asphaltic compositions. 2,186,756; Jan. 9.
Hargreaves, Edward S., Rainhill, and W. J. Clements and W. A. Brown, Eccleston Park, Prescot, and A. Lawrenson, Eccleston, assignors to British Insulated Cables Limited, Prescot, Lancashire, England. Winding wire and other long flexible articles. 2,186,106; Jan. 9.
Harm, Richard S., Dormont, assignor of one-half to G. W. Battles, Springfield, Pa. Slip sheet feeder. 2,186,485; Jan. 9.
Harr, Herman H., Newark, and L. Samuel, Irvington, N. J., assignors to L. Samel. Liquid cooling and dispensing apparatus. 2,186,723; Jan. 9.
Harrington, Ferris T., and R. E. Esch, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,186,379; Jan. 9.
Harris, Henry H., Champaign, Ill. Roller unit. 2,186,724; Jan. 9.
Harris-Seybold-Potter Company. (See Eickman, Walter C., assignor.)
Harris Textile Machinery Corporation. (See Harris, Thomas, assignor.)
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Drafting unit. 2,186,695; Jan. 9.
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Roving frame. 2,186,696; Jan. 9.
Harris, William A., assignor to The South Carolina National Bank of Charleston, Greenville, S. C., as trustee. Magazine for vending machines. 2,186,527; Jan. 9.
Harrison, Dolly V. (See Harrison, William H. and E. C.)
Harrison, Edward C. (See Harrison, William H. and E. C.)
Harrison, William H., and E. C. Harrison, D. V. Harrison, owner of the entire right of said E. C. Harrison, deceased, by decree of court, assignors, by mesne assignments, to Dunningcolor Corporation, Los Angeles, Calif. Optical system for color photography. 2,186,412; Jan. 9.
Hartford-Empire Company. (See Willetts, Paul G., assignor.)
Hartel, Walter, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,186,244; Jan. 9.
Hashimoto, Susumu, Osaka City, Japan. Suction device for gasoline engines. 2,186,673; Jan. 9.
Hasselstrom, Torsten, New York, N. Y. Manufacturing tall-oil-free pulp from southern pine. 2,186,295; Jan. 9.
Hatfield, William H., Sheffield, assignor to Thos. Firth & John Brown Limited, Sheffield, Yorkshire, England. High tensile alloy steel. 2,185,996; Jan. 9.
Haugh, Raymond R., assignor, by mesne assignments, to Kraft-Phenix Cheese Corporation, Chicago, Ill. Egg candling machine. 2,186,196; Jan. 9.
Haupt, Walter H., Ludlow, assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky. Diaphragm of the bucky type. 2,186,107; Jan. 9.
Hawley, Charles Gilbert, Chicago, Ill., assignor, by mesne assignments, to Downflow Syphon Company, Cleveland, Ohio. Thermic siphon and the like. 2,186,413; Jan. 9.
Hawley, Charles Gilbert, assignor to Downflow Syphon Company, Cleveland, Ohio. Cinder pulverizer. 2,186,414; Jan. 9.
Haworth, James P., Portland, Oreg. Pelleting machine. 2,186,415; Jan. 9.
Hazard, Charles S., New York, N. Y., assignor to Neptune Meter Company. Air release for liquid measuring systems. 2,186,069; Jan. 9.
Heidbrink, Jay A., Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Supplying to individual persons an oxygenated gas mixture. 2,185,997; Jan. 9.
Heinrich, Ernst. (See Zerweck, W., and Heinrich.)
Heller, Richard I., Los Angeles, Calif. Check marking device. 2,186,336; Jan. 9.
Hem, Halvor W., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,186,830; Jan. 9.
Hem, Halvor W., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Testing device. 2,186,831; Jan. 9.
Henderson, Kenneth L., Rochester, N. Y. Photography. 2,186,138; Jan. 9.
Henry, Earle G., Chicago, Ill. Exercising device for infants. 2,186,543; Jan. 9.
Herbert, Fred W. (See Hoglund, O. K., and Herbert.)
Hercules Powder Company. (See Boddicker, Floyd L., assignor.)
Hercules Powder Company. (See Gloor, Walter E., assignor.)
Hercules Powder Company. (See Nash, Henry E., assignor.)
Hertzberg Patents, Inc. (See Hertzberg, William, assignor.)
Hertzberg, William, assignor to Hertzberg Patents, Inc., New York, N. Y. Brush. 2,186,832; Jan. 9.
Herzberger, Maximilian J., assignor to Eastman Kodak Company, Rochester, N. Y. Optical system. 2,186,605; Jan. 9.
Heymer, Gerd, Wolfen, Kreis Bitterfeld, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Subtractive color film. 2,186,070; Jan. 9.
Higgins, Ralph, Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Capacitance potential device. 2,186,486; Jan. 9.
Highberg, George A. (See Sloan, H. E., and Highberg.)
Hild, Frederic W., Los Angeles, Calif. Safety casing head. 2,186,139; Jan. 9.
Hildebrand, Otto G., and E. H. Berger, Cleveland, Ohio. Adapter for electric fans. 2,186,674; Jan. 9.
Hildebrand, William R., Chicago, Ill. Air conditioning apparatus. 2,186,697; Jan. 9.
Hinck, Alfred J., Jr. (See Du Mont, A. B., and Hinck.)
Hines, Claude M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor control system. 2,186,785; Jan. 9.
Hirsch, Samuel, assignor to A. Mutscheller, New York, N. Y. X-ray tube. 2,186,380; Jan. 9.
Hirschmann, Winfred B. (See Bechtner, P., and Hirschmann.)
Hoeppner, Hellmuth, assignor to Maschinenfabrik Einsiedel, Einsiedel, near Chemnitz, Germany. Knitting machine. 2,186,197; Jan. 9.
Hoerbiger & Co. (See Kehler, Karl, assignor.)
Hoglund, Oswald K., and F. W. Herbert, Santa Paula, Calif., dedicated to the free use of the People of the United States. Providing plant containers. 2,186,912; Jan. 9.
Holloway, Edward R., Waukesha, Wis. Transmission. 2,186,108; Jan. 9.

Holloway, Robert M. (See Sieck, P. M., and Holloway.)
Holm, Melvin M., and W. H. Shiffler, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbons. 2,186,021; Jan. 9.
Holm, Melvin M., and W. H. Shiffler, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Process and catalyst for treating polymerizable substances. 2,186,022; Jan. 9.
Holophane Company. (See Rolph, Thomas W., assignor.)
Honold, Ernst. (See Nereshelmer, H., Honold, Stein, Schubert, and Anton.)
Hooper, Louis G., Sarepta, La., and V. I. Hooper, Gordon, Tex., assignors to The Bastian-Blessing Company, Chicago, Ill. Apparatus for removing condensate from pipelines. 2,186,923; Jan. 9.
Hooper, Virgil I. (See Hooper, L. G. and V. I.)
Hooper, Virgil I., Gordon, Tex., and L. G. Hooper, Sarepta, La., assignors to The Bastian-Blessing Company, Chicago, Ill. Handling fluids. 2,186,924; Jan. 9.
Hooper, Virgil I., Gordon, Tex., and L. G. Hooper, Sarepta, La., assignors to The Bastian-Blessing Company, Chicago, Ill. Valve. 2,186,925; Jan. 9.
Hopp, Leo, New York, N. Y. Price ticket protector. 2,186,698; Jan. 9.
Horak, Josef, Eisenerz, Germany. Drawing off blast furnace gases by suction in roasting, calcining, and drying furnaces. 2,186,675; Jan. 9.
Hornecker, George, Elmhurst, assignor to William W. Fitzhugh, Inc., Brooklyn, N. Y. Shipping display container. 2,186,071; Jan. 9.
Horton Manufacturing Company. (See Weathers, Warren F., assignor.)
Houdremont, Eduard. (See Schafmeister, P., and Houdremont.)
Houdry Process Corporation. (See Lassiat, Raymond C., assignor.)
Howe, Earl E., Royal Oak, Mich. Manufacturing ornamental articles. 2,186,381; Jan. 9.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,186,023; Jan. 9.
Hubbell, Allan C., Long Beach, Calif. Lock. 2,186,865; Jan. 9.
Huffman, Samuel A., Ben Avon, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Machine construction. 2,185,998; Jan. 9.
Hughes, James D., assignor to Oil Well Engineering Company, Houston, Tex. Straight hole bit. 2,186,725; Jan. 9.
Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Ratchet footage indicator for motion picture apparatus. 2,186,926; Jan. 9.
Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Film developing tank. 2,186,927; Jan. 9.
Hull, George E., and J. G. Christhilf, Baltimore, Md., assignors of one-half to Fred L. Hall, Bergen County, N. J. Vehicle velocity change testing. 2,186,676; Jan. 9.
Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton. 2,186,109; Jan. 9.
Humphreys, Frank, Klerksdorp, Union of South Africa. Goniometric device for determining the dip and strike of strata from bore-core. 2,186,677; Jan. 9.
Hünnebeck, Emil M., Dusseldorf, Germany. Space-closing supporting structure. 2,186,296; Jan. 9.
Hünnebeck, Emil, Dusseldorf, Germany. Space enclosing supporting structure. 2,186,297; Jan. 9.
Hurst, Hugh H., Sussex, N. J. Antiskid unit for tires. 2,186,528; Jan. 9.
Hussey, Philip W., North Berwick, Maine. Seat, footboard, and stringer structure. 2,186,866; Jan. 9.
Hutchinson, Charles W., Milwaukee, Wis. Log-rolling device. 2,186,606; Jan. 9.
Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 2,186,639; Jan. 9.
Huth, Walter H., assignor to Aurex Corporation, Chicago, Ill. Head phone. 2,186,072; Jan. 9.
Huttenwerke Siegerland Aktiengesellschaft. (See Klein, Hugo, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bayerl, Alfons, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hamprecht, Guenther, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kallmann, H., and Kuhn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Spitaler, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Koerding, assignor.)
Iler, George A., Melrose, assignor to The McAlear Manufacturing Company, Chicago, Ill. Valve. 2,186,024; Jan. 9.
Iler, George A., Riverside, Ill. Valve. 2,186,833; Jan. 9.
Imperial Chemical Industries Limited. (See Fawcett, E. W., and Burrows, assignors.)
Industrial Ceramic Products Inc. (See Orth, H. S., Oberst, and Cramer, assignors.)
Ingersoll Milling Machine Company. (See Kraus, Charles E., assignor.)
Ingleside Company, The. (See Slayter, G., and Collins, assignors.)
Institute of Paper Chemistry, The. (See Kress, Otto, assignor.)
Institute of Paper Chemistry, The. (See Rowland, Ben W., assignor.)
Interchemical Corporation. (See Giambalvo, Vito, assignor.)
Interchemical Corporation. (See Hargrave, John T., assignor.)
Interchemical Corporation. (See Mann, Carl P., assignor.)
International Standard Electric Corporation. (See Beale, Evelyn S. L., assignor.)
International Standard Electric Corporation. (See Gloess, Paul F. M., assignor.)
International Standard Electric Corporation. (See Perroux, Georges E. M., assignor.)
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Irwin Seating Company, The. (See La More, Harold C., assignor.)
Jackson, Adelbert J., Kalamazoo, Mich. Game apparatus. 2,186,337; Jan. 9.
Jackson, Arthur F. et al. (See Glasgow, Chester W., assignor.)
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Multiple pan set. 2,186,699; Jan. 9.
James, Henry D. (See Rugg, W. S., and James.)
Jandasek, Joseph, Cicero, Ill. Power transmission. 2,186,025; Jan. 9.
Jeffcock, John P., Surbiton, England. Radio receiving and direction finding apparatus. 2,186,867; Jan. 9.
Jensen, Arthur E., Anaheim, Calif. Power driven razor. 2,186,110; Jan. 9.
Jensen, Joseph W., assignor to Electric Household Utilities Corporation, Chicago, Ill. Washing machine. 2,186,786; Jan. 9.
Jensen, Joseph W., assignor to Electric Household Utilities Corporation, Chicago, Ill. Release for ironer shoe. 2,186,787; Jan. 9.
Jirka, Joseph F., and R. N. McCurdy, Cleveland, E. Slager, Garfield Heights, Ohio, and R. D. Ernest, Dearborn, Mich., assignors to The Powerlite Switchboard Company, Cleveland, Ohio. Safety switch mechanism. 2,186,640; Jan. 9.
Joachim, Herman L., San Francisco, Calif., assignor to Maui Agricultural Co. Ltd. Bleaching pulp. 2,186,487; Jan. 9.
Johnson, Albert A., Kew Gardens, N. Y. Railway car. 2,186,700; Jan. 9.
Johnson, Albert A., Kew Gardens, N. Y. Gravity unloading railway car. 2,186,701; Jan. 9.
Johnson, Edward E., assignor to Edward E. Johnson Incorporated, St. Paul, Minn. Making screens for use in connection with oil wells. 2,185,999; Jan. 9.
Johnson, Edward E., Incorporated. (See Johnson, Edward E., assignor.)
Johnson, Ogden, Bronxville, assignor to American Sealcone Corporation, New York, N. Y. Container and means for and method of making containers. 2,186,073; Jan. 9.
Johnston, George E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Knob securing means. 2,186,678; Jan. 9.
Johnston, Mordica O., and W. F. Bettis, Glendale, Calif.; said Bettis assignor to said Johnston. Regulating flow of fluid within a well. 2,186,488; Jan. 9.
Johnston, William, Jr., Wilkinsburg, Pa. Cinder pot bracket. 2,186,382; Jan. 9.
Jonas, Willi, Berlin-Neukolln, assignor of one-half to K. Gutmann, Berlin, Germany. Collapsible advertisement stand with letter balance. 2,186,913; Jan. 9.
Jones, George L., assignor of one-half to W. H. Caver, Rienzi, Miss. Plow stock. 2,186,416; Jan. 9.
Jones, Horace A., Parsons, Kans. Welding frame. 2,186,641; Jan. 9.
Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Sheet metal receptacle. 2,186,529; Jan. 9.
Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Covered top for desks and the like. 2,186,530; Jan. 9.
Jones, Lloyd B., Altoona, and R. T. Strattan, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive boiler superheater. 2,186,904; Jan. 9.
Jowers, Eddie R., Swansea, S. C. Insect exterminator. 2,186,868; Jan. 9.
Joyce, Bryan P., East Orange, N. J., assignor to American Armament Corporation, New York, N. Y. Aircraft armament. 2,186,026; Jan. 9.
Judge, William M., Lockport, and K. M. Butler, Medina, N. Y. Ceiling hanger. 2,186,607; Jan. 9.
Juffa, Wilhelm, Ilmenau, Germany. Perforated joint valve for glass instruments. 2,186,457; Jan. 9.
Jung, Reinhard. (See Martin, F., Jung, and Tramm.)
K-C-M Company. (See Mason, James O., assignor.)
Kahn, David, Inc. (See Kahn, David, assignor.)
Kahn, David, North Bergen, assignor to David Kahn, Inc., North Bergen Township, N. J. Mechanical pencil. 2,186,027; Jan. 9.
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Mechanical magazine pencil. 2,186,869; Jan. 9.
Kahn, David, assignor to David Kahn, Inc., North Bergen, N. J. Mechanical pencil. 2,186,870; Jan. 9.
Kaiser, Paul, Toledo, Ohio. Coating container 2,186,383; Jan. 9.

Kallmann, Hartmut, Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Ludwigshafen-on-the-Rhine, Germany. Photographic detection of slowly moving neutrons. 2,186,757; Jan. 9.

Kamen, Willard B., Chicago, Ill. Attaching clip. 2,186,586; Jan. 9.

Kämmel, Hugo E., Zella-Mehlis, assignor to Mercedes Buromaschinen-Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany. Typewriting-calculating machine or the like with total-taking mechanism. 2,186,642; Jan. 9.

Kaplan, Isadore, Chicago, Ill. Mirror and picture frame. 2,186,643; Jan. 9.

Kates, Franklin L., Mount Holly, N. J. Closure for collapsible tubes. 2,186,644; Jan. 9.

Katzinger, Edward Company, The. (See Jackson, Joseph G., assignor.)

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)

Kavanaugh, Joseph P., Seattle, Wash. Container. 2,186,111; Jan. 9.

Kay, Samuel S. (See Lowd, R. T., Jr., and Kay.)

Keen, Willie A., Goldfield, Iowa. Safety fuse device. 2,186,112; Jan. 9.

Kehler, Karl, assignor to the firm Hoerbiger & Co., Vienna, Austria. Automatic annular valve. 2,186,489; Jan. 9.

Keller, Emil. (See Bosbach, P., and Keller.)

Kelley-Koett Manufacturing Company, The. (See Haupt, Walter H., assignor.)

Kelley, Myron T. (See Martin, F. S., and Kelley.)

Kellogg Switchboard and Supply Company. (See Kiner, Glenn, assignor.)

Kelly, James M., Trafford, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical contact member. 2,186,245; Jan. 9.

Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)

Kendrick, Arthur B., East Orange, N. J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Elastic fabric. 2,186,531; Jan. 9.

Kendrick, James R., Co. (See Kendrick, Arthur B., assignor.)

Kestell, Thomas A. (See Gouldbourn, J., and Kestell.)

Keyes, Grafton H., assignor to Eastman Kodak Company, Rochester, N. Y. Methine dyes and the preparation thereof. 2,186,608; Jan. 9.

Kiersted, Wynkoop, Jr., Scarsdale, and L. P. Scoville, Flushing, assignors to The Texas Company, New York, N. Y. Solvent refining of hydrocarbon oil and recovery of the solvent. 2,186,208; Jan. 9.

Kilburg, James. (See Beede, S. M., Jr., and Kilburg.)

Kilby Manufacturing Company, The. (See Boyd, C. A., Kraft, and Ragborg, assignors.)

Kiner, Glenn, Park Ridge, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Communication system. 2,186,246; Jan. 9.

Kingsbury & Davis Machine Company. (See Straw, Clayton, assignor.)

Kinn, Theodore P., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Noise suppression circuits. 2,186,247; Jan. 9.

Klas, Harold W., Lansing, assignor to General Motors Corporation, Detroit, Mich. Auxiliary shutter. 2,186,299; Jan. 9.

Klein, Hugo, Niederschelden, assignor to Huttenwerke Siegerland Aktiengesellschaft, Siegen, Westphalia, Germany. Reducing material containing zinc in shaft furnaces. 2,186,645; Jan. 9.

Klein, Maximilian, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Internal siphon gauge. 2,186,871; Jan. 9.

Klein, Maximilian, assignor to United States Gauge Company, Sellersville, Pa. Steam gauge. 2,186,872; Jan. 9.

Kleinberg, Joseph H., Cincinnati, Ohio. Glider toy. 2,186,587; Jan. 9.

Knoblaugh, Armand F. (See Morse, A. H., and Knoblaugh.)

Koch, Henry C., assignor to A. Coburn, Chicago, Ill. Unwinding means for wire coils. 2,186,928; Jan. 9.

Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Frequency changer. 2,186,544; Jan. 9.

Koehring Company. (See Elgh, Stanley B., assignor.)

Koerding, Paul. (See Ulrich, H., and Koerding.)

Koethen, Frederick L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Refrigeration process. 2,186,028; Jan. 9.

Koller, Steven, Detroit, Mich. Magnetic work holder. 2,186,074; Jan. 9.

Koppers Company. (See Denig, Fred, assignor.)

Kothe, Heinz. (See Kröner, W., and Kothe.)

Kraft, Frederick B. (See Boyd, C. A., Kraft, and Ragborg.)

Kraft-Phenix Cheese Corporation. (See Haugh, Raymond R., assignor.)

Krambeer, Karl H., Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt-Berlin, Germany. Selective tuning. 2,186,702; Jan. 9.

Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Cutter. 2,186,417; Jan. 9.

Krause, Daniel E., assignor to Battelle Memorial Institute, Columbus, Ohio. Alloy steel tube. 2,186,758; Jan. 9.

Krause, Georg A., et al. (See Steinbacher, Friedrich, assignor.)

Kresge, Harry L., New York, N. Y. Electrical connection for electric signs. 2,186,703; Jan. 9.

Kress, Otto, Appleton, assignor to The Institute of Paper Chemistry, Neenah, Wis. Removing wax from waxed paper stock. 2,186,609; Jan. 9.

Kröner, Waldemar and H. Kothe, Berlin, Germany. Manufacturing dextrose-containing sugar products from carbohydrates by acid hydrolysis. 2,186,075; Jan. 9.

Krueger, Richard G. (See Allen, Paul E., assignor.)

Krumbach, Will, Highland Park, assignor to Adjustable Clamp Company, Chicago, Ill. Miter clamp. 2,186,198; Jan. 9.

Krupp Nirosta Company. (See Schafmeister, P., and Houdremont, assignors.)

Kuhn, Ernst. (See Kallmann, H., and Kuhn.)

Kumetat, Karl. (See Wilmanns, G., Kumetat, Fröhlich, Schneider, and Brodersen.)

Kuppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Schooling device for airplane pilots. 2,186,545; Jan. 9.

Kurtz, Leonard J., Cleveland, Ohio. Cleaner. 2,186,140; Jan. 9.

Laabs, Eric H., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. System of control for printing presses and other machinery. 2,186,113; Jan. 9.

La Chapelle, Euclid I., Brockton, Mass. Preparing prewelt shoe uppers. 2,186,141; Jan. 9.

Lade, Archibald C., Easthampton, assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Calender roll. 2,186,679; Jan. 9.

Ladwig, Alfred, Dusseldorf-Benrath, Germany, assignor by mesne assignments to Philadelphia Quartz Company, Philadelphia, Pa. Plaster mortar. 2,186,532; Jan. 9.

Lakin, John W., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Telltale device for an electrical coincidental door locking system. 2,186,546; Jan. 9.

Lamar, William P., Atlanta, Ga. Stand. 2,186,300; Jan. 9.

La More, Harold C., assignor to The Irwin Seating Company, Grand Rapids, Mich. Upholstered seat back structure. 2,186,301; Jan. 9.

La Monte, George, & Son. (See Simons, Francis L., assignor.)

Lange, Morris. (See Walter, V. F., and Lange.)

Lange, Morris, assignor to The Superior Funeral Supply Company, Cleveland, Ohio. Curtain support. 2,186,533; Jan. 9.

Lapointe, Donald H., assignor to The Miller Company, Meriden, Conn. Liquid fuel supply mechanism for oil stoves. 2,186,726; Jan. 9.

Larsen, Carl B., assignor to J. I. Case Company, Racine, Wis. Antiskid device. 2,186,759; Jan. 9.

Lassiat, Raymond C., Swathmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Recovery of gasoline. 2,186,029; Jan. 9.

Laubenstein, George, Madison, assignor to The J. E. Mergott Company, Newark, N. J. Locking means for ladies' handbags and the like. 2,186,905; Jan. 9.

Laucks, I. F., Inc. (See Dike, Theodore W., assignor.)

Lavergne, Jean, assignor to "Autocalor", Société Anonyme, Paris, France. Vacuum heating system. 2,186,680; Jan. 9.

Lawrenson, Anthony. (See Hargreaves, E. S., Clements, Brown, and Lawrenson.)

Lawson, Albert R., assignor to Appleford Paper Products, Ltd., Hamilton, Ontario, Canada. Triplicate manifolding book. 2,186,547; Jan. 9.

Lazar, Arthur, Associated, assignor, by mesne assignments to Tide Water Associated Oil Company, San Francisco, Calif. Emulsifiable substitute resin oils. 2,186,248; Jan. 9.

Lazar, Arthur, Berkeley, and L. S. Galstaun, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Recovering organic acids. 2,186,249; Jan. 9.

Leavitt, Roger P., and J. S. Beggs, assignors to Eastman Kodak Company, Rochester, N. Y. Lens hood. 2,186,610; Jan. 9.

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., and W. L., assignors.)

Lebus, William A. (See Polko, P. P., and Lebus.)

Leclanché, S. A. (See Rossetti, Carlo, assignor.)

Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)

Le Fevre, Walter J. (See Britton, E. C., Marshall, and Le Fevre.)

Lehman, Louis H., Philadelphia, Pa. Door frame and the like. 2,186,458; Jan. 9.

Leich Electric Co. (See Reid, Alexander C., assignor.)

Leitz, Ernst, G. m. b. H. (See Becker, H., Broschke, and Singer, assignors.)

Lenehan, Bernard E., and G. W. Rosenberger, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Time switch actuating device. 2,186,250; Jan. 9.

Lenk, David A., Newton, Assignor to The Lenk Mfg. Co., Newton Lower Falls, Mass. Blow torch. 2,186,760; Jan. 9.

Lenk Mfg. Co., The. (See Lenk, David A., assignor.)

Lenning, Alvar, Stockholm, Sweden, assignor by mesne assignments to Servel, Inc., New York, N. Y. Refrigerator. 2,186,805; Jan. 9.

Leonard, Joseph E., and C. T. Hammons, Berkeley, assignors to Hammer-Bray Company, Ltd., Oakland, Calif. Gas burner. 2,186,588; Jan. 9.

Lester Engineering Company, The. (See Lester, Nathan, assignor.)

Lester, George C., Buffalo, N. Y. Mail bag. 2,186,384; Jan. 9.

Lester, Nathan, Cleveland Heights, assignor to The Lester Engineering Company, Cleveland, Ohio. Toggle link. 2,186,030; Jan. 9.

Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Thread controller. 2,186,534; Jan. 9.

Levy, Austin T. (See Estes, Joseph C., assignor.)

Levy, Austin T. (See Patterson, Howard T., assignor.)

Levy, Austin T. (See Thompson, Marcus, assignor.)

Levy, Austin T., Harrisville, R. I. Prefabricated building. 2,186,459; Jan. 9.

Lieberman, Harry L., Chicago, Ill. Furniture. 2,186,142; Jan. 9.

Liebmann, Oscar, Bergenfield, N. J., assignor to Q. O. S. Corporation, New York, N. Y. Range finder. 2,186,806; Jan. 9.

Lilly, Eli, and Company. (See Fortune, William B., assignor.)

Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)

Lincoln, Bert H., and W. L. Steiner, assignors to Continental Oil Company, Ponca City, Okla. Sulphurized oil. 2,186,646; Jan. 9.

Linde Air Products Company, The. (See Bucknam, James H., assignor.)

Linde, Hans, and A. Soller, Michigan City, Ind. Calibration adjusting means. 2,186,553; Jan. 9.

Lindberg, Folke, Chicago, Ill. Massaging device. 2,186,114; Jan. 9.

Lindgren, Ralph M. (See Chapman, A. D., and Lindgren.)

Lindstrom, Ture, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,186,251; Jan. 9.

Liquid Carbonic Corporation, The. (See Greiner, Clement F., assignor.)

Little, Donald G., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Communication system. 2,186,252; Jan. 9.

Little, Royal, Providence, F. W. Fraim, Cranston, R. I., and J. F. Tholl, Needham, Mass., assignors to Atlantic Rayon Corporation, Providence, R. I. Centrifugal extractor. 2,186,704; Jan. 9.

Lockart, Andrew, Montreal, Quebec, Canada. Emergency lock for revolving doors. 2,186,385; Jan. 9.

Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)

Loleit, Hans. (See Schneider, W., and Loleit.)

Loonam, Alfred C. (See Gleason, G. H., and Loonam.)

Lorenz, Anton, Berlin, Germany, Elastic support for pieces of furniture. 2,186,705; Jan. 9.

Lotz, Rudolph W., assignor to Nachman-Springfilled Corporation, Chicago, Ill. Spring assembly for upholstery. 2,186,548; Jan. 9.

Lovell, Stanley P., Newton Center, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoe stiffener blank and making the same. 2,186,589; Jan. 9.

Lowd, Robert T., Jr., and S. S. Kay, Miami, Fla. Glass welding apparatus. 2,186,647; Jan. 9.

Lowell, John O., Kirkwood, Mo. Archery set. 2,186,386; Jan. 9.

Luban, William C., Tampa, Fla. Preserving fruit peels and rinds. 2,186,549; Jan. 9.

Ludwig, Walter, assignor of one-half to the firm of Ostpreussen-werk Aktiengesellschaft, Konigsberg, Germany. Impregnating stakes, posts, poles, and the like. 2,186,648; Jan. 9.

Lyman, Arthur L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbons. 2,186,031; Jan. 9.

Lyon, George A., Allenhurst, N. J. Ornamental accessory for wheels. 2,186,550; Jan. 9.

Lyon, George A., Allenhurst, N. J. Exhaust pipe extension. 2,186,551; Jan. 9.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to Oxweld Acetylene Company. Filler material for welding. 2,186,115; Jan. 9.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to Oxweld Acetylene Company. Welding alloy. 2,186,116; Jan. 9.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to Oxweld Acetylene Company. Filler material for welding. 2,186,117; Jan. 9.

MacGeorge, Thomas H., assignor to Seattle Tent & Awning Co., Seattle, Wash. Pyramid-type hatch tent. 2,186,535; Jan. 9.

Mackintosh-Hemphill Company. (See Daniels, Fred C. T., assignor.)

MacKnight, John D. (See Handling, A. I., and MacKnight.)

Madison, Harry R., Seattle, Wash. Apparatus for impregnating logs. 2,186,118; Jan. 9.

Maechtlen, Lawrence G. (See Pengilly, J. H., Moyen, Duvall, and Maechtlen.)

Magnaflux Corporation. (See Ellis, Greer, assignor.)

Magni, Karl G., Hellebo, Ronninge, Sweden, assignor to De Laval Separator Company, New York, N. Y. Milking-machine pulsator. 2,186,253; Jan. 9.

Mahnke, Kurt, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multispeed motor control. 2,186,254; Jan. 9.

Maier, Albert, Friedrichshafen, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany. Shift mechanism for motor vehicle transmissions. 2,186,536; Jan. 9.

Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,186,834; Jan. 9.

Maine, James F., assignor to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Load transferring machinery. 2,186,463; Jan. 9.

Malek, Morris S., Ridgefield, N. J. Tie fabrication apparatus. 2,186,552; Jan. 9.

Malkin, Bernard A., assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Paper making machine. 2,186,761; Jan. 9.

Mallory, P. R., & Co. (See Hall, Arthur, assignor.)

Mamoli, Luigi, Berlin-Lichterfelde, Germany, assignor to Schering Corporation, Bloomfield, N. J. Biochemical hydrogenation of phenanthrenes. 2,186,906; Jan. 9.

Mandaville, Gurney L., Fort Pierce, Fla. Mechanical stereoscopic training device. 2,186,418; Jan. 9.

Mann, Alan N. (See Griffin, Dana A., assignor.)

Mann, Carl P., Riverton, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Method and apparatus for setting printing ink. 2,186,032; Jan. 9.

Mansfield, George F., Pascagoula, Miss. Automatic adjustable shade apparatus. 2,186,873; Jan. 9.

Markia Corporation. (See Goldmark, Peter C., assignor.)

Marshall, Harry B. (See Britton, E. C., Marshall, and Le Fevre.)

Martens, Albert. (See Fockler, T. C., and Martens.)

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller balancing means. 2,186,199; Jan. 9.

Martin, Frank S., Ames, Iowa, and M. T. Kelley, St. Louis, Mo., assignors to Precision Scientific Company, Chicago, Ill. Testing apparatus. 2,186,727; Jan. 9.

Martin, Friedrich, Oberhausen, R. Jung, Oberhausen-Sterkrade, and H. Tramm, Oberhausen-Holten, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Heat treating gases. 2,186,590; Jan. 9.

Martin, James W., Yonkers, N. Y. Vending machine for frozen confections and vending belt therefor. 2,186,302; Jan. 9.

Martin, Lawrence R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,186,611; Jan. 9.

Martinka, Michael, Duisburg, Germany. Combustion engine and the operation thereof. 2,186,706; Jan. 9.

Marvin, Stanley, San Francisco, assignor to B. E. Witkin, Oakland, Calif. Laundry press. 2,186,490; Jan. 9.

Maschinenfabrik Einsiedel. (See Hoeppner, Heilmuth, assignor.)

Mason, James O., Chillicothe, assignor, by mesne assignments, to K-C-M Company, Dayton, Ohio. Paper manufacture. 2,186,874; Jan. 9.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of mercaptothiazoles. 2,186,419; Jan. 9.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of mercaptothiazoles. 2,186,420; Jan. 9.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of mercaptothiazoles. 2,186,421; Jan. 9.

Matthews, Duke C., Taylor, Tex. Well bore treatment. 2,186,875; Jan. 9.

Matthews, Walter I., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity antenna. 2,186,422; Jan. 9.

Matuszak, Maryan P. (See Frey, F. E., Matuszak, and Snow.)

Mauersberger, Ernst A., Maarssen, near Utrecht, Netherlands, assignor to Alframine Corporation, New York, N. Y. Condensation product and preparing same. 2,186,464; Jan. 9.

Maui Agricultural Co. Ltd. (See Joachim, Herman L., assignor.)

McAdam, Ralph E. (See Green, C. H., and McAdam.)

McAlear Manufacturing Company, The. (See Iler, George A., assignor.)

McCabe, Raleigh, Chicago, Ill. Waist restrainer. 2,186,255; Jan. 9.

McCann, Michael, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling mechanism for sewing machines. 2,186,762; Jan. 9.

McCauley, John J., Chicago, Ill. Foam removing utensil and strainer. 2,186,835; Jan. 9.

McClain, John, Chicago, Ill. Illuminating device. 2,186,200; Jan. 9.

McClain, Leslie, Oklahoma City, Okla. Weighing scale. 2,186,256; Jan. 9.

McCoy, Rush O., Berwyn, Ill., assignor to Corn Products Refining Company, New York, N. Y. Steeping corn in the production of starch. 2,186,303; Jan. 9.

McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crystalline boric oxide. 2,186,257; Jan. 9.
McCurdy, Ralph N. (See Jirka, J. F., McCurdy, Slager, and Ernest.)
McDonald, Elmer W., Tustin, Mich. Road signal. 2,186,258; Jan. 9.
McFarland, Samuel E., Los Angeles, Calif. Track signal control system. 2,186,201; Jan. 9.
McGary, Burns T. (See Ewald, G., and McGary.)
McGavack, John, Leonia, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Preservation of latex. 2,186,202; Jan. 9.
McGlaughlin, John P., Crugers, N. Y. Process and apparatus for treating materials in centrifugals. 2,186,836; Jan. 9.
McGraw Electric Company. (See Scharf, Frank W., assignor.)
McMackin, Robert E., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Connecting means for sectional poles. 2,186,763; Jan. 9.
McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Fan. 2,186,837; Jan. 9.
McNeil, Joseph R., Rochester, N. Y. Internal combustion engine. 2,186,259; Jan. 9.
McWane, Henry E., Lynchburg, Va. Casting apparatus. 2,186,260; Jan. 9.
Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Printing cylinder. 2,186,764; Jan. 9.
Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)
Menardi, Harold B., Los Angeles, Calif. Production of mercury from ores. 2,186,876; Jan. 9.
Mercedes Buromaschinen-Werke Aktiengesellschaft. (See Kämmel, Hugo E., assignor.)
Merco Centrifugal Separator Co. (See Peltzer, Albert, and A., Jr., assignors.)
Mergott, J. E., Company, The. (See Laubenstein, George, assignor.)
Merz, Alfred. (See Räntsch, K., Bertele, and Merz.)
Messing, Joseph A. (See Frank, H. J. L., and Messing.)
Metal Homes, Inc. (See von Hoefen, Walter, assignor.)
Metcalf, Frederick T., Blackley, Manchester, England. Treatment of fibrous materials to make them resistant to mildew. 2,186,739; Jan. 9.
Metcalf, Herbert E., Walnut Creek, assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif. Frictionally driven switch. 2,186,765; Jan. 9.
Metcalf, Herbert E., Walnut Creek, assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif. Vehicle signal circuit. 2,186,766; Jan. 9.
Metzger, Paul, Basel, Switzerland, assignor to Trubenizing Process Corporation, New York, N. Y. Collar and like article of apparel. 2,186,387; Jan. 9.
Meyer, Lyle H., Washington, D. C. Golf bag. 2,186,491; Jan. 9.
Meylach, Louis, and L. M. Page, New York, N. Y. Hat lining attaching machine. 2,186,261; Jan. 9.
Michigan Steel Tube Products Company. (See Berg, Richard O. and S., assignors.)
Michigan Steel Tube Products Co. (See Berg, Richard O. S., and F., assignors.)
Micro Products Corporation. (See Vogt, Hans, assignor.)
Midland Steel Products Company, The. (See Rylander, Andrew E., assignor.)
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture magazine and camera therefor. 2,186,612; Jan. 9.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 2,186,613; Jan. 9.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Multispeed shutter and control therefor. 2,186,614; Jan. 9.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Combined view and range finder. 2,186,615; Jan. 9.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,186,616; Jan. 9.
Miller Company, The. (See Lapointe, Donald H., assignor.)
Miller, David. (See Thiberg, George, assignor.)
Miller, Frank P., Meadville, Pa. Cutting tool. 2,186,423; Jan. 9.
Miller, Joseph C. (See Baker, Harry R., assignor.)
Miller, Milo F., Kansas City, Mo. Combined trip record and map. 2,186,204; Jan. 9.
Miller Printing Machinery Co. (See Huffman, Samuel A., assignor.)
Miller, Roy W., Barberton, Ohio. Game apparatus. 2,186,465; Jan. 9.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Metallic container. 2,186,338; Jan. 9.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Company, Rockford, Ill. Closure cap and the like and making same. 2,186,728; Jan. 9.
Millspaugh, William H., assignor to Sandusky Foundry and Machine Co., Sandusky, Ohio. Paper making machine. 2,186,171; Jan. 9.
Milton, John L., Louisville, Ky. Method and apparatus for treating fluids and solids. 2,186,033; Jan. 9.
Minnesota Mining & Manufacturing Company. (See Bartling, Howard G., assignor.)
Missouri Rolling Mill Corporation. (See Bauer, Carl, assignor.)
Mitchell, Allister S., C. J. Davies, and H. M. Ratley, assignors to National Automotive Fibres, Inc., Detroit, Mich. Apparatus and method for manufacturing upholstery trim panels. 2,186,838; Jan. 9.
Mitchell, James A., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition and preparing same. 2,186,262; Jan. 9.
Moe, Mathias, assignor of one-half to C. D. Ballard, Chicago, Ill. Garment hanger. 2,186,076; Jan. 9.
Moen, Clarence, Spokane, Wash. Ladder. 2,186,119; Jan. 9.
Moertel, Henry, Chicago, Ill. Musical instrument. 2,186,424; Jan. 9.
Molitor, Arvid A., Danvers, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening inserting machine. 2,186,172; Jan. 9.
Monitor Process Corporation. (See Tamminga, William, assignor.)
Monroe, Mattie, Los Gatos, Calif. Fireplace construction. 2,186,649; Jan. 9.
Moore, Garnett V. (See Coleman, G. H., Moore, and Stratton.)
Moore, Harry W., Dayton, Ohio. Dynamic balancing apparatus. 2,186,339; Jan. 9.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Pin stem catch or joint. 2,186,681; Jan. 9.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Making a pin stem catch or joint. 2,186,682; Jan. 9.
Morgan Engineering Company, The. (See Ditges, William L., assignor.)
Morgan, Willard L. (See Wilcox, Robert L., assignor.)
Morgenstern, Charles E., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Centrifugal clothes drier. 2,186,263; Jan. 9.
Moritz, B. E., Instrument Company. (See Moritz, Burt E., Jr., assignor.)
Moritz, Burt E., Jr., assignor to B. E. Moritz Instrument Company, Denver, Colo. Multicontrol oscillograph system. 2,186,388; Jan. 9.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe machine. 2,186,592; Jan. 9.
Morse, Arthur H., and A. F. Knoblaugh, assignors to The Baldwin Company, Cincinnati, Ohio. Piano. 2,186,466; Jan. 9.
Moser, Franz R., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Removing naphthenic acids from hydrocarbon oils. 2,186,425; Jan. 9.
Motor Improvements, Inc. (See Williams, Lewis W., assignor.)
Motor Wheel Corporation. (See Valjean, Ben, assignor.)
Moyen, John G. (See Pengilly, J. H., Moyen, Duvall, and Maechtlen.)
Mueller, George A., University City, Mo. Necktie. 2,186,591; Jan. 9.
Mueller, Louis A., assignor to The Springfield Leather Products Company, Springfield, Ohio. Billfold. 2,186,650; Jan. 9.
Müller, Konrad, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Electromagnetic relay. 2,186,340; Jan. 9.
Murdock, Harold R., assignor to The Champion Paper and Fibre Company, Canton, N. C. Pulp bleaching and refining process. 2,186,034; Jan. 9.
Mutscheller, Arthur. (See Hirsch, Samuel, assignor.)
N. V. "Stroomlyn" Tot Exploitatie van Octrooien. (See Dekker, Adriaan J., assignor.)
Nachman-Springfilled Corporation. (See Lotis, Rudolph W., assignor.)
Nachtwey, Edward J., Green Bay, Wis. Hydraulic brake. 2,186,264; Jan. 9.
Namur, Carl A., and C. M. Anderson, assignors to Specialty Brass Company, Kenosha, Wis. Bottle filler and capper apparatus. 2,186,651; Jan. 9.
Nash, Henry E., assignor to Hercules Powder Company, Wilmington, Del. Electric blasting cap. 2,186,426; Jan. 9.
Nash, Henry E., assignor to Hercules Powder Company, Wilmington, Del. Electric blasting cap. 2,186,427; Jan. 9.
Nash-Kelvinator Corporation. (See Erbach, Frederick R., assignor.)
National Automotive Fibres, Inc. (See Mitchell, A. S., Davies, and Ratley, assignors.)
National Electric Products Corporation. (See Phillips, George E., assignor.)
National Processes, Limited. (See Carter, William J. assignor.)
National Sling Rejectors, Inc. (See Fry, B. W., and Gottfried, assignors.)
National Television Corporation. (See Tubbs, Ernest A., assignor.)
National Tinsel Mfg. Co. (See Crosser, David H., assignor.)
Nelson, Fred, et al. (See Weeks, Lloyd W., assignor.)

Neptune Meter Company. (See Hazard, Charles S., assignor.)
Nereshelmer, Heinrich, Ludwigshafen-on-the-Rhine, E. Honold, Frankfort-on-the-Main, B. Stein, Ludwigshafen-on-the-Rhine, M. Schubert, Frankfort-on-the-Main, and E. Anton, Ludwigshafen-on-the-Rhie, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs and their leuco esters. 2,186,389; Jan. 9.
Nessler, Aldo E. (See Hampton, W. O., Nessler, and Wenz.)
Neuberger, Lester, assignor to Ward Baking Company, New York, N. Y. (Toasting bread. 2,186,807; Jan. 9.
Neugass, Edwin A., New York, N. Y. Illuminator. 2,186,143; Jan. 9.
Newhouse, Carl J., et al. (See Scheel, Wilhalm F., assignor.)
Niagara Duplicator Co. (See Nigra, Ferdinand, assignor.)
Nicholson, Natalie Pearson, executrix. (See Auger, H., and Pearson.)
Nigra, Ferdinand, assignor to Niagara Duplicator Co., San Francisco, Calif. Impression roller control. 2,186,341; Jan. 9.
Niles, William E., Kansas City, Mo. Method of and apparatus for flowing wells. 2,186,035; Jan. 9.
Nineteen Hundred Corporation. (See Morgenstern, Charles E., assignor.)
Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Heat exchanger. 2,186,877; Jan. 9.
Noma Electric Corporation. (See Wolf, Abraham, assignor.)
Normington, James B. (See Dickey, J. B., and Normington.)
North and Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Norton, Charles W., West Orange, N. J., assignor to Brunsviga Maschinenwerke, Grimme Natalis & Co. A. G., Brunswick, Germany. Calculating machine. 2,186,265; Jan. 9.
Noyes, Harold E., Gossville, N. H. Heat transfer device. 2,186,077; Jan. 9.
Nyland, Edward R., assignor to General Motors Corporation, Detroit, Mich. Gear lapping machine. 2,186,304; Jan. 9.
Oakite Products, Inc. (See Dodd, Sidney R., assignor.)
Oberst, Clair R. (See Orth, H. S., Oberst, and Cramer.)
O'Donnell Rubber Products Company, The. (See Groh, Edward H., assignor.)
Ohio Brass Company, The. (See Higgins, Ralph, assignor.)
Ohio Chemical and Manufacturing Company, The. (See Heidbrink, Jay A., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Oil Well Engineering Company. (See Hughes, James D., assignors.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Okonite-Callender Cable Company, The. (See Bennett, Charles E., assignor.)
Okonite Company, The. (See Youmans, Edward D., assignor.)
Olson, John W., Hastings on Hudson, assignor to Anaconda Wire and Cable Company, New York, N. Y. Electric conductor. 2,186,788; Jan. 9.
Onions, John H., Leamington Spa, England. Shock absorber for aircraft. 2,186,266; Jan. 9.
Oppermann, Charles F. (See Booge, J. E., and Oppermann.)
Ordman, Julius L., Lemont, Ill. Slicing machine. 2,186,878; Jan. 9.
Orr, Glenn H., assignor to The General Tire & Rubber Company, Akron, Ohio. Flexible coupling. 2,186,305; Jan. 9.
Orth, Howard S., C. R. Oberst, and W. E. Cramer, assignors to Industrial Ceramic Products Inc., Columbus, Ohio. Vibratory aligner. 2,186,652; Jan. 9.
Oser, Bernard L., Forrest Hills, N. Y. Sanitary multiple housing for small animals. 2,186,120; Jan. 9.
Osterholm, Gustave R., Hartford, Conn. Tube closure. 2,186,879; Jan. 9.
Ostpreussen-werk Aktiengesellschaft. (See Ludwig, Walter, assignor.)
Othmer, Donald F., Brooklyn, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Separating chemical compounds. 2,186,617; Jan. 9.
Overgard, William M., Salem, Oreg. Sanitary drinking cup. 2,186,880; Jan. 9.
Overton, Glen, and L. S. Overton, Kalamazoo, Mich.; said L. S. Overton assignor to said G. Overton. Making a dried citrus fruit food product. 2,186,907; Jan. 9.
Overton, Lyle S. (See Overton, Glen, and L. S.)
Owens Smokeless Orchard Heater, Incorporated. (See Owens, Walter W., assignor.)
Owens, Walter W., Glendale, assignor to Owens Smokeless Orchard Heater, Incorporated, Hollywood, Calif. Heater. 2,186,173; Jan. 9.
Oxweld Acetylene Company. (See Aronson, Peter R., assignor.)
Oxweld Acetylene Company. (See Lytle, Arthur R., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Page, Harold D., Bronxville, assignor to Waugh Equipment Company, New York, N. Y. Cushioning mechanism. 2,186,267; Jan. 9.
Page, Leslie M. (See Meylach, L., and Page.)
Page, Robert C. (See Tullar, P. E., and Page.)
Page, Robert C., Mount Vernon, and P. E. Tullar, Tuckahoe, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Air filtering stopper. 2,186,908; Jan. 9.
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,186,492; Jan. 9.
Pakala, William E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Recording oscillographic apparatus. 2,186,268; Jan. 9.
Parks-Cramer Company. (See Simon, Herman F., assignor.)
Parsons, John A., Bainbridge, N. Y. Molding casein and similar plastics. 2,186,881; Jan. 9.
Patten, George W., Minneapolis, Minn. Plant labeling device. 2,186,428; Jan. 9.
Patterson, Howard T., Woonsocket, assignor to Austin T. Levy, Harrisville, R. I. Prefabricated building. 2,186,462; Jan. 9.
Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Tractor. 2,186,306; Jan. 9.
Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Printing apparatus. 2,186,144; Jan. 9.
Peachey, Homer D., Lewiston, Pa. Traction apparatus. 2,186,036; Jan. 9.
Pearsall, Albert E. (See Predmore, Harvey H., assignor.)
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Forming glass bottles, jars, and the like. 2,186,174; Jan. 9.
Pearson, Ward E. (See Auger, H., and Pearson.)
Peck, George W., New River, Tenn. Sawmill carriage offset. 2,186,493; Jan. 9.
Peerless Brands, Inc. (See Price, Jehu, assignor.)
Pelphrey, Harry, Detroit, Mich. Mechanism for lubricating worm gears. 2,186,269; Jan. 9.
Peltzer, Albert, and A. Peltzer, Jr., Palo Alto, assignors to Merco Centrifugal Separator Co. Ltd., San Francisco, Calif. Process applicable to starch manufacture. 2,186,037; Jan. 9.
Peltzer, Albert, Jr. (See Peltzer, Albert, and A., Jr.)
Pengilly, Joseph H., Los Angeles, J. G. Moyen, Glendale, H. A. Duvall, Los Angeles, L. G. Maechtlen, Beverly Hills, Calif., assignors to Square D Company, Detroit, Mich. Magnetic switch. 2,186,342; Jan. 9.
Pennsylvania Crusher Company. (See Stine, James E., assignor.)
Pennsylvania Railroad Company, The. (See Gleason, Joseph P., assignor.)
Pennsylvania Railroad Company, The. (See Jones, L. B., and Strattan, assignors.)
Penote, Vincent S., Euclid, Ohio. Clutch-operating mechanism. 2,186,653; Jan. 9.
Penticoff, Merritt C. (See Polko, P. P., and Lebus, assignors.)
People of the United States of America, Dedicated to the free use of the. (See Hoglund, O. K., and Herbert.)
People of the United States of America, Dedicated to the free use of the. (See Thompson, Clifford J., assignor.)
Perham, Deane E., Chicago, Ill. Air conditioning apparatus. 2,186,145; Jan. 9.
Perkins, B. F., & Son, Inc. (See Getchell, Raymond E., assignor.)
Perkins, B. F., & Son, Inc. (See Lade, Archibald C., assignor.)
Perkins, B. F., & Sons, Inc. (See Senna, Samuel N., assignor.)
Perrelli, Joseph, Richmond, and R. H. Smilie, Berkeley, Calif. Peach pitter. 2,186,467; Jan. 9.
Perroux, Georges E. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Altitude guiding system for airplanes. 2,186,554; Jan. 9.
Perry, George S., assignor of one-half to Walter Williams, Du Pont, Ga. Tree scarring device. 2,186,654; Jan. 9.
Persson, Eric S., Malmo, Sweden. Window having coupled sashes. 2,186,270; Jan. 9.
Peters, Melville F., Riverdale, Md. Thermal protection for shielded ignition systems. 2,186,038; Jan. 9.
Peters, Melville F., and A. V. Astin, Washington, D. C. Radio shielded spark plug. 2,186,039; Jan. 9.
Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Cutting oil. 2,186,271; Jan. 9.
Pfleger, George T., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Submersible electric motor. 2,186,494; Jan. 9.
Phelps, Burton W. (See Clark, R. R., and Phelps.)
Philadelphia Quartz Company. (See Ladwig, Alfred, assignor.)
Phillips, Harlow D., assignor to Eastman Kodak Company, Rochester, N. Y. Lamp house construction. 2,186,618; Jan. 9.
Phillips, George E., Leetsdale, assignor to National Electric Products Corporation, Pittsburgh, Pa. Marking electrical conductors. 2,186,555; Jan. 9.
Phillips Petroleum Company. (See Frey, F. E., Matuszak, and Snow, assignors.)
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)

Pierson, Benjamin J., Johnstown, N. Y., assignor, by mesne assignments, to Formrite Bacon Press Corporation, Colonie, N. Y. Attachment for presses. 2,186,495; Jan. 9.

Piken, Samuel S., Bayonne, N. J. Paper cup dispenser. 2,186,205; Jan. 9.

Pilkington, David K., Sunbury-on-Thames, England, assignor, by mesne assignments, to R. L. Woodhouse, Melbourne, Victoria, Australia. Power transmission device. 2,186,808; Jan. 9.

Pindek, Abraham, Brooklyn, N. Y. Locking slide for fastening devices. 2,186,809; Jan. 9.

Plaskon Company. (See Cordier, David E., assignor.)

Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Finishing fabric. 2,186,121; Jan. 9.

Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation. Side band suppression system. 2,186,146; Jan. 9.

Plumstead, Joseph E., Elkton, Md., assignor, by mesne assignments, to Raffold Process Corporation, Andover, Mass. Composition of matter and preparing the same. 2,186,040; Jan. 9.

Pneumatic Scale Corporation. (See Hultin, Oscar H., assignor.)

Pneumatic Scale Corporation. (See Yates, John, assignor.)

Polko, Peter P., Lyons, and W. A. Lebus, Chicago, assignors to Merritt C. Penticoff, Evanston, Ill. Fluid meter. 2,186,307; Jan. 9.

Pollock, Ralph C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oxidized wax and producing same. 2,186,909; Jan. 9.

Pollock, Ralph C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oxidized wax and producing same. 2,186,910; Jan. 9.

Posey, Victor C., Santa Barbara, Calif. Liquid separating device for containers. 2,186,041; Jan. 9.

Posner, Charles, Pasadena, Calif., assignor to W. A. Arnesen, Flushing, N. Y. Miniature darkroom device for ophthalmoscopes. 2,186,206; Jan. 9.

Postal Telegraph-Cable Company (New York). (See Vernam, Gilbert S., assignor.)

Postlewaite, William R. (See Bryan, L., and Postlewaite.)

Potts, William F., Fort Worth, Tex. Retainer for paper bags. 2,186,343; Jan. 9.

Powerlite Switchboard Company, The. (See Jirka, J. F., McCurdy, Slager, and Ernest, assignors.)

Precision Scientific Company. (See Martin, F. S., and Kelley, assignors.)

Predmore, Harvey H., Portland, Oreg., assignor to Albert Edward Pearsall, Vancouver, British Columbia, Canada. Auxiliary printing attachment for printing presses. 2,186,042; Jan. 9.

Price, Jehu, assignor, by mesne assignments, to Peerless Brands, Inc., Philadelphia, Pa. Doughnut-making machine. 2,186,767; Jan. 9.

Price, Nathan C., assignor to Boeing Aircraft Company, Seattle, Wash. Oil-air separator. 2,186,344; Jan. 9.

Prince, John L., Birmingham, Ala. Amusement device. 2,186,175; Jan. 9.

Pucher, Leo E., assignor to Willard Storage Battery Company, Cleveland, Ohio. Cover lock for storage batteries. 2,186,147; Jan. 9.

Pugh, John, Pennington Gap, assignor of forty-nine per cent to E. P. Smyth, St. Charles, Va. Safety device for mine cars. 2,186,390; Jan. 9.

Pulitzer, Samuel C., New Orleans, La. Necktie packing means. 2,186,391; Jan. 9.

Pusinelli, Eric. (See Serr, William F., assignor.)

Q. O. S. Corporation. (See Liebmann, Oscar, assignor.)

Quaedvlieg, Matthias. (See Brodersen K., and Quaedvlieg.)

Radio Corporation of America. (See Finch, James L., assignor.)

Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Matthews, Walter I., assignor.)

Radio Corporation of America. (See Stocker, A. C., Schrader, and Robins, assignors.)

Radio Patents Corporation. (See Dalpayrat, Henri F., assignor.)

Radio Patents Corporation. (See Plebanski, Jozef, assignor.)

Radio Corporation of America. (See Reid, John D., assignor.)

Raffold Process Corporation. (See Plumstead, Joseph E., assignor.)

Ragborg, Peter. (See Boyd, C. A., Kraft, and Ragborg.)

Rampacher, Fritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating transformer. 2,186,207; Jan. 9.

Rand, James H., Jr., Stamford, Conn., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Inner cutter detaching device for dry shavers. 2,186,122; Jan. 9.

Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,186,148; Jan. 9.

Raney, Robert M., Euclid, and F. Altmayer, assignors to Willard Storage Battery Company, Cleveland, Ohio. Terminal post seal for batteries. 2,186,140; Jan. 9.

Räntsch, Kurt, Jena, and L. Bertele, H. Sauer, and A. Merz, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Illuminating system. 2,186,123; Jan. 9.

Rash, John W., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated structure and making the same. 2,186,124; Jan. 9.

Ratley, Harold M. (See Mitchell, A. S., Davies, and Ratley.)

Rawls, Vaughn. (See Rawls, Walter G., and V.)

Rawls, Walter G., and V. Rawls, Lima, Ohio. Tire retreading machine. 2,186,882; Jan. 9.

Ray, William A., Glendale, Calif. Thermocouple structure. 2,186,707; Jan. 9.

Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Article of hardware. 2,186,683; Jan. 9.

Rea, Wilton T., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative repeater. 2,186,150; Jan. 9.

Reece Button Hole Machine Company, The. (See Avis, Samuel W., assignor.)

Rehn, Edward H. and L. E., and A. M. Squire, Lima, Ohio. Corn shocker. 2,186,655; Jan. 9.

Rehn, Leelan E. (See Rehn, Edward H. and L. E., and Squire.)

Reid, Alexander C., assignor to Leich Electric Co., Genoa, Ill. Desk telephone. 2,186,078; Jan. 9.

Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Radio receiving system. 2,186,208; Jan. 9.

Reidenbach, Jordan A., Ashland, Ohio. Potato chip fryer and agitator. 2,186,345; Jan. 9.

Reinwald, Hans, New York, N. Y. Cube steak cutter and flattener. 2,186,429; Jan. 9.

Reis, Leonard W., Jersey City, N. J., assignor of one-half to Edwin Werner, New Dorp, Staten Island, N. Y. Adjustable lamp socket. 2,186,496; Jan. 9.

Remington Rand Inc. (See Benner, Russell R., assignor.)

Remington Rand Inc. (See Ewald, G., and McGary, assignors.)

Remington Rand Inc. (See Rand, James H., Jr., assignor.)

Remington Rand Inc. (See Zenner, Frederick M., assignor.)

Rey, François V. A. J. (See Rouanet, R. L. M. F., and Rey.)

Reynhart, Arthur F. A., Beverwijk, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of ammono alcohols. 2,186,392; Jan. 9.

Richards, Idris T. (See Beale, C. E., and Richards.)

Richardson, Charles A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for supporting articles during welding. 2,186,708; Jan. 9.

Richmond, George O. (See Candee, A. H., and Richmond.)

Richter, Karl, Elkins Park, Pa. Household implement. 2,186,430; Jan. 9.

Ricketts, Vernon L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Lubricating oil composition. 2,186,346; Jan. 9.

Rieger, Wilhelm, Kassel-Wilhelmshohe, Germany. Valve control. 2,186,497; Jan. 9.

Riggs, Amalia de M., Washington, D. C. Vehicle direction indicator. 2,186,498; Jan. 9.

Riley, James E., Minneapolis, Minn. Water service device. 2,186,431; Jan. 9.

Ring, Friedrich, Berlin-Tempelhof, and G. Weiss, Berlin-Dahlem, Germany. Fluorescent screen. 2,186,393; Jan. 9.

Rinn, Irwin C. (See Wilson, Nolan E., assignor.)

Ritter, George, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y. Imitation tile trim. 2,186,684; Jan. 9.

Riva, Aurelio T., Habana, Cuba. Replaceable valve assembly. 2,186,499; Jan. 9.

Robbins, Azor D., Highland Park, N. J. Torque converter. 2,186,556; Jan. 9.

Roberts, Roy A., Bakersfield, Calif. Sucker rod rack. 2,186,151; Jan. 9.

Roberts, Samuel B., Cumberland, Md., assignor to Celanese Corporation of America. Dust elimination. 2,186,125; Jan. 9.

Robeson Process Company. (See Wallace, Frederick J., assignor.)

Robins, Ben W. (See Stocker, A. C., Schrader, and Robins.)

Robinson, Harry C., Chattanooga, Tenn. Display rack. 2,186,883; Jan. 9.

Robinson, Walter, Long Island City, J. Westemeyer, Jr., Bronx, N. Y., and Charles O. Borloz, Bergen, N. J. Decorating fabrics and the like. 2,186,176; Jan. 9.

Roeseler, William L., Belton, Mont. Electric extension cord plug. 2,186,656; Jan. 9.

Rogers, Harold W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,186,839; Jan. 9.

Roblin, Karl W., Dover, Del. Internal combustion motor. 2,186,043; Jan. 9.

Roll, Walter H., Linden, N. J. Mowing machine. 2,186,126; Jan. 9.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,186,079; Jan. 9.

Romig, Gerald C., Melrose, assignor to American Chemical Paint Company, Ambler, Pa. Coating metal surfaces with a water insoluble metallic phosphate. 2,186,177; Jan. 9.

Ronk, George T., Lanark, Ill. Railway and highway trailer. 2,186,593; Jan. 9.

Rooker, William A., Martinsburg, W. Va. Manufacture of preserves. 2,186,044; Jan. 9.

Rosenberg, H. Everett. (See Whetstine, Jesse E., assignor.)

Rosenberg, Heyman, New York, N. Y. Bearing unit. 2,186,789; Jan. 9.

Rosenberg, Stig E., Brockton, Mass. Perforating machine. 2,186,594; Jan. 9.

Rosenberger, G. Wilbur. (See Lenehan, B. E., and Rosenberger.)

Rosenthal, Samuel, Brooklyn, N. Y. Apparatus for staining specimens. 2,186,432; Jan. 9.

Rosovsky, Nathan, New York, N. Y. Snap fastener. 2,186,557; Jan. 9.

Rosetti, Carlo, assignor to the firm Leclanché S. A., Yverdon, Switzerland. Manufacturing a highly active depolarizer from natural pyrolusite. 2,186,929; Jan. 9.

Roth, Albert J., Manchester, Conn. Garment bag. 2,186,209; Jan. 9.

Roth, Edward A. (See Faulds, George, assignor.)

Rouanet, Roger L. M. F., and F. V. A. J. Rey, Paris, France. Aircraft. 2,186,558; Jan. 9.

Rowland, Ben W., assignor to The Institute of Paper Chemistry, Appleton, Wis. Cellulose product. 2,186,709; Jan. 9.

Ruberoid Co., The. (See Ritter, George, assignor.)

Rubinoff, Mark, assignor to Morris Canter, New York, N. Y. Tag bearing seal. 2,186,768; Jan. 9.

Rugg, Walter S., and H. D. James, Pittsburgh, Pa. Building construction. 2,186,840; Jan. 9.

Ruhrchemie Aktiengesellschaft. (See Martin, F., R. Jung, and Tramm, assignors.)

Ruska, Ernst, Berlin-Zehlendorf, assignor to the firm Fernseh Aktiengesellschaft Zehlendorf, near Berlin, Germany. Deflecting coil. 2,186,595; Jan. 9.

Rütgerswerke-Aktiengesellschaft. (See Schwemmer, Veit, assignor.)

Ryland, Andrew E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Rivet feeding mechanism. 2,186,841; Jan. 9.

Sagner, Walter T., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,186,347; Jan. 9.

Salisbury, Maxwell E., assignor to The Garlock Packing Company, Palmyra, N. Y. Floating seal assembly. 2,186,537; Jan. 9.

Samel, Leo. (See Harr, H. H., and Samel.)

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,186,127; Jan. 9.

Sandusky Foundry and Machine Co. (See Millspangh, William H., assignor.)

Sänger, Otto. (See Becker, H., Broschke, and Sänger.)

Sardik Incorporated. (See Cowgill, William W., assignor.)

Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Enlarging and copying device. 2,186,619; Jan. 9.

Saussure, George E., Pittsburgh, Pa. Valve. 2,186,657; Jan. 9.

Scale-Models, Inc. (See Weinreich, George F., assignor.)

Schafmeister, Paul, and E. Houdremont, Essen, Germany, assignors, by mesne assignments, to Krupp Nirosta Company, Inc., New York, N. Y. Steel alloy. 2,186,710; Jan. 9.

Scharf, Frank W., Elgin, assignor to McGraw Electric Company, Chicago, Ill. Electrically heated pressing iron. 2,186,930; Jan. 9.

Scheel, Wilhalm F., assignor of forty per cent to C. J. Newhouse and twenty per cent to K. H. Dell, Alexandria, Minn. Grain cleaner. 2,186,210; Jan. 9.

Schering Aktiengesellschaft. (See Feldt, A., and Schöllkopf, assignor.)

Schering Corporation. (See Mamoli, Luigi, assignor.)

Scheunemann, Edward, Mount Clemens, Mich. Road working machine. 2,186,658; Jan. 9.

Schirm, Erik, Dessau, Anhalt, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Manufacture of basic substituted carboxylic acid amides. 2,186,769; Jan. 9.

Schleicher, Lawrence, Los Angeles, Calif. Applicator. 2,186,711; Jan. 9.

Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television transmission method. 2,186,931; Jan. 9.

Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Coupling transformer for television arrangements. 2,186,932; Jan. 9.

Schlesinger, Kurt, Berlin-Friedrichshagen, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Stabilization of television amplifiers. 2,186,933; Jan. 9.

Schmidt, Karl W., Nuremberg, Germany. Making remedy containers for introducing into cavities of the body. 2,186,729; Jan. 9.

Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Jaw puller. 2,186,273; Jan. 9.

Schmidt, Otto W. (See Carswell, F. L., and Schmidt.)

Schmitt, Robert, Darmstadt, and H. Albert, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acyl-acetic arylides having substantive properties. 2,186,274; Jan. 9.

Schneider, Wilhelm. (See Fröhlich, A., and Schneider.)

Schneider, Wilhelm. (See Wilmanns, G., and Schneider.)

Schneider, Wilhelm. (See Wilmanns, G., Schneider, and Fröhlich.)

Schneider, Wilhelm. (See Wilmanns, G., Kumetat, Fröhlich, Schneider, and Brodersen.)

Schneider, Wilhelm, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Production of color photographic pictures. 2,186,045; Jan. 9.

Schneider, Wilhelm, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Multicolor photography. 2,186,730; Jan. 9.

Schneider, Wilhelm, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Production of colored photographic layers. 2,186,731; Jan. 9.

Schneider, Wilhelm, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,186,734; Jan. 9.

Schneider, Wilhelm, and A. Fröhlich, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,186,733; Jan. 9.

Schneider, Wilhelm, and A. Fröhlich, Dessau, Anhalt, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Silver halide emulsion for color photography. 2,186,732; Jan. 9.

Schneider, Wilhelm, and A. Fröhlich, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Silver halide emulsions for color photography. 2,186,735; Jan. 9.

Schneider, Wilhelm, and H. Loleit, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic color picture. 2,186,685; Jan. 9.

Schneider, Wilhelm, and H. Loleit, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Coupling compounds for color forming development. 2,186,736; Jan. 9.

Schnell, Steve. (See Boldt, W. F., and Schnell.)

Schnell, William J. Berwyn, assignor to Electrical Research Laboratories, Inc., Chicago, Ill. Radiophone communication system. 2,186,500; Jan. 9.

Schoenky, August R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening inserting machine. 2,186,046; Jan. 9.

Schöllkopf, Karl. (See Feldt, A., and Schöllkopf.)

Schrader, Harold J. (See Stocker, A. C., Schrader, and Robins.)

Schubert, Max. (See Neresheimer, H., Honold, Stein, Schubert, and Anton.)

Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Machine tool. 2,186,770; Jan. 9.

Schuttig, Charles L., Ridgefield Park, N. J., assignor to Arkansas Company, Inc., New York, N. Y. Sulphonated fatty oils and making same. 2,186,308; Jan. 9.

Schwaiger, Max, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating transformer. 2,186,211; Jan. 9.

Schwartz, Jacob R., Brooklyn, N. Y. Producing tooth forms. 2,186,468; Jan. 9.

Schwarz, Bertram A., and W. C. De Roo, Kokomo, Ind. assignors to General Motors Corporation, Detroit, Mich. Instrument panel speaker unit. 2,186,276; Jan. 9.

Schwemmer, Veit, Pirna, in Saxony, assignor to the firm Rütgerswerke-Aktiengesellschaft, Berlin, Germany. Recovery of aluminium and fluorine compounds from the worn-out linings of the electric furnaces employed for the production of aluminium. 2,186,433; Jan. 9.

Scoggin, Robert L., Ventura, Calif. Electric tester. 2,186,212; Jan. 9.

Scoville, Loren P. (See Kiersted, W., Jr., and Scoville.)

Scoville, Merritt E., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,186,842; Jan. 9.

Seattle Tent & Awning Co. (See MacGeorge, Thomas H., assignor.)

Seitz, John H., Woodhaven, assignor of one-half to J. Fuhringer, Lake Ronkonkoma, N. Y. Vaporizing device. 2,186,152; Jan. 9.

Selig, Alex. (See Fischer, Stefan, assignor.)

Seligman, Richard, and H. F. Goodman, assignors to The Aluminum Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England. Filter press. 2,186,501; Jan. 9.

Senauke, Alexander, New York, assignor to AmpereX Electronic Products, Inc., Brooklyn, N. Y. Multiple wave oscillator with self-adjusting grid excitation. 2,186,434; Jan. 9.

Senna, Samuel N., assignor to B. F. Perkins & Sons, Inc., Chicopee, Mass. Device for testing the rupturing strength of sheet material. 2,186,213; Jan. 9.

Serr, William F., assignor of forty-nine one-hundredths to E. Pusinelli, New York, N. Y. Food product. 2,186,435; Jan. 9.
Servel, Inc. (See Lenning, Alvar, assignor.)
Servel, Inc. (See Ullstrand, Hugo M., assignor.)
Shaler, Saul, Jackson Heights, Long Island, N. Y. Loose-leaf binder book. 2,186,436; Jan. 9.
Shearing, Francis C., Burlingame, Calif. Shoe polishing guard. 2,186,348; Jan. 9.
Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Internal-combustion engine. 2,186,080; Jan. 9.
Shell Development Company. (See Moser, Franz R., assignor.)
Shell Development Company. (See Rabroff, David L., assignor.)
Shell Development Company. (See Reynhart, Arthur F. A., assignor.)
Shell Development Company. (See Ricketts, Vernon L., assignor.)
Shepard, Alvin F. (See Dent, H. M., and Shepard.)
Shiffer, William H. (See Holm, M. M., and Shiffer.)
Shoe Chassis, Inc. (See Bastable, Edward H., assignor.)
Shoe Form Co. (See De Witt, William J., assignor.)
Shoemaker, Alvin H., assignor of one-half to J. G. Smith, Seattle, Wash. Pneumatic tire. 2,186,178; Jan. 9.
Shomaker, Wesley P., Richmond, Va. Web cutting mechanism. 2,186,884; Jan. 9.
Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,186,843; Jan. 9.
Shpater, David, Brooklyn, N. Y. Gauge attachment for sewing machines. 2,186,885; Jan. 9.
Shurley, Frederick, Windsor, Ontario, Canada, assignor, by mesne assignments, to Guthrie Ceramic Labelling & Machinery Co., Inc., Dover, Del. Multiple printing plate and actuating means therefor. 2,186,914; Jan. 9.
Sieck, Paul M., and R. M. Holloway, Mission, Tex. Fluid lift. 2,186,886; Jan. 9.
Sieglitz, Adolf. (See Wilmanns, G., Sieglitz, and Fröhlich.)
Siemens & Halske Aktiengesellschaft. (See Baloun, Kurt, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Krambeer, Karl H., assignor.)
Siemens & Halske Aktiengesellschaft. (See Müller, Konrad, assignor.)
Signacator Systems, Inc. (See Metcalf, Herbert E., assignor.)
Simmons, John T., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Acidizing wells. 2,186,349; Jan. 9.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,186,502; Jan. 9.
Simon, Herman F., Lunenburg, assignor to Parks-Cramer Company, Fitchburg, Mass. Liquid atomizing device. 2,186,214; Jan. 9.
Simon, William L., Kirkland, Ariz. Leverage hackamore bridle. 2,186,350; Jan. 9.
Simons, Francis L., Needham, Mass., assignor to George La Monte & Son, Nutley, N. J. Safety paper and making same. 2,186,810; Jan. 9.
Simpson, Herbert S. (See Christensen, Alfred C., assignor.)
Sinclair, Frank E., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,186,503; Jan. 9.
Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
Singerman, Max E., et al. (See Hall, Harry G., assignor.)
Slager, Ernest. (See Jirka, J. F., McCurdy, Slager, and Ernest.)
Slavin, William J., Howell, Mich. Aggregate spreader. 2,186,081; Jan. 9.
Slayter, Games, and H. W. Collins, assignor, by mesne assignments, to The Ingleside Company, Newark, Ohio. Building construction. 2,186,538; Jan. 9.
Slayter, Games, and H. W. Collins, assignor, by mesne assignments, to Ingleside Company, Newark, Ohio. Heating system. 2,186,539; Jan. 9.
Sleeper, Oliver S. (See Webb, J. A., and Sleeper.)
Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High voltage rectifier or inverter. 2,186,215; Jan. 9.
Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck operating mechanism. 2,186,504; Jan. 9.
Sloan, Theodore H., Charleroi, assignor to G. M. S. Corporation, Pittsburgh, Pa. Tumbler press. 2,186,179; Jan. 9.
Sloman, Cheri M., Detroit, and E. S. Ewart, St. Clair Shores, Mich., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,186,180; Jan. 9.
Smillie, Robert H. (See Perelli, J., and Smillie.)
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,186,844; Jan. 9.
Smith, Jacob G. (See Shoemaker, Alvin H., assignor.)
Smith, John W., Overbrook Manor, Pa. Apparatus for spraying liquid fuel into a combustion chamber having the required turbulence. 2,186,216; Jan. 9.
Smith, Richard G., Amsterdam, N. Y. Toy dump car. 2,186,737; Jan. 9.
Smith, S. Morgan, Company. (See Smyser, Harry E., assignor.)
Smith, S. Morgan, Company. (See Young, Arthur, assignor.)
Smith, Wiley, assignor to The General Tire & Rubber Company, Akron, Ohio. Fabric calendering. 2,186,771; Jan. 9.
Smyser, Harry E., assignor to S. Morgan Smith Company, York, Pa. Trash rack rake. 2,186,790; Jan. 9.
Smyth, Earl P. (See Pugh, John, assignor.)
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Juvenile vehicle body. 2,186,559; Jan. 9.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Juvenile vehicle body. 2,186,560; Jan. 9.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede structure. 2,186,561; Jan. 9.
Snow, Robert D. (See Frey, F. E., Matuszak, and Snow.)
Socony-Vacuum Oil Company. (See Belzer, Thomas R., assignor.)
Socony-Vacuum Oil Company. (See McMackin, Robert E., assignor.)
Soderberg, Karl G. (See Dubpernell, G., and Soderberg.)
Soller, Arnold. (See Linde, H., and Soller.)
Solomon, Evan L., Detroit, Mich. Metal cutting tool. 2,186,738; Jan. 9.
South Carolina National Bank of Charleston, The, as trustee. (See Harris, William A., assignor.)
Specialty Brass Company. (See Namur, C. A., and Anderson, assignors.)
Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of electric generating apparatus. 2,186,217; Jan. 9.
Sperry Gyroscope Company. (See Clouston, Charles E., assignor.)
Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Air conditioner. 2,186,562; Jan. 9.
Spiegler, Louis. (See Gubelmann, I., Tinker, and Spiegler.)
Spitaler, Paul, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Castings of aluminum alloys. 2,186,394; Jan. 9.
Spohn, John H., Jr., San Francisco, Calif. Gyratory crusher. 2,186,596; Jan. 9.
Springfield Leather Products Company. (See Mueller, Louis A., assignor.)
Square D Company. (See Pengilly, J. H., Moyen, Duvall, and Maechtlen, assignors.)
Squire, Arnold M. (See Rehn, Edward H. and L. E., and Squire.)
Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Shaft bearing. 2,186,153; Jan. 9.
Stamm, Alfred H., and H. S. Barton, Peoria, Ill. Building block. 2,186,712; Jan. 9.
Standard Brands Incorporated. (See Braun, Géza, assignor.)
Standard Oil Company of California. (See Bryan, L., and Postlewaite, assignors.)
Standard Oil Company of California. (See Holm, M. M., and Shiffer, assignors.)
Standard Oil Company of California. (See Lyman, Arthur L., assignor.)
Standard Oil Development Company. (See Gaylor, Peter J., assignor.)
Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Products Company, The. (See Anderson, Dwight M., assignor.)
Standard Railway Equipment Manufacturing Company. (See Arnold, De Witt R., assignor.)
Standard Railway Equipment Manufacturing Company. (See Gallagher, John P., assignor.)
Stanley, Charles F., assignor to The Fafnir Bearing Company, Britain, Conn. Bearing mounting. 2,186,686; Jan. 9.
Stanley Works, The. (See Raymond, Horace H., assignor.)
Stapling Machines Co. (See Dunne, Edward F., assignor.)
States Company, The. (See Blakeslee, Henry J., assignor.)
Staude, Edwin G., Minneapolis, Minn. Variable speed gearing. 2,186,395; Jan. 9.
Stechler, Max. (See Bullis, E., and Stechler.)
Stein, Berthold. (See Neresheimer, H., Honold, Stein, Schubert, and Anton.)
Steinbacher, Friedrich, Grunwald, near Munich, assignor of one-half to Gesellschaft fur Lindes Eismaschinen A.-G. Wiesbaden, and one-half to G. Al. Krause, Munich, Germany. Concentration of an aqueous solution by freezing. 2,186,887; Jan. 9.
Steiner Sales Company. (See Birr, Rudolph G., assignor.)
Steiner, Waldo L. (See Lincoln, B. H., and Steiner.)
Steinlein, Gustav, Mainberg, near Schweinfurt, Germany. Bowden device bundle. 2,186,181; Jan. 9.

Sterling Corporation, The. (See Flammang, John, assignor.)
Stevenson Company, The. (See Brown, Norman E., assignor.)
Stewart, Edmund T. (See Cabrera, Luis A., assignor.)
Stieglitz, Henry M. (See Adam, F. B., and Stieglitz.)
Stiles, Harry L., Bridgeport, Conn., assignor to General Electric Company. Cooker. 2,186,845; Jan. 9.
Stine, James E., Aldan Park, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer for crushing machinery. 2,186,047; Jan. 9.
Stocker, Arthur C., and H. J. Schrader, Haddon Heights, and B. W. Robins, Haddonfield, N. J., assignors to Radio Corporation of America. Frequency measuring device. 2,186,182; Jan. 9.
Stoekle, Erwin R., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Combined variable resistance and switch for use with radio receivers. 2,186,154; Jan. 9.
Stojaneck, Paul, Detroit, Mich. Semiartificial Christmas tree. 2,186,351; Jan. 9.
Stolberg, Gottfried, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 2,186,218; Jan. 9.
Story, Le Roy G., Bronxville, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon gases. 2,186,275; Jan. 9.
Stowe-Woodward, Inc. (See Wilkie, Robert J., assignor.)
Strattan, Ralph T. (See Jones, L. B., and Strattan.)
Stratton, George B. (See Coleman, G. H., Moore, and Stratton.)
Stratton, George B. (See Coleman, G. H., and Stratton.)
Straw, Clayton, Henniker, assignor to Kingsbury & Davis Machine Company, Contoocook, N. H. Box-making machine. 2,186,772; Jan. 9.
Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. 2(p-Nicotinylaminobenzenesulfonamide) pyridine and its salts, and preparing them. 2,186,773; Jan. 9.
Sullivan Machinery Company. (See Paget, Win W., assignor.)
Sullivan Machinery Company. (See Simmons, Leon E., assignor.)
Sullivan Machinery Company. (See Sinclair, Frank E., assignor.)
Sultan, Joseph, Mount Vernon, N. Y. Yarn. 2,186,396; Jan. 9.
Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Making end stops for slide fasteners. 2,186,774; Jan. 9.
Superior Funeral Supply Company, The. (See Lange, Morris, assignor.)
Superior Funeral Supply Company, The. (See Walter, V. F., and Lange, assignors.)
Supplee, George C. (See Ansbacher, S., Flanigan, and Supplee.)
Surface Combustion Corporation. (See Widner, Franklin D., assignor.)
Sussman, Wormser, & Co. (See Beede, S. M., Jr., and Kilburg, assignors.)
Suydam, Clinton H., Verona, assignor to Federal Telegraph Company, Newark, N. J. Electron discharge tube water jacket. 2,186,563; Jan. 9.
Svenska Aktiebolaget Gasaccumulator. (See Ganner, Gunnar, assignor.)
Sweeney, J. Lee, and H. Bates, assignor to Bates Laboratories, Inc., New York, N. Y. Typewriter. 2,186,048; Jan. 9.
Talon, Inc. (See Bradbury, Samuel L., assignor.)
Talon, Inc. (See Sundbach, Gideon, assignor.)
Tamminga, William, New York, N. Y., assignor to Monitor Process Corporation. Milk dispenser. 2,186,082; Jan. 9.
Tamminga, William, Bronx, N. Y., assignor to Monitor Process Corporation. Liquid dispenser. 2,186,083; Jan. 9.
Taubensee, Henry A. (See Geyer, E. H., and Taugensee.)
Teeters, Thomas, Snyder, N. Y. Furnace construction. 2,186,740; Jan. 9.
Ternstedt Manufacturing Company. (See Andersen, Andrew C., assignor.)
Ternstedt Manufacturing Company. (See Lakin, John W., assignor.)
Tetens, Raymond E., Lansing, assignor to General Motors Corporation, Detroit, Mich. Grommet seal. 2,186,277; Jan. 9.
Texas Company, The. (See Gee, William P., assignor.)
Texas Company, The. (See Handling, A. L., and MacKnight, assignors.)
Texas Company, The. (See Kiersted, W., Jr., and Scoville, assignors.)
Texas Company, The. (See Pevere, Ernest F., assignor.)
Texas Company, The. (See Story, LeRoy, G., assignor.)
Thiberg, George, assignor of one-half to D. Miller, New York, N. Y. Activated display device. 2,186,564; Jan. 9.
Tholl, John F. (See Little, R., Fraim, and Tholl.)
Thompson, Charles F., Richmond, Va. Optical projecting mechanism. 2,186,049; Jan. 9.
Thompson, Clifford J., Washington, D. C., dedicated to the free use of the People of the United States of America. Absorption cell chest for photometers. 2,186,915; Jan. 9.
Thompson, Marcus, assignor to A. T. Levy, Harrisville, R. I. Prefabricated building. 2,186,461; Jan. 9.
Thompson, Wesley R., and W. E. Flood, Metuchen, N. J., assignors to Catalin Corporation of America. Liquid phenol-formaldehyde resin composition. 2,186,687; Jan. 9.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,186,505; Jan. 9.
Tide Water Associated Oil Company. (See Lazar, Arthur, assignor.)
Tide Water Associated Oil Company. (See Lazar, A., and Galstaun, assignors.)
Tinker, John M. (See Gubelmann, I, Tinker, and Spiegler.)
Tittle, Hulbert C. (See Cutting, F., Forbes, and Tittle.)
Todd Company, The. (See Payne, Walter B., assignor.)
Toledo Scale Manufacturing Company, (See Hem, Halvor W., assignor.)
Toomey, John F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,186,219; Jan. 9.
Toussaint, Walter J., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Vinyl esters. 2,186,437; Jan. 9.
Towers, Ernest J., Ruddington, assignor to George Blackburn and Sons Limited, Nottingham, England. Circular knitting machine for producing elastic fabrics. 2,186,506; Jan. 9.
Tracy, Levin M., Salinas, Calif. Ice crating vegetables. 2,186,352; Jan. 9.
Tramm, Heinrich. (See Martin, F., Jung, and Tramm.)
Trantino, Samuel, assignor to Federal Cutting Machine Company, New York, N. Y. Device for sharpening cloth cutting machine blades. 2,186,507; Jan. 9.
Travis, Bert, Whittier, Calif. Rotary washer for casing perforations. 2,186,309; Jan. 9.
Trbojevich, Nikola, Detroit, Mich. Universal joint. 2,186,846; Jan. 9.
Tremblay, Louis P., Lewiston, Maine, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for nailing shoe bottoms. 2,186,155; Jan. 9.
Tremmel, George B., assignor of fifty per cent to H. B. Alderson, Washington, D. C. Paper clip. 2,186,508; Jan. 9.
Tröger, Richard, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Regulating system. 2,186,847; Jan. 9.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Trubenizing Process Corporation. (See Bihaly, Ludwig, assignor.)
Trubenizing Process Corporation. (See Metzger, Paul, assignor.)
Trumbull, Harlan L., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polyvinyl halide product. 2,186,183; Jan. 9.
Tubbs, Ernest A., Long Island City, N. Y., assignor to National Television Corporation, Wilmington, Del. Circuit aligning device and aligning circuts. 2,186,184; Jan. 9.
Tullar, Paul E. (See Page, R. C., and Tullar.)
Tullar, Paul E., Tuckahoe, and R. C. Page, Mount Vernon, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Antiseptic bottle closure. 2,186,888; Jan. 9.
Udylite Corporation, The. (See Dubpernell, G., and Soderberg, assignors.)
Uhlir, William G., Westchester, assignor to Edison General Electric Appliance Company, ZK Inc., Chicago, Ill. Trailer truck. 2,186,848; Jan. 9.
Uhlmann, Hubert J., Grand Rapids, Mich. Clip. 2,186,811; Jan. 9.
Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid fuel burner. 2,186,128; Jan. 9.
Ulrich, Heinrich, and P. Koerding, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Improving textile materials. 2,186,889; Jan. 9.
Underwood Elliot Fisher Company. (See Sagner, Walter T., assignor.)
Union Oil Company of California. (See Pollock, Ralph C., assignor.)
Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
Union Switch & Signal Company, The. (See Hines, Claude M., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
United Aircraft Corporation. (See Furay, Carl N., assignor.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Aircraft Corporation. (See Willgoos, Andrew V. D., assignor.)
United Engineering & Foundry Company. (See Richardson, Charles A., assignor.)
United Lens Corporation. (See Arbuckle, S. F., Coulter, and Godley, assignors.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Kestell, assignors.)
United Shoe Machinery Corporation. (See Molitor, Arvid A., assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Schoenky, August R., assignor.)
United Shoe Machinery Corporation. (See Tremblay, Louis P., assignor.)
U. S. Electrical Motors, Inc. (See Pfleger, George T., assignor.)
United States Gauge Company. (See Klein, Maximilian, assignor.)
United States Rubber Company. (See McGavack, John, assignor.)
United States Rubber Company. (See Sloman, C. M., and Ewart, assignors.)
U. S. Slicing Machine Company. (See Van Berkel, Wilhelmus A., assignor.)
United Stove Company. (See Breed, Carroll M., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Eissmann, Erich, assignor.)
Urschel, Joe R. (See Urschel, William E., and J. R.)
Urschel, William E. and J. R., Valparaiso, Ind. (Slitting machine. 2,186,084; Jan. 9.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,186,156; Jan. 9.
Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,186,565; Jan. 9.
Vanderkelen, Alphonce, Green Bay, Wis. Back rest. 2,186,220; Jan. 9.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Showcase construction. 2,186,278; Jan. 9.
Van Leer, Jacques O., Wassenaar, Netherlands, Method and device for the manufacturing of sound films. 2,186,157; Jan. 9.
Vaughan, Thomas M., Tampa, Fla. Shipping crate. 2,186,743; Jan. 9.
Vaughn, Sidney P., U. S. Navy, Ackerman, Miss. Cleaning device. 2,186,050; Jan. 9.
Vernam, Gilbert S., Hackensack, N. J., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Telegraph repeater. 2,186,741; Jan. 9.
Vickers Incorporated. (See Harrington, F. T., and Esch, assignors.)
Vickery, Henry M., St. Andrews, Fla. Grinding machine. 2,186,397; Jan. 9.
Vincent, Russell S. (See Brazier, L. G., Hamilton, and Vincent.)
Vogt, Hans, Berlin-Steglitz, Germany, assignor to Micro Products Corporation, Hastings-on-Hudson, N. Y. Magnetic powder for iron dust cores. 2,186,659; Jan. 9.
Von Hoefen, Walter, assignor to Metal Homes, Inc., Cleveland, Ohio. Metal building construction. 2,186,310; Jan. 9.
Wagenhals, William G., Detroit, Mich. Animated display motor. 2,186,744; Jan. 9.
Waggoner, Travis G. (See Guhlin, G. W., and Waggoner.)
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagner Electric Corporation. (See Boldt, W. F., and Schnell, assignors.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Waldever, Carl, San Francisco, Calif. Optical projection device. 2,186,052; Jan. 9.
Walker, Henry O., assignor to Hammond Iron Works, Warren, Ohio. Tank construction. 2,186,185; Jan. 9.
Walker, John C., assignor to Cities Service Oil Company, Bartlesville, Okla. Production of hydrocarbon-oxygen compounds. 2,186,688; Jan. 9.
Walker, Nevilles E., Portland, Oreg. Toy airplane construction. 2,186,051; Jan. 9.
Wallace, Frederick J., Erie, Pa., assignor to Robeson Process Company, New York, N. Y. Finishing leather. 2,186,509; Jan. 9.
Walter, Vernon F., New York, N. Y., and M. Lange, Cleveland Heights, assignors to The Superior Funeral Supply Company, Cleveland, Ohio. Collapsible draped partition. 2,186,510; Jan. 9.
Ward Baking Company. (See Neuberger, Lester, assignor.)
Wärtsilä-Yhtymä O/Y.-Wärtsilä-Koncernen A/B. (See Degerth, John G., assignor.)
Waugh Equipment Company. (See Page, Harold D., assignor.)
Weathers, Warren F., assignor to Horton Manufacturing Company, Detroit, Mich. Door controlling system. 2,186,311; Jan. 9.
Weaver, Eastman A., Winchester, assignor to Comstock & Wescott, Inc., Cambridge, Mass. Color photography. 2,186,053; Jan. 9.
Weaver, Eastman A., Winchester, assignor to Comstock & Wescott, Inc., Cambridge, Mass. Color photography. 2,186,054; Jan. 9.
Webb, J. A., Belting Co. (See Webb, James A., assignor.)
Webb, J. A., Belting Co. (See Webb, J. A., and Sleeper, assignors.)
Webb, James A., assignor to J. A. Webb Belting Co., Inc., Buffalo, N. Y. Machine for making multiply belting. 2,186,775; Jan. 9.
Webb, James A., and O. S. Sleeper, assignors to J. A. Webb Belting Co., Inc., Buffalo, N. Y. Belt making machine. 2,186,776; Jan. 9.
Weeks, Joseph S., deceased, Indianapolis, Ind.; R. L. Weeks, administratrix. Brake lever controlled switch. 2,186,055; Jan. 9.
Weeks, Lloyd W., Inglewood, assignor of one-fourth to C. F. Briscoe and one-fourth to F. Nelson, Los Angeles, Calif. Electrode holder. 2,186,158; Jan. 9.
Weeks, Rosa L., administratrix. (See Weeks, Joseph S.)
Wein, Samuel, New York, N. Y., assignor to The B-L Electric Manufacturing Co., St. Louis, Mo. Making selenium rectifier films. 2,186,085; Jan. 9.
Weiner, Morris, Bronx, assignor to Ralph W. Biggs & Co., Inc., New York, N. Y. Jewelry clasp. 2,186,438; Jan. 9.
Weinreich, George F., assignor to Scale-Models, Inc., Chicago, Ill. Track construction. 2,186,186; Jan. 9.
Weiss, Georg. (See Ring, F., and Weiss.)
Welch, Floyd D., Shreveport, La. Wallboard. 2,186,511; Weld, Foster E. (See Bridges, F. R., and Weld.)
Wendt, Herbert C., assignor to Hackney Brothers Body Company, Wilson, N. C. Vehicle body structure. 2,186,680; Jan. 9.
Wenz, Russell C. (See Hampton, W. O., Nessler, and Wenz.)
Werner, Edwin. (See Reis, Leonard W., assignor.)
Westbrooke, Milo E., assignor to D. M. Carter, Chicago, Ill. Protective device. 2,186,597; Jan. 9.
Westemeyer, Joseph, Jr. (See Robinson, W., Westemeyer, and Borloz.)
Western Union Telegraph Company, The. (See Buckingham William D., assignor.)
Western Union Telegraph Company, The. (See d'Humy, F. E., and Franklin, assignors.)
Westinghouse Electric & Manufacturing Company. (See Austing, Bascum O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bangratz, Ernest G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baudry, René A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bollinger, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fockler, T. C., and Martens, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hartel, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kelly, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kinn, Theodore P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, B. E., and Rosenberger, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mahnke, Kurt, assignor.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Pakala, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rampacher, Fritz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwaiger, Max, assignor.)
Westinghouse Electric & Manufacturing Company. (See Solberg, Gottfried, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wrathall, Jay R., assignor.)
Weymouth, Frederick R., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Wing slot. 2,186,221; Jan. 9.
Whalen, Edward J., Syracuse, N. Y. Light projector. 2,186,439; Jan. 9.
Wheeler, Charles S., Los Angeles, Calif., assignor to Controlair Manufacturing Co. Adjustable damper. 2,186,353; Jan. 9.
Whetstine, Jesse E., assignor of one-half to H. E. Rosenberg, Cedar Rapids, Iowa. Draft control means. 2,186,354; Jan. 9.
White, Clarence B., Montclair, N. J. Cupric cellulose impregnated and coated fabric. 2,186,713; Jan. 9.
White, Eric L. C., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television and like transmitting system. 2,186,742; Jan. 9.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Production of textile threads and fabrics. 2,186,056; Jan. 9.
Whitman, Ray B., Essex Fells, N. J. Golf tee. 2,186,057; Jan. 9.
Wickham, Bessie J., Long Beach, Calif. Combined rain deflector and ventilator. 2,186,086; Jan. 9.

Widner, Franklin D., assignor to Surface Combustion Corporation, Toledo, Ohio. Producing a carburizing gas. 2,186,690; Jan. 9.
Wiezevich, Peter J., now by judicial change of name Peter J. Gaylor, Elizabeth, N. J., assignor to Standard Oil Development Company. Fluorinated compound and producing same. 2,186,916; Jan. 9.
Wilcox, Robert L., Wilmington, Del., assignor to W. L. Morgan, Edgewood, R. I. Device for varying the current flow in an electric circuit. 2,186,222; Jan. 9.
Wildermann, Rudolf, New York, N. Y. Welding refractory metal. 2,186,312; Jan. 9.
Wildhaber, Ernest. (See Candee, A. H., and Wildhaber.)
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wilkie, Robert J., Newton, assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Sectional roll. 2,186,890; Jan. 9.
Willard Storage Battery Company. (See Pucher, Leo E., assignor.)
Willard Storage Battery Company. (See Raney, Robert M., assignor.)
Willard Storage Battery Company. (See Raney, R. M., and Altmayer, assignors.)
Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass melting furnace and construction thereof. 2,186,223; Jan. 9.
Willgoos, Andrew V. D., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Valve. 2,186,791; Jan. 9.
Williams, Edward. (See Aprea, A., and Williams.)
Williams, Egerton B., assignor to The American Ship Building Company, Cleveland, Ohio. Hatch cover and actuating means. 2,186,129; Jan. 9.
Williams, Lewis W., Short Hills, assignor to Motor Improvements, Inc., Newark, N. J. Filtering unit and making the same. 2,186,440; Jan. 9.
Williams, Walter. (See Perry, George S., assignor.)
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, and K. Kumetat, A. Fröhlich, W. Schneider, and R. Brodersen, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of photographic silver halide emulsions. 2,186,849; Jan. 9.
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, A. Sieglitz, Frankfort-on-the-Main-Hochst, and A. Fröhlich, Dessau in Anhalt, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,186,850; Jan. 9.
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, W. Schneider and A. Fröhlich, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,186,851; Jan. 9.
Wilmanns, Gustav, Wolfen, Kreis Bitterfeld, and W. Schneider, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic silver halide emulsions. 2,186,852; Jan. 9.
Wilsnack, George C., Easton, Pa., assignor of one-half to Edison Cement Corporation, New Village, N. J., and one-half to Binney & Smith Company, New York, N. Y. Cement manufacture. 2,186,792; Jan. 9.
Wilson, Charles S., Miami, Fla. Lock-up set. 2,186,512; Jan. 9.
Wilson Engineering Corporation. (See Wilson, Lyndon F., assignor.)
Wilson-Imperial Company. (See Geng, Charles J., assignor.)
Wilson-Jones Company. See Bacon, Elmer W., assignor.)
Wilson, Lyndon F., assignor to Wilson Engineering Corporation, Chicago, Ill. Locomotive gear drive. 2,186,355; Jan. 9.
Wilson, Nolan E., Homer, La., assignor to I. C. Rinn, Chicago, Ill. 2,186,891; Jan. 9.
Winters & Crampton Corporation. (See Anderson, Lloyd L., assignor.)
Wintringham, William T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detecting system. 2,186,130; Jan. 9.
Witkin, B. E. (See Marvin, Stanley, assignor.)
Wodtke, Hans V., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Electric cable. 2,186,793; Jan. 9.
Wolf, Abraham, assignor to Noma Electric Corporation, New York, N. Y. Electric light socket. 2,186,469; Jan. 9.
Wolf, Franz, Vienna, Germany. Overcoat. 2,186,918; Jan. 9.
Wolf, Georg, assignor to the firm Georg Wolf G. m. b. H., Berlin, Germany. Instrument for electrosurgical treatment in body cavities. 2,186,187; Jan. 9.
Wolf, Georg, G. m. b. H. (See Wolf, Georg, assignor.)
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchange apparatus. 2,186,224; Jan. 9.
Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)
Wood, Henry A. Wise, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Margin bar for printing cylinders. 2,186,513; Jan. 9.
Wood, John M., Cranston, assignor to Franklin Process Company, Providence, R. I. Metal spool or beam. 2,186,745; Jan. 9.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. Wise, assignor.)
Woodhouse, Richard L. (See Pilkington, David K., assignor.)
Whathall, Jay R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,186,225; Jan. 9.
Wright, Denis, Liverpool, England, assignor to Associated Telephone & Teleegraph Company, Chicago, Ill. Automatic switch as used in telephone or like systems. 2,186,313; Jan. 9.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation of pentaerythritol. 2,186,272; Jan. 9.
Yabroff, David L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon distillates. 2,186,398; Jan. 9.
Yagle, Leonard W., assignor to Battenfeld, Grease and Oil Corporation, Kansas City, Mo. Grease. 2,186,514; Jan. 9.
Yale & Towne Manufacturing Company, The. (See Johnston, George E., assignor.)
Yates, John, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,186,087; Jan. 9.
Yellow Truck & Coach Manufacturing Company. (See Austin, Dwight E., assignor.)
Yost, Peter R., Goshen, Ind. Milk cooler. 2,186,853; Jan. 9.
Youker, Mortimer A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing polymeric organic sulphides. 2,186,714; Jan. 9.
Youmans, Edward D., Clifton, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,186,441; Jan. 9.
Youmans, Edward D., Clifton, assignor to The Okonite Company, Passaic, N. J. Electric cable. 2,186,442; Jan. 9.
Young, Arthur, assignor to S. Morgan Smith Company, York, Pa. Hydraulic gate operating mechanism. 2,186,131; Jan. 9.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,186,794; Jan. 9.
Yuncker, Leo A., Mansfield, Ohio. Adjustable finger grip for fishing rods. 2,186,515; Jan. 9.
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Maier, Albert, assignor.)
Zahren, Franz, assignor to the firm Bussing-Nag Vereinigte Nutzkraftwagen Aktiengesellschaft, Brunswick, Germany. Internal combustion engine. 2,186,812; Jan. 9.
Zeiss Ikon Aktiengesellschaft. (See Bertele, Ludwig, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Görlick, Paul, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Kuppenbender, Heinz, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Räntsch, K., Bertele, and Merz, assignors.)
Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)
Zenner, Frederick M., Wheatfield, assignor to Remington Rand Inc., Buffalo, N. Y. Making fasteners. 2,186,892; Jan. 9.
Zerweck, Werner, and E. Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs insoluble in water. 2,186,226; Jan. 9.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Knife sharpener. 2,186,715; Jan. 9.
Zink, Robert, Bridgeville, Pa., assignor to American Cyanamid & Chemical Corp., New York, N. Y. Sulphonated terpenyl alkyl phenols. 2,186,132; Jan. 9.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for forming metal slugs. A. H. Gaess. Re. 21,315; Jan. 9.
Cultivator. T. W. Johnson. Re. 21,317; Jan. 9.
Drive mechanisms for shaker conveyers. W. W. Sloane. Re. 21,318; Jan. 9.
Olefines, Hydration of. A. W. Francis. Re. 21,314; Jan. 9.
Press, Printing. I. Tornberg. Re. 21,319; Jan. 9.
Tooth curve for rotors and gears. M. F. Hill. Re. 21,316; Jan. 9.

LIST OF PLANT INVENTIONS

Chrysanthemum plant, Red. C. C. Mayhew. 352; Jan. 9.

LIST OF DESIGN INVENTIONS

Advertising device. H. Frankel. 118,444; Jan. 9.
Ax or similar hand tool. W. W. Rector. 118,482; Jan. 9.
Bar or similar article. I. I. Silverman. 118,456; Jan. 9.
Bottle, Milk. T. D. Lewis. 118,500; Jan. 9.
Bottle or similar article, Water. M. M. Smith and E. M. Roberts. 118,457; Jan. 9.
Box and base therefor, Combined. F. McIntosh. 118,501; Jan. 9.
Cabinet or similar article, Ice cream dispensing. E. H. Helms. 118,448; Jan. 9.
Cap for dispensing whipped cream or the like. W. W. Hubenet. 118,449; Jan. 9.
Case, Vanity. P. H. Pingen. 118,480–1; Jan. 9.
Casing side wall for a toaster or the like. J. O. Reinecke and J. F. Barnes. 118,452; Jan. 9.
Chair. G. Wood. 118,465; Jan. 9.
Clip for photographic negatives and prints, Holding. M. Greig. 118,477; Jan. 9.
Clock and advertising sign, Combined. R. Landau. 118,450; Jan. 9.
Clock, Pull wind panel. J. P. Ambrose. 118,466; Jan. 9.
Coat. T. Trozzi. 118,520; Jan. 9.
Coat. D. Zalinka. 118,524; Jan. 9.
Coat. S. Zimmerman. 118,528; Jan. 9.
Coat. H. Zuckerman. 118,529–30; Jan. 9.
Coat. H. Zuckerman. 118,547–9; Jan. 9.
Dart board. L. M. Heinze. 118,447; Jan. 9.
Dish. J. O. Reinecke and J. F. Barnes. 118,508–9; Jan. 9.
Drawer pull. O. A. Westgaard. 118,464; Jan. 9.
Dress. G. K. Cloyes. 118,494; Jan. 9.
Dress. G. Hirsh. 118,531; Jan. 9.
Dress. N. Kaback. 118,537; Jan. 9.
Dress. H. Kolbrener. 118,532; Jan. 9.
Dress. S. Mahler. 118,540; Jan. 9.
Dress. S. Novak. 118,505; Jan. 9.
Dress. M. Preller. 118,533; Jan. 9.
Dress. J. M. Sterngold. 118,543–4; Jan. 9.
Dress. H. Swartz. 118,545; Jan. 9.
Dress. M. Tint. 118,516–19; Jan. 9.
Dress. J. Wasserman. 118,534–5; Jan. 9.
Dress ensemble. L. L. Kashine. 118,538; Jan. 9.
Dress ensemble. S. Richman. 118,541–2; Jan. 9.
Dresser or similar article. I. Carrington. 118,468; Jan. 9.
Easel or similar article. H. E. Fisk and K. E. Dyer. 118,443; Jan. 9.
Envelope, Seed. W. L. Earnshaw. 118,497; Jan. 9.
Extractor and macerator, Combined juice. R. Drachenberg. 118,470; Jan. 9.
Fabric, Textile. L. Bry. 118,536; Jan. 9.
Fabric, Textile. A. S. Selverstone. 118,513; Jan. 9.
Fabric, Woven textile. J. R. Lister. 118,539; Jan. 9.
Fence. C. D. Harris. 118,446; Jan. 9.
Frame and flower holder, Combination supporting. L. P. Weil. 118,488; Jan. 9.
Game board or the like. B. Radford. 118,451; Jan. 9.
Guard, Motor vehicle bumper. A. C. de Hoffmann. 118,496; Jan. 9.
Guns, Fore end for. A. C. Fink. 118,498; Jan. 9.
Handle for listing machines, Operating. L. P. Crossman. 118,469; Jan. 9.
Handle for waffle baker or the like, Carrying. J. O. Reinecke and J. F. Barnes. 118,506; Jan. 9.
Handle for waffle baker or the like, Lifting. J. O. Reinecke and J. F. Barnes. 118,507; Jan. 9.
Heater, Portable. C. B. Stevens. 118,514; Jan. 9.
Holder for electric arc welding devices, Carbon. C. P. Nielsen. 118,502; Jan. 9.
Hook, Curtain. A. M. Herschensohn. 118,478; Jan. 9.
Housing, Stoker hopper. G. M. Seaman. 118,512; Jan. 9.
Lamp and radio receiving set, Combined. J. J. Punke. 118,504; Jan. 9.
Lamp, Candle. N. J. Baumer. 118,492; Jan. 9.
Lamp, Nursery. L. P. Weil. 118,522; Jan. 9.
Lamp, radio and clock, Combined. T. Tinker and G. von der Lin. 118,550; Jan. 9.
Light globe, Fuel pump. F. L. Roberts. 118,454; Jan. 9.
Lighting fixture. M. A. Summerour and H. C. Devine, Jr. 118,515; Jan. 9.
Mold or similar article, Dessert. C. G. Towne. 118,461–2; Jan. 9.
Peeling machine. M. R. Anstice. 118,467; Jan. 9.
Projector. M. H. Goldberg. 118,474; Jan. 9.
Rack, Display. L. A. Shelton and R. W. Smith. 118,455; Jan. 9.
Rack for packaged goods, Display. R. W. Smith. 118,458; Jan. 9.
Rack for piece goods bolts, Display. S. P. Brown. 118,442; Jan. 9.
Radio, Table. R. Dardess. 118,495; Jan. 9.
Reflector. G. Arras. 118,490; Jan. 9.
Saucepan. P. V. Gardner. 118,445; Jan. 9.
Shade, Lamp. O. H. Williams. 118,523; Jan. 9.
Shoe. D. Levin. 118,479; Jan. 9.
Shoe or similar article. I. Berman. 118,493; Jan. 9.
Shoe or similar article. P. D. Earl. 118,471; Jan. 9.
Shoe or similar article. A. H. Tupper. 118,521; Jan. 9.
Slipper. H. M. Edelstein. 118,489; Jan. 9.
Slipper. L. E. Friedman. 118,472–3; Jan. 9.
Slipper. M. Greenberg. 118,475–6; Jan. 9.
Slipper or similar article. J. Romm. 118,483; Jan. 9.
Stand. I. Salomon. 118,484–5; Jan. 9.
Suit. S. Zimmerman. 118,525–6; Jan. 9.
Suit. S. Zimmerman. 118,546; Jan. 9.
Suit ensemble. S. Zimmerman. 118,527; Jan. 9.
Table. R. W. West. 118,463; Jan. 9.
Toaster. J. O. Reinecke and J. F. Barnes. 118,453; Jan. 9.
Toaster. J. O. Reinecke and J. F. Barnes. 118,511; Jan. 9.
Tray. J. O. Reinecke and J. F. Barnes. 118,510; Jan. 9.
Trimming, Embroidered. H. Tobler and O. Hallbauer. 118,459–60; Jan. 9.
Trimming, Embroidered. H. Tobler and O. Hallbauer. 118,486–7; Jan. 9.
Wallet and cosmetic container, Combination. R. Bach. 118,491; Jan. 9.
Wheel, Juvenile vehicle. H. L. Kraeft. 118,499; Jan. 9.
Wheel, Steering. R. W. Parriott. 118,503; Jan. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption cell chest for photometers. C. J. Thompson. 2,186,915; Jan. 9.
Accelerator for urea-formaldehyde molding compositions. D. E. Cordier. 2,186,821; Jan. 9.
Accessory for wheels, Ornamental. G. A. Lyon. 2,186,550; Jan. 9.
Acetals, Stabilized polyvinyl. G. B. Bachman. 2,186,598; Jan. 9.
Acid amides, Manufacture of basic substituted carboxylic. E. Schirm. 2,186,769; Jan. 9.
Acid components from hydrocarbon distillates, Removing. D. L. Yabroff. 2,186,398; Jan. 9.
Acid recovery from solutions, Glutamic. G. Braun. 2,186,162; Jan. 9.
Acids from hydrocarbon oils, Removing naphthenic. F. R. Moser. 2,186,425; Jan. 9.
Acids, Recovering organic. A. Lazar and L. S. Galstaun. 2,186,249; Jan. 9.
Acyl-acetic arylides having substantive properties. R. Schmitt and H. Albert. 2,186,274; Jan. 9.
Adapter for electric fans. O. G. Hildebrand and E. H. Berger. 2,186,674; Jan. 9.
Adhesive. T. W. Dike. 2,186,369; Jan. 9.
Adjustable multiple drill. A. I. Handling and J. D. MacKnight. 2,186,294; Jan. 9.
Advertising device. L. A. Cabrera. 2,186,665; Jan. 9.
A-frame structure for shovels, cranes, or the like, Collapsible. S. B. Elgh. 2,186,372; Jan. 9.
Aggregate spreader. W. J. Slavin. 2,186,081; Jan. 9.
Air conditioner. P. F. Sperry. 2,186,562; Jan. 9.
Air conditioning apparatus. W. R. Hildebrand. 2,186,697; Jan. 9.
Air conditioning apparatus. D. E. Perham. 2,186,145; Jan. 9.
Aircraft. R. L. M. F. Rouanet and F. V. A. J. Rey. 2,186,558; Jan. 9.
Airport construction. R. Ducroux. 2,186,450; Jan. 9.
Air release for liquid measuring systems. C. S. Hazard. 2,186,069; Jan. 9.
Alarm system, Fire. F. R. Bridges and F. E. Weld. 2,186,163; Jan. 9.
Alcohols, Production of ammono. A. F. A. Reynhart. 2,186,392; Jan. 9.
Alloy: *See*—
Steel alloy. Welding alloy.
Alloy steel tube. D. E. Krause. 2,186,758; Jan. 9.
Alloys, Making ferrous. F. C. T. Daniels. 2,186,328; Jan. 9.
Altitude guiding system for airplanes. G. E. M. Perroux. 2,186,554; Jan. 9.
Aluminum and fluorine compounds from the worn-out linings of the electric furnaces employed for the production of aluminum, Recovery of. V. Schwemmer. 2,186,433; Jan. 9.
Amplifier muting circuit. R. B. Dome. 2,186,825; Jan. 9.
Amplifiers, Stabilization of television. K. Schlesinger. 2,186,933; Jan. 9.
Amusement device. J. L. Prince. 2,186,175; Jan. 9.
Animal trap. T. W. Garriss. 2,186,864; Jan. 9.
Animated display motor. W. G. Wegenhals. 2,186,744; Jan. 9.
Annular valve, Automatic. K. Kehler. 2,186,489; Jan. 9.
Antenna, Diversity. W. I. Matthews. 2,186,422; Jan. 9.
Antiskid device. C. B. Larsen. 2,186,759; Jan. 9.
Antiskid unit for tires. H. H. Hurst. 2,186,528; Jan. 9.
Apparatus for and method of removing supernatant matter from sewage and other liquids. A. C. Durdin, Jr. 2,186,371; Jan. 9.
Apparatus for coating pipe. L. Bryan and W. R. Postlewaite. 2,186,361; Jan. 9.
Apparatus for destroying mold spores. C. W. Bart. 2,186,401; Jan. 9.
Apparatus for determining the minimum light visible. J. B. Feldman. 2,186,408; Jan. 9.
Apparatus for die pressing metal plates. J. P. Gallagher. 2,186,288; Jan. 9.
Apparatus for impregnating logs. H. R. Madison. 2,186,118; Jan. 9.
Apparatus for removing condensate from pipe-lines. L. G. and V. I. Hooper. 2,186,923; Jan. 9.
Apparatus for spraying liquid fuel into a combustion chamber having the required turbulence. J. W. Smith. 2,186,216; Jan. 9.
Apparatus for staining specimens. S. Rosenthal. 2,186,432; Jan. 9.
Apparatus for supporting articles during welding. C. A. Richardson. 2,186,708; Jan. 9.
Apparatus for the control of highway crossing signals. H. S. Young. 2,186,794; Jan. 9.
Apparatus for treating material. W. W. Cowgill. 2,186,282; Jan. 9.
Applicator. L. Schleicher. 2,186,711; Jan. 9.
Aqueous solution by freezing, Concentration of an. F. Steinbacher. 2,186,887; Jan. 9.
Archery set. J. O. Lowell. 2,186,386; Jan. 9.
Armament, Aircraft. B. P. Joyce. 2,186,026; Jan. 9.
Article carrying device. P. Beckwith. 2,186,191; Jan. 9.
Article of hardware. H. H. Raymond. 2,186,683; Jan. 9.
Attaching clip. W. B. Kamen. 2,186,586; Jan. 9.
Automobile directional signal. M. Corpora. 2,186,098; Jan. 9.
Back, Lazy. U. R. Beck. 2,186,318; Jan. 9.
Back rest. A. Vanderkelen. 2,186,220; Jan. 9.
Baffle and heat retaining means for furnaces. G. Faulds. 2,186,373; Jan. 9.
Bag: *See*—
Garment bag. Mail bag.
Golf bag.
Ball and support therefor, Exercising. J. R. Evans. 2,186,016; Jan. 9.
Band suppression system, Side. J. Plebanski. 2,186,146; Jan. 9.
Batch weighing machine, Automatic. A. C. Christensen. 2,186,575; Jan. 9.
Battery, Storage. R. M. Raney. 2,186,148; Jan. 9.
Bearing: *See*—
Shaft bearing.
Bearing mounting. C. F. Stanley. 2,186,686; Jan. 9.
Bearing unit. H. Rosenberg. 2,186,789; Jan. 9.
Belt making machine. J. A. Webb and O. S. Sleeper. 2,186,776; Jan. 9.
Billfold. L. A. Mueller. 2,186,650; Jan. 9.
Binding, Ski. T. Elliott. 2,186,479; Jan. 9.
Bit: *See*—
Straight hole bit.
Blasting cap, Electric. H. E. Nash. 2,186,426–7; Jan. 9.
Block: *See*—
Building block.
Boiler: *See*—
Steam boiler.
Book, Loose-leaf binder. S. Shaler. 2,186,436; Jan. 9.
Book, Triplicate manifolding. A. R. Lawson. 2,186,547; Jan. 9.
Boric oxide, Crystalline. L. McCulloch. 2,186,257; Jan. 9.
Bottle closure, Antiseptic. P. E. Tullar and R. C. Page. 2,186,888; Jan. 9.
Bottles, jars, and the like, Forming glass. T. F. Pearson. 2,186,174; Jan. 9.
Bowden device bundle. G. Steinlein. 2,186,181; Jan. 9.
Bowl handling mechanism for mixing machines. W. F. Dehuff. 2,186,478; Jan. 9.
Box. E. F. Dunne. 2,186,102; Jan. 9.
Box-making machine. C. Straw. 2,186,772; Jan. 9.
Boxes with one or more nipples, Forming. C. S. Brown. 2,186,322; Jan. 9.
Bracing, Lading. E. W. Deuel. 2,186,238; Jan. 9.
Bracket: *See*—
Cinder pot bracket.
Brake: *See*—
Coaster brake. Hydraulic brake.
Brake lever controlled switch. J. S. Weeks. 2,186,055; Jan. 9.
Brake mechanism. F. L. Main. 2,186,834; Jan. 9.
Braking mechanism. W. R. Freeman. 2,186,332; Jan. 9.
Bread, Toasting. L. Neuberger. 2,186,807; Jan. 9.
Bridle, Leverage hackamore. W. I. Simon. 2,186,350; Jan. 9.
Broom sewing apparatus. R. E. Groome. 2,186,378; Jan. 9.
Brush. W. Hertzberg. 2,186,832; Jan. 9.
Brush holder. T. C. Fockler and A. Martens. 2,186,240; Jan. 9.
Buckle. M. and O. Chadirjian. 2,186,574; Jan. 9.
Buckle, Reversible. H. Buchsbaum. 2,186,819; Jan. 9.
Building block. A. H. Stamm and H. S. Barton. 2,186,712; Jan. 9.
Building construction. W. S. Rugg and H. D. James. 2,186,840; Jan. 9.
Building construction. G. Slayter and H. W. Collins. 2,186,538; Jan. 9.
Building construction, Metal. W. von Hoefen. 2,186,310; Jan. 9.
Building, Prefabricated. J. C. Estes. 2,186,460; Jan. 9.
Building, Prefabricated. A. T. Levy. 2,186,459; Jan. 9.
Building, Prefabricated. H. T. Patterson. 2,186,462; Jan. 9.
Building, Prefabricated. M. Thompson. 2,186,461; Jan. 9.
Bumper, Vehicle. C. L. Halladay. 2,186,137; Jan. 9.

Burner: *See*—
Gas burner. Liquid fuel burner.
Burner construction, Wick type oil. C. M. Breed. 2,186,541; Jan. 9.
Burner for liquid fuel. J. L. Breese. 2,186,004; Jan. 9.
Cable: *See*—
Electric cable.
Cable system, Electric. C. E. Bennett. 2,186,444–5; Jan. 9.
Cage, Poultry. R. R. Clark and B. W. Phelps. 2,186,009; Jan. 9.
Calculating machine. C. W. Norton. 2,186,265; Jan. 9.
Calender roll. A. C. Lade. 2,186,679; Jan. 9.
Calibration adjusting means. H. Linde and A. Soller. 2,186,553; Jan. 9.
Cam, Brake actuating. W. F. Boldt and S. Schnell. 2,186,321; Jan. 9.
Camera, Motion picture. H. Becker, H. Broschke, and O. Sanger. 2,186,443; Jan. 9.
Camera, Photographic. H. O. Drotning. 2,186,633; Jan. 9.
Camera, Photographic. J. Mihalyi. 2,186,613; Jan. 9.
Cap: *See*—
Blasting cap. Plug cap.
Cap and the like and making same, Closure. W. C. Mills. 2,186,728; Jan. 9.
Capacitance potential device. R. Higgins. 2,186,486; Jan. 9.
Car: *See*—
Toy dump car. Sleeping car.
Railway car.
Carburetor. P. W. Ensign. 2,186,480; Jan. 9.
Carburetor, Air turbine. W. O. Haddock. 2,186,829; Jan. 9.
Carrier: *See*—
Commodity carrier.
Carton. R. D. Best. 2,186,777; Jan. 9.
Carton. O. H. Hultin. 2,186,109; Jan. 9.
Casein and similar plastics, Molding. J. A. Parsons. 2,186,881; Jan. 9.
Casing head, Safety. F. W. Hild. 2,186,139; Jan. 9.
Casting apparatus. H. E. McWane. 2,186,260; Jan. 9.
Casting mechanism. H. F. Hagemeyer. 2,186,019; Jan. 9.
Castings of aluminum alloys. P. Spitaler. 2,186,394; Jan. 9.
Catch or joint, Making a pin stem. E. Morehouse. 2,186,682; Jan. 9.
Catch or joint, Pin stem. E. Morehouse. 2,186,681; Jan. 9.
Cathode-ray tube. A. B. DuMont and A. J. Hinck, Jr. 2,186,635; Jan. 9.
Cathode ray tube. P. Görlich. 2,186,636; Jan. 9.
Ceiling hanger. W. M. Judge and K. M. Butler. 2,186,607; Jan. 9.
Cellulose impregnated and coated fabric, Cupric. C. B. White. 2,186,713; Jan. 9.
Cellulose organic derivative compositions containing glycol tetrahydrofuroates. J. B. Dickey and J. B. Normington. 2,186,632; Jan. 9.
Cellulose organic derivative compositions containing tetrahydrofurfuryl tetrahydrofuroate. J. B. Dickey and J. B. Normington. 2,186,631; Jan. 9.
Cellulose product. B. W. Rowland. 2,186,709; Jan. 9.
Cellulosic materials, Production of. H. Dreyfus. 2,186,101; Jan. 5.
Cement manufacture. G. C. Wilsnack. 2,186,792; Jan. 9.
Centrifugal extractor. R. Little, F. W. Fraim, and J. F. Tholl. 2,186,704; Jan. 9.
Chain: *See*—
Cutter chain. Skid chain.
Change speed gear, Continuously variable friction wheel. M. Berger. 2,186,662; Jan. 9.
Change speed system. J. W. Hale. 2,186,334; Jan. 9.
Check marking device. R. I. Heller. 2,186,336; Jan. 9.
Chemical compounds, Separating. D. F. Othmer. 2,186,101; Jan. 9.
Chuck operating mechanism. H. E. Sloan and G. A. Highberg. 2,186,504; Jan. 9.
Chute, Loading. G. W. Gublin and T. G. Waggoner. 2,186,292; Jan. 9.
Cinder pot bracket. W. Johnston, Jr. 2,186,382; Jan. 9.
Circuit: *See*—
Amplifier muting circuit. Vehicle signal circuit.
Circuit aligning device and aligning circuits. E. A. Tubbs. 2,186,184; Jan. 9.
Circuit, Balancing duplex. W. D. Buckingham. 2,186,006; Jan. 9.
Circuit breaker. T. Lindstrom. 2,186,251; Jan. 9.
Circuit interrupting and protecting device. F. B. Adam and H. M. Stieglitz. 2,186,813; Jan. 9.
Circuits, Inverse feedback. H. F. Dalpayrat. 2,186,195; Jan. 9.
Circuits, Noise suppression. T. P. Kinn. 2,186,247; Jan. 9.
Circuits, Tuned electric. E. S. L. Beale. 2,186,571; Jan. 9.
Circulatory system, Apparatus and method for ascertaining and recording conditions of the. T. Bradford. 2,186,517; Jan. 9.
Clamp: *See*—
Miter clamp. Paper clamp.
Clasp. J. B. Freysinger. 2,186,410; Jan. 9.
Clasp, Jewelry. M. Weiner. 2,186,438; Jan. 9.
Clay and mixing it with water. P. Bechtner and W. B. Hirschmann. 2,186,661; Jan. 9.
Cleaner: *See*—
Grain cleaner.
Cleaner. L. J. Kurtz. 2,186,140; Jan. 9.
Cleaning composition. C. J. Geng. 2,186,017; Jan. 9.
Cleaning device. S. P. Vaughn. 2,186,050; Jan. 9.
Clip: *See*—
Attaching clip. Paper clip.
Clip. H. J. Uhlmann. 2,186,811; Jan. 9.
Closure for collapsible tubes. F. L. Kates. 2,186,044; Jan. 9.
Closure for containers. J. Buono. 2,186,518; Jan. 9.
Closures for containers, Manufacture of. J. Buono. 2,186,519; Jan. 9.
Clothes drier, Centrifugal. C. E. Morgenstern. 2,186,263; Jan. 9.
Clutch mechanism. C. Doering. 2,186,100; Jan. 9.
Clutch-operating mechanism. V. S. Penote. 2,186,653; Jan. 9.
Coach lock. A. C. Andersen. 2,186,058; Jan. 9.
Coaster brake. A. H. Bernier. 2,186,816; Jan. 9.
Coating, Colored surface. L. Guild. 2,186,721; Jan. 9.
Coating container. P. Kaiser. 2,186,383; Jan. 9.
Coating for fruits, Protective. T. R. Belzer. 2,186,691; Jan. 9.
Coil, Deflecting. E. Ruska. 2,186,595; Jan. 9.
Coil winding machine. P. E. Chapman. 2,186,820; Jan 9.
Coin selector. B. W. Fry and J. Gottfried. 2,186,862; Jan. 9.
Coin selector. J. Gottfried and B. W. Fry. 2,186,863; Jan. 9.
Collar. L. Bihaly. 2,186,356; Jan. 9.
Collar and like article of apparel. P. Metzger. 2,186,387; Jan. 9.
Color stabilization of green vegetables. J. S. Blair. 2,186,003; Jan. 9.
Combination shipping and display container. H. G. Hall. 2,186,170; Jan. 9.
Combustion apparatus. B. Valjean. 2,186,156; Jan. 9.
Commodity carrier. H. A. Conger. 2,186,368; Jan. 9.
Communication system. G. Kiner. 2,186,246; Jan. 9.
Communication system. D. G. Little. 2,186,252; Jan. 9.
Compartment, Automobile sleeping. A. Halvorsen. 2,186,584; Jan. 9.
Composition and preparing same. J. A. Mitchell. 2,186,262; Jan. 9.
Composition of matter and preparing the same. J. E. Plumstead. 2,186,040; Jan. 9.
Condensation product and making same. E. A. Mauersberger. 2,186,464; Jan. 9.
Condensation product and making same, Halogen-containing. G. H. Coleman, G. V. Moore, and G. B. Stration. 2,186,366; Jan. 9.
Conductor, Electric. J. W. Olson. 2,186,788; Jan. 9.
Conductor, Electrical. R. A. Bilton. 2,186,319; Jan. 9.
Connecting means for sectional poles. R. E. McMackin. 2,186,763; Jan. 9.
Connection for electric signs, Electrical. H. L. Kresge. 2,186,703; Jan. 9.
Connector: *See*—
Electrical connector.
Container: *See*—
Coating container. Dish container.
Combination shipping and display container. Metallic container. Shipping display container.
Container. J. P. Kavanaugh. 2,186,111; Jan. 9.
Container and making containers. O. Johnson. 2,186,073; Jan. 9.
Containers for introducing into cavities of the body, Making remedy. K. W. Schmidt. 2,186,729; Jan. 9.
Containers, Providing plant. O. K. Hoglund and F. W. Herbert. 2,186,912; Jan. 9.
Control for printing presses and other machinery, System of. E. H. Laabs. 2,186,113; Jan. 9.
Control means for defecator flush rim water supply, Volumetric. W. C. Groeniger. 2,186,755; Jan. 9.
Control mechanism. E. C. Bunnell. 2,186,448; Jan. 9.
Control of electric generating apparatus. H. H. Spencer. 2,186,217; Jan. 9.
Control system. H. W. Rogers. 2,186,839; Jan. 9.
Control system. D. R. Shoults. 2,186,843; Jan. 9.
Conveyer structure for ovens. E. A. Albright. 2,186,566; Jan. 9.
Cooker. H. L. Stiles. 2,186,845; Jan. 9.
Cooler: *See*—
Milk cooler.
Copolymers of styrene and making the same. E. C. Britton, H. B. Marshall, and W. J. Le Fevre. 2,186,359; Jan. 9.
Copying, tracing, and reproducing apparatus. J. R. Fitzgerald. 2,186,330; Jan. 9.
Cork composition. H. B. Denman. 2,186,284; Jan. 9.
Cork, Popping. R. D. Cochran. 2,186,281; Jan. 9.
Corn in the production of starch, Steeping. R. O. McCoy. 2,186,303; Jan. 9.
Counting control system. W. O. Hampton, A. E. Nessler, and R. C. Wenz. 2,186,922; Jan. 9.
Coupling: *See*—
Flexible coupling.
Coupling compounds for color forming development. W. Schneider and H. Loleit. 2,186,736; Jan. 9.
Cover and actuating means, Hatch. E. B. Williams. 2,186,129; Jan. 9.

Crate, Shipping. T. M. Vaughan. 2,186,743; Jan. 9.
Crusher, Gyrator. J. H. Spohn, Jr. 2,186,596; Jan. 9.
Crusher, Soy bean. H. Ford and R. A. Boyer. 2,186,066; Jan. 9.
Crystallizing apparatus. C. A. Boyd, F. B. Kraft, and P. Ragborg. 2,186,234; Jan. 9.
Cup dispenser, Paper. S. S. Piken. 2,186,205; Jan. 9.
Cup, Sanitary drinking. W. M. Overgard. 2,186,880; Jan. 9.
Curtain support. M. Lange. 2,186,533; Jan. 9.
Cushioning mechanism. H. D. Page. 2,186,267; Jan. 9.
Cutter: *See*—
Hair cutter. Rotary cutter.
Cutter. C. E. Kraus. 2,186,417; Jan. 9.
Cutter and flattener, Cube steak. H. Reinwald. 2,186,429; Jan. 9.
Cutter blades, Relief grinding. A. H. Candee and E. Wildhaber. 2,186,362; Jan. 9.
Cutter chain. L. E. Simmons. 2,186,502; Jan. 9.
Cutter detaching device for dry shavers, Inner. J. H. Rand, Jr. 2,186,122; Jan. 9.
Cutter disengaging device. R. E. Benner. 2,186,094; Jan. 9.
Cutter for meat grinders. C. W. Dieckmann. 2,186,716; Jan. 9.
Cutting tool. F. P. Miller. 2,186,423; Jan. 9.
Cyclohexene, Manufacture of. R. C. Dosser. 2,186,370; Jan. 9.
Cylinder, Liquid cooled engine. C. N. Furay. 2,186,784; Jan. 9.
Cylinder, Printing. C. A. Meisel. 2,186,764; Jan. 9.
Damper, Adjustable. C. S. Wheeler. 2,186,353; Jan. 9.
Darkroom device for ophthalmoscopes, Miniature. C. Posner. 2,186,206; Jan. 9.
Deformation and resilience apparatus. H. W. Dietert. 2,186,824; Jan. 9.
Depolarizer from natural pyrolusite, Manufacturing a highly active. C. Rossetti. 2,186,929; Jan. 9.
Desk. A. Balster. 2,186,316; Jan. 9.
Detecting system. W. T. Wintringham. 2,186,130; Jan. 9.
Device for sharpening cloth cutting machine blades. S. Trantino. 2,186,507; Jan. 9.
Device for testing the rupturing strength of sheet material. S. N. Senna. 2,186,213; Jan. 9.
Device for varying the current flow in an electric circuit. R. L. Wilcox. 2,186,222; Jan. 9.
Diaphragm of the bucky type. W. H. Haupt. 2,186,107; Jan. 9.
Diazonium compounds and manufacturing the same. I. Gubelmann, J. M. Tinker, and L. Spiegler. 2,186,722; Jan. 9.
Die sets, Producing. V. A. Boker. 2,186,799; Jan. 9.
Dish container, Soiled. R. C. Castles. 2,186,365; Jan. 9.
Dispenser: *See*—
Cup dispenser. Milk dispenser.
Liquid dispenser.
Dispensing device. J. Drobniewsky. 2,186,449; Jan. 9.
Display device, Activated. G. Thiberg. 2,186,564; Jan. 9.
Display rack. H. C. Robinson. 2,186,883; Jan. 9.
Distillation, Apparatus for high-vacuum. E. W. Fawcett and G. Burrows. 2,186,669; Jan. 9.
Door controlling system. W. F. Weathers. 2,186,311; Jan. 9.
Door frame and the like. L. H. Lehman. 2,186,458; Jan. 9.
Dough shaper, Sanitary. W. Halpern. 2,186,335; Jan. 9.
Doughnut-making machine. J. Price. 2,186,767; Jan. 9.
Draft control means. J. E. Whetstine. 2,186,354; Jan. 9.
Drafting unit. T. Harris. 2,186,695; Jan. 9.
Dressing mechanism. A. H. Candee and G. O. Richmond. 2,186,363; Jan. 9.
Drier: *See*—
Clothes drier.
Drill: *See*—
Adjustable multiple drill. Rock drill.
Drive mechanism. J. P. Beattie. 2,186,797; Jan. 9.
Dry concentration, Method of and apparatus for. G. W. Beach. 2,186,599; Jan. 9.
Dust elimination. S. B. Roberts. 2,186,125; Jan. 9.
Dye and photograph emulsion, Merotricarbocyanine. L. G. S. Brooker. 2,186,624; Jan. 9.
Dyeing. J. B. Dickey. 2,186,629; Jan. 9.
Dyes and the preparation thereof, Methine. G. H. Keyes. 2,186,608; Jan. 9.
Dyestuffs and their leuco esters, Vat. H. Neresheimer, E. Honold, B. Stein, M. Schubert, and E. Anton. 2,186,389; Jan. 9.
Dyestuffs insoluble in water, Azo. W. Zerweck and E. Heinrich. 2,186,226; Jan. 9.
Dynamic balancing apparatus. H. W. Moore. 2,186,339; Jan. 9.
Dynamo-electric machines, Ventilation of totally enclosed. R. A. Baudry. 2,186,232; Jan. 9.
Easel, Adjustable. F. C. Braun. 2,186,573; Jan. 9.
Eccentricity indicator. R. F. Edgar. 2,186,826; Jan. 9.
Egg candling machine. R. R. Haugh. 2,186,196; Jan. 9.
Ejecting means for thermoplastic molds. D. M. Anderson. 2,186,160; Jan. 9.
Elastic fabric. A. B. Kendrick. 2,186,531; Jan. 9.
Electric cable. L. G. Brasier, G. M. Hamilton, and R. S. Vincent. 2,186,446; Jan. 9.
Electric cable. H. V. Wodtke. 2,186,793; Jan. 9.
Electric cable. E. D. Youmans. 2,186,441–2; Jan. 9.
Electric capacitor. M. E. Scoville. 2,186,842; Jan. 9.
Electric cord set. F. C. Doughmann. 2,186,578; Jan. 9.
Electric motor, Submersible. G. T. Pfleger. 2,186,494; Jan. 9.
Electric outlet fixture and extension cord therefor. W. F. Borkenstein. 2,186,601; Jan. 9.
Electric protective system. A. Bigalke. 2,186,473; Jan. 9.
Electric switch. G. R. Brown. 2,186,818; Jan. 9.
Electric tester. R. L. Scoggin. 2,186,212; Jan. 9.
Electrical conductors, Marking. G. E. Phillips. 2,186,555; Jan. 9.
Electrical connector. J. G. Debby. 2,186,476; Jan. 9.
Electrical contact member. J. M. Kelly. 2,186,245; Jan. 9.
Electrical distribution system. W. H. Frank. 2,186,377; Jan. 9.
Electrical rectifier. P. H. Dowling. 2,186,781; Jan. 9.
Electrode holder. L. W. Weeks. 2,186,158; Jan. 9.
Electron discharge device. A. L. Samuel. 2,186,127; Jan. 9.
Electron discharge tube water jacket. C. H. Suydam. 2,186,563; Jan. 9.
Engine: *See*—
Internal-combustion engine.
Engine and the operation thereof, Combustion. M. Martinka. 2,186,706; Jan. 9.
Engine starting mechanism. H. Baer and M. J. Finnegan. 2,186,229; Jan. 9.
Enlarging and copying device. H. Sauer. 2,186,619; Jan. 9.
Esters, Vinyl. W. J. Toussaint. 2,186,437; Jan. 9.
Ethers, Halo-aryl. G. H. Coleman and G. B. Stratton. 2,186,367; Jan. 9.
Exercising device for infants. E. G. Henry. 2,186,543; Jan. 9.
Extension cord plug, Electric. W. L. Roeseler. 2,186,656; Jan. 9.
Extractor: *See*—
Centrifugal extractor. Juice extractor.
Fruit juice extractor.
Fabric: *See*—
Cellulose impregnated and coated fabric. Elastic fabric. Interlining fabric.
Fabric and garment construction, Knit. H. Boepple. 2,186,572; Jan. 9.
Fabric calendering. W. Smith. 2,186,771; Jan. 9.
Fabric cutting machine. E. H. Groh. 2,186,583; Jan. 9.
Fabric, Finishing. H. Platt. 2,186,121; Jan. 9.
Fabric manufacture, Textile. A. H. Adams. 2,186,814; Jan. 9.
Fabrics and the like, Decorating. W. Robinson, J. Westemeyer, Jr., and C. A. Borloz. 2,186,176; Jan. 9.
Fan. K. D. McMahan. 2,186,837; Jan. 9.
Fastener: *See*—
Snap fastener.
Fasteners, Apparatus for attaching. E. W. Bacon. 2,186,569; Jan. 9.
Fasteners, Making. F. M. Zenner. 2,186,892; Jan. 9.
Fastening inserting machine. A. A. Molitor. 2,186,172; Jan. 9.
Fastening inserting machine. A. R. Schoenky. 2,186,046; Jan. 9.
Faucet. R. A. Casarotti. 2,186,326; Jan. 9.
Feeder: *See*—
Slip sheet feeder.
Feeder for glass furnaces and feeding glass. J. Ferguson. 2,186,718; Jan. 9.
Feeding mechanism for shaker or jigging conveyers. E. R. Bergmann. 2,186,472; Jan. 9.
Ferrous bodies and the like, Apparatus for hardening. C. W. Dake. 2,186,626; Jan. 9.
Fibrous materials, Disintegration of vegetable. A. Bayerl. 2,186,893; Jan. 9.
Fibrous materials, Treating. K. Brodersen and M. Quaedvlieg. 2,186,894; Jan. 9.
Film developing tank. C. J. Hughey. 2,186,927; Jan. 9.
Filler and capper apparatus, Bottle. C. A. Namur and C. M. Anderson. 2,186,651; Jan. 9.
Filler material for welding. A. R. Lytle. 2,186,115; Jan. 9.
Filler material for welding. A. R. Lytle. 2,186,117; Jan. 9.
Filling machine. V. R. Boulich. 2,186,358; Jan. 9.
Film hanger. N. E. Wilson. 2,186,891; Jan. 9.
Film, Subtractive color. G. Heymer. 2,186,070; Jan. 9.
Films, Making selenium rectifier. S. Wein. 2,186,085; Jan. 9.
Films, Method and device for the manufacturing of sound. J. O. van Leer. 2,186,157; Jan. 9.
Filter: *See*—
Optical filter. Rotary drum filter.
Filter glass holder. F. M. Bowers. 2,186,817; Jan. 9.
Filter press. R. Seligman and H. F. Goodman. 2,186,501; Jan. 9.
Filtering unit and making the same. L. W. Williams. 2,186,440; Jan. 9.
Fine-grading machine. R. D. Baker. 2,186,050; Jan. 9.
Firearm, Gas-operated. F. Gebauer. 2,186,582; Jan. 9.
Fireplace construction. M. Monroe. 2,186,649; Jan. 9.
Fish lure. W. J. De Witt. 2,186,780; Jan. 9.

Fixture, Work-holding. J. W. Dearborn. 2,186,236; Jan. 9.
Flame arrester. R. E. Connell. 2,186,752; Jan. 9.
Flame-diffuser and heat-retainer device for furnaces. G. Faulds. 2,186,374; Jan. 9.
Flaws in rigid material, Detecting. G. Ellis. 2,186,014; Jan. 9.
Flexible coupling. G. H. Orr. 2,186,305; Jan. 9.
Floor, Railway car. D. R. Arnold. 2,186,567; Jan. 9.
Fluid meter. P. P. Polko and W. A. Lebus. 2,186,307; Jan. 9.
Fluid within a well, Regulating flow of. M. O. Johnston and W. F. Bettis. 2,186,488; Jan. 9.
Fluids and solids, Method and apparatus for treating. J. L. Milton. 2,186,033; Jan. 9.
Fluids, Handling. V. I. and L. G. Hooper. 2,186,924; Jan. 9.
Fluorescent screen. F. Ring and G. Weiss. 2,186,393; Jan. 9.
Flourinated compound and producing same. P. J. Gaylor. 2,186,917; Jan. 9.
Fluorinated compound and producing same. P. J. Wiezevich. 2,186,916; Jan. 9.
Folder making machine. G. Ewald and B. T. McGary. 2,186,901; Jan. 9.
Food product. W. F. Serr. 2,186,435; Jan. 9.
Food product, Making a dried citrus fruit. G. and L. S. Overton. 2,186,907; Jan. 9.
Foot manipulator, Mechanical. H. G. Hall. 2,186,105; Jan. 9.
Form for sectional concrete burial vaults, Adjustable. T. J. Burns. 2,186,097; Jan. 9.
Forms, Producing tooth. J. R. Schwartz. 2,186,468; Jan. 9.
Frame: *See*—
Mirror and picture frame. Welding frame.
Roving frame.
Frequency changer. W. R. Koch. 2,186,544; Jan. 9.
Frequency measuring device. A. C. Stocker, H. J. Schrader, and B. W. Robins. 2,186,182; Jan. 9.
Frictionally driven switch. H. E. Metcalf. 2,186,765; Jan. 9.
Fruit juice extractor. H. Fromm. 2,186,671; Jan. 9.
Fruit peels and rinds, Preserving. W. C. Luban. 2,186,549; Jan. 9.
Fruit processing apparatus. S. M. Beede, Jr. and J. Kilburg. 2,186,471; Jan. 9.
Fryer and agitator, Potato chip. J. A. Reidenbach. 2,186,345; Jan. 9.
Fuel, Apparatus for burning solid. G. Ganner. 2,186,581; Jan. 9.
Fuel delivery device for stokers. H. C. Carter. 2,186,404; Jan. 9.
Fuel supply mechanism for oil stoves, Liquid. D. H. Lapointe. 2,186,726; Jan. 9.
Fuel, Vulcanizing. R. H. Churchill. 2,186,667; Jan. 9.
Furnace. J. Blizard. 2,186,474; Jan. 9.
Furnace and construction thereof, Glass melting. P. G. Willetts. 2,186,223; Jan. 9.
Furnace construction. T. Teeters. 2,186,740; Jan. 9.
Furniture. H. L. Lieberman. 2,186,142; Jan. 9.
Fuse device. C. B. Currie. 2,186,920; Jan. 9.
Fuse device, Safety. W. A. Keen. 2,186,112; Jan. 9.
Fuse switch. O. C. Clough. 2,186,165; Jan. 9.
Game apparatus. A. J. Jackson. 2,186,337; Jan. 9.
Game apparatus. R. W. Miller. 2,186,465; Jan. 9.
Garment bag. A. J. Roth. 2,186,209; Jan. 9.
Garment finishing machine and method. T. G. Boldizzoni. 2,186,192; Jan. 9.
Garment hanger. M. Moe. 2,186,076; Jan. 9.
Gas burner. J. E. Leonard and C. T. Hammons. 2,186,588; Jan. 9.
Gas mixture, Supplying to individual persons an oxygenated. J. A. Heidbrink. 2,185,997; Jan. 9.
Gas, Producing a carburizing. F. D. Widner. 2,186,690; Jan. 9.
Gases by suction in roasting, calcining, and drying furnaces, Drawing off blast furnace. J. Horak. 2,186,675; Jan. 9.
Gases, Conversion of hydrocarbon. L. G. Story. 2,186,275; Jan. 9.
Gases, Heat treating. F. Martin, R. Jung, and H. Tramm. 2,186,590; Jan. 9.
Gasoline, Recovery of. R. C. Lassiat. 2,186,029; Jan. 9.
Gate operating mechanism, Hydraulic. A. Young. 2,186,131; Jan. 9.
Gauge: *See*—
Siphon gauge. Steam gauge.
Gear: *See*—
Change speed gear.
Gear for airplanes, Transit. A. Batey and R. W. Coupland. 2,186,060; Jan. 9.
Gear lapping machine. E. R. Nyland. 2,186,304; Jan. 9.
Gearing, Variable speed. E. G. Staude. 2,186,395; Jan. 9.
Generator drive. J. F. Gordon and C. H. Bouvy. 2,186,290; Jan. 9.
Gland or packing. F. V. Brown. 2,186,664; Jan. 9.
Glass welding apparatus. R. T. Lowd, Jr., and S. S. Kay. 2,186,647; Jan. 9.
Gold compounds of albumose-like keratin degradation products containing sulphhydryl groups, Manufacture of complex. A. Feldt and K. Schöllkopf. 2,186,694; Jan. 9.
Gold from saprolite gold ores and other refractory slow settling gold ores, Recovering. B. D. Crawford. 2,186,779; Jan. 9.
Golf bag. L. H. Meyer. 2,186,401; Jan. 9.
Golf tee. R. B. Whitman. 2,186,057; Jan. 9.
Goniometric device for determining the dip and strike of strata from bore-core. F. Humphreys. 2,186,677; Jan. 9.
Grain cleaner. W. F. Scheel. 2,186,210; Jan. 9.
Grease. L. W. Yagle. 2,186,514; Jan. 9.
Grinding machine. H. M. Vickery. 2,186,397; Jan. 9.
Grip for fishing rods, Adjustable finger. L. A. Yuncker. 2,186,515; Jan. 9.
Ground rod. R. J. Frank. 2,186,482; Jan. 9.
Guard and gear case grease seal, Combination dust. P. Bollinger. 2,186,233; Jan. 9.
Guard, Shoe polishing. F. C. Shearing. 2,186,348; Jan. 9.
Gun fire, Controlling. F. R. Chamberlain, Jr. 2,186,007; Jan. 9.
Hair cutter. F. L. Davies. 2,186,627; Jan. 9.
Halide product, Polyvinyl. H. L. Trumbull. 2,186,183; Jan. 9.
Hammer for crushing machinery. J. E. Stine. 2,186,047; Jan. 9.
Handle: *See*—
Switch handle.
Hanger: *See*—
Ceiling hanger. Garment hanger.
Film hanger.
Hanger for signs or other objects. F. C. Beseler. 2,186,280; Jan. 9.
Hat blocking machine. L. G. Blount. 2,186,663; Jan. 9.
Hat lining attaching machine. L. Meylach and L. M. Page. 2,186,261; Jan. 9.
Heat exchange apparatus. E. R. Wolfert. 2,186,224; Jan. 9.
Heat exchanger. W. G. Noack. 2,186,877; Jan. 9.
Heat transfer device. H. E. Noyes. 2,186,077; Jan. 9.
Heater. W. W. Owens. 2,186,173; Jan. 9.
Heating apparatus. B. Goerg. 2,186,802–3; Jan. 9.
Heating system. G. Slayter and H. W. Collins. 2,186,539; Jan. 9.
Heating system, Vacuum. J. Lavergne. 2,186,680; Jan. 9.
Heels to shoes, Attaching. E. H. Bastable. 2,186,470; Jan. 9.
Holder: *See*—
Brush holder. Filter glas holder.
Electrode holder. Magnetic work holder.
Household implement. K. Richter. 2,186,430; Jan. 9.
Housing for small animals, Sanitary multiple. B. L. Oser. 2,186,120; Jan. 9.
Hydraulic brake. E. J. Nachtwey. 2,186,264; Jan. 9.
Hydrocarbon-oxygen compounds, Production of. J. C. Walker. 2,186,688; Jan. 9.
Hydrocarbons, Treating. M. M. Holm and W. H. Shiffler. 2,186,021; Jan. 9.
Hydrocarbons, Treating. A. L. Lyman. 2,186,031; Jan. 9.
Ice saving machine. J. Duray. 2,186,012; Jan. 9.
Ignition arch, Furnace. F. Cash. 2,186,521; Jan. 9.
Illuminating device. J. McClain. 2,186,200; Jan. 9.
Illuminating system. K. Räntsch, L. Bertele, H. Sauer, and A. Merz. 2,186,123; Jan. 9.
Illuminator. E. A. Neugass. 2,186,143; Jan. 9.
Indicator: *See*—
Eccentricity indicator.
Vehicle direction indicator.
Ink, Method and apparatus for setting printing. C. P. Mann. 2,186,032; Jan. 9.
Insect exterminator. E. R. Jowers. 2,186,868; Jan. 9.
Instrument for electrosurgical treatment in body cavities. G. Wolf. 2,186,187; Jan. 9.
Interlining fabric. L. Bihaly. 2,186,357; Jan. 9.
Internal combustion engine. E. H. Aiken. 2,186,400; Jan. 9.
Internal combustion engine. J. R. McNeil. 2,186,259; Jan. 9.
Internal-combustion engine. L. S. Sheldrick. 2,186,080; Jan. 9.
Internal combustion engine. F. Zahren. 2,186,812; Jan. 9.
Internal combustion motor. K. W. Rohlin. 2,186,043; Jan. 9.
Iron: *See*—
Pressing iron.
Iron, Making gray cast. F. C. T. Daniels. 2,186,329; Jan. 9.
Ironing table. L. H. Cummings. 2,186,194; Jan. 9.
Jaw puller. O. C. Schmidt. 2,186,273; Jan. 9.
Joint: *See*—
Universal joint.
Joint for artificial limbs, Ankle. A. Boulton. 2,186,540; Jan. 9.
Joint for concrete slabs. E. H. Geyer and H. A. Taubensee. 2,186,104; Jan. 9.
Juice extractor. H. Fromm. 2,186,672; Jan. 9.
Kit, Lantern slide construction. A. W. Engel. 2,186,827; Jan. 9.
Knitting machine. H. Hoeppner. 2,186,197; Jan. 9.
Knitting machine. K. Howie. 2,186,023; Jan. 9.

Knitting machine for producing elastic fabrics, Circular. E. J. Towers. 2,186,506; Jan. 9.
Knob securing means. G. E. Johnston. 2,186,678; Jan. 9.
Lacquers containing cellulose acetobutyrate and cellulose acetopropionate. W. E. Gloor. 2,186,454; Jan. 9.
Ladder. C. Moen. 2,186,119; Jan. 9.
Laminated structure and making the same. J. W. Rash. 2,186,124; Jan. 9.
Lamp house construction. H. D. Philips. 2,186,618; Jan. 9.
Latch. L. L. Anderson. 2,186,795; Jan. 9.
Latch. J. P. Gleason. 2,186,903; Jan. 9.
Latching device. J. W. Albin. 2,186,747; Jan. 9.
Latex, Preservation of. J. McGavack. 2,186,202; Jan. 9.
Lathes, Feed mechanism for. W. F. and W. L. Groene. 2,186,168; Jan. 9.
Laundry press. S. Marvin. 2,186,490; Jan. 9.
Leather, Finishing. F. J. Wallace. 2,186,509; Jan. 9.
Lens hood. R. P. Leavitt and J. S. Beggs. 2,186,610; Jan. 9.
Lens system. L. Bertele. 2,186,621–2; Jan. 9.
Lift, Fluid. P. M. Sieck and R. M. Holloway. 2,186,886; Jan. 9.
Lighting system and control switch for the same, Automobile. C. I. Erickson. 2,186,911; Jan. 9.
Liquid atomizing device. H. F. Simon. 2,186,214; Jan. 9.
Liquid cooling and dispensing apparatus. H. H. Harr and L. Samel. 2,186,723; Jan. 9.
Liquid dispenser. W. Tammings. 2,186,083; Jan. 9.
Liquid fuel burner. H. M. Ullstrand. 2,186,128; Jan. 9.
Liquid separating device for containers. V. C. Posey. 2,186,041; Jan. 9.
Listing mechanism for addressing machines. F. E. Curtis. 2,186,010; Jan. 9.
Live center. E. F-G. Gibbs. 2,186,921; Jan. 9.
Load transferring machinery. J. F. Maine. 2,186,463; Jan. 9.
Lock; *See*—
Coach lock.
Lock. A. C. Hubbell. 2,186,865; Jan. 9.
Lock for revolving doors, Emergency. A. Lockart. 2,186,385; Jan. 9.
Lock for storage batteries, Cover. L. E. Pucher. 2,186,147; Jan. 9.
Locking means for ladies' handbags and the like. G. Laubenstein. 2,186,905; Jan. 9.
Lock-up set. C. S. Wilson. 2,186,512; Jan. 9.
Locks, latches, and the like, Mechanism for operating. J. A. Cereda. 2,186,666; Jan. 9.
Locomotive gear drive. L. F. Wilson. 2,186,355; Jan. 9.
Log-rolling device. C. W. Hutchinson. 2,186,606; Jan. 9.
Luminaire. T. W. Rolph. 2,186,079; Jan. 9.
Machine construction. S. A. Huffman. 2,185,998; Jan. 9.
Machine for making multiply belting. J. A. Webb. 2,186,776; Jan. 9.
Machine for nailing shoe bottoms. L. P. Tremblay. 2,186,155; Jan. 9.
Machine tool. C. H. Schurr. 2,186,770; Jan. 9.
Magazine and camera therefor, Motion picture. J. Mihalyi. 2,186,612; Jan. 9.
Magazine for vending machines. W. A. Harris. 2,186,527; Jan. 9.
Magnetic switch. J. H. Pengilly, J. G. Moyen, H. A. Duvall, and L. G. Maechtlen. 2,186,342; Jan. 9.
Magnetic work holder. S. Koller. 2,186,074; Jan. 9.
Mail bag. G. C. Lester. 2,186,384; Jan. 9.
Mandrel assembly. P. R. Aronson. 2,186,088; Jan. 9.
Margin bar for printing cylinders. H. A. W. Wood. 2,186,513; Jan. 9.
Marker, Playing field. L. E. Dishman. 2,186,407; Jan. 9.
Massaging device. F. Lindberg. 2,186,114; Jan. 9.
Mast head. W. J. Edwards. 2,186,720; Jan. 9.
Material containing zinc in shaft furnaces, Reducing. H. Klein. 2,186,645; Jan. 9.
Materials in centrifugals, Process and apparatus for treating. J. P. McGlaughlin. 2,186,836; Jan. 9.
Materials, Rotproofing and waterproofing of. W. J. Carter. 2,186,750; Jan. 9.
Materials to make them resistant to mildew, Treatment of fibrous. F. T. Metcalf. 2,186,739; Jan. 9.
Mechanism for lubricating worm gears. H. Pelphrey. 2,186,269; Jan. 9.
Mercaptothiazoles, Manufacture of. R. A. Mathes. 2,186,419–21; Jan. 9.
Mercury from ores, Production of. H. B. Menardi. 2,186,876; Jan. 9.
Metal articles, Annealing and pickling of hollow. J. Curran. 2,186,856; Jan. 9.
Metal cleaning. S. R. Dodd. 2,186,523; Jan. 9.
Metal cutting tool. E. L. Solomon. 2,186,738; Jan. 9.
Metal surfaces, Preventing rusting of ferrous. W. K. Griesinger. 2,186,018; Jan. 9.
Metal surfaces with a water insoluble metallic phosphate, Coating. G. C. Romig. 2,186,177; Jan. 9.
Metal surfacing apparatus. J. H. Bucknam. 2,186,096; Jan. 9.
Metal, Welding refractory. R. Wildermann. 2,186,312; Jan. 9.
Metallic container. W. C. Mills. 2,186,338; Jan. 9.
Metals electronegative to iron, Brightening. G. Dubpernell and K. G. Soderberg. 2,186,579; Jan. 9.
Meter: *See*—
Fluid meter.
Milk cooler. P. R. Yost. 2,186,853; Jan. 9.
Milk dispenser. W. Tammings. 2,186,082; Jan. 9.
Milking-machine pulsator. K. G. Magni. 2,186,253; Jan. 9.
Mill. N. E. Brown. 2,186,164; Jan. 9.
Mirror and picture frame. I. Kaplan. 2,186,643; Jan. 9.
Miter clamp. W. Krumbach. 2,186,198; Jan. 9.
Molding, Vacuum. L. W. Flood and E. B. Hagar. 2,186,331; Jan. 9.
Molybdenum and alloys of molybdenum, Making. J. H. Brennan. 2,186,447; Jan. 9.
Mortar plaster. A. Ladwig. 2,186,532; Jan. 9.
Motion-picture apparatus. H. E. Edgerton. 2,186,013; Jan. 9.
Motor: *See*—
Animated display motor. Internal combustion motor.
Electric motor.
Motor control, Multispeed. K. Mahnke. 2,186,254; Jan. 9.
Motor control system. B. O. Austin. 2,186,227; Jan. 9.
Motor control system. C. M. Hines. 2,186,785; Jan. 9.
Motor control system. J. R. Wrathall. 2,186,225; Jan. 9.
Motor vehicle. M. Tibbetts. 2,186,505; Jan. 9.
Mounting: *See*—
Bearing mounting.
Mowing machine. W. H. Roll. 2,186,126; Jan. 9.
Muffler. R. O., S., and F. Berg. 2,186,062; Jan. 9.
Musical instrument. H. Moertel. 2,186,424; Jan. 9.
Necktie. G. A. Mueller. 2,186,591; Jan. 9.
Necktie, Four-in-hand. G. F. Bache. 2,186,566; Jan. 9.
Necktie packing means. S. C. Pulitzer. 2,186,391; Jan. 9.
Neutrons, Photographic detection of slowly moving. H. Kallmann and E. Kuhn. 2,186,757; Jan. 9.
Nickel-copper matte, Decomposition of. G. Hamprecht. 2,186,293; Jan. 9.
Nitriles, Purification of aromatic. V. Giambalvo. 2,186,754; Jan. 9.
Nozzle. W. F. Hamilton. 2,186,804; Jan. 9.
Oculter for searchlights. C. E. Clouston. 2,186,063; Jan. 9.
Oil-air separator. N. C. Price. 2,186,344; Jan. 9.
Oil, and recovery of the solvent, Solvent refining of hydrocarbon. W. Kiersted, Jr., and L. P. Scoville. 2,168,298; Jan. 9.
Oil composition, Lubricating. V. L. Ricketts. 2,186,346; Jan. 9.
Oil, Cutting. E. F. Pevere. 2,186,271; Jan. 9.
Oil, Sulphurized. B. H. Lincoln and W. L. Steiner. 2,186,646; Jan. 9.
Oiling system. L. Coddington. 2,186,477; Jan. 9.
Oils and making same, Sulphonated fatty. C. L. Schuttig. 2,186,308; Jan. 9.
Oils, Emulsifiable substitute resin. A. Lazar. 2,186,248; Jan. 9.
Olefins in a mixture containing olefins and paraffins, Increasing the concentration of. F. E. Frey, M. P. Matuszak, and R. D. Snow. 2,186,524; Jan. 9.
Opener, Can. W. H. Curtis. 2,186,668; Jan. 9.
Operating table. R. Alopaeus. 2,186,660; Jan. 9.
Optical filter. M. Centeno, V. 2,186,203, Jan. 9.
Optical projecting mechanism. C. F. Thompson. 2,186,049; Jan. 9.
Optical projection device. C. Waldeyer. 2,186,052; Jan. 9.
Optical system. M. J. Hersberger. 2,186,605; Jan. 9.
Optical system for color photography. W. H. and E. C. Harrison. 2,186,412; Jan. 9.
Ornament. D. H. Crosser. 2,186,327; Jan. 9.
Ornamental articles, Manufacturing. E. E. Howe. 2,186,381; Jan. 9.
Oscillator with self-adjusting grid excitation, Multiple wave. A. Senauke. 2,186,434; Jan. 9.
Oscillograph system, Multicontrol. B. E. Morits, Jr. 2,186,388; Jan. 9.
Oscillographic apparatus, Recording. W. E. Pakala. 2,186,268; Jan. 9.
Oven, Domestic. R. F. Davis. 2,186,857; Jan. 9.
Oven structure, Coke. F. Denig. 2,186,237; Jan. 9.
Overcoat. F. Wolf. 2,186,918; Jan. 9.
Package. J. Yates. 2,186,087; Jan. 9.
Packer and setting tool combination. C. C. Brown. 2,186,324; Jan. 9.
Packer, Hydraulic oil well. W. L. Bald. 2,186,230; Jan. 9.
Packing, Piston. C. G. Hall. 2,186,020; Jan. 9.
Pan set, Multiple. J. G. Jackson. 2,186,699; Jan. 9.
Panels, Apparatus and method for manufacturing upholstery trim. A. S. Mitchell, C. J. Davies, and H. M. Ratley. 2,186,838; Jan. 9.
Paper and making same, Safety. F. L. Simons. 2,186,810; Jan. 9.
Paper clamp. W. C. Eickman. 2,186,136; Jan. 9.
Paper clip. G. B. Tremmel. 2,186,508; Jan. 9.
Paper making machine. B. A. Malkin. 2,186,761; Jan. 9.
Paper making machine. W. H. Millspaugh. 2,186,171; Jan. 9.
Paper manufacture. J. O. Mason. 2,186,874; Jan. 9.
Parti-resilient body, Composite. K. H. Bowen. 2,186,402; Jan. 9.
Partition, Collapsible draped. V. F. Walter and M. Lange. 2,186,510; Jan. 9.
Pattern, Adjustable. J. Bukovy. 2,186,325; Jan. 9.
Pelleting machine. J. P. Haworth. 2,186,415; Jan. 9.
Pencil, Mechanical. D. Kahn. 2,186,027; Jan. 9.
Pencil, Mechanical. D. Kahn. 2,186,870; Jan. 9.

Pencil, Mechanical magazine. D. Kahn. 2,186,869; Jan. 9.
Pentaerythritol, Preparation of. J. A. Wyler. 2,186,272; Jan. 9.
Perforating machine. S. E. Rosenberg. 2,186,594; Jan. 9.
Perforator, Casing. C. C. Brown. 2,186,323; Jan. 9.
Phenanthrenes, Biochemical hydrogenation of. L. Mamoli. 2,186,906; Jan. 9.
Phenols, Sulphonated terpenyl alkyl. R. Zink. 2,186,132; Jan. 9.
Phone, Head. W. H. Huth. 2,186,072; Jan. 9.
Photographic apparatus. L. R. Martin. 2,186,611; Jan. 9.
Photographic apparatus. J. Mihalyi. 2,186,616; Jan. 9.
Photographic layers, Production of colored. W. Schneider. 2,816,731; Jan. 9.
Photographic silver halide emulsions. G. Wilmanns and W. Schneider. 2,186,852; Jan. 9.
Photographic silver halide emulsions, Manufacture of. G. Wilmanns, K. Kumetat, A. Fröhlich, W. Schneider, and R. Brodersen. 2,186,849; Jan. 9.
Photographic shutter. M. R. Hutchison, Jr. 2,186,639; Jan. 9.
Photography. K. L. Henderson. 2,186,138; Jan. 9.
Photography, Color. W. Schneider. 2,186,734; Jan. 9.
Photography, Color. W. Schneider and A. Fröhlich. 2,186,733; Jan. 9.
Photography, Color. E. A. Weaver. 2,186,053–4. Jan 9.
Photography, Color. G. Wilmanns, A. Sieglitz, and A. Fröhlich. 2,186,850; Jan. 9.
Photography, Color. G. Wilmanns, W. Schneider, and A. Fröhlich. 2,186,851; Jan. 9.
Photography, Multicolor. W. Schneider. 2,186,730; Jan. 9.
Piano. A. H. Morse and A. F. Knoblaugh. 2,186,466; Jan. 9.
Picture, Photographic color. W. Schneider and H. Loleit. 2,186,685; Jan. 9.
Picture projector, Motion. J. J. Dilks, Jr. 2,816,753; Jan. 9.
Pictures, Production of color photographic. W. Schneider. 2,186,045; Jan. 9.
Pictures, Production of colored photographic. J. Eggert and A. Fröhlich. 2,186,717; Jan. 9.
Pigment process. J. E. Booge and C. F. Oppermann. 2,186,095; Jan. 9.
Pinion assembly for use with rolls or the like. W. L. Ditges. 2,186,522; Jan. 9.
Pipe extension, Exhaust. G. A. Lyon. 2,186,551; Jan. 9.
Pipe, Installing subdrain. F. L. Carswell and O. W. Schmidt. 2,186,364; Jan. 9.
Piston. J. Flammang. 2,186,375; Jan. 9.
Pitcher. R. F. Daniel. 2,186,166; Jan. 9.
Pitter, Peach. J. Perrelli and R. H. Smille. 2,186,467; Jan. 9.
Plant labeling device. G. W. Patten. 2,186,428; Jan. 9.
Plow stock. G. L. Jones. 2,186,416; Jan. 9.
Plug: *See*—
Extension cord plug. Spark plug.
Plug cap, Attachment. N. Chirelstein. 2,186,751; Jan. 9.
Plunger, Safety pump. H. E. Brandt. 2,186,623; Jan. 9.
Polymerizable substances, Process and catalyst for treating. M. M. Holm and W. H. Shiffler. 2,186,022; Jan. 9.
Powder and product thereof, Preparing of progressive-burning smokeless. F. L. Boddicker. 2,186,516; Jan. 9.
Powder for iron dust cores, Magnetic. H. Vogt. 2,186,659; Jan. 9.
Power transmission. F. T. Harrington and R. E. Esch. 2,186,379; Jan. 9.
Power transmission. J. Jandasek. 2,186,025; Jan. 9.
Power transmission device. D. K. Pilkington. 2,186,808; Jan. 9.
Preservative composition. A. D. Chapman and R. M. Lindgren. 2,186,134; Jan. 9.
Preserves, Manufacture of. W. A. Rooker. 2,186,044; Jan. 9.
Press: *See*—
Filter press. Tumbler press.
Laundry press.
Presses, Attachment for. B. J. Pierson. 2,186,495; Jan. 9.
Pressing iron, Electrically heated. F. W. Scharf. 2,186,930; Jan. 9.
Printing apparatus. W. B. Payne. 2,186,144; Jan. 9.
Printing attachment for printing presses, Auxiliary. H. H. Predmore. 2,186,042; Jan. 9.
Printing on asphaltic compositions. J. T. Hargrave. 2,186,756; Jan. 9.
Printing on metal. E. T. Digby. 2,186,858–9; Jan. 9.
Printing plate and actuating means therefor, Multiple. F. Shurley. 2,186,914; Jan. 9.
Projector, Light. E. J. Whalen. 2,186,439; Jan. 9.
Propeller and the like device, Rotary. A. J. Dekker. 2,186,064; Jan. 9.
Propeller balancing means. E. Martin. 2,186,199; Jan. 9.
Protective device. M. E. Westbrooke. 2,186,597; Jan. 9.
Protective system for electric valve translating apparatus. E. F. W. Alexanderson. 2,186,815; Jan. 9.
Protector: *See*—
Ticket protector.
Puller: *See*—
Jaw puller. Tack puller.
Pulp, Bleaching. H. L. Joachim. 2,186,487; Jan. 9.
Pulp bleaching and refining process. H. R. Murdock. 2,186,034; Jan. 9.
Pulp from southern pine, Manufacturing tall-oil-free. T. Hasselstrom. 2,186,295; Jan. 9.
Pulverizer, Cinder. C. G. Hawley. 2,186,414; Jan. 9.
Pumping apparatus. W. W. Paget. 2,186,492; Jan. 9.
Pumping apparatus, Hydraulic. J. M. and A. M. Gurley. 2,186,411; Jan. 9.
Rack: *See*—
Display rack. Sucker rod rack.
Radio and telegraph receiver. D. A. Griffin. 2,186,291; Jan. 9.
Radio receiving and direction finding apparatus. J. P. Jeffcock. 2,186,867; Jan. 9.
Radio receiving apparatus. F. Cutting, H. C. Forbes, and H. C. Tittle. 2,186,099; Jan. 9.
Radio receiving system. J. D. Reid. 2,186,208; Jan. 9.
Radio transmitter. J. W. Hammond and R. B. Edwards. 2,186,068; Jan. 9.
Radiophone communication system. W. J. Schnell. 2,186,500; Jan. 9.
Railway car. A. A. Johnson. 2,186,700; Jan. 9.
Railway car, Gravity unloading. A. A. Johnson. 2,186,701; Jan. 9.
Rain deflector and ventilator, Combined. B. J. Wickham. 2,186,086; Jan. 9.
Rake, Trash rack. H. E. Smyser. 2,186,790; Jan. 9.
Range finder. O. Liebmann. 2,186,806; Jan. 9.
Rapid processing machine. C. H. Green and R. E. McAdam. 2,186,637; Jan. 9.
Ratchet footage indicator for motion picture apparatus. C. J. Hughey. 2,186,926; Jan. 9.
Razor blade package. C. C. Baldwin. 2,186,231; Jan. 9.
Razor head, Adjustable. R. E. Benner. 2,186,091; Jan. 9.
Razor, Power driven. A. E. Jensen. 2,186,110; Jan. 9.
Receptacle: *See*—
Sealed receptacle. Sheet metal receptacle.
Rectifier or inverter, High voltage. J. Slepian. 2,186,215; Jan. 9.
Rectifier system. J. L. Finch. 2,186,239; Jan. 9.
Refrigerating apparatus. H. J. Dick and J. L. Gibson. 2,186,900; Jan. 9.
Refrigerating apparatus. H. F. Smith. 2,186,844; Jan. 9.
Refrigeration apparatus. F. R. Erbach. 2,186,782; Jan. 9.
Refrigeration process. F. L. Koethen. 2,186,028; Jan. 9.
Refrigerator. A. Lenning. 2,186,805; Jan. 9.
Regulating system. R. Tröger. 2,186,847; Jan. 9.
Regulator. C. R. Hanna. 2,186,243; Jan. 9.
Relay, Electromagnetic. K. Müller. 2,186,340; Jan. 9.
Relay, Interlocking. F. T. Fereday. 2,186,670; Jan. 9.
Release for ironer shoe. J. W. Jensen. 2,186,787; Jan. 9.
Relooping machine, Pneumatic. B. H. Gostkowski. 2,186,603; Jan. 9.
Remote control system, Liquid pressure. F. Brown. 2,186,235; Jan. 9.
Repeater, Regenerative. W. T. Rea. 2,186,150; Jan. 9.
Reproducer. L. B. Cornwell. 2,186,576; Jan. 9.
Resin composition, Liquid phenol-formaldehyde. W. R. Thompson and W. E. Flood. 2,186,687; Jan. 9.
Resinous product. H. M. Dent and A. F. Shepard. 2,186,406; Jan. 9.
Resistance and switch for use with radio receivers, Combined variable. E. R. Stoekle. 2,186,154; Jan. 9.
Retainer for paper bags. W. F. Potts. 2,186,343; Jan. 9.
Retort, Low temperature carbonizing. P. Hadamovsky. 2,186,169; Jan. 9.
Rivet feeding mechanism. A. E. Rylander. 2,186,841; Jan. 9.
Road signal. E. W. McDonald. 2,186,258; Jan. 9.
Road working machine. E. Scheunemann. 2,186,658; Jan. 9.
Rock drill. F. E. Sinclair. 2,186,503; Jan. 9.
Rod: *See*—
Ground rod.
Roll, Sectional. R. J. Wilkie. 2,186,890; Jan. 9.
Roller control, Impression. F. Nigra. 2,186,341; Jan. 9.
Roller unit. H. H. Harris. 2,186,724; Jan. 9.
Rotary cutter. R. E. Benner. 2,186,092; Jan. 9.
Rotary drum filter. W. P. Gee. 2,186,289; Jan. 9.
Roving frame. T. Harris. 2,186,696; Jan. 9.
Saddle connection for bicycles, motor cycles, and the like. G. A. Guidetti. 2,186,483; Jan. 9.
Safety device for mine cars. J. Pugh. 2,186,390; Jan. 9.
Sawmill carriage offset. G. W. Peck. 2,186,493; Jan. 9.
Scaffold, Folding. F. J. Gunther. 2,186,484; Jan. 9.
Scale, Weighing. H. W. Hem. 2,186,830; Jan. 9.
Scale, Weighing. L. McClain. 2,186,256; Jan. 9.
Schooling device for airplane pilots. H. Kuppenbender. 2,186,545; Jan. 9.
Screen: *See*—
Fluorescent screen.
Screens for use in connection with oil wells, Making. E. E. Johnson. 2,185,999; Jan. 9.
Seal assembly, Floating. M. E. Salisbury. 2,186,537; Jan. 9.
Seal for batteries, Terminal post. R. M. Raney and F. Altmayer. 2,186,149; Jan. 9.
Seal, Grommet. R. E. Tetens. 2,186,277; Jan. 9.
Seal, Tag bearing. M. Rubinoff. 2,186,768; Jan. 9.
Sealed receptacle. E. H. Fabrice. 2,186,589; Jan. 9.

Seat back structure, Upholstered. H. C. La More. 2,186,301; Jan. 9.
Seat, footboard, and stringer structure. P. W. Hussey. 2,186,866; Jan. 9.
Separation apparatus. E. Eissmann. 2,186,167; Jan. 9.
Separator: *See*—
Oil-air separator.
Separators for prevention of foam creation, Arrangement in. J. G. Degerth. 2,186,822; Jan. 9.
Sewing machine. S. W. Avis. 2,186,228; Jan. 9.
Sewing machine. J. Gouldbourn and T. A. Kestell. 2,186,604; Jan. 9.
Sewing machines, Gauge attachment for. D. Shpater. 2,186,885; Jan. 9.
Sewing machines, Thread controlling mechanism for. M. McCann. 2,186,762; Jan. 9.
Shade apparatus, Automatic adjustable. G. F. Mansfield. 2,186,873; Jan. 9.
Shaft bearing. S. A. Staege. 2,186,153; Jan. 9.
Sharpener, Knife. M. J. Zimmer. 2,186,715; Jan. 9.
Shaving instrument, Dry. R. E. Benner. 2,186,093; Jan. 9.
Sheet material, Flexible abrasive. H. G. Bartling. 2,186,001; Jan. 9.
Sheet metal receptacle. J. R. Jones. 2,186,529; Jan. 9.
Shield, Dress. S. Bendersky. 2,186,002; Jan. 9.
Shift mechanism for motor vehicle transmissions. A. Majer. 2,186,536; Jan. 9.
Shipping display container. G. Hornecker. 2,186,071; Jan. 9.
Shock absorber. T. de Port. 2,186,011; Jan. 9.
Shock absorber for aircraft. J. H. Onions. 2,186,266; Jan. 9.
Shocker, Corn. E. H. and L. E. Rehn and A. M. Squire. 2,186,655; Jan. 9.
Shoe machine. A. R. Morrill. 2,186,592; Jan. 9.
Shoe stiffener blank and making the same. S. P. Lovell. 2,186,589; Jan. 9.
Shoe uppers, Preparing prewelt. E. L. La Chapelle. 2,186,141; Jan. 9.
Showcase construction. A. Vanderveld. 2,186,278; Jan. 9.
Shutter and control therefor, Multispeed. J. Mihalyi. 2,186,614; Jan. 9.
Shutter, Auxiliary. H. W. Klas. 2,186,299; Jan. 9.
Sign: *See*—
Swinging sign.
Signal: *See*—
Automobile directional signal. Road signal.
Signal control system, Track. S. E. McFarland. 2,186,201; Jan. 9.
Signaling apparatus, Railway. P. H. Crago. 2,186,800; Jan. 9.
Signaling system for automotive vehicles. S. F. Arbuckle, G. H. Coulter, and C. E. Godley. 2,186,000; Jan. 9.
Silver halide emulsion for color photography. W. Schneider and A. Fröhlich. 2,186,732; Jan. 9.
Silver halide emulsions for color photography. W. Schneider and A. Fröhlich. 2,186,735; Jan. 9.
Silver halide emulsions, Photographic. A. Fröhlich and W. Schneider. 2,186,719; Jan. 9.
Siphon and the like, Thermic. C. G. Hawley. 2,186,413; Jan. 9.
Siphon gauge, Internal. M. Klein. 2,186,871; Jan. 9.
Skid chain. G. L. Briggs. 2,186,475; Jan. 9.
Sleeping car. J. F. Clary. 2,186,778; Jan. 9.
Slicing machine. J. L. Ordman. 2,186,878; Jan. 9.
Slicing machine. W. A. van Berkel. 2,186,565; Jan. 9.
Slide for fastening devices, Locking. A. Pindek. 2,186,809; Jan. 9.
Slider inspecting machine. S. L. Bradbury. 2,186,693; Jan. 9.
Slip sheet feeder. R. S. Harm. 2,186,485; Jan. 9.
Slitting machine. W. E. and J. R. Urschel. 2,186,084; Jan. 9.
Slot, Wing. F. R. Weymouth. 2,186,221; Jan. 9.
Snap fastener. N. Rosovsky. 2,186,557; Jan. 9.
Socket, Adjustable lamp. L. W. Reis. 2,186,496; Jan. 9.
Socket, Electric light. A. Wolf. 2,186,469; Jan. 9.
Soles, Method of and apparatus for fitting. F. E. Bertrand. 2,186,161; Jan. 9.
Sound and television receiving system. P. C. Goldmark. 2,186,455; Jan. 9.
Sound reproducing system, Electrical. H. C. Forbes. 2,186,103; Jan. 9.
Spark plug. D. H. Corbin. 2,186,283; Jan. 9.
Spark plug, Radio shielded. M. F. Peters and A. V. Astin. 2,186,039; Jan. 9.
Speaker unit, Instrument panel. B. A. Schwarz and W. C. De Roo. 2,186,276; Jan. 9.
Speed limiting device for automobiles, Adjustable. A. Aprea and E. Williams. 2,186,620; Jan. 9.
Spindle. R. E. Getchell. 2,186,525; Jan. 9.
Splicing machine. M. Engler and W. J. Breth. 2,186,286; Jan. 9.
Splint. D. Gordon. 2,186,456; Jan. 9.
Spool and tube applicable thereto. E. T. Allan. 2,186,133; Jan. 9.
Spool or beam, Metal. J. M. Wood. 2,186,745; Jan. 9.
Spouting system for type casting machines. G. L. Curle. 2,186,801; Jan. 9.
Spring assembly for upholstery. R. W. Lotz; 2,186,548; Jan. 9.
Spring fastening device, Double coil. J. W. Albin. 2,186,746; Jan. 9.
Springing system of vehicles. S. Fischer. 2,186,065; Jan. 9.
Stabilizer, Sway. D. E. Anstin. 2,186,279; Jan. 9.
Stakes, posts, poles, and the like, Impregnating. W. Ludwig. 2,186,648; Jan. 9.
Stand. W. P. Lamar. 2,186,300; Jan. 9.
Stand and attachment, Striking bag. E. Bullis and M. Stechler. 2,186,403; Jan. 9.
Stand with letter balance, Collapsible advertisement. W. Jonas. 2,186,913; Jan. 9.
Starch manufacture, Process applicable to. A. and A. Peltzer, Jr. 2,186,087; Jan. 9.
Steam boiler. E. G. Bailey. 2,186,919; Jan. 9.
Steam gauge. M. Klein. 2,186,872; Jan. 9.
Steel alloy. P. Schafmeister and E. Houdremont. 2,186,710; Jan. 9.
Steel, Guitar. J. M. Abbott. 2,186,399; Jan. 9.
Steel, High tensile alloy. W. H. Hatheld. 2,185,996; Jan. 9.
Steering linkage. H. O. Fuchs. 2,186,287; Jan. 9.
Stereoscopic training device, Mechanical. G. L. Mandaville. 2,186,418; Jan. 9.
Sterilizer for dental hand pieces. W. S. Behrens. 2,186,600; Jan. 9.
Stoker drive mechanism. H. C. Carter. 2,186,405; Jan. 9.
Stop mechanism for dispensing devices. R. G. Birr. 2,186,798; Jan. 9.
Stopper, Air filtering. R. C. Page and P. E. Tullar. 2,186,908; Jan. 9.
Stopper, Anchoring. L. A. Carroll. 2,186,625; Jan. 9.
Stops for slide fasteners, Making end. G. Sundback. 2,186,774; Jan. 9.
Storage equipment. H. Auger and W. E. Pearson. 2,186,854; Jan. 9.
Straight hole bit. J. D. Hughes. 2,186,725; Jan. 9.
Strap, Watch. H. R. Baker. 2,186,089; Jan. 9.
Structure and preparing same, Artificial. E. Freund and F. Deutsch. 2,186,452; Jan. 9.
Styrene copolymers. E. C. Britton, H. B. Marshall, and W. J. Le Fevre. 2,186,360; Jan. 9.
Sucker rod rack. R. A. Roberts. 2,186,151; Jan. 9.
Suction device for gasoline engines. S. Hashimoto. 2,186,673; Jan. 9.
Sugar products from carbohydrates by acid hydrolysis, Manufacturing dextrose containing. W. Kröner and H. Kothe. 2,186,075; Jan. 9.
Sulphides, Plasticizing polymeric organic. M. A. Youker. 2,186,714; Jan. 9.
Sulphur dioxide, Recovery of. G. H. Gleason and A. C. Loonam. 2,186,453; Jan. 9.
Superheater, Locomotive boiler. L. B. Jones and R. T. Strattan. 2,186,904; Jan. 9.
Support: *See*—
Curtain support.
Support for pieces of furniture, Elastic. A. Lorenz. 2,186,705; Jan. 9.
Supporting structure, Space-closing. E. M. Hünnebeck. 2,186,296; Jan. 9.
Supporting structure, Space-enclosing. E. Hünnebeck. 2,186,297; Jan. 9.
Surfaces and apparatus therefor, Drying. F. J. Groven. 2,186,067; Jan. 9.
Swinging sign. C. W. Glasgow. 2,186,241; Jan. 9.
Switch: *See*—
Brake lever controlled switch. Frictionally driven switch.
Electric switch. Fuse switch.
Magnetic switch.
Switch actuating device, Time. B. E. Lenehan and G. W. Rosenberger. 2,186,250; Jan. 9.
Switch as used in telephone or like systems, Automatic. D. Wright. 2,186,313; Jan. 9.
Switch contact. A. Hall. 2,186,638; Jan. 9.
Switch handle, Electric. H. J. Blakeslee; 2,186,749; Jan. 9.
Switch mechanism, Safety. J. F. Jirka, R. N. McCurdy, E. Slager, and R. D. Ernest. 2,186,040; Jan. 9.
Swivel adapter for hay carriers. E. R. and G. Follman. 2,186,783; Jan. 9.
Table: *See*—
Ironing table. Operating table.
Table and kitchen articles, Production of rolled and stamped. P. Bosbach and E. Keller. 2,186,602; Jan. 9.
Tack puller. E. A. Giersch. 2,186,333; Jan. 9.
Tank: *See*—
Film developing tank.
Tank and making, Plated storage. E. E. Eickmeyer. 2,186,285; Jan. 9.
Tank construction. H. O. Walker. 2,186,185; Jan. 9.
Telautograph system. F. E. d'Humy and L. W. Franklin. 2,186,897; Jan. 9.
Telegraph repeater. G. S. Vernam. 2,186,741; Jan. 9.
Telegraph storage system. F. E. d'Humy and L. W. Franklin. 2,186,898; Jan. 9.
Telegraph system. F. E. d'Humy and L. W. Franklin. 2,186,895–6; Jan. 9.
Telegraph system. F. E. d'Humy and L. W. Franklin. 2,186,899; Jan. 9.
Telephone, Desk. A. C. Reid. 2,186,078; Jan. 9.
Telephone system. K. Baloun. 2,186,316; Jan. 9.
Telephone system. C. E. Beale and I. T. Richards. 2,186,317; Jan. 9.

Telephone system. C. W. Halligan. 2,186,242; Jan. 9.
Telephone system. J. F. Toomey. 2,186,219; Jan. 9.
Television and like transmitting system. E. L. C. White. 2,186,742; Jan. 9.
Television communication, Method and system for. A. B. Du Mont. 2,186,634; Jan. 9.
Television reproducer. J. C. Batchelor. 2,186,570; Jan. 9.
Television system. P. F. M. Gloess. 2,186,542; Jan. 9.
Television transmission method. K. Schlesinger. 2,186,931; Jan. 9.
Telltale device for an electrical coincidental door locking system. J. W. Lakin. 2,186,546; Jan. 9.
Tent, Pyramid-type hatch. T. H. MacGeorge. 2,186,535; Jan. 9.
Testing apparatus. F. S. Martin and M. T. Kelley. 2,186,727; Jan. 9.
Testing device. H. O. Hem. 2,186,831; Jan. 9.
Textile materials. H. Ulrich and P. Koerding. 2,186,889; Jan. 9.
Thermal protection for shielded ignition systems. M. F. Peters. 2,186,038; Jan. 9.
Thermocouple structure. W. A. Ray. 2,186,707; Jan. 9.
Thread controller. H. J. Le Vesconte. 2,186,534; Jan. 9.
Threads and fabrics, Production of textile. W. Whitehead. 2,186,056; Jan. 9.
Ticket protector, Price. L. Hopp. 2,186,698; Jan. 9.
Tie fabrication apparatus. M. S. Malek. 2,186,552; Jan. 9.
Tile trim, Imitation. G. Ritter. 2,186,684; Jan. 9.
Tire, Pneumatic. A. H. Shoemaker. 2,186,178; Jan. 9.
Tire, Pneumatic. C. M. Sloman and E. S. Ewart. 2,186,180; Jan 9.
Tire retreading machine. W. G. and V. Rawls. 2,186,882; Jan. 9.
Toggle link. N. Lester. 2,186,030; Jan. 9.
Tool: *See*—
Cutting tool. Metal cutting tool.
Machine tool.
Toothbrush. S. D. Burkinshaw. 2,186,520; Jan. 9.
Tooth brush. G. L. Casto. 2,186,005; Jan. 9.
Top for desks and the like, Covered J. R. Jones. 2,186,530; Jan. 9.
Torch, Blow. D. A. Lenk. 2,186,760; Jan. 9.
Torque converter. A. D. Robbins. 2,186,556; Jan. 9.
Tower, Steel. C. Bauer. 2,186,190; Jan. 9.
Toy airplane construction. N. E. Walker. 2,186,051; Jan. 9.
Toy dump car. R. G. Smith. 2,186,737; Jan. 9.
Toy, Glider. J. H. Kleinberg. 2,186,587; Jan. 9.
Toy wagon assembly. P. E. Allen. 2,186,188; Jan. 9.
Track construction. G. F. Weinreich. 2,186,186; Jan. 9.
Traction apparatus. H. D. Peachey. 2,186,036; Jan. 9.
Tractor. T. W. Paul. 2,186,306; Jan. 9.
Trailer, Railway and highway G. T. Ronk. 2,186,593; Jan. 9.
Transformer for television arrangements, Coupling. K. Schlesinger. 2,186,932; Jan. 9.
Transformer, Regulating. F. Rampacker. 2,186,207; Jan. 9.
Transformer, Regulating. M. Schwaiger. 2,186,211; Jan. 9.
Transmission. E. R. Holloway. 2,186,108; Jan. 9.
Transmission for automotive purposes, Hydraulic. A. Berger. 2,186,748; Jan. 9.
Transmission, Hydraulic. W. Ferris. 2,186,409; Jan. 9.
Trap: *See*—
Animal trap.
Tree scarring device. G. S. Perry. 2,186,654; Jan. 9.
Tree, Semiartificial Christmas. P. Stojaneck. 2,186,351; Jan. 9.
Trip record and map, Combined. M. F. Miller. 2,186,204; Jan. 9.
Trolley and current collector means. H. J. L. Frank and J. A. Messing. 2,186,376; Jan. 9.
Truck body, Tiltable. E. R. Barrett. 2,186,796; Jan. 9.
Truck, Car. E. Chapman. 2,186,008; Jan. 9.
Truck, Trailer. W. G. Uhlir. 2,186,848; Jan. 9.
Tube: *See*—
Alloy steel tube. X-ray tube.
Cathode ray tube.
Tube closure. G. R. Osterholm. 2,186,879; Jan. 9.
Tube cut-off apparatus. R. O. and S. Berg. 2,186,061; Jan. 9.
Tumbler press. T. H. Sloan. 2,186,179; Jan. 9.
Tuning, Selective. K. H. Krambeer. 2,186,702; Jan. 9.
Tuning system. D. R. De Tar. 2,186,823; Jan. 9.
Tuning system. E. W. Forstrom. 2,186,828; Jan. 9.
2(p-nicotinylaminobenzenesulfonamide) pyridine and its salts, and preparing them. E. H. Stuart. 2,186,773; Jan. 9.
Typewriter. J. L. Sweeney and H. Bates. 2,186,048; Jan. 9.
Typewriting and computing machine, Combined. W. T. Sagner. 2,186,847; Jan. 9.
Typewriting-calculating machine or the like with total-taking mechanism. H. E. Kimmel. 2,186,642; Jan. 9.
Universal joint. N. Trbojevich. 2,186,846; Jan. 9.
Urine acetone test. W. B. Fortune. 2,186,902; Jan. 9.
Utensil and strainer, Foam removing. J. J. McCauley. 2,186,835; Jan. 9.
Utensil, Culinary. F. Baccarini. 2,186,855; Jan. 9.
Valve: *See*—
Annular valve.
Valve. J. L. Fleming. 2,186,481; Jan. 9.
Valve. V. L. and L. G. Hooper. 2,186,925; Jan. 9.
Valve. G. A. Iler. 2,186,024; Jan. 9.
Valve. G. A. Iler. 2,186,633; Jan. 9.
Valve. G. R. Saussure. 2,186,657; Jan. 9.
Valve. A. V. D. Willgoos. 2,186,791; Jan. 9.
Valve assembly, Replaceable. A. T. Riva. 2,186,499; Jan. 9.
Valve control. W. Rieger. 2,186,497; Jan. 9.
Valve for bottle filling machines. C. F. Greiner. 2,186,526; Jan. 9.
Valve for glass instruments, Perforated joint. W. Juffa. 2,186,457; Jan. 9.
Valve mechanism, By-pass. R. Erling. 2,186,015; Jan. 9.
Valve mechanism, Compressor shut-off. W. F. Boldt. 2,186,320; Jan. 9.
Vapor electric device. E. G. Bangratz. 2,186,189; Jan. 9.
Vapor electric device. W. Hartel. 2,186,244; Jan. 9.
Vapor phase cracking. W. T. Hancock. 2,186,585; Jan. 9.
Vaporizing device. J. H. Seitz. 2,186,152; Jan. 9.
Vegetables, Ice crating. L. M. Tracy. 2,186,352; Jan. 9.
Vehicle: *See*—
Motor vehicle.
Vehicle body, Juveline. S. A. Snell. 2,186,559–60; Jan. 9.
Vehicle body structure. H. C. Wendt. 2,186,689; Jan. 9.
Vehicle direction indicator. A. de M. Riggs. 2,186,498; Jan. 9.
Vehicle signal circuit. H. E. Metcalf. 2,186,766; Jan. 9.
Vehicle velocity change testing. G. E. Hull and J. G. Christhilf. 2,186,676; Jan. 9.
Velocipede structure. S. A. Snell. 2,186,561; Jan. 9.
Vending machine. B. W. Fry and J. Gottfried. 2,186,861; Jan. 9.
Vending machine for frozen confections and vending belt therefor. J. W. Martin. 2,186,302; Jan. 9.
Vibratory aligner. H. S. Orth, C. R. Oberst, and W. E. Cramer. 2,186,652; Jan. 9.
View and range finder, Combined. J. Mihalyi. 2,186,615; Jan. 9.
Vitamins, Concentration and isolation of water-soluble. S. Ansbacher, G. E. Flanigan, and G. C. Supplee. 2,186,314; Jan. 9.
Waist restrainer. R. McCabe. 2,186,255; Jan. 9.
Wallboard. F. D. Welch. 2,186,511; Jan. 9.
Wall structure, Furnace. G. W. Davey. 2,186,577; Jan. 9.
Washer for casing perforations, Rotary. B. Travis. 2,186,309; Jan. 9.
Washing machine. J. W. Jensen. 2,186,786; Jan. 9.
Watch crystals, Installing unbreakable. F. R. Duteber. 2,186,461; Jan. 9.
Watch movement. H. Aeberhardt. 2,186,159; Jan. 9.
Water heating system for bottle washing machines. G. C. Evans. 2,186,860; Jan. 9.
Water service device. J. E. Riley. 2,186,431; Jan. 9.
Wax and producing same, Oxidized. R. C. Pollock. 2,186,900–10; Jan. 9.
Wax from waxed paper stock, Removing. O. Kress. 2,186,609; Jan. 9.
Weaving, Method of and apparatus for hand. M. J. and N. E. Boyer. 2,186,602; Jan. 9.
Web cutting mechanism. W. P. Shomaker. 2,186,884; Jan. 9.
Welding alloy. A. R. Lytle. 2,186,116; Jan. 9.
Welding apparatus. G. Stolberg. 2,186,218; Jan. 9.
Welding frame. H. A. Jones. 2,186,641; Jan. 9.
Well bore treatment. D. C. Matthews. 2,186,575; Jan. 9.
Wells, Acidizing. J. T. Simmons. 2,186,349; Jan. 9.
Wells, Method of and apparatus for flowing. W. E. Niles. 2,186,035; Jan. 9.
Window having coupled sashes. E. S. Persson. 2,186,270; Jan. 9.
Wiper blade, Windshield. V. H. Christen. 2,186,193; Jan. 9.
Wire and other long flexible articles, Winding. R. S. Hargreaves, W. J. Clements, W. A. Brown, and A. Lawrenson. 2,186,106; Jan. 9.
Wire coils, Unwinding means for. H. C. Koch. 2,186,928; Jan. 9.
Wire twisting device. C. E. Barnett. 2,186,090; Jan. 9.
X-ray tube. S. Hirsch. 2,186,380; Jan. 9.
Yarn. J. Sultan. 2,186,396; Jan. 9.
Yarn conditioning process and composition therefor. J. B. Dickey. 2,186,628; Jan. 9.
Yarn, Continuous process for the manufacture of cellulose derivative cut staple. H. R. Childs. 2,186,135; Jan. 9.
Yarn treating process and composition therefor. J. B. Dickey and J. B. Normington. 2,186,630; Jan. 9.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 9, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1—	2: 2,186,892		4: 2,186,569		6: 2,186,172		19: 2,186,046		2,186,155	2—	8: 2,186,817
	41: 2,186,265		53: 2,186,002		86: 2,186,916		131: 2,186,266		2,186,267		146: 2,186,891
	150: 2,186,898	4—	10: 2,186,755		226: 2,186,625	5—	110: 2,186,884	8—	50: 2,186,629		74: 2,186,804
	105: 2,186,467		120: 2,186,899		122: 2,186,713		144— 2,186,770	12—	6: 2,186,902		27: 2,186,161
	142: 2,186,470		145: 2,186,141		146: 2,186,899	15—	28: 2,186,520		114: 2,186,822		126: 2,186,140
	167: 2,186,605		244: 2,186,060		245: 2,186,193	16—	40: 2,186,734		138: 2,186,318		176: 2,186,789
17—	1: 2,186,373	18—	16: 2,186,862		42: 2,186,160		48: 2,186,981		54: 2,186,135		55.1: 2,186,468
	59: 2,186,451		2,186,774	19—	141: 2,186,895	20—	1: 2,186,538		4: 2,186,611		53: 2,186,270
21—	6: 2,186,730		24: 2,186,643		71: 2,186,118		90: 2,186,600	22—	57: 2,186,280		90: 2,186,019
23—	89: 2,186,423		145: 2,186,920		140: 2,186,257		178: 2,186,453		230: 2,186,902	24—	40: 2,186,410
	84: 2,186,811		157: 2,186,681		163: 2,186,574		178: 2,186,819	204.5: 2,186,800			211: 2,186,557
	221: 2,186,746		2,186,747		241: 2,186,438		261: 2,186,886	25—	38: 2,186,361		45: 2,186,331
	121: 2,186,697	26—	1: 2,186,121	28—	1: 2,186,531		2,186,626		2,186,630	29—	33: Re.21,315
	89: 2,186,706		105: 2,186,417		2,186,423						

29—148.2: 2,186,185		2,186,322		155.55: 2,186,312		160.6: 2,186,682		163.5: 2,185,990	30—	15: 2,186,668	
43: 2,186,091		2,186,092		2,186,093		2,186,094		2,186,110		2,186,122	
121: 2,186,654		123: 2,186,627		241: 2,186,738		304: 2,186,420	31—	61: 2,186,253	33—	1: 2,186,677	
14: 2,186,325		66: 2,186,007	34—	1: 2,186,485		24: 2,186,067		12: 2,186,545	35—	70: 2,186,348	
108: 2,186,059		160: 2,186,688		36: 2,186,490		61: 2,186,787		120: 2,186,194	40—	2.2: 2,186,768	
17: 2,186,606		160: 2,186,564	66—	1.8: 2,186,603		9: 2,186,506		82: 2,186,197		125: 2,186,814	
148: 2,186,514	67—	63: 2,186,541	68—	277: 2,186,800	70—	208: 2,186,865		264: 2,186,546	72—	16: 2,186,460	
2,186,461		18: 2,186,684		41: 2,186,712		101: 2,186,577	73—	51: 2,186,014		2,186,339	
2,186,676		2,186,831		109: 2,186,871		2,186,872		110: 2,186,563		208: 2,186,307	74—
112: 2,186,662		117: 2,186,305		125: 2,186,920		242.8: 2,186,405		242.9: 2,186,808		260: 2,186,354	
268: 2,186,106		334: 2,186,896		348: 2,186,168		360: 2,186,522		462: Re.21,316		470: 2,186,653	
501: 2,186,181		520: 2,186,690	93—	1: 2,186,901		526: 2,186,620		566: 2,186,277		567: 2,186,250	
573: 2,186,263	75—	2: 2,186,779		21: 2,186,645		81: 2,186,676		114: 2,186,393		127: 2,186,328	
128: 2,186,710		2,185,996		130: 2,186,329		147: 2,186,394		155: 2,186,115		2,186,117	
158: 2,186,116		176: 2,186,447	76—	89: 2,186,715		105: 2,186,602		107: 2,186,799	77—	23: 2,186,294	
78— 103: 2,186,088		81— 3.1: 2,186,480		82— 33: 2,186,921		83— 9: 2,186,006		2,186,164		10: 2,186,506	
11: 2,186,647		94: 2,186,095		240: 2,186,466		267: 2,186,424		319: 2,186,390	87—	9: 2,186,271	
2,186,846		2.4: 2,186,806		2.7: 2,186,615		14: 2,186,915		16: 2,186,612		16.6: 2,186,062	
17: 2,186,013		2,186,618		18.4: 2,186,443		18.8: 2,186,753		20: 2,186,408		22: 2,186,206	
24: 2,186,049		2,186,123		2,186,320		2,186,619		26: 2,186,827		57: 2,186,605	
2,186,621		2,186,622		78: 2,186,258	80—	37.5: 2,186,026	90—	33: 2,186,379		57: 2,186,236	91—
60: 2,186,432		67.9: 2,186,756		67.95: 2,186,810		68: 2,186,018	103—	44: 2,186,411		57: 2,186,726	135—
2,186,454		2,186,750		69.1: 2,186,452	105—	48: 2,186,355		206: 2,186,008		215: 2,186,503	
243: 2,186,700	137—	13: 2,186,431		78: 2,186,923		111: 2,186,234		153: 2,186,024		138— 25: 2,186,551	
47: 2,186,766		130— 34: 2,186,692		385.5: 2,186,357		140— 119: 2,186,090		143— 199: 2,186,493		144— 293: 2,186,196	
146— 3: 2,186,671		2,186,672		28: 2,186,467		94: 2,186,565		95: 2,186,578		98: 2,186,084	
189: 2,186,716	148—	1: 2,186,659		6.5: 2,186,177		8: 2,186,017		2,186,579		17: 2,186,690	

149— 4: 2,186,509
150— 1.5: 2,186,491
11: 2,186,384
38: 2,186,650
152— 56: 2,186,759
209: 2,186,180
233: 2,186,475
2,186,528
362: 2,186,178
154— 1: 2,186,771
3: 2,186,775
2,186,776
14: 2,186,286
40: 2,186,124
155— 5.16: 2,186,220
50: 2,186,705
130: 2,186,866
177: 2,186,778
179: 2,186,548
184: 2,186,301
156— 27: 2,186,873
158— 35: 2,186,760
38: 2,186,128
91: 2,186,004
2,186,156
116: 2,186,588
159— 12: 2,186,282
164— 43: 2,186,884
54: 2,186,136
60: 2,186,061
69: 2,186,883
93: 2,186,594
166— 1: 2,186,323
2,186,488
10: 2,186,230
14: 2,186,139
20: 2,186,309
2,186,324
21: 2,186,035
2,186,349
2,186,875
167— 64: 2,186,729
81: 2,186,314
170— 163: 2,186,791
165: 2,186,064
177: 2,186,199
171— 95: 2,186,388
97: 2,186,473
119: 2,186,207
2,186,211
2,186,847
242: 2,186,222
252: 2,186,232
324: 2,186,240
172— 36: 2,186,494
179: 2,186,225
2,186,227
2,186,254
2,186,785
238: 2,186,495
293: 2,186,839
2,186,843
173— 244: 2,186,441
328: 2,186,674
2,186,703
330: 2,186,601
361: 2,186,656
2,186,751
174— 11: 2,186,444
2,186,445
25: 2,186,446
27: 2,186,793
72: 2,186,377
102: 2,186,442
112: 2,186,788
175— 41: 2,186,842
183: 2,186,212
175— 183: 2,186,727
2,186,826
335: 2,186,498
345: 2,186,340
355: 2,186,243
363: 2,186,239
2,186,244
2,186,815
366: 2,186,085
2,186,781
367: 2,186,074
177— 327: 2,186,000
2,186,008
329: 2,186,063
337: 2,186,911
339: 2,186,766
367: 2,186,163
178— 2: 2,186,246
5.2: 2,186,542
5.6: 2,186,634
2,186,898
5.8: 2,186,455
7.2: 2,186,742
7.5: 2,186,570
7.6: 2,186,931
19: 2,186,252
44: 2,186,146
2,186,578
2,186,702
2,186,932
58: 2,186,006
71: 2,186,150
2,186,741
179— 1: 2,186,072
2,186,103
2,186,500
4: 2,186,895
2,186,896
2,186,897
2,186,899
27: 2,186,219
2,186,317
31: 2,186,242
86: 2,186,315
100: 2,186,078
100.3: 2,186,157
115.5: 2,186,576
171: 2,186,195
2,186,933
180— 17: 2,186,306
69: 2,186,209
181— 31: 2,186,276
54: 2,186,062
183— 4: 2,186,844
18: 2,186,145
22: 2,186,125
79: 2,186,276
184— 6: 2,186,269
188— 38: 2,186,390
78: 2,186,321
2,186,834
79.5: 2,186,264
189— 1: 2,186,310
2,186,840
20: 2,186,190
46: 2,186,458
191— 45: 2,186,376
192— 5: 2,186,816
13: 2,186,332
55: 2,186,100
2,186,797
194— 101: 2,186,863
102: 2,186,862
195— 37: 2,186,906
196— 10: 2,186,021
2,186,022
2,186,029
196— 10: 2,186,031
2,186,275
13: 2,186,524
32: 2,186,398
36: 2,186,425
61: 2,186,585
142: 2,186,909
197— 45: 2,186,048
198— 134: 2,186,566
220: Re.21,318
2,186,472
199— 59: 2,186,901
200— 6: 2,186,342
52: 2,186,597
54: 2,186,818
59: 2,186,055
87: 2,186,251
98: 2,186,670
114: 2,186,640
2,186,813
119: 2,186,920
125: 2,186,165
142: 2,186,112
153: 2,186,765
162: 2,186,476
166: 2,186,245
2,186,313
171: 2,186,638
172: 2,186,749
201— 55: 2,186,154
202— 46: 2,186,298
51: 2,186,617
105: 2,186,160
151: 2,186,237
205: 2,186,669
204— 1: 2,186,721
7: 2,186,523
206— 7: 2,186,269
2,186,391
44: 2,186,071
2,186,170
46: 2,186,231
56: 2,186,205
209— 37: 2,186,167
82: 2,186,603
97: 2,186,652
111: 2,186,196
138: 2,186,404
318: 2,186,210
477: 2,186,599
210— 2: 2,186,371
51.5: 2,186,041
72: 2,186,704
74: 2,186,836
169: 2,186,440
176: 2,186,790
188: 2,186,501
202: 2,186,289
211— 51: 2,186,343
70: 2,186,151
142: 2,186,883
212— 59: 2,186,372
104: 2,186,783
213— 46: 2,186,267
214— 1.1: 2,186,478
15: 2,186,292
16.1: 2,186,854
38: 2,186,463
62: 2,186,737
215— 38: 2,186,588
2,186,908
217— 66: 2,186,743
68: 2,186,102
218— 0.5: 2,186,841
219— 4: 2,186,319
8: 2,186,158
11: 2,186,626
219— 21: 2,186,647
25: 2,186,930
220— 1: 2,186,529
4: 2,186,365
9: 2,186,905
10: 2,186,338
54: 2,186,580
61: 2,186,518
88: 2,186,752
221— 15: 2,186,326
60: 2,186,449
2,186,644
2,186,879
67: 2,186,089
2,186,082
2,186,083
95: 2,186,358
135: 2,186,471
223— 1: 2,186,552
12: 2,186,663
22: 2,186,261
57: 2,186,192
88: 2,186,076
224— 4: 2,186,089
26: 2,186,191
225— 9: 2,186,723
226— 76: 2,186,651
115: 2,186,526
228— 15: 2,186,119
229— 17: 2,186,827
23: 2,186,111
39: 2,186,777
61: 2,186,109
230— 97: 2,186,414
182: 2,186,492
221: 2,186,623
242: 2,186,142
233— 22: 2,186,522
234— 61: 2,186,268
235— 50: 2,186,642
60: 2,186,265
2,186,347
92: 2,186,922
237— 8: 2,186,860
9: 2,186,680
51: 2,186,539
238— 10: 2,186,186
240— 2.18: 2,186,200
10: 2,186,469
25: 2,186,079
44.2: 2,186,439
242— 9: 2,186,820
25: 2,186,106
121: 2,186,133
123: 2,186,745
129: 2,186,928
244— 38: 2,186,558
42: 2,186,221
102: 2,186,266
126: 2,186,183
246— 130: 2,186,201
2,186,794
2,186,800
248— 126: 2,186,300
274: 2,186,496
289: 2,186,241
343: 2,186,607
249— 46: 2,186,575
250— 8: 2,186,291
11: 2,186,422
2,186,554
2,186,867
17: 2,186,068
20: 2,186,099
2,186,184
2,186,208
2,186,247
250— 20: 2,186,823
2,186,825
27: 2,186,130
2,186,393
2,186,635
27.5: 2,186,127
2,186,180
2,186,215
2,186,563
30: 2,186,434
2,186,644
2,186,571
39: 2,186,182
40: 2,186,826
41.5: 2,186,218
52: 2,186,401
63: 2,186,107
63: 2,186,757
145: 2,186,380
158: 2,186,636
157: 2,186,595
251— 24: 2,186,833
87: 2,186,657
119: 2,186,489
156: 2,186,499
252— 6: 2,186,248
2,186,661
254— 25: 2,186,333
100: 2,186,238
139: 2,186,720
255— 61: 2,186,725
257— 126: 2,186,837
179: 2,186,853
233: 2,186,077
259— 14: 2,186,345
260— 1: 2,186,017
9: 2,186,821
25: 2,186,406
30: 2,186,369
2,186,687
33: 2,186,714
73: 2,186,508
86: 2,186,359
2,186,360
113: 2,186,694
141: 2,186,722
204: 2,186,226
206: 2,186,389
212: 2,186,101
240: 2,186,608
295: 2,186,773
302: 2,186,419
2,186,420
2,186,421
226: 2,186,754
377: 2,186,769
400: 2,186,308
404: 2,186,464
451: 2,186,688
498: 2,186,437
512: 2,186,132
514: 2,186,249
534: 2,186,162
558: 2,186,274
584: 2,186,392
612: 2,186,367
614: Re.21,314
635: 2,186,272
649: 2,186,366
666: 2,186,370
673: 2,186,500
815: 2,186,202
261— 14: 2,186,697
34: 2,186,480
65: 2,186,829
94: 2,186,152
262— 31: 2,186,012
33: 2,186,502
263— 19: 2,186,877
29: 2,186,675
44: 2,186,740
265— 14: 2,186,213
17: 2,186,824
37: 2,186,830
49: 2,186,256
266— 4: 2,186,856
23: 2,186,096
39: 2,186,382
267— 11: 2,186,279
64: 2,186,011
268— 19: 2,186,311
271— 2.3: 2,186,798
272— 1: 2,186,606
33: 2,186,543
57: 2,186,016
78: 2,186,408
273— 33: 2,186,067
35: 2,186,337
145: 2,186,465
275— 2: 2,186,407
277— 53: 2,186,481
279— 121: 2,186,504
280— 11.35: 2,186,479
33.2: 2,186,848
36: 2,186,368
61: 2,186,080
87.01: 2,186,559
95: 2,186,287
124: 2,186,065
282: 2,186,561
281— 5: 2,186,304
282— 9: 2,186,547
284— 18: 2,186,457
286— 7: 2,186,664
29: 2,186,786
30: 2,186,537
287— 14: 2,186,483
100: 2,186,640
103: 2,186,763
117: 2,186,482
288— 1: 2,186,284
290— 30: 2,186,217
292— 33: 2,186,385
64: 2,186,795
164: 2,186,058
170: 2,186,666
228: 2,186,905
254: 2,186,903
350: 2,186,678
293— 55: 2,186,137
2,186,805
296— 28: 2,186,689
298— 38: 2,186,796
299— 50: 2,186,214
107.5: 2,186,216
120: 2,186,804
301— 37: 2,186,550
303— 11: 2,186,320
304— 7: 2,186,484
308— 24.1: 2,186,233
36.6: 2,186,153
117: 2,186,476
184: 2,186,665
309— 11: 2,186,370
32: 2,186,020
311— 7: 2,186,660
106: 2,186,531
312— 94: 2,186,868
140: 2,186,277

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,315:	29— 33	2,186,202:	260— 815	2,186,344:	183— 79	2,186,482:	287— 117
2,186,000:	177— 327	2,186,203:	95— 61	2,186,352:	99— 198	2,186,492:	220— 182
2,186,013:	88— 17	2,186,206:	38— 22	2,186,353:	98— 113	2,186,504:	279— 121
2,186,033:	259— 14	2,186,230:	166— 210	2,186,358:	221— 95	2,186,528:	152— 233
2,186,044:	99— 133	2,186,249:	260— 514	2,186,365:	220— 4	2,186,541:	67— 63
2,186,051:	46— 78	2,186,250:	74— 567	2,186,371:	210— 2	2,186,575:	249— 46
2,186,095:	83— 94	2,186,253:	74— 573	2,186,385:	202— 33	2,186,581:	110— 29
2,186,131:	61— 25	2,186,274:	260— 558	2,186,389:	260— 205	2,186,586:	24— 261
2,186,143:	128— 20	2,186,289:	210— 202	2,186,393:	250— 27	2,186,590:	260— 673
2,186,145:	183— 18	2,186,298:	202— 46	2,186,404:	209— 136	2,186,617:	202— 51
2,186,167:	209— 37	2,186,300:	248— 125	2,186,474:	122— 473	2,186,637:	30— 123
2,186,635:	250— 27	2,186,824:	265— 17
2,186,636:	250— 153	2,186,829:	261— 65
2,186,688:	260— 451	2,186,844:	183— 4
2,186,704:	210— 72	2,186,869:	120— 14
2,186,726:	103— 57	2,186,873:	156— 27
2,186,754:	260— 326	2,186,878:	146— 95
2,186,757:	250— 65	2,186,885:	112— 151
2,186,759:	152— 56	2,186,900:	62— 115
2,186,771:	154— 1	2,186,906:	195— 37
2,186,793:	174— 27	2,186,917:	260— 1
2,186,809:	24—205.5		

U. S. GOVERNMENT PRINTING OFFICE. 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Agfa Ansco Corporation, Binghamton, N. Y. X-ray film. Serial No. 425,680; Jan. 16. Class 26.

Ajax Manufacturing Company. (See Granoff, G. Sidney.)

Allied Materials Corporation, Oklahoma City, Okla. Emulsified asphalt. Serial No. 425,543; Jan. 16. Class 12.

Allied Materials Corporation, Oklahoma City, Okla. Asphalt and asphalt composition. Serial No. 425,544; Jan. 16. Class 12.

Allied Materials Corporation, Oklahoma City, Okla. Asphalt surface dressing. Serial No. 425,545; Jan. 16. Class 12.

American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 424,419; Jan. 16. Class 46.

American Colloid Co., Chicago, Ill. Clays. Serial No. 424,331; Jan. 16. Class 1.

American Supercraft Corporation, Chicago, Ill. Self propelled toy miniature motor boats. Serial No. 425,265; Jan. 16. Class 22.

American Supercraft Corporation, Chicago, Ill. Self propelled toy miniature automobile racers. Serial No. 425,266; Jan. 16. Class 22.

American Tailor and Cutter, Inc., New York, N. Y. Publication. Serial No. 425,549; Jan. 16. Class 38.

Anderson Company, The, Gary, Ind. Hand glass cleaner. Serial No. 419,648; Jan. 16. Class 4.

Arden, Elizabeth, Inc., New York, N. Y. Perfume. Serial No. 425,550; Jan. 16. Class 6.

Armor Paint Co., Inc., New York, N. Y. Paints and varnishes. Serial No. 425,132; Jan. 16. Class 16.

Art Hand Made Carriage Cover Co., New York, N. Y. Infants' and children's blankets, buntings and carriage covers. Serial No. 426,239; Jan. 16. Class 42.

Ball, Roome Van B., Pompton Plains, N. J. Children's dresses, suits, sweaters, etc. Serial No. 424,076; Jan. 16. Class 39.

Barber, W. H., Company, Minneapolis, Minn. Gear lubricant. Serial No. 425,324; Jan. 16. Class 15.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial No. 424,679; Jan. 16. Class 42.

Bates, Hamilton C., Chester, Conn. Sewing kits and sewing sets, knitting kits, etc. Serial No. 423,545; Jan. 16. Class 40.

Bemco Mfg. Co. (See Vincent, Otto J.)

Bishinger-Naturelle Corporation, Pittsburgh, Pa. Permanent hair waving machines. Serial No. 419,493; Jan. 16. Class 44.

Blue Belle Frocks, Incorporated, New York, N. Y. Misses' dresses. Serial No. 423,157; Jan. 16. Class 39.

Boeing Aircraft Company, Seattle, Wash. Airplanes and structural parts thereof. Serial No. 422,536; Jan. 16. Class 19.

Bristol & Martin Inc., New York, N. Y. Games and toys. Serial No. 424,951; Jan. 16. Class 22.

Bruce-Bennett Co. (See Johnson, Bruce.)

Bubble Up Company. (See Schneeberger, Leroy O.)

Buffalo Rubber & Supply, Inc., Buffalo, N. Y. Bowling pins. Serial No. 425,138; Jan. 16. Class 22.

Bulova Watch Company Inc., New York, N. Y. Watches. Serial No. 425,848; Jan. 16. Class 27.

California Container Corporation, Emeryville, Calif. Boxes, cases, shipping containers, etc. Serial No. 425,556; Jan. 16. Class 2.

Campbell, Pierre, Yonkers, N. Y. Hats. Serial No. 424,867; Jan. 16. Class 39.

Cannay Publishing Company, Boston, Mass. Magazine. Serial No. 425,025; Jan. 16. Class 38.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 426,050–1; Jan. 16. Class 42.

Celotex Corporation, The, Chicago, Ill. Fiber products. Serial No. 425,390; Jan. 16. Class 12.

Charles, Burton R., Arcadia, Calif. Electrical heating pads, blankets, and coils for therapeutic purposes. Serial No. 412,543; Jan. 16. Class 44.

Charles Wine & Import Company. (See Goldfus, Charles.)

Charlotte Mercantile Company, Charlotte, N. C. Ladies' hosiery. Serial No. 425,878; Jan. 16. Class 39.

Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Motor vehicle bodies. Serial No. 399,701; Jan. 16. Class 19.

Chipman Knitting Mills, Easton, Pa., and New York, N. Y. Hosiery. Serial No. 425,511; Jan. 16. Class 39.

Cochran, Robt. T., Co., Incorporated, New York, N. Y., and Tracy, Calif. Fresh deciduous fruits, fresh vegetables. Serial No. 425,983; Jan. 16. Class 46.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 425,777; Jan. 16. Class 42.

Common Sense Products, Inc., Clinton, N. Y. Dog food. Serial No. 425,559; Jan. 16. Class 46.

Concord Textile Co. (See Weinstein, Max H.)

Consolidated Razor Blade Co., Inc., Jersey City, N. J. Razor blades. Serial No. 425,851; Jan. 16. Class 23.

Continental Mills, Inc., Philadelphia, Pa. Cloths, jersey cloths, elderdowns, etc. Serial No. 425,393; Jan. 16. Class 42.

Cooper, McDougall & Robertson Limited, Berkhamsted, England. Supplementary food for dogs. Serial No. 423,160; Jan. 16. Class 46.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic condensers. Serial No. 403,360; Jan. 16. Class 21.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 426,187; Jan. 16. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 426,189; Jan. 16. Class 6.

Crocetta Bros. & Co., Inc., Gloversville, N. Y. Dress gloves. Serial No. 424,294; Jan. 16. Class 39.

Crucible Steel Company of America, New York, N. Y. Metal working bits. Serial No. 424,906; Jan. 16. Class 23.

Delco-Remy Division of General Motors Corporation. (See General Motors Corporation.)

Demartini, L., Company, The, San Francisco, Calif. Prepared fruits. Serial No. 425,460; Jan. 16. Class 46.

Dermyl-Thetics Company, The, Cleveland, Ohio. Cosmetic preparations. Serial No. 412,331; Jan. 16. Class 6.

Diamond Power Specialty Corporation, Detroit, Mich. Boiler flue gas dedusting units, gas washing units, and parts thereof. Serial No. 413,545; Jan. 16. Class 34.

Dobkowitz, Bernhard K., San Francisco, Calif. Pencil pointer. Serial No. 425,045; Jan. 16. Class 37.

Domino Shortening Co. (See Lookout Oil & Refining Company.)

Eagle Clothes, New York, N. Y. Overcoats, topcoats, suits, etc. Serial No. 425,463; Jan. 16. Class 39.

Edwards, Lee, Corporation, New York, N. Y. Twine and cordage. Serial No. 424,482; Jan. 16. Class 7.

Edwards, Lee, Corporation, New York, N. Y. Cotton yarns. Serial No. 424,731; Jan. 16. Class 43.

Elk River Coal and Lumber Company, Dundon, W. Va., and Columbus, Ohio. Coal. Serial No. 425,142; Jan. 16. Class 1.

Eller, J. H., & Co., doing business as Savoree Foods, Clay Center, Nebr. Wheat cereal food. Serial No. 423,943; Jan. 16. Class 46.

Everedy Company, The, Frederick, Md. Base metal cooking hollowware. Serial No. 425,395; Jan. 16. Class 13.

Fansteel Metallurgical Corporation, North Chicago, Ill. Metals and alloys thereof. Serial No. 425,034; Jan. 16. Class 14.

Fight Stories, Inc., New York, N. Y. Periodical. Serial No. 424,719; Jan. 16. Class 38.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires and tubes. Serial No. 415,114; Jan. 16. Class 35.

Fischer, Harry, & Company, Philadelphia, Pa. Topcoats and overcoats. Serial No. 425,613; Jan. 16. Class 39.

Foote Company, Inc., The, Nunda, N. Y. Pavers. Serial No. 425,780; Jan. 16. Class 23.

French, Martin W., Los Angeles, Calif. Ground rabbit meat. Serial No. 424,328; Jan. 16. Class 46.

Fukuhara, T., Arroyo Grande, Calif. Fresh vegetables. Serial No. 420,947; Jan. 16. Class 46.

Gates Rubber Company, The, Denver, Colo. Camel back, tread rubber, recap rubber, and tire and tube repair materials. Serial No. 423,462; Jan. 16. Class 35.

Gem Products. (See Michael, Eva.)

General Food Products Co. (See Safeway Stores, Inc.)

General Motors Corporation, Detroit, Mich., doing business as Delco-Remy Division of General Motors Corporation, Anderson, Ind. Sounding horns, signals, and alarms, and parts thereof. Serial No. 425,781; Jan. 16. Class 21.

Glaser, H., & Son, Inc., Boston, Mass. Ladies' hosiery. Serial No. 425,332; Jan. 16. Class 39.

Golden West Milling Company. (See Wikstraud, V. E.)

Goldfus, Charles, doing business as Charles Wine & Import Company, Minneapolis, Minn. Bourbon whiskey. Serial No. 416,324; Jan. 16. Class 49.

Goldman-Kolber Co., Inc., The, New York, N. Y. Finger rings, bracelets, ear rings, etc. Serial No. 425,238; Jan. 16. Class 28.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Hose for conveying corrosive fluids, belting, etc. Serial No. 425,469; Jan. 16. Class 35.

Granoff, G. Sidney, doing business as Ajax Manufacturing Company, Providence, R. I. Wool and mohair laundry press cloth. Serial No. 426,253; Jan. 16. Class 42.

Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oils. Serial No. 425,783; Jan. 16. Class 15.

Hansen, A. L., Mfg. Co., Chicago, Ill. Machine staples. Serial No. 424,959; Jan. 16. Class 13.

Hercules Powder Company, Wilmington, Del. Cleaning compound. Serial No. 425,739; Jan. 16. Class 4.
Horton Manufacturing Company, Fort Wayne, Ind. Ironing machines. Serial No. 426,057; Jan. 16. Class 24.
Houghton, E. F., & Co., Philadelphia, Pa. Leather check straps and bumper straps for use on textile machinery. Serial No. 424,519; Jan. 16. Class 23.
Huiskamp Brothers Co., Keokuk, Iowa. Women's shoes. Serial No. 423,213; Jan. 16. Class 39.
Ideal Roller and Manufacturing Company, Chicago, Ill. Resilient rollers. Serial No. 425,892; Jan. 16. Class 23.
International Chemical Company, Chicago, Ill. Mixtures of detergent materials for cleaning surfaces. Serial No. 424,727; Jan. 16. Class 4.
Irwill Knitwear Corp., New York, N. Y. Ladies' and misses' sweaters and play suits. Serial No. 425,114; Jan. 16. Class 39.
Johns-Manville Corporation, New York, N. Y. Mineral wool insulation. Serial No. 419,227; Jan. 16. Class 12.
Johnson, Bruce, doing business as Bruce-Bennett Co., Providence, R. I. Display cabinets. Serial No. 425,413; Jan. 16. Class 32.
Kason Hardware Corporation, New York, N. Y. Latches and locks. Serial No. 424,917; Jan. 16. Class 25.
Kelly, Henry, & Sons, Inc., New York, N. Y. Wines. Serial No. 425,283; Jan. 16. Class 47.
Kent, Roger, Inc., New York, N. Y. Men's clothing. Serial No. 425,646; Jan. 16. Class 39.
Kimble Glass Company, Vineland, N. J. Glass rods and tubing. Serial No. 425,414; Jan. 16. Class 33.
Kistler, V. B., Merc. Co. (See Poehler, Theo., Mercantile Co., The.)
Kleinert, I. B., Rubber Company, New York, N. Y. Brassières, girdles, corsets, etc. Serial No. 425,790; Jan. 16. Class 39.
Kleinmann Corporation, New York, N. Y. Neckties and cut-out linings. Serial No. 426,001; Jan. 16. Class 39.
Knowlton, Wm., & Sons Company, Inc., West Upton, Mass. Women's hats. Serial No. 425,963; Jan. 16. Class 39.
Koch, George, Sons, Inc., Evansville, Ind. Flower pots. Serial No. 424,521; Jan. 16. Class 30.
Korn, Geo., & Sons, Brooklyn, N. Y. Dressed turkeys. Serial No. 425,002; Jan. 16. Class 46.
Kové, Bertha, Newark, N. J. Designs for textiles, wallpaper, linoleum, etc. Serial No. 425,573; Jan. 16. Class 38.
Kuhls, H. B. Fred, Estate of, New York, N. Y. Preparation in the nature of a caulking compound. Serial No. 421,807; Jan. 16. Class 12.
La Resista Corset Company, The, Bridgeport, Conn. Ladies' foundation slips, corsets, corselets, etc. Serial No. 426,096; Jan. 16. Class 39.
Letourneau, R. G., Inc., Peoria, Ill. Earth-working implements. Serial No. 425,838; Jan. 16. Class 23.
Loma Linda Food Company, Arlington, Calif. Breakfast food. Serial No. 421,886; Jan. 16. Class 46.
Longines-Wittnauer Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 425,797; Jan. 16. Class 27.
Lookout Oil & Refining Company, doing business as Domino Shortening Co., Chattanooga, Tenn., and Chicago, Ill. Refined cotton seed oil. Serial No. 426,137; Jan. 16. Class 46.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Dresses. Serial No. 426,062; Jan. 16. Class 39.
Marine Optical Mfg. Co., Boston, Mass. Spectacle frames, eye glasses, goggles, etc. Serial No. 425,743; Jan. 16. Class 26.
Market Wholesale Grocery Co., doing business as Mascot Products, Chicago, Ill. Concentrated soup. Serial No. 421,191; Jan. 16. Class 46.
Marlboro Shirt Co., Inc., Baltimore, Md. Men's sport coats and outer wear. Serial No. 425,800; Jan. 16. Class 39.
Mascot Products. (See Market Wholesale Grocery Co.)
McCord-Kistler Merc. Co. (See Poehler, Theo., Mercantile Co., The.)
Meyer, Fred, Inc., Portland, Oreg. Ice cream. Serial No. 412,653; Jan. 16. Class 46.
Michael, Eva, doing business as Gem Products, New York, N. Y. Rectal ointment. Serial No. 425,478; Jan. 16. Class 6.
Miller Bros. Wall Paper Co., doing business as Rainbo Wall Paper Co., Cincinnati, Ohio. Wall paper. Serial No. 419,679; Jan. 16. Class 37.
Mobile Paint Manufacturing Company of Delaware, Inc., doing business as Port City Paint Works, Wilmington, Del., and Mobile, Ala. Paint, paint enamels, and varnishes. Serial No. 425,358; Jan. 16. Class 16.
Morley, I. & R., Limited, London, England. Hosiery, underwear, gloves, etc. Serial No. 424,857; Jan. 16. Class 39.
Mosaic Tile Company, The, Zanesville, Ohio. Tile. Serial No. 419,928; Jan. 16. Class 12.
Muller, Ignatius I., New York, N. Y. Oil and gasoline separators. Serial No. 424,454; Jan. 16. Class 23.
NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial No. 425,619; Jan. 16. Class 38.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Heat responsive test paper. Serial No. 425,250; Jan. 16. Class 26.
Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses and shirts. Serial No. 425,751; Jan. 16. Class 39.
New Wrinkle, Inc., Dayton, Ohio. Paints, paint enamels, and varnishes. Serial No. 424,437; Jan. 16. Class 16.
Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. Serial No. 425,666; Jan. 16. Class 37.
Orange Smile Sirup Company, The, doing business as The Smile Sirup Company, St. Louis, Mo. Syrup concentrate for making soft drinks. Serial No. 423,617; Jan. 16. Class 45.
Orbis Products Corporation, New York, N. Y. Olive oil and oil of peppermint. Serial No. 416,383; Jan. 16. Class 46.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. Serial Nos. 425,163–4; Jan. 16. Class 38.
Patricia Petticoat Co., Inc., The, New York, N. Y. Slips, petticoats, nightgowns, etc. Serial No. 425,486; Jan. 16. Class 39.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. Serial No. 424,179; Jan. 16. Class 16.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. Serial No. 425,299; Jan. 16. Class 16.
Phillips Brothers Corporation, Baltimore, Md. Beverages and syrups for making same. Serial No. 426,342; Jan. 16. Class 45.
Pickrell, George D., doing business as Geo. Pickrell Lab., Chicago, Ill. Pre-shaving powder. Serial No. 420,871; Jan. 16. Class 4.
Pocket Books, Inc., New York, N. Y. Books. Serial No. 424,493; Jan. 16. Class 38.
Poehler, Theo., Mercantile Co., The, doing business as McCord-Kistler Merc. Co., and V. B. Kistler Merc. Co., Lawrence, Mass. Canned fruits, vegetables, and berries, canned sauer kraut, etc. Serial No. 425,753; Jan. 16. Class 46.
Port City Paint Works. (See Mobile Paint Manufacturing Company of Delaware, Inc.)
Powertown Tire and Rubber Co. (See Rubens, Barney.)
Rainbo Wall Paper Co. (See Miller Bros. Wall Paper Co.)
Ralston Purina Company, St. Louis, Mo. Poultry and stock feed. Serial No. 417,713; Jan. 16. Class 46.
Red Star Yeast and Products Co., Milwaukee, Wis. Compressed yeast. Serial No. 426,107; Jan. 16. Class 46.
Rubens, Barney, doing business as Powertown Tire and Rubber Co., Rochester, N. Y. Automobile tires. Serial No. 423,712; Jan. 16. Class 35.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, Calif. Canned fruits. Serial No. 423,676; Jan. 16. Class 46.
St. Pierre Chain Corporation, Worcester, Mass. Tire chains. Serial No. 424,742; Jan. 16. Class 13.
Salta Knitting Mills, Inc., New York, N. Y. Women's dresses, suits, and sweaters. Serial No. 425,628; Jan. 16. Class 39.
Savoree Foods. (See Eller, J. H., & Co.)
Sawyer, Regan Company, Dalton, Mass. Cloth in the piece. Serial No. 425,368; Jan. 16. Class 42.
Schering Corporation, Bloomfield, N. J. Medicinal estrogenic hormone preparation. Serial No. 426,346; Jan. 16. Class 6.
Schmidt, C., Co., The, Cincinnati, Ohio. Refrigerators and refrigerated display cases. Serial No. 421,258; Jan. 16. Class 31.
Schneeberger, Leroy O., doing business as Bubble Up Company, St. Louis, Mo. Beverage. Serial No. 425,843; Jan. 16. Class 45.
Sears, Roebuck and Co., Chicago, Ill. Radio receivers. Serial No. 405,783; Jan. 16. Class 21.
Sharples Corporation, The, Philadelphia, Pa. Centrifugal separators. Serial No. 422,298; Jan. 16. Class 23.
Sharples Corporation, The, Philadelphia, Pa. Centrifugal separators. Serial No. 423,638; Jan. 16. Class 23.
Simberg, Harry, Mattapan, Mass. Ice cream and frozen desserts. Serial No. 425,124; Jan. 16. Class 46.
Smile Sirup Company, The. (See Orange Smile Sirup Company, The.)
Standard Oil Company of New Jersey, Wilmington, Del. Liquid gloss, floor dressings, polish. Serial No. 425,433; Jan. 16. Class 16.
Stephano Brothers, Philadelphia, Pa. Smoking tobacco. Serial No. 424,246; Jan. 16. Class 17.
Stitt & Howell, Inc., New York, N. Y. Paddings for floor coverings and rug cushions. Serial No. 425,813; Jan. 16. Class 50.
Stitt & Howell, Inc., New York, N. Y. Linoleum and oiled cloth. Serial No. 425,814; Jan. 16. Class 20.
Straus, Royer & Straus, Baltimore, Md. Chambray, poplin, wool jersey, etc. Serial No. 420,295; Jan. 16. Class 42.
Strauss, B. M. & J., Ltd., London, England. Cognac brandy. Serial No. 425,168; Jan. 16. Class 49.
Susquehanna Waist Company. (See Netzky, William.)
Sussberg & Feinberg, Inc., New York, N. Y. Lingerie. Serial No. 426,038; Jan. 16. Class 39.
Tailorbrooke Clothes, Inc., New York, N. Y. Suits and coats. Serial Nos. 425,818–19; Jan. 16. Class 39.
Tarr Pharmacal Co., assignor to Tarr Drug, Inc., Cleveland, Ohio. Healing antiseptic lotion for eyes. Serial No. 424,108; Jan. 16. Class 6.

Tarr Pharmacal Co., assignor to Tarr Drug, Inc., Cleveland, Ohio. Antiseptic ointment and analgesic dressing. Serial No. 424,110; Jan. 16. Class 6.
Tarr Pharmacal Co., assignor to Tarr Drug, Inc., Cleveland, Ohio. Nose drops. Serial No. 424,112; Jan. 16. Class 6.
Tarr Pharmacal Co., assignor to Tarr Drug, Inc., Cleveland, Ohio. Medical preparation. Serial No. 424,113; Jan. 16. Class 6.
Tischler, Kenneth, New York, N. Y. Dresses. Serial No. 425,865; Jan. 16. Class 39.
Triple-A-Specialty Company, Chicago, Ill. Electric battery cables. Serial No. 425,904; Jan. 16. Class 21.
Triple-A-Specialty Company, Chicago, Ill. Electric battery terminals. Serial No. 425,905; Jan. 16. Class 21.
Tri-State Produce Co., Inc., Anthony, N. Mex. Fresh fruits. Serial No. 422,387; Jan. 16. Class 46.
Turco Products, Inc., Los Angeles, Calif. Synthetic cleaning agent. Serial No. 413,920; Jan. 16. Class 4.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles for axes, hatchets, etc. Serial No. 424,417; Jan. 16. Class 23.
UCO Food Corporation, Newark, N. J. Toilet tissue, paper napkins, paper towels, etc. Serial No. 426,075; Jan. 16. Class 37.
Underwood Elliott Fisher Company, New York, N. Y. Manifolding packs or rolls of carbon paper. Serial No. 417,942; Jan. 16. Class 11.
Underwood Elliott Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 417,944; Jan. 16. Class 11.
Union Oil Company of California, Los Angeles, Calif. Gasoline and similar internal combustion engine fuels. Serial No. 417,041; Jan. 16. Class 15.
United Cigar-Whelan Stores Corporation, New York, N. Y. Syringes, combination syringes, douche vaginals, etc. Serial No. 424,980; Jan. 16. Class 44.
Universal Microphone Co., Ltd., Inglewood, Calif. Electrical phonograph recording machines, and playback equipment, and parts thereof. Serial No. 421,680; Jan. 16. Class 36.
Van Camp Sea Food Co. Inc., Terminal Island, Calif. Refined fish oil, fish oil and fish meal. Serial No. 396,940; Jan. 16. Class 46.
Verdura, Inc., New York, N. Y. Bracelets. Serial No. 425,595; Jan. 16. Class 28.
Vincent, Otto J., doing business as Bemco Mfg. Co., Seattle, Wash. Refrigerating cabinets. Serial No. 421,829; Jan. 16. Class 31.
Weinstein, Max H., doing business as Concord Textile Co., New York, N. Y. Textile fabrics in the piece. Serial No. 420,395; Jan. 16. Class 42.
Whiting, E. B. & A. C., Company, Burlington, Vt. Rubberized fibrous masses for use in pads, cushions, and mattresses. Serial No. 425,074; Jan. 16. Class 32.
Wieder, S., Co., Inc., New York, N. Y. Dresses. Serial No. 425,126; Jan. 16. Class 39.
Wikstrand, V. E., doing business as Golden West Milling Company, Longmont, Colo. Chocolate coated and malted milk coated wheat cereal. Serial No. 424,283; Jan. 16. Class 46.
Woodall, Carl, Los Angeles, Calif. Artificial limbs. Serial No. 424,326; Jan. 16. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Mills, The, Hopkinsville, Ky., assignor to Ragland, Potter & Company, Inc., Nashville, Tenn. Self-rising wheat-flour. 131,949; renewed June 8, 1940.
Adelson & Segall, New York, N. Y. Watches, watch cases, watch movements, etc. 374,557; Jan. 16; Serial No. 419,539; published Nov. 7, 1939. Class 27.
Albuson Company, Akron, Ohio. Bubble blower toy. 374,547; Jan. 16; Serial No. 409,668; published Nov. 7, 1939. Class 22.
Alling & Cory Company, The, Rochester, N. Y. Wrapping-paper. 131,014; renewed May 4, 1940.
Anaconda Wire & Cable Co., New York, N. Y. Electrical joint insulating compound. 374,568; Jan. 16; Serial No. 422,035; published Nov. 7, 1939. Class 21.
Animal Trap Company of America. (See Bridell, Chas. D., Inc., assignor.)
Apex Coal Company, Kansas City, Mo. Coal. 374,577; Jan. 16; Serial No. 422,435; published Nov. 7, 1939. Class 1.
Arnold, Schwinn & Company, Chicago, Ill. Bicycles. 374,545; Jan. 16; Serial No. 396,064; published Nov. 7, 1939. Class 19.
Atlas Powder Company, Wilmington, Del. Paints and paint enamels, paint colors, etc. 374,566; Jan. 16; Serial No. 421,921; published Nov. 7, 1939. Class 16.
Barnard Bakeshops Inc., The, Binghamton, N. Y. Bread, and pastry products. 374,551; Jan. 16; Serial No. 417,995; published Nov. 7, 1939. Class 46.
Barr, F. E., & Company, Chicago, Ill. Antiseptic liquid. 128,618; renewed Jan. 13, 1940.
Barrett, Charles H., doing business as Dool Tool Co., Portland, Oreg. Socket wrenches. 374,575; Jan. 16; Serial No. 422,352; published Nov. 7, 1939. Class 23.
Benet, Harry, Inc., Cincinnati, Ohio. Whiskey. 374,624; Jan. 16; Serial No. 423,907; published Nov. 7, 1939. Class 49.
Boisselier, Earl D., Glen Ellyn, Ill. Toy wood modeling set and parts thereof. 374,604; Jan. 16; Serial No. 423,253; published Oct. 31, 1939. Class 22.
Bommer, Emil, deceased, Brooklyn, N. Y.; to John F. Voelkel, Brooklyn, N. Y., and Charles F. Gehrmann, Bloomfield, N. J., executors of the estate. Builders' hardware. 129,127; renewed Jan. 27, 1940.
Botany Worsted Mills, Passaic, N. J. Woolen hand knitting yarn. 374,640; Jan. 16. Class 43.
Bridell, Chas. D., Inc., Crisfield, Md., assignor to Animal Trap Company of America, Lititz, Pa. Animal traps. 374,593; Jan. 16; Serial No. 422,922; published Nov. 7, 1939. Class 50.
Burt, Harry B., Tulsa, Okla. Food beverages and a preparation for making the same. 374,642; Jan. 16. Class 46.
Burton Products, Inc., Paterson, N. J. Beer and ale. 374,646; Jan. 16. Class 48.
Caledonian Bonding Co., Ltd. (See Hamilton, A. K., & Co., Inc., assignor.)
Calesco Corporation, Lynn, Mass. Warm air heating and air conditioning units. 374,563; Jan. 16; Serial No. 421,473; published Nov. 7, 1939. Class 34.
Cap-Sheaf Bread Company. (See Entire Wheat Bread Company.)
Cardinal Laboratories, Inc., Chicago, Ill. Polishes and compounds for treating shoes and other leather goods. 374,583; Jan. 16; Serial No. 422,735; published Nov. 7, 1939. Class 4.
Carolina Bagging Company, The, Henderson, N. C. Jute rug pads. 374,570; Jan. 16; Serial No. 422,169; published Nov. 7, 1939. Class 50.
Chin & Lee Co., Inc., New York, N. Y. Culinary preparations. 374,553; Jan. 16; Serial No. 418,819; published Nov. 7, 1939. Class 46.
Cohen, Charles S., assignor, by mesne assignments, to National Dental Company, Newark, N. J. Preparation for the amelioration of pyorrhea alveolaris, gingivitis, etc. 128,654; renewed Jan. 13, 1940.
Colorado Milling & Elevator Co., The, Denver and Pueblo, Colo. Wheat-flour. 131,433; renewed May 18, 1940.
Continental Oil Company. (See Wells, Henry M., assignor.)
Copymaster Co., Miami, Okla. Copy holders. 374,581; Jan. 16; Serial No. 422,617; published Nov. 7, 1939. Class 37.
Corn Products Refining Company, New York, N. Y. Preparation for making chocolate flavored milk. 374,601; Jan. 16; Serial No. 423,161; published Nov. 7, 1939. Class 46.
Davies-Young Soap Co., The, Dayton, Ohio. Liquid dry cleaner. 374,584; Jan. 16; Serial No. 422,773; published Nov. 7, 1939. Class 4.
Defiance Machine Works, The, to Defiance Machine Works, Inc., Defiance, Ohio, successor. Metal-working machinery. 128,043; renewed Dec. 23, 1939.
De Luxe Bed Brace Company, Inc., Chicago, Ill. Braces for bedsteads. 374,627; Jan. 16; Serial No. 424,000; published Nov. 7, 1939. Class 32.
Denney Tag Company, The, West Chester, Pa. Shipping-tags. 128,356–7; renewed Jan. 6, 1940.
Denney Tag Company, The, West Chester, Pa. Shipping-tags. 128,359–60; renewed Jan. 6, 1940.
Denver Powerine Company, The, Denver, Colo., now by change of name, to The Powerine Company. Gasolene. 131,899; renewed May 25, 1940.
Di Marco, Romualdo E., New York, N. Y. Canned peeled tomatoes, canned tomato paste and olive oil. 374,569; Jan. 16; Serial No. 422,085; published Nov. 7, 1939. Class 46.
Dool Tool Co. (See Barrett, Charles H.)
East New York Produce Co., Brooklyn, N. Y. Raw potatoes. 374,572; Jan. 16; Serial No. 422,238; published Nov. 7, 1939. Class 46.
Ensign Products Company. (See Whitmore, William H.)
Entire Wheat Bread Company, St. Louis, Mo., now by change of name, to Cap-Sheaf Bread Company. Bread. 128,684; renewed Jan. 13, 1940.
Federal Varnish Company, Chicago, Ill. Enamel paint, oil-stains, acid-stains, etc. 131,750; renewed May 25, 1940.
Fitzpatrick, W. J., Company, The, Chicago, Ill. Lecithinated sugar. 374,591; Jan. 16; Serial No. 422,848; published Oct. 31, 1939. Class 46.
Flatau, Samuel, doing business as Yale Filing Supply Co., Los Angeles, Calif. Index cards, Manila and pressboard guides, etc. 374,643; Jan. 16. Class 37.
Fuji Sake Brewing Company, Limited, Honolulu, Hawaii. Bottled sake. 374,580; Jan. 16; Serial No. 422,508; published Nov. 7, 1939. Class 47.
Fuji Trading Company, The, Chicago, Ill. Chop suey sauce, canned bean sprouts, canned chow mein noodles, etc. 374,598; Jan. 16; Serial No. 423,055; published Oct. 31, 1939. Class 46.

Gamble Stores Incorporated, Minneapolis, Minn. T-squares, squares and levels. 374,617; Jan. 16; Serial No. 423,559; published Nov. 7, 1939. Class 26.
Gehrmann, Charles F., et al., executors. (See Bommer, Emil.)
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Electric storage batteries. 374,574; Jan. 16; Serial No. 422,324; published Nov. 7, 1939. Class 21.
Graton & Knight Company, Worcester, Mass. Leather belting. 374,605; Jan. 16; Serial No. 423,263; published Nov. 7, 1939. Class 35.
Growers Rice Milling Co., San Francisco, Calif. Rice. 374,550; Jan. 16; Serial No. 414,825; published Mar. 14, 1939. Class 46.
Growers Service Co., Fresno, Calif. Fresh fruits, grapes, and vegetables. 374,599; Jan. 16; Serial No. 423,094; published Oct. 31, 1939. Class 46.
Guittard Chocolate Co., San Francisco, Calif. Cocoa. 374,611; Jan. 16; Serial No. 423,419; published Nov. 7, 1939. Class 46.
Haggar Company, Dallas, Tex. Trousers and shirts. 374,645; Jan. 16. Class 39.
Hamilton, A. K., & Co., Inc., New York, N. Y., assignor to Caledonian Bonding Co., Ltd., Leith, Scotland. Scotch whisky. 374,630; Jan. 16; Serial No. 424,086; published Nov. 7, 1939. Class 49.
Holmes & Barnes, Ltd., Baton Rouge, La. Wheat-flour. 131,096; renewed June 8, 1940.
Horwitz & Duberman, New York, N. Y. Dresses, jackets, and coats. 374,573; Jan. 16; Serial No. 422,248; published Oct. 31, 1939. Class 39.
Independent Pneumatic Tool Company, Chicago, Ill. Hose-couplings. 129,168; renewed Jan. 27, 1940.
Invicta-Seeland, Inc., New York, N. Y. Watches, watch cases, watch parts, etc. 374,586; Jan. 16; Serial No. 422,820; published Nov. 7, 1939. Class 27.
Jefferson Union Company. (See Standard Union Company, assignor.)
Kearney, James R., Corporation, St. Louis, Mo. Grips for electric cables. 374,549; Jan. 16; Serial No. 412,068; published Nov. 7, 1939. Class 23.
Keyes Fibre Company, Waterville, Maine. Display package. 374,638; Jan. 16. Class 2.
Klein Brothers Company, Cincinnati, Ohio. Watches, watchcases, watch parts, etc. 374,644; Jan. 16. Class 27.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Publication containing recipes. 374,631; Jan. 16. Class 38.
Laidlaw, Beverly, Santa Monica, Calif. Beard softening preparation. 374,633; Jan. 16. Class 4.
Larus & Brother Company, Inc., Richmond, Va. Cigars, cigarettes, chewing and smoking tobacco. 374,614; Jan. 16; Serial No. 423,468; published Nov. 7, 1939. Class 17.
Leggett, Francis H., & Company, New York, N. Y. Foods. 129,017; renewed Jan. 20, 1940.
Losanacraft, Los Angeles, Calif. Metal and composition table mats, plate holders, etc. 374,595; Jan. 16; Serial No. 423,001; published Nov. 7, 1939. Class 50.
Loughran, Daniel, Company, Incorporated, Washington, D. C. Cigars. 374,615; Jan. 16; Serial No. 423,532; published Nov. 7, 1939. Class 17.
Macpherson, H. C., doing business as Macpherson & Company, San Francisco, Calif. Whiskey. 374,625; Jan. 16; Serial No. 423,918; published Nov. 7, 1939. Class 49.
Magnaflux Corporation, Chicago, Ill. Brittle varnish. 374,558; Jan. 16; Serial No. 419,586; published Nov. 7, 1939. Class 16.
Mansfield Tire and Rubber Company, The, Mansfield, Ohio. Tires and tubes. 374,612; Jan. 16; Serial No. 423,432; published Oct. 31, 1939. Class 35.
McLaughlin Ventilator Company, Detroit and Ferndale, Mich. Ventilator fans. 374,585; Jan. 16; Serial No. 422,823; published Nov. 7, 1939. Class 34.
Meaker, C. G., Inc., Auburn, N. Y. Canned vegetables, fish, pumpkin, etc. 374,555; Jan. 16; Serial No. 419,430; published Oct. 31, 1939. Class 46.
Mid-West Coolers, Inc., St. Louis, Mo. Fluid-cooling apparatus. 374,576; Jan. 16; Serial No. 422,368; published Oct. 31, 1939. Class 31.
Mildrum, W. W., Jewel Company, The, East Berlin, Conn. Rod mountings. 374,622; Jan. 16; Serial No. 423,818; published Nov. 7, 1939. Class 22.
Minnesota and Ontario Paper Company, The, Minneapolis and International Falls, Minn. B-publication paper. 374,589; Jan. 16; Serial No. 422,845; published Nov. 7, 1939. Class 37.
Minnesota and Ontario Paper Company, The, Minneapolis and International Falls, Minn. Rotogravure halftone paper and B-publication paper. 374,590; Jan. 16; Serial No. 422,846; published Nov. 7, 1939. Class 37.
Mobile Paint Mfg. Company, Inc., Mobile, Ala. Semi-paste and liquid paints. 374,621; Jan. 16; Serial No. 423,771; published Nov. 7, 1939. Class 16.
National Blue Corporation, New York, N. Y. Laundry blue. 131,803; renewed May 25, 1940.
National Dental Company. (See Cohen, Charles S., assignor.)
Neumann, R., & Company, Hoboken, N. J. shoe upper and pocketbook leather. 374,606; Jan. 16; Serial No. 423,276; published Nov. 7, 1939. Class 1.
New England Distilling Company, The, Covington, Ky. Rum. 374,623; Jan. 16; Serial No. 423,858; published Oct. 31, 1939. Class 49.
Northwestern Consolidated Milling Company, The, Minneapolis, Minn., and New York, N. Y., assignor to Standard Milling Company, New York, N. Y. Wheat-flour. 129,036; renewed Jan. 20, 1940.
Ohio Injector Company, The, Wadsworth, Ohio. Tire valves. 374,571; Jan. 16; Serial No. 422,217; published Nov. 7, 1939. Class 13.
Okie, F. G., Inc., Philadelphia, Pa. Paint. 374,639; Jan. 16. Class 16.
Oxford Filing Supply Co., Brooklyn, N. Y. Index cards, guides, and sheets, file holders, etc. 374,607; Jan. 16; Serial No. 423,277; published Nov. 7, 1939. Class 37.
Parkersburg Rig & Reel Company, The, Parkersburg, W. Va. Oil well pumping units. 374,632; Jan. 16. Class 23.
Pascall, James, Ltd., London, to James Pascall, Limited, Mitcham, England. Boiled sugar-drops, butter bonbons, toffees, etc. 130,221; renewed Apr. 13, 1940.
Pelican Well Tool & Supply Co., Shreveport and Vivian, to Pelican Well Tool & Supply Co., Shreveport, La. Bits and rotary fish-tail bits. 128,150; renewed Dec. 23, 1939.
Peters & Garabedian, Fresno, Calif. Fresh deciduous fruits and grapes, melons, etc. 374,608; Jan. 16; Serial No. 423,312; published Nov. 7, 1939. Class 46.
Polly Brothers, New York, N. Y. Edible oils. 374,618; Jan. 16; Serial No. 423,573; published Oct. 31, 1939. Class 46.
Powerine Company, The. (See Denver Powerine Company, The.)
Rabiner Underwear Co., Inc., New York, N. Y. Slips, pajamas, and nightgowns. 374,636; Jan. 16. Class 39.
Ragland, Potter & Company, Inc. (See Acme Mills, The, assignor.)
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 374,628; Jan. 16; Serial No. 424,062; published Nov. 7, 1939. Class 49.
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 374,629; Jan. 16; Serial No. 424,073; published Nov. 7, 1939. Class 49.
Red Dot Foods, Inc., Madison, Wis. Potato chips. 374,556; Jan. 16; Serial No. 419,445; published Aug. 15, 1939. Class 46.
Rose, Alfred R., St. Albans, N. Y. Games. 374,592; Jan. 16; Serial No. 422,866; published Oct. 31, 1939. Class 22.
Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. 374,602; Jan. 16; Serial No. 423,177; published Nov. 7, 1939. Class 1.
Ruppert, Jacob, New York, N. Y. Near beer. 128,507; renewed Jan. 6, 1940.
Ruppert, Jacob, New York, N. Y. Beer. 374,619; Jan. 16; Serial No. 423,637; published Nov. 7, 1939. Class 48.
Schieren, Chas. A., Company, New York, N. Y. Leather comber aprons for use in the textile industry. 374,634; Jan. 16. Class 23.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 374,635; Jan. 16. Class 39.
Schranck & Shaw, Incorporated, Milwaukee, Wis. Cordials, liqueurs, brandies, etc. 374,626; Jan. 16; Serial No. 423,928; published Nov. 7, 1939. Class 49.
Sharpe Manufacturing Company, Los Angeles, Calif. Air compressors and spray guns. 374,609; Jan. 16; Serial No. 423,315; published Nov. 7, 1939. Class 23.
Shear Company, The, to The Shear Coffee Company of Texas, Waco, Tex., successor. Roasted coffee. 124,769; renewed Mar. 11, 1939.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. 374,552; Jan. 16; Serial No. 418,543; published Nov. 7, 1939. Class 4.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. 374,559; Jan. 16; Serial No. 420,200; published Nov. 7, 1939. Class 4.
Silicocks-Miller Company, The, South Orange, N. J. Fabricated plastic articles. 374,561; Jan. 16; Serial No. 421,206; published Nov. 7, 1939. Class 50.
Skid Chek Corporation of America, St. Albans, Vt. Cleaning compound for removing oil, grease, etc., from rubber. 374,637; Jan. 16. Class 4.
Slovak, Andrew, doing business as Unit Machinery Company, Rockford, Ill. Automatic screw machines, wire forming machines, etc. 374,579; Jan. 16; Serial No. 422,489; published Nov. 7, 1939. Class 23.
Smith & Nichols, Incorporated, New York, N. Y., and Boston, Mass., to Smith & Nichols, Inc., New York, N. Y. Beeswax, stearic acid, and spermacetti. 128,858; renewed Jan. 13, 1940.
Solvay Process Company, The, Solvay, to The Solvay Process Company, New York, N. Y. Soda-ash, crystals of soda, caustic soda, etc. 129,312; renewed Feb. 10, 1940.
Sport Products, Inc., Cincinnati, Ohio. Balls, baseballs, etc. 374,567; Jan. 16; Serial No. 421,952; published Nov. 7, 1939. Class 22.

Standard Envelope Manufacturing Company, The, Cleveland, Ohio. Envelopes. 374,587–8; Jan. 16; Serial Nos. 422,833–4; published Nov. 7, 1939. Class 37.
Standard Milling Company. (See Northwestern Consolidated Milling Company, The, assignor.)
Standard Union Company, Augusta, Maine, and Boston, Mass., assignor to Jefferson Union Company, Lexington, Mass. Pipe joints or couplings. 131,629; renewed May 18, 1940.
Star Brewing Co., Boston, Mass. Ale. 374,610; Jan. 16; Serial No. 423,387; published Nov. 7, 1939. Class 48.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Lacing-hooks for use on shoes. 131,927; renewed May 25, 1940.
Sword, James, & Son, Limited, Glasgow, Scotland. Whisky. 374,603; Jan. 16; Serial No. 423,183; published Nov. 7, 1939. Class 49.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 374,565; Jan. 16; Serial No. 421,821; published Oct. 17, 1939. Class 47.
Temme Spring Corporation, Chicago, Ill. Mufflers. 374,582; Jan. 16; Serial No. 422,680; published Nov. 7, 1939. Class 23.
Topeka Flour Mills Corporation, Salina, Kans. Wheat flour. 374,596; Jan. 16; Serial No. 423,013; published Oct. 31, 1939. Class 46.
Transylvania Tanning Company, New York, N. Y. Leather. 374,597; Jan. 16; Serial No. 423,014; published Nov. 7, 1939. Class 1.
Turner & Harrison Steel Pen Manufacturing Company, Inc., The, Philadelphia, Pa. Pens, penholders, pen sets, etc. 374,616; Jan. 16; Serial No. 423,537; published Nov. 7, 1939. Class 37.
Underwood Elliott Fisher Company, also doing business as Waters & Waters Branch, New York, N. Y.; St. Louis, Mo.; and Burlington, N. J. Typewriter ribbon and carbon paper. 374,641; Jan. 16. Class 11.
Union Steel Products Company, Albion, Mich. Ovens. 374,560; Jan. 16; Serial No. 420,297; published Nov. 7, 1939. Class 34.
Union Trading Co., Ltd., The, Hong Kong, China. Prophylactic rubber articles. 374,546; Jan. 16; Serial No. 407,511; published Nov. 7, 1939. Class 44.
Unit Machinery Company. (See Slovak, Andrew.)
United States Rubber Products, Inc., assignor to United States Rubber Company, New York, N. Y. Rubber tires for vehicles. 374,548; Jan. 16; Serial No. 411,916; published Oct. 31, 1939. Class 35.
Vimpep Foods, Inc., Cambridge, Md. Dog food. 374,600; Jan. 16; Serial No. 423,147; published Oct. 31, 1939. Class 46.
Voelkel, John F., et al., executors. (See Bommer, Emil.)
Wadsworth & Woodman Company, Winthrop, Maine, and New York, N. Y. Pyroxylin coated fabric. 374,578; Jan. 16; Serial No. 422,456; published Nov. 7, 1939. Class 50.
Waters & Waters Branch. (See Underwood Elliott Fisher Company.)
Wells, Henry M., London, England, assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Heating-oils, illuminating-oils, and lubricating-oils. 128,570; renewed Jan. 6, 1940.
Wells, Henry W., London, England, assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Heating-oils, illuminating-oils, and lubricating-oils. 128,272; renewed Dec. 30, 1939.
Western Packing Corporation, New York, N. Y. Corned beef hash. 374,554; Jan. 16; Serial No. 419,241; published Nov. 7, 1939. Class 46.
White Eagle Brewing Company, Chicago, Ill. Beer. 374,620; Jan. 16; Serial No. 423,688; published Nov. 7, 1939. Class 48.
Whitmore, William H., to Ensign Products Company, Cleveland, Ohio, successor. Liquid preparation for cleaning, preserving, etc., varnished or finished surfaces. 128,202; renewed Dec. 23, 1939.
Wight, Frank L., Distilling Company, The, Loreley, Md. Whiskey. 374,594; Jan. 16; Serial No. 422,968; published Oct. 31, 1939. Class 49.
Willens, Maurice, Chicago, Ill. Candy. 374,562; Jan. 16; Serial No. 421,272; published Nov. 7, 1939. Class 46.
Wilson Welder and Metals Co., Inc., New York, N. Y. Electric arc welding machines. 374,613; Jan. 16; Serial No. 423,449; published Nov. 7, 1939. Class 21.
Yale Filing Supply Co. (See Flatau, Samuel.)

LIST OF REGISTRANTS OF LABELS

Bird & Son, Inc., East Walpole, Mass. Quackenbush's Exquisite Footwear. For Cartons. 54,140; Jan. 16.
Bird & Son, Inc., East Walpole, Mass. Royal Scout Six. For Cartons. 54,141; Jan. 16.
Bird & Son, Inc., East Walpole, Mass. Smart Shoes. For Cartons. 54,142; Jan. 16.
Blue Lake Producers Cooperative, West Salem, Oreg. Oregon Maizlets. For Cream Style Golden Bantam Corn. 54,143; Jan. 16.
Brown-Forman Distillery Company, Louisville, Ky. Bottled for the Personal Use of John Doe. For Kentucky Straight Bourbon Whisky. 54,144; Jan. 16.
California and Hawaiian Sugar Refining Corporation, Limited, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. C and H Sugar Pure Cane Cocktail Cubes. For Sugar. 44,145; Jan. 16.
California and Hawaiian Sugar Refining Corporation, Limited, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. C and H Sugar Pure Cane Crystal Tablets. For Sugar. 54,146; Jan. 16.
Daggett Chocolate Company, doing business as F. H. Roberts Company, Cambridge, Mass. Crispy and Chewy. For Chocolates. 54,147; Jan. 16.
Daggett Chocolate Company, doing business as F. H. Roberts Company, Cambridge, Mass. A Distinctive Package. For Chocolates. 54,148; Jan. 16.
Electric Game Co., Inc., Holyoke, Mass. Twexum. For a Game. 54,149; Jan. 16.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's. For Vegetable Noodle Soup. 54,150; Jan. 16.
Hart Drug Corporation, Miami, Fla. Thiron. For a Hematinic combined with Vitamin B in Tablet Form. 54,151; Jan. 16.
Hope, Louise G., San Francisco, Calif. Daytux. For Coats. 54,152; Jan. 16.
Johnston Fruit Company, Santa Barbara, Calif. Panama. For Oranges and Lemons. 16,161; renewed Jan. 4, 1940.
Malt Corporation of America, Buchanan, Mich. Golden Malted Pancake Flour. For Malted Pancake Flour. 54,153; Jan. 16.
Malt Corporation of America, Buchanan, Mich. Golden Malted Buckwheat Flour. For Malted Buckwheat Flour. 54,154; Jan. 16.
National Importing Company, Boston, Mass. Rye-Thins. For Genuine Swedish Crisp Bread. 54,155; Jan. 16.
National Oil Products Company, Harrison, N. J. Acidolate. For a Soluble Oil Detergent. 54,156; Jan. 16.
National Photostamp Co., Inc., New York, N. Y. The Postage Stamp Photo Novelty. For Postage Stamp Photo Novelties. 54,157; Jan. 16.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Odor-Rid. For a Deodorant. 54,158; Jan. 16.
Oliver, Robert R., New York, N. Y. Drink So-Kay Cola. For a Carbonated Beverage. 54,159; Jan. 16.
Pilser Brewing Company, Inc., New York, N. Y. Original Bock Beer. For Bock Beer. 54,160; Jan. 16.
Pilser Brewing Company, Inc., New York, N. Y. Original Export Half and Half. For Half and Half Ale and Porter. 54,161; Jan. 16.
Pilser Brewing Company, Inc., New York, N. Y. Original Pale Ale. For Pale Ale. 54,162; Jan. 16.
Pollock Paper & Box Company, Dallas, Tex. Perfection Ice Cream Stock Design P. F. F. 258–2. For Ice Cream. 54,163; Jan. 16.
Roberts, F. J., Company. (See Daggett Chocolate Company.)
Schenley Import Corporation, New York, N. Y. Sun-Glory. For a Grape Wine From Portugal. 54,164; Jan. 16.
Sterling Cake Company, Inc., Brooklyn, N. Y. Mrs. Bailey's Cookies. For Cookies. 54,165; Jan. 16.
Sugar Beet Products Company, Saginaw, Mich. Jack Rabbit Cleaner. For an All Purpose Cleaner. 54,166; Jan. 16.
Valmor Products Company. (See Neumann, Morton G.)
Waxide Paper Company, Kansas City, Mo. Home Made Bread Sliced. For Sliced Bread. 54,167; Jan. 16.
Waxide Paper Company, Kansas City, Mo. Potato Bread Sliced. For Sliced Potato Bread. 54,168; Jan. 16.
Waxide Paper Company, Kansas City, Mo. Sliced Pullman Loaf Sandwich Bread. For Sliced Bread. 54,169; Jan. 16.
Waxide Paper Company, Kansas City, Mo. Wheat Bread Sliced. For Sliced Wheat Bread. 54,170; Jan. 16.
Waxide Paper Company, Kansas City, Mo. Winner Loaf a Better Bread Sliced. For Sliced Bread. 54,171; Jan. 16.

LIST OF REGISTRANTS OF PRINTS

Hills Bros. Coffee, Inc., San Francisco, Calif. "... and There's no Guesswork About Controlled Roasting". For Coffee. 17,800; Jan. 16.

Kimball, H. B., Milwaukee, Wis. Kimball's Rays of Health. For Stomach Tablets. 17,801; Jan. 16.

McGraw Electric Company, Elgin, Ill. Santa Has the Answers! For Hospitality Set Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes and a Richly Grained Walnut Tray, Waffle Set Consisting of a Waffle Baker, Syrup Pitcher, Batter Bowl and Ladle and Walnut Tray, Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars, and an Automatic Toaster, Automatic Toasters and Junior (Toast 'n Jam) Set Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. 17,802; Jan. 16.

McGraw Electric Company, Elgin, Ill. Somebody Will Think You're Wonderful. For Automatic Toasters, Junior Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and Non-Automatic Toaster, Waffle Set Consisting of a Waffle Baker, Syrup Pitcher, Batter Bowl and Ladle and Walnut Tray, Hospitality Set Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes and a Richly Grained Walnut Tray and Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. 17,803; Jan. 16.

Restemeier, H. T., Potato Chip Co., Cleveland, Ohio. Pop Corn for Xmas! For Pop Corn. 17,804; Jan. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Apex Coal Company. 374,577; Jan. 16; Serial No. 422,435; published Nov. 7, 1939.

Leather. Fred Rueping Leather Co. 374,602; Jan. 16; Serial No. 423,177; published Nov. 7, 1939.

Leather. Transylvania Tanning Company. 374,597; Jan. 16; Serial No. 423,014; published Nov. 7, 1939.

Leather, Shoe upper and pocketbook. R. Neumann & Company. 374,606; Jan. 16; Serial No. 423,276; published Nov. 7, 1939.

CLASS 2

Package, Display. Keyes Fibre Company. 374,638; Jan. 16.

CLASS 4

Beard softening preparation. B. Laidlaw. 374,633; Jan. 16.

Cleaning compound for removing oil, grease, etc., from rubber. Skid Chek Corporation of America. 374,637; Jan. 16.

Cleaner, Liquid dry. Davies-Young Soap Co. 374,584; Jan. 16; Serial No. 422,773; published Nov. 7, 1939.

Polishes and compounds for treating shoes and other leather goods. Cardinal Laboratories, Inc. 374,583; Jan. 16; Serial No. 422,735; published Nov. 7, 1939.

Saponaceous compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 374,552; Jan. 16; Serial No. 418,543; published Nov. 7, 1939.

Saponnaceous compounds, shaving cream, shaving sticks, etc. Shulton, Inc. 374,559; Jan. 16; Serial No. 420,200; published Nov. 7, 1939.

CLASS 6

Antiseptic liquid. F. E. Barr & Company. 128,618; renewed Jan. 13, 1940.

Beeswax, stearic acid, and spermacetti. Smith & Nichols, Incorporated. 128,858; renewed Jan. 13, 1940.

Blue, Laundry. National Blue Corporation. 131,803; renewed May 25, 1940.

Preparation for the amelioration of pyorrhea alveolaris, gingivitis, etc. C. S. Cohen. 128,654; renewed Jan. 13.

Soda-ash, crystals of soda, caustic soda, etc. Solvay Process Company. 129,312; renewed Feb. 10, 1940.

CLASS 11

Typewriter ribbon and carbon paper. Underwood Elliott Fisher Company. 374,641; Jan. 16.

CLASS 13

Couplings, Hose. Independent Pneumatic Tool Company. 129,168; renewed Jan. 27, 1940.

Hardware, Builders'. E. Bommer. 129,127; renewed Jan. 27, 1940.

Joints or couplings, Pipe. Standard Union Company. 131,629; renewed May 18, 1940.

Valves, Tire. Ohio Injector Company. 374,571; Jan. 16; Serial No. 422,217; published Nov. 7, 1939.

CLASS 15

Gasolene. Denver Powerine Company. 131,899; renewed May 25, 1940.

Oils, illuminating-oils, and lubricating-oils, Heating. H. M. Wells. 128,570; renewed Jan. 6, 1940.

Oils, illuminating-oils, and lubricating-oils, Heating. H. M. Wells. 128,272; renewed Dec. 30, 1939.

CLASS 16

Paint. F. G. Okie, Inc. 374,639; Jan. 16.

Paint, oil-stains, acid-stains, etc., Enamel. Federal Varnish Company. 131,750; renewed May 25, 1940.

Paints and paint enamels, paint colors, etc. Atlas Powder Company. 374,566; Jan. 16; Serial No. 421,921; published Nov. 7, 1939.

Paints, Semipaste and liquid. Mobile Paint Mfg. Company. 374,621; Jan. 16; Serial No. 423,771; published Nov. 7, 1939.

Preparation for cleaning, preserving, etc., varnished or finished surfaces, Liquid. W. H. Whitmore. 128,202; renewed Dec. 23, 1939.

Varnish, Brittle. Magnaflux Corporation. 374,558; Jan. 16; Serial No. 419,586; published Nov. 7, 1939.

CLASS 17

Cigars. Daniel Loughran Company. 374,615; Jan. 16; Serial No. 423,532; published Nov. 7, 1939.

Cigars, cigarettes, chewing and smoking tobacco. Larus & Brother Company. 374,614; Jan. 16; Serial No. 423,468; published Nov. 7, 1939.

CLASS 19

Bicycles. Arnold, Schwinn & Company. 374,545; Jan. 16; Serial No. 396,064; published Nov. 7, 1939.

CLASS 21

Batteries, Electric storage. B. F. Goodrich Company. 374,574; Jan. 16; Serial No. 422,324; published Nov. 7, 1939.

Joint insulating compound, Electrical. Anaconda Wire & Cable Co. 374,568; Jan. 16; Serial No. 422,035; published Nov. 7, 1939.

Welding machines, Electric arc. Wilson Welder and Metals Co. 374,613; Jan. 16; Serial No. 423,449; published Nov. 7, 1939.

CLASS 22

Balls, baseballs, etc. Sport Products, Inc. 374,567; Jan. 16; Serial No. 421,952; published Nov. 7, 1939.

Games. A. R. Rose. 374,592; Jan. 16; Serial No. 422,866; published Oct. 31, 1939.

Golf clubs and parts thereof, golf balls, etc. Sport Products, Inc. 374,564; Jan. 16; Serial No. 421,675; published Nov. 7, 1939.

Mountings, Rod. W. W. Mildrum Jewel Company. 374,622; Jan. 16; Serial No. 423,818; published Nov. 7, 1939.

Toy, Bubble blower. Albuson Company. 374,547; Jan. 16; Serial No. 409,668; published Nov. 7, 1939.

Toy wood modeling set and parts thereof. E. D. Boisselier. 374,604; Jan. 16; Serial No. 423,253; published Oct. 31, 1939.

CLASS 23

Air compressors and spray guns. Sharpe Manufacturing Company. 374,609; Jan. 16; Serial No. 423,315; published Nov. 7, 1939.

Aprons for use in the textile industry, Leather comber. Chas. A. Schieren Company. 374,634; Jan. 16.

Bits and rotary fish-tail bits. Pelican Well Tool & Supply Co. 128,150; renewed Dec. 23, 1939.

Grips for electric cables. James R. Kearney Corporation. 374,549; Jan. 16; Serial No. 412,068; published Nov. 7, 1939.

Metal-working machinery. Defiance Machine Works. 128,043; renewed Dec. 23, 1939.

Mufflers. Temme Spring Corporation. 374,582; Jan. 16; Serial No. 422,680; published Nov. 7, 1939.

Oil well pumping units. Parkersburg Rig & Reel Company. 374,632; Jan. 16.

Screw machines, wire forming machines, etc., Automatic. A. Slovak. 374,579; Jan. 16; Serial No. 422,489; published Nov. 7, 1939.

Wrenches, Socket. C. H. Barrett. 374,575; Jan. 16; Serial No. 422,352; published Nov. 7, 1939.

CLASS 26

T-squares, squares and levels. Gamble Stores Incorporated. 374,617; Jan. 16; Serial No. 423,559; published Nov. 7, 1939.

CLASS 27

Watches, watch cases, watch movements, etc. Adelson & Segall. 374,557; Jan. 16; Serial No. 419,539; published Nov. 7, 1939.

Watches, watch cases, watch parts, etc. Invicta-Seeland, Inc. 374,586; Jan. 16; Serial No. 422,820; published Nov. 7, 1939.

Watches, watch cases, watch parts, etc. Klein Brothers Company. 374,644; Jan. 16.

CLASS 31

Fluid-cooling apparatus. Mid-West Coolers, Inc. 374,576; Jan. 16; Serial No. 422,368; published Oct. 31, 1939.

CLASS 32

Braces for bedsteads. DeLuxe Bed Brace Company. 374,627; Jan. 16; Serial No. 424,000; published Nov. 7, 1939.

CLASS 34

Fans, Ventilator. McLaughlin Ventilator Company. 374,585; Jan. 16; Serial No. 422,823; published Nov. 7, 1939.

Heating and air conditioning units, Warm air. Calesco Corporation. 374,563; Jan. 16; Serial No. 421,473; published Nov. 7, 1939.

Ovens. Union Steel Products Company. 374,560; Jan. 16; Serial No. 420,297; published Nov. 7, 1939.

CLASS 35

Belting, Leather. Graton & Night Company. 374,605; Jan. 16; Serial No. 423,263; published Nov. 7, 1939.

Tires and tubes. Mansfield Tire and Rubber Company. 374,612; Jan. 16; Serial No. 423,432; published Oct. 31, 1939.

Tires for vehicles, Rubber. United States Rubber Products, Inc. 374,548; Jan. 16; Serial No. 411,916; published Oct. 31, 1939.

CLASS 37

Cards, guides, and sheets, file holders, etc. Oxford Filing Supply Co. 374,607; Jan. 16; Serial No. 423,277; published Nov. 7, 1939.

Envelopes. Standard Envelope Manufacturing Company. 374,587–8; Jan. 16; Serial Nos. 422,833–4; published Nov. 7, 1939.

Holders, Copy. Copymaster Co. 374,581; Jan. 16; Serial No. 422,617; published Nov. 7, 1939.

Index cards, Manila and pressboard guides, etc. S. Flatau. 374,643; Jan. 16.

Paper and B-publication paper, Rotogravure halftone. Minnesota and Ontario Paper Company. 374,590; Jan. 16; Serial No. 422,846; published Nov. 7, 1939.

Paper, B-publication. Minnesota and Ontario Paper Company. 374,589; Jan. 16; Serial No. 422,845; published Nov. 7, 1939.

Paper, Wrapping. Ailing & Cory Company. 131,014; renewed May 4, 1940.

Pens, penholders, pen sets, etc. Turner & Harrison Steel Pen Manufacturing Company, Inc. 374,616; Jan. 16; Serial No. 423,537; published Nov. 7, 1939.

Tags, Shipping. Denney Tag Company. 128,356–7; renewed Jan. 6, 1940.

Tags, Shipping. Denney Tag Company. 128,359–60; renewed Jan. 6, 1940.

CLASS 38

Publication containing recipes. Kroger Grocery & Baking Company. 374,631; Jan. 16.

CLASS 39

Dresses, jackets, and coats. Horwitz & Duberman. 374,573; Jan. 16; Serial No. 422,248; published Oct. 31, 1939.

Slips, pajamas, and nightgowns. Rabiner Underwear Co. 374,636; Jan. 16.

Coats, vests, trousers, etc. J. Schoeneman, Inc. 374,635; Jan. 16.

Trousers and shirts. Haggar Company. 374,645; Jan. 16.

CLASS 40

Lacing-hooks for use on shoes. Edwin B. Stimpson Company. 131,927; renewed May 25, 1940.

CLASS 43

Yarn, Woolen hand knitting. Botany Worsted Mills. 374,640; Jan. 16.

CLASS 44

Prophylactic rubber articles. Union Trading Co. 374,546; Jan. 16; Serial No. 407,511; published Nov. 7, 1939.

CLASS 46

Bread. Entire Wheat Bread Company. 128,684; renewed Jan. 13, 1940.

Bread, and pastry products. Barnard Bakeshops Inc. 374,551; Jan. 16; Serial No. 417,995; published Nov. 7, 1939.

Candy. M. Willens. 374,562; Jan. 16; Serial No. 421,272; published Nov. 7, 1939.

Canned peeled tomatoes, canned tomato paste and olive oil. R. E. Di Marco. 374,569; Jan. 16; Serial No. 422,085; published Nov. 7, 1939.

Canned vegetables, fish, pumpkin, etc. C. G. Meaker Co., Inc. 374,555; Jan. 16; Serial No. 419,430; published Oct. 31, 1939.

Chop suey sauce, canned bean sprouts, canned chow mein noodles, etc. Fuji Trading Company. 374,598; Jan. 16; Serial No. 423,055; published Oct. 31, 1939.

Cocoa. Guittard Chocolate Co. 374,611; Jan. 16; Serial No. 423,419; published Nov. 7, 1939.

Coffee, Roasted. Shear Company. 124,769; renewed Mar. 11, 1939.

Culinary preparations. Chin & Lee Co. 374,553; Jan. 16; Serial No. 418,819; published Nov. 7, 1939.

Flour, Self-rising wheat. Acme Mills. 131,949; renewed June 8, 1940.

Flour, Wheat. Colorado Milling & Elevator Co. 131,433; renewed May 18, 1940.

Flour, Wheat. Holmes & Barnes, Ltd. 131,996; renewed June 8, 1940.

Flour, Wheat. Northwestern Consolidated Milling Company. 129,036; renewed Jan. 20, 1940.

Flour, Wheat. Topeka Flour Mills Corporation. 374,596; Jan. 16; Serial No. 423,013; published Oct. 31, 1939.

Food beverages and a preparation for making the same. H. B. Burt. 374,642; Jan. 16.

Food, Dog. Vimpep Foods, Inc. 374,600; Jan. 16; Serial No. 423,147; published Oct. 31, 1939.

Foods. Francis H. Leggett & Company. 129,017; renewed Jan. 20, 1940.

Fruits and grapes, melons, etc., Fresh deciduous. Peters & Garabedian. 374,608; Jan. 16; Serial No. 423,312; published Nov. 7, 1939.

Fruits, grapes, and vegetables, Fresh. Growers Service Co. 374,599; Jan. 16; Serial No. 423,094; published Oct. 31, 1939.

Hash. Corned beef. Western Packing Corporation. 374,554; Jan. 16; Serial No. 419,241; published Nov. 7, 1939.

Oils, Edible. Polly Brothers. 374,618; Jan. 16; Serial No. 423,573; published Oct. 31, 1939.

Potato chips. Red Dot Foods, Inc. 374,556; Jan. 16; Serial No. 419,445; published Aug. 15, 1939.

Potatoes, Raw. East New York Produce Co. 374,572; Jan. 16; Serial No. 422,238; published Nov. 7, 1939.

Preparation for making chocolate flavored milk. Corn Products Refining Company. 374,601; Jan. 16; Serial No. 423,161; published Nov. 7, 1939.

Rice. Growers Rice Milling Co. 374,550; Jan. 16; Serial No. 414,825; published Mar. 14, 1939.

Sugar-drops, butter bonbons, toffees, etc., Boiled. James Pascall, Ltd. 130,221; renewed Apr. 13, 1940.

Sugar, Lecithinated. W. J. Fitzpatrick Company. 374,591; Jan. 16; Serial No. 422,848; published Oct. 31, 1939.

CLASS 47

Sake, Bottled. Fuji Sake Brewing Company. 374,580; Jan. 16; Serial No. 422,508; published Nov. 7, 1939.

Wines. Taylor Wine Company. 374,565; Jan. 16; Serial No. 421,821; published Oct. 17, 1939.

CLASS 48

Ale. Star Brewing Co. 374,610; Jan. 16; Serial No. 423,387; published Nov. 7, 1939.

Beer. J. Ruppert. 374,619; Jan. 16; Serial No. 423,637; published Nov. 7, 1939.

Beer. White Eagle Brewing Company. 374,620; Jan. 16; Serial No. 423,688; published Nov. 7, 1939.

Beer and ale. Burton Products, Inc. 374,646; Jan. 16.

Beer, Near. J. Ruppert. 128,507; renewed Jan. 6, 1940.

CLASS 49

Cordials, liqueurs, brandies, etc. Schranck & Shaw, Incorporated. 374,626; Jan. 16; Serial No. 423,928; published Nov. 7, 1939.

Rum. New England Distilling Company. 374,623; Jan. 16; Serial No. 423,858; published Oct. 31, 1939.

Whiskey. Harry Benet, Inc. 374,624; Jan. 16; Serial No. 423,907; published Nov. 7, 1939.

Whiskey. H. C. Macpherson. 374,625; Jan. 16; Serial No. 423,918; published Nov. 7, 1939.

Whiskey. Frank L. Wight Distilling Company. 374,594; Jan. 16; Serial No. 422,968; published Oct. 31, 1939.

Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 374,628; Jan. 16; Serial No. 424,062; published Nov. 7, 1939.

Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 374,629; Jan. 16; Serial No. 424,073; published Nov. 7, 1939.

Whisky. James Sword & Son, Limited. 374,603; Jan. 16; Serial No. 423,183; published Nov. 7, 1939.

Whisky, Scotch. A. K. Hamilton & Co. 374,630; Jan. 16; Serial No. 424,086; published Nov. 7, 1939.

CLASS 50

Animal traps. Chas. D. Bridell, Inc. 374,593; Jan. 16; Serial No. 422,922; published Nov. 7, 1939.

Mats, plate holders, etc., Metal and composition. Losanacraft. 374,595; Jan. 16; Serial No. 423,001; published Nov. 7, 1939.

Pads, Jute rug. Carolina Bagging Company. 374,570; Jan. 16; Serial No. 422,169; published Nov. 7, 1939.

Plastic articles, Fabricated. Silicocks-Miller Company. 374,561; Jan. 16; Serial No. 421,206; published Nov. 7, 1939.

Pyroxylin coated fabrics. Wadsworth & Woodman Company. 374,578; Jan. 16; Serial No. 422,456; published Nov. 7, 1939.

LIST OF LABELS

Acidolate. For a Soluble Oil Detergent. National Oil Products Company. 54,156; Jan. 16.

A Distinctive Package. For Chocolates. Daggett Chocolate Company. 54,148; Jan. 16.

Bottled for the Personal Use of John Doe. For Kentucky Straight Bourbon Whisky. Brown-Forman Distillery Company. 54,144; Jan. 16.

C and H Sugar Pure Cane Cocktail Cubes. For Sugar. California and Hawaiian Sugar Refining Corporation. 54,145; Jan. 16.

C and H Sugar Pure Cane Crystal Tablets. For Sugar. California and Hawaiian Sugar Refining Corporation. 54,146; Jan. 16.

Crispy and Chewy. For Chocolates. Daggett Chocolate Company. 54,147; Jan. 16.

Daytnx. For Coats. L. G. Hope. 54,152; Jan. 16.

Drink So-Kay Cola. For a Carbonated Beverage. R. R. Oliver. 54,159; Jan. 16.

Golden Malted Buckwheat Flour. For Malted Buckwheat Flour. Malt Corporation of America. 54,154; Jan. 16.

Golden Malted Pancake Flour. For Malted Pancake Flour. Malt Corporation of America. 54,153; Jan. 16.

Goodman's. For Vegetable Noodle Soup. A. Goodman & Sons, Inc. 54,150; Jan. 16.

Home Made Bread Sliced. For Sliced Bread. Waxide Paper Company. 54,167; Jan. 16.

Jack Rabbit Cleaner. For an All Purpose Cleaner. Sugar Beet Products Company. 54,166; Jan. 16.

Mrs. Bailey's Cookies. For Cookies. Sterling Cake Company. 54,165; Jan. 16.

Oregon Maizlets. For Cream Style Golden Bantam Corn. Blue Lake Producers Cooperative. 54,143; Jan. 16.

Original Bock Beer. For Bock Beer. Pilser Brewing Company. 54,160; Jan. 16.

Original Export Half and Half. For Half and Half Ale and Porter. Pilser Brewing Company. 54,161; Jan. 16.

Original Pale Ale. For Pale Ale. Pilser Brewing Company. 54,162; Jan. 16.

Panama. For Oranges and Lemons. Johnston Fruit Company. 16,161; renewed Jan. 4, 1940.

Perfection Ice Cream Stock Design P. F. F. 258–2. For Ice Cream. Pollock Paper & Box Company. 54,163; Jan. 16.

Potato Bread Sliced. For Sliced Potato Bread. Waxide Paper Company. 54,168; Jan. 16.

Quackenbush's Exquisite Footwear. For Cartons. Bird & Son, Inc. 54,140; Jan. 16.

Royal Scout Six. For Cartons. Bird & Son, Inc. 54,141; Jan. 16.

Rye-Thins. For Genuine Swedish Crisp-Bread. National Importing Company. 54,155; Jan. 16.

Sliced Pullman Load Sandwich Bread. For Sliced Bread. Waxide Paper Company. 54,169; Jan. 16.

Smart Shoes. For Cartons. Bird & Son, Inc. 54,142; Jan. 16.

Sun-Glory. For a Grape Wine From Portugal. Schenley Import Corporation. 54,164; Jan. 16.

Sweet Georgia Brown Odor-Rid. For a Deodorant. M. G. Neumann. 54,158; Jan. 16.

The Postage Stamp Photo Novelty. For Postage Stamp Photo Novelties. National Photostamp Co. 54,157; Jan. 16.

Thiron. For a Hematinic combined with Vitamin B in Tablet Form. Hart Drug Corporation. 54,151; Jan. 16.

Twezum. For a Game. Electric Game Co. 54,149; Jan. 16.

Wheat Bread Sliced. For Sliced Wheat Bread. Waxide Paper Company. 54,170; Jan. 16.

Winner Loaf a Better Bread Sliced. For Sliced Bread. Waxide Paper Company. 54,171; Jan. 16.

LIST OF PRINTS

". . . and There's No Guesswork About Controlled Roasting". For Coffee. Hills Bros. Coffee, Inc. 17,800; Jan. 16.

Kimball's Rays of Health. For Stomach Tablets. H. B. Kimball. 17,801; Jan. 16.

Pop Corn for Xmas! For Pop Corn. H. T. Restemeier Potato Chip Co. 17,804; Jan. 16.

Santa Has the Answers! For Hospitality Set Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes and a Richly Grained Walnut Tray, Waffle Set Consisting of a Waffle Baker, Syrup Pitcher, Batter Bowl and Ladle and Walnut Tray, Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars, and an Automatic Toaster, Automatic Toasters and Junior (Toast 'n Jam) Set Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. McGraw Electric Company. 17,802; Jan. 16.

Somebody Will Think You're Wonderful. For Automatic Toaster, Junior Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and Non-Automatic Toaster, Waffle Set Consisting of a Waffle Baker, Syrup Pitcher, Batter Bowl and Ladle and Walnut Tray, Hospitality Set Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes and a Richly Grained Walnut Tray and Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. McGraw Electric Company. 17,803; Jan. 16.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Buffalo Pressed Steel Company. (See MacKenzie, R. J., Haas, and Starkweather, assignors.)

Bugg, Kenly C., assignor of twenty-five per cent to R. J. Jauch, Fort Wayne, Ind., and twelve and one-half per cent to H. Somervell, Evanston, Ill. Lock. Re. 21,320; Jan. 16.

Emulsol Corporation, The. (See Harris, Benjamin R., assignor.)

Freeman, Benjamin W., Cincinnati, Ohio. Method of and apparatus for ornamenting shoe parts. Re. 21,321; Jan. 16.

Haas, Lucien L. (See MacKenzie, R. J., Haas, and Starkweather.)

Harris, Benjamin R., assignor to The Emulsol Corporation, Chicago, Ill. Interface modifying agents and producing the same. Re. 21,322; Jan. 16.

Jauch, Robert J., et al. (See Bugg, Kenly C., assignor.)

Joy Fastener Company. (See Miller F. P., and Skeel, assignors.)

Langdon, Jesse D., Los Angeles, Calif. Flush valve unit. Re. 21,323; Jan. 16.

Lord Manufacturing Company. (See Stitz, Wilbur E., assignor.)

MacKenzie, Roy J., L. L. Haas, and G. C. Starkweather, Youngstown, Ohio, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. Re. 21,324; Jan. 16.

Miller, Frank P., and L. Skeel, Meadville, assignors, by mesne assignments, to Joy Fastener Company, Franklin, Pa. Slide fastener. Re. 21,325; Jan. 16.

Rava, Alexander, Chicago, Ill. Inductively heating the metallic parts of enclosed electrical devices. Re. 21,326; Jan. 16.

Rydquist, Adolph, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Mounting for grip cords. Re. 21,327; Jan. 16.

Schlegel Manufacturing Company, The. (See Rydquist, Adolph, assignor.)

Skeel, Lewis. (See Miller, F. P., and Skeel.)

Somervell, Howard, et al. (See Bugg, Kenly C., assignor.)

Starkweather, Gail C. (See MacKenzie, R. J., Haas, and Starkweather.)

Stitz, Wilbur E., Dayton, Ohio, assignor to Lord Manufacturing Company, Erie, Pa. Engine mounting. Re. 21,328; Jan. 16.

LIST OF PLANT PATENTEES

Ringdahl, Ivar, Rome, N. Y. Rose. 353; Jan. 16.

Yoder Brothers. (See Yoder, Harold F., assignor.)

Yoder, Harold F., assignor to Yoder Brothers, Barberton, Ohio. Rose. 354; Jan. 16.

LIST OF DESIGN PATENTEES

American Fork & Hoe Company, The. (See Tengel, Louis, assignor.)

Aronoff, Shirley, New York, N. Y. Dress ensemble. 118,587; Jan. 16.

Beidler, Herbert B., assignor to The Interstate Co., Chicago, Ill. Building. 118,551; Jan. 16.

Besler Systems. (See Knauss, Edward, assignor.)

Blackburn, Jasper, Webster Groves, Mo. Electrical wire connector. 118,588; Jan. 16.

Bondy, Louis, Baltimore, Md. Textile fabric. 118,589; Jan. 16.

Bondy, Louis, Baltimore, Md. Textile fabric. 118,590; Jan. 16.

Brickley, Samuel C., Arnold, assignor to Kensington, Incorporated, New Kensington, Pa. Candle holder or similar article. 118,552; Jan. 16.

Cleveland Welding Company, The. (See Teague, Walter D., assignor.)

Cohn, Nathan A., Los Angeles, Calif. Engagement ring. 118,591; Jan. 16.

Cohn, Nathan A., Los Angeles, Calif. Wedding ring. 118,592; Jan. 16.

Cohn & Rosenberger Inc. (See Placco, Oscar, assignor.)

Connecticut Paper Products Incorporated. (See Emerson, William J., assignor.)

Crimmins, William C., assignor to Delta Electric Company, Marion, Ind. Lamp. 118,553; Jan. 16.

Delta Electric Company. (See Crimmins, William C., assignor.)

Druding, Bertha. (See Rothenbush, Ray E., assignor.)

Du Pree, Ernest L., Douglaston, Long Island, assignor to Schenley Distillers Corporation, New York, N. Y. Bottle. 118,593; Jan. 16.

Emby Photographic Products of California, Inc. (See Kossman, H. R., and Hubbard, assignors.)

Emerson, William J., assignor to Connecticut Paper Products Incorporated, Kensington, Conn. Paper cup dispenser. 118,578; Jan. 16.

Figatner, Max, New York, N. Y. Tombstone. 118,554; Jan. 16.

French, Shriner & Urner Manufacturing Co. (See Thompson, William H., assignor.)

Friedman, Louis E., Brooklyn, N. Y. Slipper. 118,606; Jan. 16.

Friedman, Louis E., Brooklyn, N. Y. Slipper. 118,607; Jan. 16.

Goldsmith, Samuel R., New York, N. Y. Handbag. 118,605; Jan. 16.

Grunberg, George, New York, N. Y. Atomizer. 118,555; Jan. 16.

Guild, Lurelle, Noroton, assignor to Kensington, Incorporated, New Kensington, Pa. Platter or similar article. 118,556; Jan. 16.

Guild, Lurelle, Noroton, assignor to Kensington, Incorporated, New Kensington, Pa. Dish or similar article. 118,557; Jan. 16.

Guild, Lurelle, Noroton, assignor to Kensington, Incorporated, New Kensington, Pa. Cigarette box or similar article. 118,558; Jan. 16.

Heddon's, James, Sons. (See Heddon, John, assignor.)

Heddon, John, assignor to James Heddon's Sons, Dowagiac, Mich. Golf club shaft or the like. 118,594; Jan. 16.

Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Clock. 118,559; Jan. 16.

Higginson, George J., Mount Vernon, assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y. Plate or similar article. 118,579; Jan. 16.

Higginson, George J., Mount Vernon, assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y. Plate or similar article. 118,580; Jan. 16.

Holstein, Sol, New York, N. Y. Button. 118,608; Jan. 16.

Holt, William E., Livingston, N. J. Floor surfacing machine. 118,581; Jan. 16.

Holt, William E., Livingston, N. J. Combined housing and bag for a portable surfacing tool. 118,582; Jan. 16.

Hubbard, Roscoe C. (See Kossman, H. R., and Hubbard.)

Imre, Edith L., New York, N. Y. Jar for cosmetics. 118,560; Jan. 16.

Interstate Co., The. (See Beidler, Herbert B., assignor.)

International Silver Company. (See Kintz, Alfred G., assignor.)

Johnson Bros. (Hanley) Ltd. (See Higginson, George J., assignor.)

Karlan, Martin M., New York, N. Y. Container. 118,561; Jan. 16.

Katz, Louis, New York, N. Y. Dress. 118,595; Jan. 16.

Kaufman, Arthur, New York, N. Y. Dress. 118,596; Jan. 16.

Kensington, Incorporated. (See Brickley, Samuel C., assignor.)

Kensington, Incorporated. (See Guild, Lurelle, assignor.)

Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 118,562; Jan. 16.

Knauss, Edward, Berkeley, Calif., assignor to Besler Systems. Power chamber. 118,597; Jan. 16.

Kossman, Hans R., West Los Angeles, and R. C. Hubbard, Culver City, assignors to Emby Photographic Products of California, Inc., West Hollywood, Calif. Photographic enlarger. 118,563; Jan. 16.
Lister, James R., Philadelphia, Pa. Woven textile fabric. 118,583; Jan. 16.
Marathon Paper Mills Company. (See Stompe, Albert W., assignor.)
Marder, Edward, Brooklyn, N. Y. Head for a hand mirror or similar article. 118,598; Jan. 16.
Medwed, Pinchos E., Bangor, Maine. Shoe sole. 118,564; Jan. 16.
Mercer, George A., Jr., Savannah, Ga. Combined vehicle spring and support therefor. 118,599; Jan. 16.
Mercer, George A., Jr., Savannah, Ga. Combined vehicle spring and support therefor. 118,600; Jan. 16.
Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar. 118,601; Jan. 16.
Perfex Corporation. (See Hess, Clarence R. T., assignor.)
Placco, Oscar, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Pin clip. 118,565; Jan. 16.
Printasign Corporation of America. (See Reynolds, Milton, assignor.)
Ramsey, Maxwell E., Clayton, Mo. Advertising display device. 118,566; Jan. 16.
Rebhuhn, Anne, New York, N. Y. Dress. 118,602; Jan. 16.
Rebhuhn, Anne, New York, N. Y. Dress. 118,603; Jan. 16.
Reynolds, Milton, assignor to Printasign Corporation of America, Chicago, Ill. Advertising display stand. 118,584; Jan. 16.
Reynolds, Milton, assignor to Printasign Corporation of America, Chicago, Ill. Advertising display stand. 118,585; Jan. 16.
Robinson, Archie D., Westfield, Mass. Inkwell or the like. 118,567; Jan. 16.
Rothenbush, Ray E., Los Angeles, Calif., assignor of one-half to B. Druding, Indianapolis, Ind. Ice cream dipper. 118,604; Jan. 16.
Rubin, Harry, New York, N. Y. Combined cigarette dispenser and clock. 118,568; Jan. 16.
Rubin, Harry, New York, N. Y. Combined cigarette dispenser and clock. 118,569; Jan. 16.
Ruth, Rita G., Flushing, N. Y. Statuette or similar article. 118,570; Jan. 16.
Schachte, John A., Brooklyn, N. Y. Lamp. 118,571; Jan. 16.
Schenley Distillers Corporation. (See Du Pree, Ernest L., assignor.)
Schultz, Karl, Detroit, Mich. Clothing cleaning machine. 118,572; Jan. 16.
Shear, Gertrude, New York, N. Y. Hood. 118,609; Jan. 16.
Singer, Henry, Honolulu, Hawaii. Game device. 118,573; Jan. 16.
Stompe, Albert W., Neenah, assignor to Marathon Paper Mills Company, Rothschild, Wis. Combination container package. 118,574; Jan. 16.
Teague, Walter D., New York, N. Y., assignor to The Cleveland Welding Company, Cleveland, Ohio. Chair. 118,610; Jan. 16.
Tengel, Louis, Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Line guide for fishing rods. 118,586; Jan. 16.
Thomas & Betts Co., The. (See Thomas, George C., Jr., assignor.)
Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 118,575; Jan. 16.
Thompson, William H., Brookline, assignor to French, Shriner & Urner Manufacturing Co., Boston, Mass. Shoe. 118,576; Jan. 16.
Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
Voos, Walter H., Mount Carmel, Conn. Combination key and knife. 118,577; Jan. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbe, George C., Swarthmore, assignor to Good Roads Machinery Corporation, Kennett Square, Pa. Control seat. 2,187,509; Jan. 16.
Adamic, Anton, Canon City, Colo. Auxiliary foot accelerator. 2,187,068; Jan. 16.
Adolphe, Ernest C., Olney, Oreg. Logging device. 2,187,440; Jan. 16.
Aiken, Thomas McG., Pittsburgh, Pa. Apparatus for testing photoflash mechanism. 2,187,409; Jan. 16.
Air Devices Corporation. (See Curtiss, William R., assignor.)
Ajax Manufacturing Company, The. (See Zwierlein, Henry A., assignor.)
Aktiebolaget Timbro. (See Bergström, Axel, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Darrieus, Georges, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Noack, Walter G., assignor.)
Albrecht, Alfred P., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Tool handle. 2,187,192; Jan. 16.
Alder, William F., Altadena, assignor to F. E. Wood, as trustee, Monrovia, Calif. Device and method to test radiation of heat from a body. 2,186,948; Jan. 16.
Allison, Noah L., assignor to American Blower Corporation, Detroit, Mich. Variable-speed hydraulic coupling. 2,187,069; Jan. 16.
Aljian, Karnig, Jersey City, N. J. Garment hanger attachment. 2,187,535; Jan. 16.
Allardt, Hans-Georg. (See Junkmann, K., and Allardt.)
Allen, Wallace T. (See Jackson, J. G., and Allen.)
Allison, Kenneth C., Arlington Heights, and E. J. Mastney, Berwyn, assignors to Oak Manufacturing Company, Chicago, Ill. Electric switch. 2,186,950; Jan. 16.
Allison, Kenneth C., Arlington Heights, and E. J. Mastney, Berwyn, assignors to Oak Manufacturing Company, Chicago, Ill. Electric switch. 2,186,950; Jan. 16.
Almy, Richard, assignor to Armstrong Cork Company, Lancaster, Pa. Making shoe stiffeners. 2,187,005; Jan. 16.
Aluminum Company of America. (See Dunn, John H., assignor.)
Alvarado, Alfonso M., and H. S. Holt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of epoxy compounds. 2,187,006; Jan. 16.
Alvistur, Oscar, San Francisco, Calif. Airplane. 2,187,295; Jan. 16.
Amalgamated Minerals Corporation. (See Butler, Clarence H., assignor.)
American Blower Corporation. (See Allison, Noah L., assignor.)
American Can Company. (See Foss, Fred G., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Sullivan, Richard L., assignor.)
American Duplex Company. (See Schuhmann, Richard L., assignor.)
American Flange & Manufacturing Co. (See Sheridan, Harold M., assignor.)
American Hard Rubber Company. (See Winslow, Francis G., assignor.)
American Locomotive Company. (See Schutt, Hermann C., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Rolling Mill Company, The. (See Sendzimir, Tadeusz, assignor.)
American Steel and Wire Company of New Jersey, the. (See Bletso, Bruce N., assignor.)
Anderson, Adolph C. G. (See Anderson, John C. A., and A. C. G.)
Anderson, Alfred J., and G. Hill, Takapuna, Auckland, assignors to D. Bennett, V. Jacobsen, A. D. L. Griffiths, and themselves, Auckland, New Zealand. Gas burner. 2,187,674; Jan. 16.
Anderson, E. H. (See Schultz, Vinton W., assignor.)
Anderson, John C. A. and A. C. G., assignors to Reliance Elevator Manufacturing Company, Chicago, Ill. Safety and indicating mechanism for elevators. 2,187,390; Jan. 16.
Anderson, John W., assignor to Productive Inventions, Inc., Gary, Ind. Mirror construction. 2,187,582; Jan. 16.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Ice tray. 2,187,141; Jan. 16.
Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)
Appel, Harry C., Great Kills, Staten Island, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Double eyelet socket. 2,187,296; Jan. 16.
Appleton, Joseph H. (See Stone, A. L., Rice, and Appleton.)
Armstrong Cork Company. (See Almy, Richard, assignor.)
Arthur, James L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition distributor 2,187,070; Jan. 16.
Ashburn, Roby G., and J. D. Lewis, Mount Airy, N. C. Hydraulic transmission. 2,187,552; Jan. 16.
Associated Press. (See Biele, Harry M., assignor.)
Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Production of motor fuel. 2,187,696; Jan. 16.
Auto Union Aktiengesellschaft. (See Schulz, R. E. C., and Berndt, assignors.)
Autographic Register Company. (See Brenn, Carl W., assignor.)
Automatic Shifters, Inc. (See Simonick, Virgil F., assignor.)
Avedikian, Souren Z., New York, N. Y. Detergent composition simulating olive oil soaps. 2,187,536; Jan. 16.
Avila, Frank W., Fort Wayne, Ind., assignor to International Harvester Company. Automotive vehicle. 2,187,410; Jan. 16.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, Mass. Can filling machine. 2,187,615; Jan. 16.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Bagley, Robert M., Haddonfield, assignor to R. M. Hollingshead Corporation, Camden, N. J. Squirt can construction. 2,187,564; Jan. 16.
Baird, Dudley. (See Hartley, H. J., and Baird.)
Baker, Edward W., assignor to Jefferson Union Company, Lexington, Mass. Work handling apparatus for machine tools and the like. 2,187,297; Jan. 16.
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Baker, R. C., and Burt, assignors.)
Baker Oil Tools, Inc. (See Baker, R. C., and Ragan, assignors.)
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well Cementing apparatus. 2,187,480; Jan. 16.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well Cementing apparatus. 2,187,483; Jan. 16.
Baker, Reuben C., Coalinga, and C. E. Burt, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Well packer. 2,187,481; Jan. 16.
Baker, Reuben C., Coalinga, and T. M. Ragan, Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Cement retainer. 2,187,482; Jan. 16.
Balch, Thomas V. (See Bohnsack, J. A., and Balch.)
Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
Barnes, Charles H., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Releasable cable head. 2,187,007; Jan. 16.
Barnhart, George E., Pasadena, Calif. Hypodermic needle. 2,187,259; Jan. 16.
Baroni, Peter. (See Baroni, Sante and P.)
Baroni, Sante and P., Philadelphia, Pa., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Grooving machine. 2,187,142; Jan. 16.
Barrett, Bodine B., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying lead nitrate solutions. 2,187,108; Jan. 16.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Journal box. 2,186,935; Jan. 16.
Bary, Woldemar A., New York, N. Y. Insulator. 2,187,143; Jan. 16.
Basebe, Cecil. (See Sinclair, H., and Basebe.)
Batchelder, Nelson A., West Barrington, R. I., assignor to Woods Manufacturing Company, Limited, Montreal, Quebec, Canada. Loom and vibration control therefor. 2,187,510; Jan. 16.
Bates, Beulah H. (See Bates, Walter A., assignor.)
Bates, Walter A., assignor to B. H. Bates. Joliet, Ill. Welding gratings. 2,187,529; Jan. 16.
Battelle Memorial Institute. (See Sullivan, J. D., and Niconoff, assignors.)
Battles, Guy W. (See Harm, Richard S., assignor.)
Baxter, Ernest W., Van Wert, Ohio. Hydraulic valve lifter. 2,187,008; Jan. 16.

Baxter, John B., assignor to The Covert Manufacturing Company, Troy, N. Y. Snap hook. 2,187,441; Jan. 16.
Baxter Laboratories, Inc. (See Nesset, Maurice M., assignor.)
Baxter, William L., Marblehead, assignor to The Sweeper-Vac Company, Worcester, Mass. Food molding machine. 2,187,511; Jan. 16.
Bay State Abrasive Products Company. (See Buckner, O. S., and Wilson, assignors.)
Bayerische Flugzeugwerke A. G. (See Busselmeier, Rudolf, assignor.)
Beach, John B., Washington, D. C. Dental floss holder. 2,187,442; Jan. 16.
Beamer, Charles W., Mojave, Calif. Plow or colter disk. 2,187,443; Jan. 16.
Beattie, William C., assignor to N. O. Hipel, Limited, Preston, Ontario, Canada. Wooden truss for roofs. 2,187,009; Jan. 16.
Bechman, William O., Chicago, Ill., assignor to International Harvester Company. Drawbar construction. 2,187,411; Jan. 16.
Beck, Koller & Company. (See Hodgins, T. S., and Hovey, assignors.)
Beckman, Philip E., and M. A. Richford, San Francisco, Calif. Gas burner. 2,187,010; Jan. 16.
Behrens, Herbert C., assignor to Duplex Printing Press Company, Battle Creek, Mich. Full automatic plate-finishing machine. 2,187,444; Jan. 16.
Bell, Adam C., G. D. Miles, and K. L. Russell, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of organic sulphonates. 2,187,144; Jan. 16.
Bell Telephone Laboratories, Incorporated. (See Ellwood, Walter B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ellwood, W. B., and Holden, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stockfleth, Sigurd J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Thorp, Vaughn P., assignor.)
Bendix Aviation Corporation. (See Lansing, Raymond P., assignor.)
Benjamin, Sidney H., Milwaukee, Wis. Safety razor blade magazine. 2,187,370; Jan. 16.
Benner, Raymond C. (See Melton, R. L., Benner, and Kirchener.)
Bennett, Dorothy, et al. (See Anderson, A. J., and Hill., assignors.)
Benson, John B., Pittsfield, Mass. Antirattling device. 2,187,412; Jan. 16.
Berch, Samuel H. (See Hopkins, Arthur G., assignor.)
Bergmans, Jan, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Optical system. 2,187,071; Jan. 16.
Bergström Axel, Lidingo, assignor to Aktiebolaget Timbro, Stockholm, Sweden. Headlight for vehicles. 2,186,951; Jan. 16.
Berndt, Hans R. (See Schulz, R. E. C., and Berndt.)
Bernholtz, John S., Carroll, Iowa. Door closer. 2,187,109; Jan. 16.
Best, Alexander, et al., trustees. (See Ice, James N., assignor.)
Biele, Harry M., Hollis, assignor to Associated Press, New York, N. Y. Photoelectric tube. 2,187,484; Jan. 16.
Biewen, John W., Fairfield, Iowa. Absorbent floor mat. 2,187,676; Jan. 16.
Binkley Manufacturing Company. (See Brace, Edwin T., assignor.)
Bishop, Leonard J., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Conveyer system. 2,187,073; Jan. 16.
Blaso, James G., East Elmhurst, Long Island, N. Y. Anesthetic. 2,187,597; Jan. 16.
Blaso, James G., East Elmhurst, Long Island, N. Y. Self-spraying anesthetic preparation. 2,187,598; Jan. 16.
Blessing, Roy G. (See Simons, W. R., and Blessing.)
Bierso, Bruce N., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Tensioning tool. 2,187,298; Jan. 16.
Bliss, E. W., Company. (See Cannon, Earl, assignor.)
Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Elastic fluid turbine. 2,186,952; Jan. 16.
Boezi, John, and R. Papiri, Binghamton, N. Y. Apparatus for cleaning and flushing radiators and the like. 2,187,413; Jan. 16.
Bohnsack, John A., Cleveland Heights, and T. V. Balch, Shaker Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic wall structure. 2,186,953; Jan. 16.
Boller, Winkler & Co., Turbenthal (im Grund). (See Egli, Ernst, assignor.)
Bolte, Charles C. (See Whittington, George W., assignor.)
Bolton, John W., & Sons, Inc. (See Stuck, Harold D., assignor.)
Bond, Sherman G., Wichita, Kans. Awning. 2,187,639; Jan. 16.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Floor rack for refrigerator cars. 2,187,219; Jan. 16.
Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)
Borg-Warner Corporation. (See Ingersoll, R. C., and Sullivan, assignors.)
Borg-Warner Corporation. (See Mills, Herbert E., assignor.)
Borgadt, John B., East Cleveland, Ohio. Apparatus for finishing welded tubing. 2,187,485; Jan. 16.
Borgeson, Sidney E., Rome, assignor to General Cable Corporation, New York, N. Y. Sheathed core. 2,187,391; Jan. 16.
Bost, David E., Galesburg, Ill. Stock fastening means. 2,187,640; Jan. 16.
Boughton, Willis A., Cambridge, and W. R. Mansfield, Boston, assignors, by mesne assignments, to New England Mica Company, Waltham, Mass. Manufacturing high temperature mica products. 2,186,954; Jan. 16.
Bowersox, Joseph W., Glen Ellyn, assignor to Superior Sleeprite Corporation, Chicago, Ill. Furniture. 2,187,713; Jan. 16.
Boyle, Alfred A. (See Young, L., and Boyle.)
Brace, Edwin T., assignor to Binkley Manufacturing Company, Warrenton, Mass. (Oil burner. 2,187,220; Jan. 16.
Braden, Paul F., Dayton, Ohio. Cooling means for an electrical apparatus. 2,187,011; Jan. 16.
Bradley Washfountain Company. (See Mullett, Howard A., assignor.)
Bradshaw, James B. (See Erickson, Prentis E., assignor.)
Brandenburg, Oscar R., Milwaukee, Wis. Matrix. 2,187,260; Jan. 16.
Brassert, H. A., & Company. (See Younglove, Edward H., assignor.)
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Hydrocarbon burner. 2,187,261; Jan. 16.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 2,187,697; Jan. 16.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding device. 2,187,698; Jan. 16.
Brenner, Edward, Chicago, Ill. Light-controlled actuating device. 2,187,012; Jan. 16.
Breslav, Victor, Brussels, Belgium, assignor to Interna Holding, Société Anonyme, Luxemburg, Grand Duchy of Luxemburg. Pneumatic distribution for two-stroke internal combustion engines. 2,187,341; Jan. 16.
Briggs, William C., Paducah, Tex. Fence. 2,187,641; Jan. 16.
Bright, Elvin M., Dayton, assignor to J. M. Wallace, Cincinnati, Ohio, as trustee. Steering wheel. 2,187,193; Jan. 16.
Bright, Jesse L., Riverton, Iowa. Wheeled garden implement. 2,187,675; Jan. 16.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom harness mechanism. 2,187,699; Jan. 16.
Brown, Carl W. (See Currivan, F. E., and Brown.)
Brown, Frank G., Silver Lake, South Lyon, Mich. Tube chamfering tool. 2,187,221; Jan. 16.
Brown Instrument Company, The. (See Nichols, John T., assignor.)
Brown, John C., New York, N. Y. Ejector fork. 2,187,145; Jan. 16.
Brown, Lloyd S., Kanorado, Kans. Furrow damming machine. 2,187,262; Jan. 16.
Brown, Robert C., assignor to Du-All Scaffold Bracket Company, Columbus, Ohio. Bracket. 2,187,642; Jan. 16.
Brueggeman, John T., Shaker Heights, Ohio. Egg separator. 2,187,488; Jan. 16.
Brumley, John L., Sanford, Fla. Pile repair unit. 2,187,677; Jan. 16.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Plasticizing nitrogenous resins. 2,187,566; Jan. 16.
Bruson, Herman A., and J. W. Eastes, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Synthetic resin. 2,187,565; Jan. 16.
Bruun, Jacob W., Oslo, Norway. Combined tour and slalom binding. 2,187,537; Jan. 16.
Buckner, Orello S., Northboro, and D. B. Wilson, assignors to Bay State Abrasive Products Company, Westboro, Mass. Making abrasive wheels. 2,187,583; Jan. 16.
Bullock, Earl C., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Rimmed structure. 2,187,263; Jan. 16.
Bullock, Frederick A., Attleboro, Mass., assignor to Dolan & Bullock Co., Providence, R. I. Self-retaining cuff link. 2,186,955; Jan. 16.
Bultman, Frederick H., Cleveland, Ohio. Two-speed bicycle. 2,187,643; Jan. 16.
Burkhardt, Otto W., Bayreuth, Germany. Dressing of individual blocks of stone. 2,187,299; Jan. 16.
Burns, Lawrence H., Waco, Tex. Invalid appliance for beds and cots. 2,187,013; Jan. 16.
Burt, Clarence E. (See Baker, R. C., and Burt.)
Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Formation testing method and apparatus. 2,187,486; Jan. 16.
Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Bridge plug. 2,187,487; Jan. 16.

Buschbeck, Werner, and H. J. R. von Baeyer, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna transformer. 2,187,014; Jan. 16.
Busselmeier, Rudolf, Berlin, assignor to Bayerische Flugzeugwerke A. G., Augsburg, Germany. Deflection-preventing arrangement in airplanes. 2,187,446; Jan. 16.
Butchart, Trevor H., Auckland, Auckland, New Zealand. Stay for doors of motor vehicles and the like. 2,187,553; Jan. 16.
Butler, Bernard J. (See Nicoll, J. S., Giles, Maruoka, Butler, and Countryman.)
Butler, Clarence H., assignor to Amalgamated Minerals Corporation, Minneapolis, Minn. Exfoliating vermiculite and similar minerals. 2,187,538; Jan. 16.
Butler, Robert W., Philadelphia, Pa., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich. Combined latch and dovetail structure. 2,187,530; Jan. 16.
Butler, Robert W., Philadelphia, Pa., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich. Combined latch and dovetail structure. 2,187,531; Jan. 16.
Byron Jackson Co. (See Grau, Herbert E., assignor.)
Byron Jackson Co. (See Hambly, Allen E., assignor.)
Byron Jackson Co. (See Hollander, A., and Mayer, assignors.)
Byron Jackson Co. (See Mayer, Waldemar F., assignor.)
Caddell, James H., Richmond, Va. Oil gauge. 2,187,300; Jan. 16.
Cadwallader, Edgar M., assignor to Mineral Cutting Machine Company, Inc., Cleveland, Ohio. Mining apparatus. 2,187,700; Jan. 16.
Calcott, William S., Woodstown, N. J., and H. W. Starkweather, New Castle County, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coagulation. 2,187,146; Jan. 16.
California Consumers Corporation. (See Meinzer, Gotthold H., assignor.)
California Machinery & Supply Co. (See Ostling, Karl W. S., assignor.)
California Packing Corporation. (See Libbey, Fred N., assignor.)
Canaan, Hans F., assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a copartnership. Control means for fluid power transmitters. 2,186,956; Jan. 16.
Canadian Refractories Limited. (See Stewart, Daniel W., assignor.)
Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Prefill valve for hydraulic presses. 2,187,371; Jan. 16.
Capaldo, Louis A., New York, N. Y. Umbrella. 2,187,372; Jan. 16.
Capps, Frank L., New York, N. Y. Recording stylus. 2,187,512; Jan. 16.
Caproni, Gianni, Milan, Italy. Submarine boat. 2,187,074; Jan. 16.
Carbonara, Pasquale, Uniontown, Pa. Miner's lantern. 2,187,539; Jan. 16.
Carborundum Company, The. (See Melton, R. L., Benner, and Kirchner, assignors.)
Cardinal Products, Inc. (See Schmitt, George P., assignor.)
Cardwell Westinghouse Company. (See Sproul, Donald F., assignor.)
Carey, Philip, Manufacturing Company, The. (See Johnston, George B., assignor.)
Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Crankcase breather. 2,187,264; Jan. 16.
Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Crankcase breather construction. 2,187,265; Jan. 16.
Carnegie Institution of Washington. (See Goranson, R. W., and Zisman, assignors.)
Carragher, Hugh J., Brooklyn, assignor to Powdrell & Alexander, Inc., Danielson, Conn. Making figured fabrics. 2,187,469; Jan. 16.
Carris, Edward C. and J. B., assignors to Iowa Button Machinery Company, Washington, Iowa. Button blank chucking mechanism. 2,187,266; Jan. 16.
Carris, Jerry R. (See Carris, Edward C. and J. R.)
Carpenter, Howard F. (See Grossman, W. G., and Carpenter.)
Carter, Leonard F., Pontiac, Mich. Wave motor. 2,187,678; Jan. 16.
Casino, Frank R. (See Levy, M., and Casino.)
Celanese Corporation of America. (See Mellor, Albert, assignor.)
Celanese Corporation of America. (See Schneider, G., and Whitehead, assignors.)
Cellulose Research Corporation, The. (See Goff, L. E., Sheldon, Herzog, and Olsen, assignors.)
Chait, H. G. (See Chait, J. I., and Raak.)
Chait, Julius I., and H. Raak, assignors of one-third to H. G. Chait, Omaha, Nbr. Overalls. 2,187,447; Jan. 16.
Chambers, John W., Houston, Tex. Deep well pump. 2,187,679; Jan. 16.
Champayne, Roy J., Rockford, Ill. Pneumatic fender hammer. 2,187,110; Jan. 16.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Portable drill. 2,187,111; Jan. 16.
Chapman, Clifford M., assignor of one-third to A. Storm and two-thirds to R. R. Wilkinson, Indianapolis, Ind. Burglar alarm. 2,187,194; Jan. 16.
Chappell, James F., Mineola, assignor of one-half to A. H. Lane, Dallas, Tex. Derrick. 2,187,392; Jan. 16.
Cheney, Thomas A., assignor of one-half to H. J. Krinke, Seattle, Wash., and one-half to himself. Radio receiving set time control device. 2,187,373; Jan. 16.
Chirelstein, Nathan, Chicago, Ill. Attachment plug. 2,187,489; Jan. 16.
Chrysler Corporation. (See Neeson, Charles R., assignor.)
Chrysler Corporation. (See Tea, Clark A., assignor.)
Cibulka, Alois, Highlands, and M. W. Mayer, Baytown, Tex., assignors to Standard Oil Development Company. Apparatus for inhibiting tar polymerization. 2,187,708; Jan. 16.
Cinch Manufacturing Corporation. (See Wallschlaeger, Theodore W., assignor.)
Clark, Augustus W. (See Dower, D. W., and Clark.)
Clark Equipment Company. (See Dunham, Elmer J., assignor.)
Clark Equipment Company. (See Ormsby, Donald D., assignor.)
Clarke, Chapman & Company Limited, et al. (See Woodeson, W. A., and Midgley, assignors.)
Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation. Device attachment. 2,187,222; Jan. 16.
Cleveland Tractor Company, The. (See Story, Elmer J., assignor.)
Cline, John J., Clarksville, Ark. Coal cutting machine. 2,187,301; Jan. 16.
Clothier, Stewart L. (See Kern, E. A., Clothier, and Hogencamp.)
Coanda, Henri, Clichy, France. Exhaust of gases from engines. 2,187,342; Jan. 16.
Coca-Cola Company, The. (See Gurley, John W., assignor.)
Cohn, Samuel, and J. G. Walter, assignors to Samcoe Holding Corporation, New York, N. Y. Fabric finishing system. 2,187,644; Jan. 16.
Colgate-Palmolive-Peet Company. (See Bell, A. C., Miles, and Russell, assignors.)
Collings, William R., and J. J. Hoeltzel, assignors to The Dow Chemical Company, Midland, Mich. Coating method. 2,186,957; Jan. 16.
Collins, Arthur A., assignor to Collins Radio Company, Cedar Rapids, Iowa. Distortion reducing system for suppressed carrier transmission. 2,186,958; Jan. 16.
Collins, Harry A., Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,187,470; Jan. 16.
Collins, H. L., Sr. (See Uttz, William A., Sr., assignor.)
Collins Radio Company. (See Collins, Arthur A., assignor.)
Columbian Carbon Company. (See Glaxner, Daniel, assignor.)
Compagnie Internationale de Procedes de Panification "Itam". (See Matti, Jean C., assignor.)
Compo Shoe Machinery Corporation. (See Holland, Friedrich, assignor.)
Condenser Development Corporation. (See Cramer, Stanley S., assignor.)
Connor, Henry H., Chicago, Ill., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,187,112; Jan. 16.
Consolidated Aircraft Corporation. (See Laddon, I. M., Ring, and Mandolf, assignors.)
Continental Can Company. (See Punte, William F., assignor.)
Continental Oil Company. (See Hopkins, Louis J., assignor.)
Cook, Jacob G., Albany, N. Y. Printer's gauge. 2,187,554; Jan. 16.
Coons, Burton C., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Fruit preparation machine. 2,187,075; Jan. 16.
Cooper, Lester S., Port Clinton, Ohio, assignor to Rubatex Products, Inc., New York, N. Y. Hot gassing process. 2,186,959; Jan. 16.
Cope, Arthur C., Bryn Mawr, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Barbituric acid derivatives. 2,187,701; Jan. 16.
Cope, Arthur C., Bryn Mawr, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Barbituric acids. 2,187,702; Jan. 16.
Cope, Arthur C., Bryn Mawr, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Barbituric acids. 2,187,703; Jan. 16.
Cork, Edward C., Ealing, London, and J. L. Pawsey, Hillingdon, England, assignors to Electric & Musical Industries Limited. Directional aerial system. 2,187,015; Jan. 16.
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Humidifier. 2,187,645; Jan. 16.
Cory, Marcus M., San Diego, Calif. Plastering system. 2,187,223; Jan. 16.
Cory, Marcus M., San Diego, Calif. Plastering system. 2,187,224; Jan. 16.
Countryman, Charles M. (See Nicoll, J. S., Giles, Maruoka, Butler, and Countryman.)

Covert Manufacturing Company, The. (See Baxter, John B., assignor.)
Cowin and Company. (See Cowin, James, assignor.)
Cowin, James, assignor to Cowin and Company, Minneapolis, Minn. Silo roof. 2,187,616; Jan. 16.
Cox, Charles A., Homestead, Fla. Rock plow. 2,187,302; Jan. 16.
Crago, Paul H., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,187,414; Jan. 16.
Craig, Kenneth A., Appleton, assignor to Paper Patents Company, Neenah, Wis. Treating ground wood. 2,187,016; Jan. 16.
Cramer, Stanley S., Haddon Heights, assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Electrical condenser. 2,187,017; Jan. 16.
Crockford, Joseph R., assignor to Metallic Pad Corporation, New York, N. Y. Padding. 2,187,343; Jan. 16.
Cromonic, Joseph, Brooklyn, N. Y. Taper feeding hair clipper comb. 2,187,599; Jan. 16.
Crook, Richard H., trustee. (See Wallace, Archibald L., assignor.)
Crossley, Frank S. (See Hartung, W. H., and Crossley.)
Crown Cork & Seal Company. (See Sinz, Lawrence P., assignor.)
Crumley, Emerson U., Muskegon, Mich. Air brush. 2,187,195; Jan. 16.
Currivan, Francis E., and C. W. Brown, Brattleboro, Vt. Material spreading machine. 2,187,448; Jan. 16.
Curtiss, William R., assignor to Air Devices Corporation, Meriden, Conn. Automatic light-selector system. 2,187,018; Jan. 16.
Cushman's Sons Inc. (See MacManus, John, assignor.)
Daniels, Fred C. T., Bridgeville, Pa., assignor to Mackintosh-Hemphill Company. Making rolls. 2,187,415; Jan. 16.
Daniels, Fred C. T., Bridgeville, Pa., assignor to Mackintosh-Hemphill Company. Roll casting. 2,187,416; Jan. 16.
Darrieus, Georges, Houilles, France, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Separator. 2,187,646; Jan. 16.
Davis, Lee M. (See Flanders, R. E., and Davis.)
Davis, Merrill, Detroit, Mich. Vehicle brake. 2,187,226; Jan. 16.
Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
De Botelho, Martin, New York, N. Y. Traveling case. 2,187,445; Jan. 16.
DeGerth, John G., and L. Dombrowsky, Helsingfors, assignors, by mesne assignments, to Wärtsilä-Yhtymä O/Y.-Wärtsilä-Koncerner A/B, Vartsila, Finland. Bearing assembly. 2,187,600; Jan. 16.
De Laval Separator Company, The. (See Miller, Theodore H., assignor.)
De Mund, Charles W. and L. D., Phoenix, Ariz. Evaporative air cooler. 2,187,019; Jan. 16.
De Mund, Lester D. (See De Mund, Charles W. and L. D.)
De Simó, Martin, Piedmont, assignor to Shell Development Company, San Francisco, Calif. Production of carbon disulphide. 2,187,393; Jan. 16.
Detroit Lubricator Company. (See Knudson, Irving J., assignor.)
Detroit Steel Products Company. (See Dewey, V. F., and McLoughlin, assignors.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Stickdorn, Kurt, assignor.)
De Vito, Albert, and F. Liessmann, assignors to Electrical Research Laboratories, Inc., Chicago, Ill. Fastener member and fastener installation. 2,187,303; Jan. 16.
Dewas, Raymond, Amiens, France. Weft inserting device for weaving looms having a continuous weft supply. 2,187,344; Jan. 16.
Dewey, Victor F., and J. N. McLoughlin, assignors to Detroit Steel Products Company, Detroit, Mich. Casing construction. 2,187,490; Jan. 16.
Dinzl, Richard W., Narberth, Pa., assignor to Baldwin-Southwark Corporation. Materials testing machine. 2,187,345; Jan. 16.
Dittenheimer, Manuel. (See Pratt, Rodney F., assignor.)
Doble, Ralph N., Hingham, Mass. Tea bag, coffee bag, and the like. 2,187,417; Jan. 16.
Dodge, Arthur B., Lancaster, Pa. Apparatus for making stopper tops and the like. 2,187,680; Jan. 16.
Dolan & Bullock Co. (See Bullock, Frederick A., assignor.)
Dombrowsky, Louis. (See Degerth, J. G., and Dombrowsky.)
Döring, Martin, Dresden, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Temperature regulator. 2,187,418; Jan. 16.
Double, Plummer E., Detroit, and F. Wascher, Flint, Mich. Clinch-nut machine. 2,187,647; Jan. 16.
Douglass, Samuel H., Detroit, Mich. Lunch box. 2,187,196; Jan. 16.
Dow Chemical Company, The. (See Collings, W. R., and Hoeltzel, assignors.)
Dow Chemical Company, The. (See Dreisbach, R. R., and Heusted, assignors.)
Dow Chemical Company, The. (See Slagh, Harold R., assignor.)
Dow Chemical Company, The. (See Stoesser, Sylvia M., assignor.)
Dower, David W., Burlingame, and A. W. Clark, Albany, Calif. Impulse track circuit. 2,187,225; Jan. 16.
Draper Corporation. (See Brown, Carl D., assignor.)
Dreisbach, Robert R., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Polyisoproply halobenzenes. 2,186,960; Jan. 16.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Forming or cross slide mechanism for automatic metalworking machines. 2,187,681; Jan. 16.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Independent cross slide mechanism. 2,187,682; Jan. 16.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Independent cross slide mechanism. 2,187,683; Jan. 16.
Du-All Scaffold Bracket Company. (See Brown, Robert C., assignor.)
Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,187,197; Jan. 16.
Dunn, John H., Springdale, assignor to Aluminum Company of America, Pittsburgh, Pa. Bicycle frame and making same. 2,187,020; Jan. 16.
Duplex Printing Press Company. (See Behrens, Herbert C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Alvarado, A. M., and Holt, assignors.)
Du Pont, E. I., de Nemours & Company. (See Barrett, Bodine B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Starkweather, assignors.)
Du Pont, E. I., de Nemours & Company. (See Graves, Thomas A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kiernan, Thomas E., assignor.
Du Pont, E. I., de Nemours & Company. (See Lightbody, Albert, assignor.)
Du Pont, E. I., de Nemours & Company. (See Patterson, Gordon D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Thomas, Raymond E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Duquesne Mine Supply Company. (See Genter, Albert H., assignor.)
Eagle Pencil Company. (See Meilner, Joseph, assignor.)
Eastes, John W. (See Bruson, H. A., and Eastes.)
Eclipse Aviation Corporation. (See Zwack, Raymond T., assignor.)
Egan, Dan J., et al. (See Shackelford, George A., assignor.)
Egli, Ernst, Turbenthal, assignor to Boller, Winkler & Co., Turbenthal (im Grund), Zurich, Switzerland. Manufacture of full-cross gauze fabrics. 2,187,540; Jan. 16.
Ehrenzweig, Seymour S., Brooklyn, N. Y. Protected card file. 2,187,113; Jan. 16.
Electric & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)
Electrical Research Laboratories, Inc. (See De Vito, A., and Liesmann, assignors.)
Electrolux Corporation. (See Eriksson-Jons, Anders, assignor.)
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic device. 2,187,114; Jan. 16.
Ellwood, Walter B., New York, and W. H. T. Holden, Long Island City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,187,115; Jan. 16.
Emblidge, Robert M., Buffalo, N. Y. High tension bushing. 2,187,116; Jan. 16.
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Engineering Incorporated. (See McDonald, Dan, assignor.)
Englesson, John E., Kristinehamn, Sweden. Swivel joint. 2,187,147; Jan. 16.
Erickson, Prentis E., Minneapolis, Minn. Tooth brush supporting device for tooth massaging apparatus. 2,187,077; Jan. 16.
Erickson, Prentis E., assignor to J. B. Bradshaw, Minneapolis, Minn. Vibrating toilet apparatus. 2,187,076; Jan. 16.
Eriksson-Jons, Anders, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,187,654; Jan. 16.
Esselmann, Paul, Wolfen, Kreis Bitterfeld, K. Kösslinger, Dessau, and P. Saffert, Wolfen, Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Crimping device. 2,187,567; Jan. 16.
"Eumig" Elektrizitäts- und Metallwaren-Industrie. (See Malek, Georg, assignor.)
Evans, James M., Detroit, Mich., assignor, by mesne assignments, to Grade Crossing Guard Corporation, Memphis, Tenn. Hydraulic operating device. 2,187,513; Jan. 16.
Everson, John L., Oakland, Calif. Animal harness. 2,187,021; Jan. 16.
Faris, Harold P., Philadelphia, Pa., D. W. Yochum, and R. B. Logan, Trenton, N. J., assignors to National Automotive Fibres, Inc., Detroit, Mich. Carpet. 2,187,140; Jan. 16.

Farmer, John A., Lancaster, assignor to A. H. Hoffman, Inc., Landisville, Pa. Foldable blank box. 2,187,304; Jan. 16.
Farmer, John A., Lancaster, assignor to A. H. Hoffman, Inc., Landisville, Pa. Sealing folded blank boxes. 2,187,305; Jan. 16.
Faulkner, Leslie W., Champaign, Ill. Windshield wiper accessory. 2,187,117; Jan. 16.
Fernsch Aktiengesellschaft. (See Flechsig, Werner, assignor.)
Ficklin, John M. V., Washington, D. C. Valve latch. 2,187,118; Jan. 16.
Field, Frank H., Jamestown, N. Y. Vehicle delivery body. 2,187,419; Jan. 16.
Fields, James J., North Canton, Ohio. Lifting and transporting apparatus. 2,187,198; Jan. 16.
Finch, William G. H., Spuyten Duyvil, N. Y. Unitary system for transmitting color and black-white pictures. 2,187,374; Jan. 16.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Gauge for shoe pressing machines. 2,186,961; Jan. 16.
Fischer, Julius W. (See Kelton, W., and Fischer.)
Fish, Eugene B., assignor to West Coast Pipe & Steel Company, Los Angeles, Calif. Irrigation pipe and coupling. 2,187,119; Jan. 16.
Fisher, Herman G., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Action toy. 2,186,936; Jan. 16.
Fisher, Howard T., Winnetka, assignor to General Houses, Inc., Chicago, Ill. Building system. 2,187,148; Jan. 16.
Fisher-Price Toys, Inc. (See Fisher, Herman G., assignor.)
Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Grinding machine. 2,187,227; Jan. 16.
Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Wheel truing mechanism. 2,187,228; Jan. 16.
Flanders, Ralph E., and L. M. Davis, assignors to Jones & Lamson Machine Company, Springfield, Vt. Wheel-truing mechanism. 2,187,229; Jan. 16.
Flechsig, Werner, Berlin-Charlottenburg, assignor to Fernsch Aktiengesellschaft, Berlin-Zehlendorf, Germany. Treating luminescent materials. 2,187,022; Jan. 16.
Fleckenstine, Joe P., Glendale, Calif. Razor cleaning device. 2,187,491; Jan. 16.
Flindt, Albert O., assignor to General Electric Company, Schenectady, N. Y. Surface cooler. 2,187,555; Jan. 16.
Florin, Philip, New York, N. Y. Wallet. 2,187,375; Jan. 16.
Fly Fish Kit Company. (See Schumann, William H., assignor.)
Fogg, Robert E., Lynn, Mass. Machine for flocking. 2,187,617; Jan. 16.
Food Display Cover Company. (See Rouse, Arthur E., assignor.)
Food Machinery Corporation. (See Coons, Burton C., assignor.)
Formhals, Anton, assignor of forty-five one hundredths to R. Schreiber-Gastell, Mainz, Germany. Artificial thread and producing same. 2,187,306; Jan. 16.
Forsman, Fred, assignor to Teletype Corporation, Chicago, Ill. Spring contact. 2,187,023; Jan. 16.
Foss, Fred G., Hillside, N. J., assignor to American Can Company, New York, N. Y. Container. 2,186,962; Jan. 16.
Foster, Robert B., assignor to J. B. Smiley, Los Angeles, Calif. Time control switch mechanism. 2,186,964; Jan. 16.
Fowler, Fred D., Newton, assignor to Hood Rubber Company, Inc., Watertown, Mass. Compacting articles. 2,187,024; Jan. 16.
Fox, Alexander P., and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,187,684; Jan. 16.
Fox, Richard. (See Thompson, A. R., and Fox.)
Fox, Bernard J., assignor of one-half to L. H. Troshinsky, Washington, D. C. Photographic apparatus. 2,187,709; Jan. 16.
France Sporting Inc. (See Todrys, Otto, assignor.)
Frank, Louis, assignor of one-third to A. Reader, Taft, Calif. Wire or rod connector. 2,187,230; Jan. 16.
Frank, Samuel K., et al., trustees. (See Ice, James N., assignor.)
Frankenberg, Julius, Chicago, Ill.; L. Frankenberg, administrator of estate of J. Frankenberg, decreased, assignor, by mesne assignments, to L. Frankenberg. Air conditioning system. 2,187,492; Jan. 16.
Frankenberg, Lester, administrator. (See Frankenberg, Julius, assignor.)
Franklin, Robert M., Brooklyn, N. Y., assignor of one-third to E. C. Pomeroy, Hopewell, N. J., and one-third to R. C. Johnson, Washington, D. C. Motor vehicle headlight control system. 2,187,648; Jan. 16.
Freedman, Benjamin H., Asbury Park, N. J. Theater ticket. 2,187,685; Jan. 16.
Frei, John, Jr., Chicago, Ill. Sharpening device. 2,187,231; Jan. 16.
French, Kieth M., Watertown, N. Y. Wrist-attached camera. 2,187,449; Jan. 16.
Fridolph, Annette, New York, N. Y. Bed sheet. 2,186,965; Jan. 16.
Friend, J. Don, Hawthorne, N. J. Bearing. 2,187,307; Jan. 16.
Frilseth, Ole P. (See Reiter, R. G., and Frilseth.)
Fritz, Karl, Neubabelsberg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron. 2,187,149; Jan. 16.
Fulton Company, The. (See Thorp, Joel R., assignor.)
Fuss, George R., Philadelphia, Pa. Illumination means for handbags and the like. 2,187,308; Jan. 16.
Galbreath, Frank R. (See Maynard, James, assignor.)
Galligan, Thomas E., assignor to Knapp-Monarch Company, St. Louis, Mo. Heating element winding machine. 2,187,267; Jan. 16.
Gardner, Anthony J., Barrington, Ill. Filter. 2,187,514; Jan. 16.
Gardner, Henry A., Chevy Chase, Md., and A. Kirkpatrick, assignors to Monsanto Chemical Company, St. Louis, Mo. Resin composition. 2,187,199; Jan. 16.
Garner, Lue O., and F. Montesi, Memphis, Tenn. Dispensing apparatus. 2,187,232; Jan. 16.
Garner, Lue O., and F. Montesi, Memphis Tenn. Dispensing apparatus. 2,187,233; Jan. 16.
Gebs, Ernest C., New York, N. Y. Ornamental flower holder. 2,187,450; Jan. 16.
Geiser, Nikolaus, Oberhausen-Holten, and H. Goethel, Hamborn, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Producing lubricating oils. 2,187,704; Jan. 16.
General Aniline Works, Inc. (See Richter, Wolfgang, assignor.)
General Cable Corporation. (See Borgeson, Sidney E. assignor.)
General Cable Corporation. (See Potter, Frank M., assignor.)
General Electric Company. (See Bloomberg, David J., assignor.)
General Electric Company. (See Flindt, Albert O., assignor.)
General Fire Extinguisher Company. (See Roberts, Arthur, assignor.)
General Houses, Inc. (See Fisher, Howard T., assignor.)
General Motors Corporation. (See Arthur, James L., assignor.)
General Motors Corporation. (See Carlson, Wilbur L., assignor.)
General Motors Corporation. (See Collins, Harry A., assignor.)
General Motors Corporation. (See Henney, Charles F., assignor.)
General Motors Corporation. (See Hutchins, W. H., and Rohr, assignors.)
General Motors Corporation. (See Hutchinson, Philip H., assignor.)
General Motors Corporation. (See Karmazin, John, assignor.)
General Motors Corporation. (See Keiper, Francis P., assignor.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See Lenel, Fritz V., assignor.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
General Motors Corporation. (See Trigg, C. S., and Schweller, assignors.)
General Motors Corporation. (See White, Joe, assignor.)
General Motors Corporation. (See Williams, Harry M., assignor.)
General Motors Corporation. (See Winkler, Wynne G., assignor.)
Genter, Albert H., Ross Township, Allegheny County, assignor to Duquesne Mine Supply Company, Pittsburgh, Pa. Trolley wire support. 2,187,309; Jan. 16.
Genter, Albert H., Ross Township, Allegheny County, assignor to Duquesne Mine Supply Company, Pittsburgh, Pa. Section switch. 2,187,310; Jan. 16.
Genter, Albert H., Ross Township, Allegheny County, assignor to Duquesne Mine Supply Company, Pittsburgh, Pa. Trolley wire support. 2,187,311; Jan. 16.
George, Fred, Lakewood, Ohio, assignor to Interchemical Corporation, New York, N. Y. Two-tone gravure printing method. 2,187,420; Jan. 16.
George, Fred, Lakewood, Ohio, assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Doctor blade. 2,187,421; Jan. 16.
George, Harry S., Massapequa, N. Y. Producing rails. 2,186,966; Jan. 16.
George, Harry S., New York, N. Y. Repaired railroad rail. 2,186,967; Jan. 16.
Gerdau, Henry J., San Francisco, Calif. Cooking appliance. 2,187,515; Jan. 16.
Gerhard, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio beacon system. 2,187,618; Jan. 16.
Gigliotti, William, North Adams, Mass. Straightening machine. 2,187,649; Jan. 16.
Giles, Alfred O. (See Nicoll, J. S., Giles, Maruoka, Butler, and Countryman.)
Gill, Michael J., Secaucus, N. J. Highway guard. 2,187,556; Jan. 16.
Gillen, George A., New York, N. Y. Throttling pump. 2,187,151; Jan. 16.
Gillespie, Jayson E., Lincoln, Nebr. Wheel and tire mount. 2,187,557; Jan. 16.

Gilpin, Garth G., Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. End wall for railway cars. 2,187,025; Jan. 16.

Glison, Donald E., Maplewood, N. J. Folder. 2,187,451; Jan. 16.

Glaxner, Daniel, Pampa, Tex., assignor to Columbian Carbon Company, New York, N. Y. Nodulizing. 2,187,601; Jan. 16.

Glocker, Gustave, Capitol Heights, Md. Container key. 2,187,395; Jan. 16.

Glocker, Gustave, Capitol Heights, Md. Container. 2,187,396; Jan. 16.

Glocker, Gustave, assignor to Super-Seal Vacuum Glass Container Corporation, Washington, D. C. Jar. 2,187,394; Jan. 16.

Goethel, Herbert. (See Geiser, N., and Goethel.)

Goff, Lionel E., L. M. Sheldon, M. L. Herzog, and F. Olsen, assignors to The Cellulose Research Corporation, East Alton, Ill. Wood cellulose and producing same. 2,187,710; Jan. 16.

Goggins, James P., assignor to Interstate Transit Lines, Omaha, Nebr. Air conditioning apparatus. 2,187,397; Jan. 16.

Goggins, James P., assignor to Interstate Transit Lines, Omaha, Nebr. Air conditioning assembly for vehicles. 2,187,398; Jan. 16.

Good Roads Machinery Corporation. (See Abbe, George C., assignor.)

Goodlake, Clyde, Wenatchee, Wash. Meat table. 2,187,312; Jan. 16.

Goranson, Roy W., and W. A. Zisman, assignors to Carnegie Institution of Washington, Washington, D. C. Electric field sensitive device. 2,187,541; Jan. 16.

Gordon, Samuel H., and W. F. Young, Inverness, Scotland. Electric flash welding machine. 2,187,452; Jan. 16.

Gordon, Taylor, New York, N. Y. Game apparatus. 2,187,493; Jan. 16.

Görlich, Paul, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Producing a photoelectric tube. 2,187,234; Jan. 16.

Gossiau, Fritz, Berlin-Charlottenburg, and J. Schmidt, Berlin-Eichkamp, assignors to Selmens Apparate und Maschinen (Gesellschaft mit beschrankter Haftung), Berlin, Germany. Aircraft engine control. 2,187,120; Jan. 16.

Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency energy line. 2,187,584; Jan. 16.

Gould, Stephen P. (See Whittier, E. O., and Gould.)

Government of the United States represented by the Secretary of Commerce. (See Isbell, Horace S., assignor.)

Grace, Jack, Brooklyn, N. Y. Temperature warning signal. 2,187,346; Jan. 16.

Grade Crossing Guard Corporation. (See Evans, James M., assignor.)

Graenacher, Charles, Riehen, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Producing dyeings. 2,187,453; Jan. 16.

Grau, Herbert E., Vernon, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,186,968; Jan. 16.

Graves, Thomas A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Venetian blind slat. 2,187,121; Jan. 16.

Gray, Harry Z., Lebanon, Ohio. Bottle carrier. 2,187,494; Jan. 16.

Green, Charles W., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,187,200; Jan. 16.

Green, Samuel G., Gray, Ga. Machine gun structure. 2,186,969; Jan. 16.

Greene, Edgeworth, Upper Montclair, N. J., assignor to Inter-Seal Corporation, New York, N. Y. Bottle closure. 2,187,619; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Bearing pile construction. 2,187,313; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Bearing pile splice clamp. 2,187,314; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Bearing pile construction. 2,187,315; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Bearing pile construction. 2,187,316; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Bearing pile construction. 2,187,317; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Concrete bearing pile. 2,187,318; Jan. 16.

Greulich, Gerald G., Mount Lebanon, Pa. Bearing pile construction. 2,187,319; Jan. 16.

Griffin, Sheldon, et al. (See Schatz, Frederick M., assignor.)

Griffiths, Arthur D. L., et al. (See Anderson, A. J., and Hill, assignors.)

Grigas, Anthony, Worcester, Mass. Ceiling washing implement. 2,187,585; Jan. 16.

Grigsby, Claude E., Galesburg, Ill. Twin sash. 2,187,078; Jan. 16.

Grip, Carl A. O., Newton, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 2,187,235; Jan. 16.

Grossman, Wallace G., and H. F. Carpenter, White Plains, N. Y. Mat. 2,187,620; Jan. 16.

Gruen Watch Company, The. (See Katz, Benjamin S., assignor.)

Guarnaschelli, Stephen, Elmhurst, assignor to Packless Metal Products Corporation, New York, N. Y. Flexible metallic hose. 2,187,347; Jan. 16.

Guibert, Francis W., Los Angeles, Calif. Spraying apparatus. 2,187,376; Jan. 16.

Gulf Research & Development Company. (See Lane, Abbot A., assignor.)

Gulf Research & Development Company. (See Lane, A. A., and Jacobson, assignors.)

Gulf Research & Development Company. (See Pigott, Reginald J. S., assignor.)

Gullet Gin Company. (See Wallace, Jeffrey J., assignor.)

Gurley, John W., Dayton, Ohio, assignor to The Coca-Cola Company, Wilmington, Del. Vending machine. 2,187,568; Jan. 16.

Gusmarino, Paul. (See Strocco, G., and Gusmarino.)

Guth, Charles G., Baltimore, Md. Uncrystallizable sugar and making the same. 2,187,122; Jan. 16.

Gwinn, Joseph M., Jr., Buffalo, N. Y. Aircraft control. 2,187,152; Jan. 16.

Habiltzel, Harvey F., Long Lake, Wis. Animal feeding means. 2,187,711; Jan. 16.

Hagen, Ole E., Chicago, Ill. Welder's goggles. 2,187,542; Jan. 16.

Hague, Louis M., Rumson, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Wave-forming device for buffs. 2,187,602; Jan. 16.

Hall, Nathan I., Elkins, W. Va. Radio transmitter. 2,187,603; Jan. 16.

Hallead, Mervil, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Sealing collapsible tubes. 2,187,516; Jan. 16.

Hamachek, Frank, Jr., assignor to Frank Hamachek Machine Company, Kewaunee, Wis. Feeder for pea viners. 2,187,026; Jan. 16.

Hamachek, Frank, Machine Company. (See Hamachek, Frank, Jr., assignor.)

Hambly, Allen E., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,186,970; Jan. 16.

Hanna, William T., Cincinnati, Ohio. Door housing for locomotive stokers. 2,187,495; Jan. 16.

Hannon, Albert H., Springfield, Ohio. Work-piece holder for electroplating machines. 2,187,079; Jan. 16.

Hanson-Van Winkle-Munning Company. (See Hague, Louis M., assignor.)

Hanus, Clarence R., Milwaukee, Wis. Heel saver for shoes. 2,187,621; Jan. 16.

Hardinge Brothers, Inc. (See O'Connell, James R., assignor.)

Harm, Richard S., Dormont, assignor of one-half to G. W. Battles, Springfield, Pa. Sheet feeding mechanism. 2,187,123; Jan. 16.

Harmon, Frank B., Clifton, N. J. Automatic control device. 2,187,124; Jan. 16.

Harper, George H., Oklahoma City, Okla. Meat salter. 2,187,687; Jan. 16.

Harris-Seybold-Potter Company. (See Wood, William H., assignor.)

Hartley, Henry J., Hastings on Hudson, N. Y., and D. Baird, Berkeley, Calif., assignors to Nichols Engineering & Research Corporation, New York, N. Y. Incineration of sewage sludge or the like waste materials. 2,187,201; Jan. 16.

Hartung, Walter H., Baltimore, Md., and F. S. Crossley, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Barbituric acid derivatives. 2,187,705; Jan. 16.

Harvey, O'Dell K., Marcellus, Mich. Glare shield. 2,187,027; Jan. 16.

Haskin, Simon, North Carlton, Victoria, Australia. Machine for beating and dressing furs and the like. 2,187,643; Jan. 16.

Hausdorf, Erich, Berlin, Germany. Electrodynamic apparatus. 2,187,236; Jan. 16.

Hauserman, E. F., Company, The. (See Bohnsack, J. A., and Balch, assignors.)

Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Multiple anvil for fastener setting machines. 2,187,517; Jan. 16.

Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-seat fitting machine. 2,187,150; Jan. 16.

Heltzel, John N., Warren, Ohio. Road building machine. 2,187,080; Jan. 16.

Hendrickson, Ralph E., assignor to Lane-Wells Company, Los Angeles, Calif. Well survey instrument case. 2,187,028; Jan. 16.

Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,187,569; Jan. 16.

Henry, Augustus M., Brooklyn, N. Y. Amusement apparatus. 2,187,422; Jan. 16.

Henry, James Q., Los Angeles, Calif. Switch control. 2,187,202; Jan. 16.

Hensel, Franz R., assignor to P. R. Mallory & Co. Inc., Indianapolis, Ind. Wear resistant electric contact. 2,187,377; Jan. 16.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Abrasion resistant electric contact. 2,187,378; Jan. 16.

Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Alloy. 2,187,379; Jan. 16.

Herb, Leroy B., Wyomissing, and R. H. Scheer, New Holland, assignors to Vanity Fair Silk Mills, Reading, Pa. Flat knitting machine. 2,186,971; Jan. 16.

Herzog, Milton L. (See Goff, L. E. Sheldon, Herzog, and Olsen.)

Hess, Edwin W. (See Hess, Walter, assignor.)

Hess, Walter, assignor of one-half to E. W. Hess, New York, N. Y. Adding and subtracting device. 2,187,496; Jan. 16.

Heusted, George B. (See Dreisbach, R. R., and Heusted.)

Hevers, Sylvester E., Waterford, N. Y. Teapot. 2,187,029; Jan. 16.

Hill, Arthur M., assignor to Stanolind Pipe Line Company, Tulsa, Okla. Safety snatch block. 2,187,268; Jan. 16.

Hill, George. (See Anderson, A. J., and Hill.)

Hinckley, William T., Chicago, assignor to Whiting Corporation, Harvey, Ill. Multiple effect evaporator and the like. 2,187,030; Jan. 16.

Hinde & Dauch Paper Company, The. (See Wagner, Henry D., assignor.)

Hipel, N. O., Limited. (See Beattie, William C., assignor.)

Hi-Way Service Corporation. (See Kerber, Joseph H., assignor.)

Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)

Hodgins, Theodore S., Royal Oak, and A. G. Hovey, Pleasant Ridge, assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich. Dimethylol urea acetal condensation product and producing the same. 2,187,081; Jan. 16.

Hodson, Frank, New York, N. Y. Forming composite metal bearings. 2,187,348; Jan. 16.

Hoeltzel, John J. (See Collings, W. R., and Hoeltzel.)

Hoffman, A. H., Inc. (See Farmer, John A., assignor.)

Hoffstetter, Carl H. and R. F., Erie Pa. Stove or range. 2,187,320; Jan. 16.

Hoffstetter, Robert F. (See Hoffstetter, Carl H. and R. F.)

Hogencamp, Harold C. (See Kern, E. A., Clothier, and Hogencamp.)

Holden, William H. T. (See Ellwood, W. B., and Holden.)

Holland, Friedrich, Brockton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Welted footwear. 2,187,031; Jan. 16.

Hollander, Aladar, and W. F. Mayer, Los Angeles, assignors to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,186,972; Jan. 16.

Hollingshead, R. M., Corporation. (See Bagley, Robert M., assignor.)

Holt, Harold S. (See Alvarado, A. M., and Holt.)

Hood Rubber Company. (See Fowler, Fred D., assignor.)

Hooper, Harold A. (See Hooper, William J., assignor.)

Hooper, William J., Elsah, assignor of one-half to H. A. Hooper, Chicago, Ill. Dental spray. 2,187,586; Jan. 16.

Hopkins, Arthur G., Sherman, Tex., assignor to S. H. Berch, Beverly Hills, Calif. Packing and sealing food products. 2,187,688; Jan. 16.

Hopkins, Louis J., Wasco, Calif., assignor to Continental Oil Company, Ponca City, Okla. Device for making drill pipe connections. 2,187,399; Jan. 16.

Horn, Harry J., and J. H. Hunt, assignors to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,187,032; Jan. 16.

Hornstein, Mark, New York, N. Y. Device to ease childbirth. 2,187,125; Jan. 16.

Horst, E. Clemens, Company. (See Thys, Edouard, assignor.)

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,186,973; Jan. 16.

Houdremont, Eduard. (See Schafmeister, P., and Houdremont.)

Hovey, Almon G. (See Hodgins, T. S., and Hovey.)

Howie, Robert G. (See Short, W. C., Howie, and Wiley.)

Hubacker, Earl F., Highland Park, assignor to Borg-Warner Corporation. Electric motor. 2,187,033; Jan. 16.

Huber, Charles A., Philadelphia, Pa. Dispensing apparatus. 2,187,153; Jan. 16.

Huff, Evelyn D. L., and H. K. Olson, Mandan, N. Dak. Container for melting and pouring paraffin. 2,187,082; Jan. 16.

Hund, Mildred A., et al. (See Pagliaroni, John V., assignor.)

Hunt, J. Harold. (See Horn, H. J., and Hunt.)

Husted, Harry A., Sandusky, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Automobile steering wheel construction. 2,187,604; Jan. 16.

Hutaff, George H., Jr., Wilmington, N. C. Bottle cap. 2,187,454; Jan. 16.

Hutchins, William H., and H. C. Rohr, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Oil burner control. 2,187,269; Jan. 16.

Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding. 2,187,471; Jan. 16.

Hydraulic Coupling Patents Limited. (See Kiep, J. N., and Sinclair, assignors.)

Hydraulic Coupling Patents Limited. (See Sinclair, H., and Basebe, assignors.)

Hydraulic Press Corporation, The. (See MacMillin, Howard F., assignor.)

Hydril Company. (See Stone, A. L., Rice, and Appleton, assignors.)

Hyland, William M., Flint, Mich. Drop leaf extension table. 2,187,423; Jan. 16.

I. G. Farbenindustrie Aktiengesellschaft. (See Esselmann, P., Kösslinger, and Saffert, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kränzlein, G., and Lampert, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Söll, Julius, assignor.)

Ice, James N., assignor to a trusteeship of J. N. Ice, A. Best, and S. K. Frank, Wheeling, W. Va., as trustees. Pipe, tubing, and conduit coupling. 2,186,974; Jan. 16.

Ilische, Arthur, Rye, N. Y. Fastener for women's handbags and other articles. 2,187,605; Jan. 16.

Ingersoll, Roy C., Oak Park, and R. H. Sullivan, assignors to Borg-Warner Corporation, Chicago, Ill. Receptacle cover. 2,187,154; Jan. 16.

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preservation of Rubber. 2,187,155; Jan. 16.

Interchemical Corporation. (See George, Fred, assignor.)

Interna Holding, Société Anonyme. (See Breslav, Victor, assignor.)

International Harvester Company. (See Avila, Frank W., assignor.)

International Harvester Company. (See Bechman, William O., assignor.)

International Harvester Company. (See Johnston, Edward A., assignor.)

Inter-Seal Corporation. (See Greene, Edgeworth, assignor.)

Interstate Transit Lines. (See Goggins, James P., assignor.)

Iowa Button Machinery Company. (See Carris, Edward C. and J. R., assignors.)

Ipatieff, Vladimir, and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,187,034; Jan. 16.

Irwin Auger Bit Company, The. (See Albrecht, Alfred P., assignor.)

Isaac, Robert C., New York, N. Y. Garment clasp. 2,187,650; Jan. 16.

Isbell, Horace S., Washington, D. C., assignor to the Government of the United States represented by the Secretary of Commerce. Crystalline calcium lactobionate calcium bromide and making the same. 2,186,975; Jan. 16.

Jackson, Frank P., Austin, Tex. Die. 2,187,651; Jan. 16.

Jackson, John G., Detroit, and W. T. Allen, Royal Oak, assignors to Square D Company, Detroit, Mich. Circuit breaker. 2,187,606; Jan. 16.

Jacobsen, Vivien, et al. (See Anderson, A. J., and Hill, assignors.)

Jacobson, Eugene W. (See Lane, A. A., and Jacobson.)

Jaray, Felix and W., Vienna, Austria. Convertible bedsettee. 2,187,689; Jan. 16.

Jaray, Walter. (See Jaray, Felix and W.)

Jefferson Union Company. (See Baker, Edward W., assignor.)

Jennings, Jarvis S., Jr., assignor to Monarch Governor Company, Detroit, Mich. Control mechanism for governors. 2,187,652; Jan. 16.

Jennings, Jarvis S., Jr., assignor to Monarch Governor Company, Detroit, Mich. Governor. 2,187,653; Jan. 16.

Johns-Manville Corporation. (See Rowe, William L., assignor.)

Johnson, Arthur A., Bridgeport, Conn. Toy railway system. 2,187,424; Jan. 16.

Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism. 2,187,156; Jan. 16.

Johnson, Royal C., et al. (See Franklin, Robert M., assignor.)

Johnson, Russell W., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,187,321; Jan. 16.

Johnson, William C., assignor to Machinery Development Company, Milwaukee, Wis. Setting-out board. 2,187,157; Jan. 16.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor construction. 2,187,425; Jan. 16.

Johnston, George B., Glendale, Ohio, assignor to The Philip Carey Manufacturing Company. Weather covering. 2,187,203; Jan. 16.

Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Grading machine. 2,187,204; Jan. 16.

Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)

Jones & Lamson Machine Company. (See Flanders, R. E., and Davis, assignors.)

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Double fastener member. 2,187,322; Jan. 16.

Jordan, John, Portland, Oreg. Blind stitching device. 2,187,237; Jan. 16.

Judd, Trenor P., Cairo, Ill. Motorcycle and the like. 2,187,238; Jan. 16.

Julien, Maurice F. A., Paris, France. Power transmitting coupling. 2,187,706; Jan. 16.

Junkmann, Karl, Berlin, and H.-G. Allardt, Philippsthal, Kreis, Teltow, Germany, assignors to Schering Aktiengesellschaft. Trialkylacetamides having saturated alkyl groups and making the same. 2,186,976; Jan. 16.

Kalajian, Harry J., Detroit, Mich. Die casting machine. 2,187,239; Jan. 16.

Kaltoft, Sigurd, assignor to Howard Rose Company, Hemet, Calif. Plow. 2,187,380; Jan. 16.

Kane, Archie S., Everett, Wash. Land clearing machine. 2,187,707; Jan. 16.

Kann, Eduard, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Film cutter. 2,187,655; Jan. 16.

Karasick, Samuel, Mount Vernon, N. Y. Permanent magnet chuck and demagnetizer. 2,187,240; Jan. 16.

Karmazin, John, Grosse Ile, Mich., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,187,035; Jan. 16.

Kasarjian, Armen A., Jackson Heights, assignor to Mosler Ignition Corporation, New York, N. Y. Multiple seal spark plug. 2,187,472; Jan. 16.

Kastar, Incorporated. (See Stark, Louis, assignor.)

Kastar Incorporated. (See Wilson, Howard, assignor.)

Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Side wrist watch. 2,187,205; Jan. 16.

Katzow, Abraham, Indianapolis, Ind. Refrigerator. 2,187,497; Jan. 16.

Kaufmann Department Stores, Inc. (See Hhumm, Carl F., assignor.)

Keele, Ralph M., assignor to Keelmo Co., San Francisco, Calif. Apparatus for permanently waving hair. 2,187,473; Jan. 16.

Keele, Ralph M., assignor to Keelmo Co., San Francisco, Calif. Apparatus for hair waving. 2,187,474; Jan. 16.

Keelmo Co. (See Keele, Ralph M., assignor.)

Kehl, Robert J., Manhasset, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Cleaning device for hopper outlets. 2,187,587; Jan. 16.

Kehle, Ottmar A., assignor to Sterling Products Company, Detroit, Mich. Oiler for air tools. 2,187,241; Jan. 16.

Keiper, Francis P., Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio. Ice tray. 2,187,083; Jan. 16.

Keller, Henry V. (See Tonn, Christ, assignor.)

Keller, Henry V., Minneapolis, Minn. Ironing table. 2,187,607; Jan. 16.

Keller, William H., Inc. (See Shaff, Ernest H., assignor.)

Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)

Kelton, Walter, and J. W. Fischer, Seattle, Wash.; said Fischer assignor to said Kelton. Crutch splint. 2,187,323; Jan. 16.

Kerber, Joseph H., assignor to Hi-Way Service Corporation, Milwaukee, Wis. Hydraulic apparatus. 2,187,036; Jan. 16.

Kern, Emil A., South Orange, S. L. Clothier, East Orange, and H. C. Hogencamp, Irvington, assignors to Kolorama Laboratories, Inc., Newark, N. J. Lenard ray tube head. 2,187,126; Jan. 16.

Kern, Walter, Sissach, and R. Tobler, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Arylides of 2,3-hydroxynaphthoic acid. 2,187,455; Jan. 16.

Kesner, Michael L., Chicago, Ill. Venetian blind. 2,187,242; Jan. 16.

Kettel, Ernst. (See Wilhelm, K., and Kettel.)

Keys, William A., New York, N. Y. Neckband loop. 2,187,349; Jan. 16.

Kiefer, Karl, Machine Company, The. (See Hallead, Mervil, assignor.)

Kiep, Johann N., Hamburg, Germany, and H. Sinclair, Kensington, London, assignors to Hydraulic Coupling Patents Limited, London, England. Hydraulic power transmitter. 2,187,656; Jan. 16.

Kiernan, Thomas E., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Translucent light shield. 2,187,127; Jan. 16.

Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Sealing means for shafts. 2,187,084; Jan. 16.

Kingsbury Machine Works, Inc. (See Kingsbury, Albert, assignor.)

Kinkead, Fullerton S., Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,187,158; Jan. 16.

Kinnear, Samuel E. (See Lloyd-Jones, T. C., and Kinnear.)

Kirchner, Henry P. (See Melton, R. L., Benner, and Kirchner.)

Kirk, William F., Kansas City, Mo. Anchoring structure for portable ice boxes. 2,187,270; Jan. 16.

Kirkpatrick, Arnold. (See Gardner, H. A., and Kirkpatrick.)

Kirkpatrick, Lafayette H., Pasadena, Calif. Well tool or the like. 2,187,037; Jan. 16.

Kisling, Marjorie B. (See Kisling, Vernon N., assignor.)

Kisling, Vernon N., assignor of one-half to M. B. Kisling, Baltimore, Md. Toy railway rolling stock. 2,187,085; Jan. 16.

Kitroser, Isaac, Viroflay, assignor to Société Bronzavia, Courbevoie (Seine), France. Photographic camera. 2,187,128; Jan. 16.

Klein, Victor G. (See Fox, A. P., and Klein.)

Knapp-Monarch Company. (See Galligan, Thomas E., assignor.)

Knapp-Monarch Company. (See Knapp, Raymond, assignor.)

Knapp-Monarch Company. (See Kochner, William B., assignor.)

Knapp, Raymond, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo. Dry shaver. 2,187,271; Jan. 16.

Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Box making. 2,186,977; Jan. 16.

Knox, Harry A., Washington, D. C. Vehicle track chain. 2,186,978; Jan. 16.

Knox, Harry A., Washington, D. C. Vehicle track chain. 2,186,979; Jan. 16.

Knudson, Irving J., Kenilworth, Ill., assignor to Detroit Lubricator Company, Detroit, Mich. Method of and apparatus for cold control. 2,187,038; Jan. 16.

Koch, Lynn J. (See Reinhard, J. B., and Koch.)

Koch, Roderick M., Evansville, Ind. Flowerpot holder and stand. 2,187,159; Jan. 16.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Power take-off for food mixers. 2,187,272; Jan. 16.

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Metallic element and making same. 2,187,086; Jan. 16.

Koerner, Walter E., East Orange, assignor to Utility Electric Corporation, East Newark, N. J. Light-diffusing coating material. 2,187,622; Jan. 16.

Kohler, Arthur. (See Kohler, Laura and A.)

Kohler, Harriet S., Westport, Conn. Knitting needle. 2,187,039; Jan. 16.

Kohler, Laura and A., Chicago, Ill. Fountain pen. 2,187,160; Jan. 16.

Kolorama Laboratories, Inc. (See Kern, E. A., Clothier, and Hogencamp, assignors.)

Komusin, Erich, assignor to Telefonbau und Normalzeit G. m. b. H., Frankfort-on-the-Main, Germany. Printing apparatus. 2,187,456; Jan. 16.

Kosslinger, Karl. (See Esselmann, P., Kösslinger, and Saffert.)

Krämer, Wilhelm, Emmerich Rhine, Germany. Apparatus for making welded wire netting. 2,187,129; Jan. 16.

Kränzlein, Georg, and U. Lampert, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polyvinyl acetals. 2,187,570; Jan. 16.

Kreps, Charles D., Hazel Crest, Ill. Dental partial plate holder. 2,187,457; Jan. 16.

Krinke, Harry J., et al. (See Cheney, Thomas A., assignor.)

Kropp, Willis A., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,187,608; Jan. 16.

Krupp Nirosta Company. (See Schafmeister, P., and Houdremont, assignors.)

Kühnel, Carl, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mixing bowl fastener. 2,187,426; Jan. 16.

Kulka, Frank M., assignor to Motor Castings Company, Milwaukee, Wis. Mold skin drier. 2,187,161; Jan. 16.

Kushima, James I., Ewa, Hawaii. Cooling receptacle. 2,187,558; Jan. 16.

Kuzmick, Paul L., Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Resilient mounting for abrasive wheels. 2,187,350; Jan. 16.

La Chapelle, Euclid I., Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Clicking machine. 2,187,162; Jan. 16.

Laclede Steel Company. (See Young, L., and Boyle, assignors.)

Laddon, Isaac M., W. A. Ring, and H. I. Mandolf, San Diego, Calif., assignors to Consolidated Aircraft Corporation. Retractable alighting gear. 2,187,040; Jan. 16.

Laessker, Fritz, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Friedrichshafen-on-the-Bodensee, Germany. Dividing apparatus for toothed wheels or like grinding machines. 2,187,544; Jan. 16.

La Hiff, John A., assignor to The Vibroplex Co., Inc., New York, N. Y. Telegraph sending machine. 2,187,351; Jan. 16.

Laible, Albert F. (See Lammers, P. J., and Laible.)

Lambert, Walter E., Knoxville, assignor to McMurray Structural Steel Company, Inc., Nashville, Tenn. Conveying equipment. 2,187,657; Jan. 16.

Lammers, Peter J., and A. F. Laible, Oakland, Calif. Refrigeration. 2,187,041; Jan. 16.

Lampert, Ulrich. (See Kränzlein, G., and Lampert.)

Landahl, Eugene E., Detroit, Mich. Trolley conveyer. 2,187,498; Jan. 16.

Lane, Abbot A., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Mechanical movement. 2,187,659; Jan. 16.

Lane, Abbot A., Aspinwall, and E. W. Jacobson, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Amphibian vehicle. 2,187,658; Jan. 16.

Lane, Alvin H. (See Chappell, James F., assignor.)

Lane, Jack, New York, N. Y. Pasteboard printing frame. 2,187,381; Jan. 16.

Lane-Wells Company. (See Barnes, Charles H., assignor.)

Lane-Wells Company. (See Hendrickson, Ralph E., assignor.)

Lane-Wells Company. (See Miner, Keith H., assignor.)

Langer, Max, Berlin-Heemsdorf, and G. Zapf, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 2,187,499; Jan. 16.

Langer, Walter, New York, N. Y. Deodorant puff and making same. 2,187,163; Jan. 16.

Langhaar, Louis, Allentown, Pa. Throttle governor. 2,187,243; Jan. 16.

Lansing, Raymond P., Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,187,545; Jan. 16.

Larson, Fritz F., St. Paul, Minn. Window lock. 2,187,660; Jan. 16.

Larson, Karl R., Minneapolis, Minn. Fish lure. 2,187,609; Jan. 16.

Larson, Victor F., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Hammer screen. 2,187,273; Jan. 16.

Larson, William A., Centralia, Ill., and H. T. Swortwood, Oklahoma City, Okla. Bailer or sand pump. 2,187,042; Jan. 16.

Laubscher, Ralph E., Lakewood, Ohio. Floor construction. 2,187,500; Jan. 16.

Lauby, Anton J., Marshfield, Wis. Artificial bait. 2,187,475; Jan. 16.

Lawson, Fred E., Philadelphia, Pa. Housing for Venetian blind operating mechanism. 2,187,458; Jan. 16.

Lazow, Morris, Brooklyn, N. Y. Handle supporting mechanism. 2,187,610; Jan. 16.

Leary, Earl R., West Scarboro, Maine. Flexible template. 2,187,087; Jan. 16.

Leatherman, Martin, Hyattsville, Md.; dedicated to the free use of the People of the United States of America. Soil adjuvant. 2,187,532; Jan. 16.

Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Push-broom-type vacuum cleaner. 2,187,164; Jan. 16.

Le Bleu, Charles, Los Angeles, Calif. Trail builder, bull dozer, and the like. 2,187,072; Jan. 16.

Leib, August, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finder compensator. 2,187,588; Jan. 16.

Lemmon, William G., and A. Stowers, New York, N. Y. Toilet seat cover dispenser. 2,187,352; Jan. 16.

Lenel, Fritz V., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Porous iron article and making same. 2,187,589; Jan. 16.

Levy, Minnie, and F. R. Casino, Brooklyn, N. Y. Container. 2,187,559; Jan. 16.

Lewis, Arthur W., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubrication. 2,187,353; Jan. 16.

Lewis, John D. (See Ashburn, R. G., and Lewis.)

Libbey, Fred N., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Shipping package. 2,187,382; Jan. 16.

Liessmann, Frederick. (See De Vito, A., and Liessmann.)

Lightbody, Albert, Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treated pigment and producing the same. 2,187,130; Jan. 16.

Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)

Lincoln Engineering Company. (See Fox, A. P., and Klein, assignors.)

Linograph Corporation. (See Murray, Clay E., assignor.)

Lippold, Carl J., Wauwatosa, assignor to J. M. Nash Company, Milwaukee, Wis. Finishing and polishing method and equipment. 2,187,131; Jan. 16.

Lissauer, Adolph W., assignor to Louisville Drying Machinery Company, Louisville, Ky. Treatment of waste material. 2,187,501; Jan. 16.

Lloyd-Jones, Thomas C., and S. E. Kinnear, Modesto, Calif. Peanut harvester. 2,187,206; Jan. 16.

Lochrane, Harold M., Cleveland, Ohio. Valve tappet. 2,187,661; Jan. 16.

Logan, George L., assignor to Tompkins Bros. Co., Syracuse, N. Y. Method of and apparatus for making knitted fabric. 2,187,132; Jan. 16.

Logan, Russell B. (See Faris, H. P., Yochum, and Logan.)

Lohrman, Thomas P., San Francisco, Calif. Window construction for vehicle bodies. 2,186,937; Jan. 16.

Long, Perry R. (See Wood, H. A. W., and Long.)

Lord, Hugh C., Erie, Pa. Curing plastic material and articles, and apparatus therefor. 2,187,165; Jan. 16.

Lorenz, Helmuth, Dusseldorf, Germany. Pressure seal for windows and doors. 2,187,459; Jan. 16.

Louisville Drying Machinery Company. (See Lissauer, Adolph W., assignor.)

Loveless, Glenn R., Kansas City, Mo. Refrigerator structure. 2,187,274; Jan. 16.

Lowell, Percival D., Chevy Chase, Md. Superheterodyne signal receiving system. 2,186,980; Jan. 16.

Ludwig, Oskar R., assignor to Röhm & Haas Company, Philadelphia, Pa. Laminating with a urea formaldehyde resin. 2,187,383; Jan. 16.

Luppert, Valentine C., Williamsport, Pa. Extension table. 2,187,133; Jan. 16.

Lurie, August J., Chicago, Ill. Utility knife. 2,187,590; Jan. 16.

Machinery Development Company. (See Johnson, William C., assignor.)

MacKinnon, Charles, North Plymouth, assignor to Plymouth Cordage Company, Plymouth, Mass. Device for stabilizing binder twine supply to harvesting mechanism. 2,186,981; Jan. 16.

Mackintosh-Hemphill Company. (See Daniels, Fred C. T., assignor.)

MacManus, John, assignor to Cushman's Sons Inc., New York, N. Y. Procedure for the manufacture of baked goods. 2,187,354; Jan. 16.

MacManus, John, assignor to Cushman's Sons Inc., New York, N. Y. Apparatus for the manufacture of baked goods. 2,187,355; Jan. 16.

MacMillan, John L., Los Angeles, Calif. Trap cleaner and force pump. 2,187,043; Jan. 16.

MacMillin, Howard F., Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, N. C. Electric control for presses. 2,187,212; Jan. 16.

Madden, John B., San Francisco, Calif. Connector. 2,187,166; Jan. 16.

Maier, August R., assignor to Oil Well Supply Company, Dallas, Tex. Draw-works for rotary drilling apparatus. 2,187,623; Jan. 16.

Maier, George J., assignor to J. K. Smit & Sons. Inc., New York, N. Y. Diamond drill bit. 2,187,384; Jan. 16.

Malan, George L., Yuma, Ariz. Vibrator. 2,187,088; Jan. 16.

Malek, Georg, assignor to firm of "Eumig" Elektrizitäts- und Metallwaren-Industrie, Vienna, Austria. Moving picture camera. 2,187,356; Jan. 16.

Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)

Mallory, P. R., & Co. (See Hensel, F. R., and Emmert, assignors.)

Mallory, P. R., & Co. Inc. (See Hensel, Franz R., assignor.)

Mandolf, Henry I. (See Laddon, I. M., Ring, and Mandolf.)

Mangine, John E. (See Roney, E. A., and Mangine.)

Manning, Maxwell & Moore, Inc. (See Whitcomb, Preston, assignor.)

Mansell, Irving V., Bridgeport, Conn. Sign. 2,186,982; Jan. 16.

Mansfield, William R. (See Boughton, W. A., and Mansfield.)

Manthorne, William H., Bay Shore, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron apparatus. 2,187,591; Jan. 16.

Many, Benjamin J., Chicago, Ill. Repairing masonry structures. 2,187,324; Jan. 16.

Maris, James C., Glenolden, Pa. Steam distribution and control for locomotives. 2,187,571; Jan. 16.

Martin, Dana W., Stow, assignor to Norton Company, Worcester, Mass. Form truing. 2,187,690; Jan. 16.

Martin, Stoddard B., Lakewood, Ohio. Pusher. 2,187,089; Jan. 16.

Martin, Stoddard B., Lakewood, Ohio. Pusher. 2,187,090; Jan. 16.

Maruoka, Takeshi. (See Nicoll, J. S., Giles, Maruoka, Butler, and Countryman.)

Mastney, Edward J. (See Allison, K. C., and Mastney.)

Matti, Jean C., Pully, near Lausanne, Switzerland, assignor to the firm Compagnie Internationale de Procedes de Panification "Itam", Paris (Seine), France. Preserving yeast. 2,187,357; Jan. 16.

Maui Pineapple Company. (See Nicoll, J. S., Giles, Maruoka, Butler, and Countryman, assignors.)

Mayer, Maurice W. (See Cibulka, A., and Mayer.)

Mayer, Waldemar F. (See Hollander, A., and Mayer.)

Mayer, Waldemar F., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,186,983; Jan. 16.

Maynard, James, assignor to F. R. Galbreath, Los Angeles, Calif. Hydraulic press. 2,187,385; Jan. 16.

Mayor, Maurice, New York, N. Y. Detachable lift for shoe heels. 2,187,167; Jan. 16.

McAssey, Rollin O., San Diego, Calif. Therapeutic device. 2,187,168; Jan. 16.

McBath, Bartley R., Verona, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Feed-water heater. 2,187,044; Jan. 16.

McCabe, John J., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Centrifugally actuated device. 2,187,207; Jan. 16.

McCarthy, Charles M., Minneapolis, Minn. Belt handling device. 2,187,134; Jan. 16.

McClary, Harold. (See Olmsted, C. E., and McClary.)

McCloy, Graham S., East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,186,984; Jan. 16.

McCorkle, D. H., Co. (See McCorkle, Donald H., assignor.)

McCorkle, Donald H., assignor to D. H. McCorkle Co., Berkeley, Calif. Electrical control for valves. 2,176,045; Jan. 16.

McCornack, Herbert, Howey-in-The-Hills, assignor to McCornack Inventions, Inc., Howey, Fla. Centrifugal apparatus for cleaning and conditioning air. 2,187,573; Jan. 16.
McCornack Inventions, Inc. (See McCornack, Herbert, assignor.)
McCullough, Ira J. (See Tow, James O., assignor.)
McDonald, Dan, assignor to Engineering Incorporated, Los Angeles, Calif. Storage tank gauge. 2,187,210; Jan. 16.
McDonald, Dan, Manhattan Beach, Calif., assignor to Engineering Incorporated. Dehydration. 2,187,208; Jan. 16.
McDonald, Dan, assignor to Engineering Incorporated, Los Angeles, Calif. Dehydration. 2,187,209; Jan. 16.
McIntire, George W., Pottsville, Pa. Minnow net. 2,187,460; Jan. 16.
McKinley, David R., and P. J. Van Norden, Kalamazoo, Mich. Paper slitter. 2,187,211; Jan. 16.
McLain, Fremont H., Wellsville, Ohio. Clothesline hook. 2,187,325; Jan. 16.
McLean, Daniel O., assignor to Ten-O-Win Amusement Company, San Francisco, Calif. Game wheel. 2,187,046; Jan. 16.
McLennan, Amos N., Maywood, Calif. Locating and cementing off leaks in well casings. 2,187,275; Jan. 16.
McLoughlin, Joseph N. (See Dewey, V. F., and McLoughlin.)
McMurray Structural Steel Company. (See Lambert, Walter E., assignor.)
McWane, Henry E., Lynchburg, Va. Apparatus for casting articles. 2,186,938; Jan. 16.
McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,187,518; Jan. 16.
Mechanical Handling Systems, Inc. (See Bishop, Leonard J., assignor.)
Meilner, Joseph, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Compass. 2,187,519; Jan. 16.
Meinzer, Gotthold H., Glendale, assignor to California Consumers Corporation, Los Angeles, Calif. Concentrating citrus fruit juices. 2,187,572; Jan. 16.
Meisse, Louis A., assignor to The Ohio Brass Company, Mansfield, Ohio. Section insulator. 2,187,135; Jan. 16.
Mellinger, Ira F., Leetonia, Ohio. Trailer. 2,187,136; Jan. 16.
Mellor, Albert, Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial textile materials. 2,187,358; Jan. 16.
Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Apparatus for the manufacture of coated webs. 2,187,624; Jan. 16.
Mercier, Jean, Paris, France. Bumper especially applicable to railway vehicles. 2,187,625; Jan. 16.
Mergenthaler Linotype Company. (See Connor, Henry H., assignor.)
Merriman Brothers, Incorporated. (See Merriman, Edward B., assignor.)
Merriman, Edward B., Cambridge, assignor to Merriman Brothers, Incorporated, Boston, Mass. Self-lubricating bearing. 2,187,626; Jan. 16.
Metal Office Furniture Company. (See Bullock, Earl C., assignor.)
Metallic Pad Corporation. (See Crockford, Joseph R., assignor.)
Meyer, Wilhelm A. R., assignor to Thabur, Industrieele en Technische Handelmaatschappij N. V., The Hague, Netherlands. Device for use in connecting wire ends. 2,186,963; Jan. 16.
Middleton, Leslie H., Toledo, Ohio. Dashboard fuse mounting. 2,187,427; Jan. 16.
Midgley, Walter. (See Woodeson, W. A., and Midgley.)
Mier, Everett L., Chicago, and B. C. Wilcox, Dundee, assignors to National Road Joint Manufacturing Company, Chicago, Ill. Load transmission device. 2,187,428; Jan. 16.
Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Millburn, N. J. Method and apparatus for the production of music. 2,187,611; Jan. 16.
Miessner, Benjamin F., Millburn, assignor to Miessner Inventions, Inc., Township of Millburn, County of Essex, N. J. Method and apparatus for the production of music. 2,187,612; Jan. 16.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miles, Gilbert D. (See Bell, A. C., Miles, and Russell.)
Miller, Milo F., Kansas City, Mo. Holder for liquid insecticides. 2,187,276; Jan. 16.
Miller, Theodore H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Support for neck bearings of centrifugal separators. 2,187,359; Jan. 16.
Milliken, Humphreys, Montreal, Quebec, Canada. Electric power cable. 2,187,213; Jan. 16.
Mills, Herbert E., Detroit, Mich., assignor to Borg-Warner Corporation. Stove. 2,187,169; Jan. 16.
Mills, Victor, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Sulphonation. 2,187,244; Jan. 16.
Minard, David P., Chicago, Ill. Car refrigeration. 2,187,277; Jan. 16.
Miner, Keith H., Huntington Park, assignor to Lane-Wells Company, Los Angeles, Calif. Sampling well fluid. 2,187,047; Jan. 16.
Miner, W. H., Inc. (See Johnson, George A., assignor.)
Mineral Cutting Machine Company. (See Cadwallader, Edgar M., assignor.)
Mitchell, William, Milwaukee, Wis. Stoker. 2,187,520; Jan. 16.
Mitchell, William C., Stratford, Conn. Slug detector. 2,186,985; Jan. 16.
Monarch Governor Company. (See Jennings, Jarvis S., Jr., assignor.)
Monsanto Chemical Company. (See Gardner, H. A., and Kirkpatrick, assignors.)
Montsanto Chemical Company. (See Ingram, Joseph R., assignor.)
Montesi, Fred. (See Garner, L. O., and Montesi.)
Moreau, Leo A., North Adams, Mass. Motor vehicle jack. 2,187,533; Jan. 16.
Morgan Construction Company. (See Morgan, Myles, assignor.)
Morgan, Edward K., et al. (See Shackelford, George A., assignor.)
Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Shearing mechanism. 2,187,091; Jan. 16.
Morrell, Jacque C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,187,048; Jan. 16.
Morris, Thomas C. (See Teppema, J., and Morris.)
Mosier Ignition Corporation. (See Kasarjian, Armen A., assignor.)
Motor Castings Company. (See Kulka, Frank M., assignor.)
Motor Wheel Corporation. (See Horn, H. J., and Hunt, assignors.)
Mott, Louis F., Big Spring, Tex. Cow sucking preventer. 2,187,461; Jan. 16.
Moundsdon, Russell L., Alexandria, Minn. Weather strip. 2,187,476; Jan. 16.
Mulholland, David E., Reading, Pa. Polishing machine. 2,187,462; Jan. 16.
Mulholland, David E., Reading, Pa. Polishing machine. 2,187,463; Jan. 16.
Mullett, Howard A., assignor to Bradley Washfountain Company, Milwaukee, Wis. Foot controlled washfountain. 2,187,521; Jan. 16.
Murphy, Louis G., Newark, N. J. Combination dispensing container valve. 2,187,049; Jan. 16.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murray, Clay E., near Davenport, assignor to Linograph Corporation, Davenport, Iowa. Typographical machine. 2,187,278; Jan. 16.
Muszynski, Vincent J., Buffalo, N. Y. Button sewing attachment. 2,187,137; Jan. 16.
Myer, Percy L., Ozone Park, N. Y., and E. R. Wheeler, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system and apparatus. 2,187,360; Jan. 16.
N. V. Philips' Gloeilampenfabrieken. (See Bergmans, Jan, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Kann, Eduard, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Zernike, Johannes, assignor.)
Nash, J. M., Company. (See Lippold, Carl J., assignor.)
National Acme Company, The. See Drissner, Alfred E., assignor.)
National Automotive Fibres, Inc. (See Faris, H. P., Yochum, and Logan, assignors.)
National Cash Register Company, The. (See Green, Charles W., assignor.)
National Electric Products Corporation. (See Clayton, Martin M., assignor.)
National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)
National Pneumatic Company. (See Parvin, Edward G., assignor.)
National Road Joint Manufacturing Company. (See Mier, E. L., and Wilcox, assignors.)
National Supply Company, The. See Picard, John B., assignor.)
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Internal combustion engine drive for compressors. 2,187,712; Jan. 16.
Nelson, Alexander W., Belleville, N. J. Sheet feeding machine. 2,186,986; Jan. 16.
Nerney, Lester W., Attleboro, Mass. Condiment sprinkler. 2,187,245; Jan. 16.
Nerwin, Hubert, Dresden-Reick, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,187,246; Jan. 16.
Nesset, Maurice M., assignor to Baxter Laboratories, Inc., Glenview, Ill. Filter flow device. 2,186,987; Jan. 16.
New England Mica Company. (See Boughton, W. A., and Mansfield, assignors.)
Newey, William H., Hingham, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Closure applying machine. 2,187,429; Jan. 16.
Newhouse, Frank F., Glendale, Calif. Garment hanger. 2,187,691; Jan. 16.
Newman, William J., Chicago, Ill. Apparatus for drilling wells. 2,187,092; Jan. 16.

Niagara Duplicator Company. (See Nigra, Ferdinand, assignor.)
Nichols Engineering & Research Corporation. (See Hartley, H. J., and Baird, assignors.)
Nichols, John T., Pittsburgh, assignor, by mesne assignments, to The Brown Instrument Company, Philadelphia, Pa. Controller. 2,187,613; Jan. 16.
Nichols, Russell H., Rochester, Minn. Crankcase drain valve. 2,187,247; Jan. 16.
Nicoll, James S., and A. O. Giles, Kahului, T. Maruoka, Wailuku, B. J. Butler, Paia, and C. M. Countryman, Kahului, assignors to Maui Pineapple Company, Ltd., Paia, Hawaii. Fruit cutting machine. 2,187,326. Jan. 16.
Niconoff, Dimitry. (See Sullivan, J. D., and Niconoff.)
Nigra, Ferdinand, assignor to Niagara Duplicator Company, San Francisco, Calif. Inking device for a rotary duplicator. 2,186,939; Jan. 16.
Nigra, Ferdinand, assignor to Niagara Duplicator Company, San Francisco, Calif. Tracing apparatus. 2,187,574; Jan. 16.
Nilson, Leonard D., Wayzata, Minn. Jack structure. 2,187,279; Jan. 16.
Noack, Walter G., assignor Aktiengesellschaft to Brown, Boveri & Cie, Baden, Switzerland. Combustion, heat-transfer, and gas purification plant. 2,187,627; Jan. 16.
Noble, F. H., & Co. (See Shields, John M., Jr., assignor.)
Nordberg Manufacturing Company. (See Larson, Victor F., assignor.)
North American Holding Corporation. (See Johnston, James W., assignor.)
Norton Company. (See Martin, Dana W., assignor.)
Novak, George A., and G. Williams, Greenwich, Conn. Order indicator. 2,187,327; Jan. 16.
Oak Manufacturing Company. (See Allison, K. C., and Mastney, assignors.)
O'Connell, James R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Feed chuck. 2,187,170; Jan. 16.
Oeckl, Ludwig, Dessau, Germany. Automatic nail driving hammer operated by means of compressed air. 2,187,692; Jan. 16.
Oestreicher, George J., Cleveland, Ohio. Stop valve. 2,187,477; Jan. 16.
Ogden, J. Edward, Company. (See Prescott, Arthur T., assignor.)
Ohio Brass Company, The. See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Meisse, Louis A., assignor.)
Oil Devices. (See Breese, James L., assignor.)
Oil Well Supply Company. (See Maier, August R., assignor.)
Oil Well Supply Company. (See Shimer, John M., assignor.)
Okabe, Kinjiro, Ashiya, Japan, assignor to Radio Corporation of America, New York, N. Y. Vacuum tube. 2,187,172; Jan. 16.
Okabe, Kinjiro, Geidomura, Mukogun, Japan, assignor to Radio Corporation of America, New York, N. Y. Vacuum tube for microwaves or ultra-short waves. 2,187,171; Jan. 16.
Olmsted, Clifton E., and H. McClary, Tacoma, Wash. Rubber glove. 2,187,430; Jan. 16.
Olsen, Fredrich. (See Goff, L. E., Sheldon, Herzog, and Olsen.)
Olson, Bert A., Maywood, Ill. Beam. 2,187,280; Jan. 16.
Olson, Helen K. (See Huff, E. D. L., and Olson.)
Orem, Frederick S., Baltimore, Md. Air cleaning device. 2,187,546; Jan. 16.
Ormsby, Donald D., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Axle construction. 2,187,614; Jan. 16.
Osborne, Charles E., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating system for motor driven conveyances. 2,186,988; Jan. 16.
Ostling, Karl W. S., assignor to California Machinery & Supply Co., Ltd., Los Angeles, Calif. Engine control. 2,186,989; Jan. 16.
Oswego Falls Corporation. (See Wilcox, Isaac L., assignor.)
Otis Elevator Company. (See Wieder, Leon, assignor.)
Oxweld Acetylene Company. (See Young, Lloyd W., assignor.)
Pacific Machinery Company. (See Thompson, A. R., and Fox, assignors.)
Packless Metal Products Corporation. (See Guarnaschelli, Stephen, assignor.)
Pagliaroni, John V., Clawson, assignor of one-third to M. A. Hund, Grosse Pointe Park, Mich., and one-third to H. R. Roberts, Westchester, Ill. Automobile heater. 2,187,281; Jan. 16.
Pagliarul, Joseph N., Milwaukee, Wis. Wire stitching machine. 2,187,522; Jan. 16.
Palmer, Howard, Kennett Square, Pa. Antenna construction. 2,186,934; Jan. 16.
Palos, Sam, Argo, Ill. Electrocuting trap. 2,187,400; Jan. 16.
Palsson, Magnus P., Seattle, Wash. Safety block. 2,187,361; Jan. 16.
Paper Patents Company. (See Craig, Kenneth A., assignor.)
Papiri, Rudolph. (See Boezi, J., and Papiri.)
Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Door control system. 2,187,173; Jan. 16.
Patent-Treuhand-Gesellschaft für Elektrische Gluhlampen m. b. H. (See Pink, Johannes, assignor.)
Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing titanium pigments. 2,187,050; Jan. 16.
Paul, Frank L., New York, N. Y. Keyboard. 2,187,592; Jan. 16.
Pawsey, Joseph L. (See Cork, E. C., and Pawsey.)
Peacock, Charles T., Lincoln County, Colo. Damming attachment for lister seeders. 2,187,051; Jan. 16.
Pelikan, John M., Crafton, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical regulating apparatus. 2,187,523; Jan. 16.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Penn Electric Switch Co. (See Wood, Wilbur W., assignor.)
People of the United States of America, Dedicated to the free use of the. (See Leatherman, Martin.)
People of the United States of America, Dedicated to the free use of the. (See Whittier, E. O., and Gould, assignors.)
Persson, Eric S., Malmo, Sweden. Hinge. 2,187,464; Jan. 16.
Peterson, Charles W., Cincinnati, Ohio. Camera. 2,187,093; Jan. 16.
Picard, John B., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Band wheel construction. 2,187,693; Jan. 16.
Pieri, Pompeo, New York, N. Y. Double window construction for automobiles. 2,186,990; Jan. 16.
Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Controller for gas flow. 2,187,662; Jan. 16.
Pikul, Joseph H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 2,187,248; Jan. 16.
Pines, Herman. (See Ipatieff, V., and Pines.)
Pink, Johannes, Weisswasser in Lausitz, assignor to Patent-Treuhand-Gesellschaft für Elektrische Gluhlampen m. b. H., Berlin, Germany. Apparatus for spinning and winding glass filaments. 2,187,094; Jan. 16.
Piper, George S., London, England. Apparatus for moving sliding partitions, windows, and the like. 2,187,095; Jan. 16.
Plissner, Charlotte B., Baltimore, Md. Visible mechanism for slot machines. 2,187,362; Jan. 16.
Plymouth Cordage Company. (See MacKinnon, Charles, assignor.)
Pneumatic Scale Corporation. (See Newey, William H., assignor.)
Pollock, Gordon B., Los Angeles, Calif. Roll film magazine container for photographic cameras. 2,187,547; Jan. 16.
Pomeroy, Edward S., assignor to Smith and Wesson, Inc., Springfield, Mass. Adjustable sight for firearms. 2,187,096; Jan. 16.
Pomeroy, Eugene C., et al. (See Franklin, Robert M., assignor.)
Pope, Francis, Glendale, Calif. Radio beacon system. 2,187,097; Jan. 16.
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Collapsible shaft. 2,187,138; Jan. 16.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Potter, Frank M., Rome, assignor to General Cable Corporation, New York, N. Y. Insulated electrical conductor. 2,187,401; Jan. 16.
Powdrell & Alexander, Inc. (See Carragher, Hugh J., assignor.)
Powell, Herbert S., Utica, N. Y. Assembling mufflers. 2,187,431; Jan. 16.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone call distributing system. 2,187,174; Jan. 16.
Powers, Milton A., Detroit, Mich. Process and apparatus for the manufacture of insulating material. 2,187,432; Jan. 16.
Poynter, Emery C., Kansas City, Mo. Dust receptacle for vacuum cleaners. 2,187,052; Jan. 16.
Pratt, Malcolm F., Elmhurst, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Metal-finished candle. 2,187,053; Jan. 16.
Pratt, Rodney F., Grahamsville, assignor of one-half to M. Dittenheimer, Ellenville, N. Y. Feedback circuit and radio receiver. 2,187,402; Jan. 16.
Prescott, Arthur T., assignor to J. Edward Ogden Company, East Orange, N. J. Turn-over door. 2,187,363; Jan. 16.
Price, Walter R., Minneapolis, Minn. Game device. 2,187,524; Jan. 16.
Process Management Company. (See Atwell, Harold V., assignor.)
Procter & Gamble Company, The. (See Mills, Victor, assignor.)
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Prosperi, Milton H., Washington, D. C. Cast removal channel. 2,187,175; Jan. 16.

Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Forming an easy opening container. 2,187,433; Jan. 16.
Quadrex Corporation. (See Leathers, Ward, assignor.)
Raak, Hermann. (See Chalt, J. I., and Raak.)
Radio Corporation of America. (See Okabe, Kinjiro, assignor.)
Radio Corporation of America. (See Vogel, Charles P., assignor.)
Ragan, Thomas M. (See Baker, R. C., and Ragan.)
Ratié, Paulin J. P. (See Ratié, Pierre P., assignor.)
Ratié, Pierre P., Montrouge, assignor, by mesne assignments, to P. J. P. Ratié, Montrouge (Seine), France. Variable pitch airscrew. 2,187,364; Jan. 16.
Rauchholz, Heinrich. (See Thofehrn, G., and Rauchholz.)
Raybestos-Manhattan, Inc. (See Kuzmick, Paul L., assignor.)
Reader, Adolph. (See Frank, Louis, assignor.)
Redfield, John H., Denver, Colo. Telescope mounting for guns. 2,187,054; Jan. 16.
Reece Button Hole Machine Company, The. (See Grip, Carl A. O., assignor.)
Reece Button Hole Machine Company, The. (See Pikul, Joseph H., assignor.)
Regnier, Romeo F., West Roxbury, Mass. Oil burner. 2,187,055; Jan. 16.
Reiber, Albert H., assignor to Teletype Corporation, Chicago, Ill. Multiple copy form packet. 2,187,056; Jan. 16.
Reichert, Hans, Berlin, Germany. Signaling and alarm device. 2,187,628; Jan. 16.
Reichold Chemicals, Inc., formerly Beck, Koller & Company. (See Hodgins, T. S., and Hovey, assignors.)
Reilly, Thomas J., Houston, Tex. Massage implement. 2,187,560; Jan. 16.
Reinhard, John B., and L. J. Koch, Allentown, Pa.; said Reinhard assignor to said Koch. Draft check and control. 2,186,991; Jan. 16.
Reinhard, John B., and L. J. Koch, Allentown, Pa.; said Reinhard assignor to said Koch. Propeller connection and control. 2,186,992; Jan. 16.
Reinhard, John B., and L. J. Koch, Allentown, Pa.; said Reinhard assignor to said Koch. Landing gear and control. 2,186,993; Jan. 16.
Reiter, Rutherford G., and O. P. Frilseth, St. Paul, Minn. Shoe holder. 2,187,663; Jan. 16.
Reliance Elevator Manufacturing Company. (See Anderson, John C. A., and A. C. G., assignors.)
Resinous Products & Chemical Company, The. (See Bruson, Herman A., assignor.)
Resinous Products & Chemical Company, The. (See Bruson, H. A., and Eastes, assignors.)
Rhoades, Alfred L. (See Rhoades, Lester D. and A. L.)
Rhoades, Lester D. and A. L., Englewood, Colo. Skate protector. 2,187,629; Jan. 16.
Rhodes, Herbert C., Portland, Oreg. Dough molding machine. 2,187,214; Jan. 16.
Rice, Allen E. (See Stone, A. L., Rice, and Appleton.)
Richford, Maurice A. (See Beckman, P. E., and Richford.)
Richter, Wolfgang, Halle-on-the-Saale, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Parasecondary alkylaminobenzaldehydes and making them. 2,187,328; Jan. 16.
Ring, William A. (See Laddon, I. M., Ring, and Mandolf.)
Roberts, Arthur, Bolton, England, assignor to General Fire Extinguisher Company, Providence, R. I. Frangible bulb for automatic sprinklers and the like. 2,187,098; Jan. 16.
Roberts, Howard R., et al. (See Pagliaroni, John V., assignor.)
Rodemeyer, Harry, Detroit, Mich. Hinge construction. 2,187,099; Jan. 16.
Rogus, John L., Hazleton, Pa. Mechanical rosary. 2,187,664; Jan. 16.
Röhm & Haas Company. (See Ludwig, Oskar R., assignor.)
Rohr, Henry C. (See Hutchins, W. H., and Rohr.)
Roney, Edward A., and J. E. Mangine, Oakland, Calif. Building tile construction. 2,187,329; Jan. 16.
Rose, Howard, Company. (See Kaloft, Sigurd, assignor.)
Rosenburg, Sidney. (See Tamminga, William, assignor.)
Rouse, Arthur E., assignor, by mesne assignments, to Food Display Cover Company, Inc., Indianapolis, Ind. Making a food display cover. 2,186,994; Jan. 16.
Rowe, William L., New Rochelle, assignor to Johns-Manville Corporation, New York, N. Y. Interlocking roofing unit. 2,187,139; Jan. 16.
Rubatex Products, Inc. (See Cooper, Lester S., assignor.)
Rubin, Joseph, Philadelphia, Pa. Clothes hamper. 2,187,403; Jan. 16.
Rudd, Claus K. A., Everett, Wash. Chip packer and spreader for pulp mills. 2,187,330; Jan. 16.
Ruhl, Karl, Unna-Königsborn, Germany. Automatic control for switching cars on and off mine cages. 2,187,100; Jan. 16.
Ruhrchemie Aktiengesellschaft. (See Geiser, N., and Goethel, assignors.)
Russell, Kenneth L. (See Bell, A. C., Miles, and Russell.)
Rutten, Peter, Plainfield, Ill. Metal siding for silos. 2,187,282; Jan. 16.
Saffert, Paul. (See Esselmann, P., Kösslinger, and Saffert.)
Samcoe Holding Corporation. (See Cohn, S., and Walter, assignors.)
Sampson, Erick G., Jamestown, N. Y. Window frame and storm sash. 2,187,561; Jan. 16.
Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Finder device. 2,187,057; Jan. 16.
Scates, Homer H., Kirkland, Tex. Head gate or the like. 2,187,665; Jan. 16.
Schafer, Charles J., Baltimore, Md. Alloy. 2,187,630; Jan. 16.
Schafmeister, Paul, and E. Houdremont, Essen, Germany, assignors, by mesne assignments, to Krupp Nirosta Company, Inc., New York, N. Y. Article of welded construction. 2,187,525; Jan. 16.
Schatz, Frederick M., assignor of one-seventh to H. Strube, Detroit, one-seventh to H. Strube, one-seventh to W. Strube, one-seventh to C. Strube, one-seventh to S. Griffin, and one-seventh to W. A. Sirr, Ferndale, Mich. Front axle and wheel spindle. 2,187,249; Jan. 16.
Scheer, Richard H. (See Herb, L. B., and Scheer.)
Schering Aktiengesellschaft. (See Junkmann, K., and Allardt, assignors.)
Scheutz, Joseph A., Hazel Park, Mich. Elevator apparatus. 2,187,283; Jan. 16.
Schimmel & Co., A. G. (See Schulz, Leo, assignor.)
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Palo Alto, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,187,058; Jan. 16.
Schmidt, Johannes. (See Gosslau, F., and Schmidt.)
Schmitt, George P., New York, N. Y., assignor, by mesne assignments, to Cardinal Products, Inc. Catalytic material for lighters. 2,186,995; Jan. 16.
Schneider, George, Montclair, N. J., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials. 2,187,365; Jan. 16.
Schneider, Newton H., Salinas, Calif. Grader. 2,187,101; Jan. 16.
Schor, Joseph, San Francisco, and J. R. Skoverski, Oakland, Calif.; said Skoverski assignor to said Schor. Clamp. 2,187,059; Jan. 16.
Schreiber-Gastell, Richard. (See Formhals, Anton, assignor.)
Schröder, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna winch for aircraft. 2,187,575; Jan. 16.
Schuhmann, Richard L., assignor to American Duplex Company, Louisville, Ky. Grinding [illegible]. 2,187,102; Jan. 16.
Schultz, Vinton W., assignor of one-half to E. H. Anderson, Chicago, Ill. Automotive signal. 2,187,060; Jan. 16.
Schulz, Leo, assignor to Schimmel & Co. A. G., Miltitz, near Leipzig, Germany. Manufacture of vanillin. 2,187,366; Jan. 16.
Schulz, Reinhold E. C., Berlin-Spandau, and H. R. Berndt, assignors to Auto Union Aktiengesellschaft, Chemnitz, Germany. Door. 2,187,331; Jan. 16.
Schumann, William H., assignor to Fly Fish Kit Company, Kent, Ohio. Artificial fish bait. 2,187,666; Jan. 16.
Schutt, Hermann C., Tarrytown, assignor, by mesne assignments, to American Locomotive Company, New York, N. Y. Refining hydrocarbons. 2,187,631; Jan. 16.
Schutz, Raymond F., Buffalo, N. Y. Spectacle case. 2,187,176; Jan. 16.
Schutz, Raymond F., Buffalo, N. Y. Spectacle case. 2,187,177; Jan. 16.
Schutz, Raymond F., Buffalo, N. Y. Spectacle case. 2,187,178; Jan. 16.
Schweitzer, Edmund O., Jr., Northbrook, Ill. Electric motor construction. 2,187,179; Jan. 16.
Schweitzer, Edmund O., Jr., Northbrook, Ill. Electric motor construction. 2,187,180; Jan. 16.
Schweller, Edmund F. (See Trigg, C. S., and Schweller.)
Sendzimir, Tadeusz, Paris, France, assignor to The American Rolling Mill Company, Middletown, Ohio. Compensating for roll deflection. 2,187,250; Jan. 16.
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Severy, Victor H., Glendale, Calif. Electrical musical instrument. 2,187,251; Jan. 16.
Shackelford, George A., assignor of one-third to E. K. Morgan, and one-fourth to D. J. Egan, New York, N. Y. Speed pulley generator. 2,187,181; Jan. 16.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,187,182; Jan. 16.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,187,434; Jan. 16.
Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Pressure fluid operated tool. 2,187,502; Jan. 16.
Sharp & Dohme, Incorporated. (See Cope, Arthur C., assignor.)
Sharp & Dohme, Incorporated. (See Hartung, W. H., and Crossley, assignors.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Stack switch construction. 2,187,284; Jan. 16.
Sheldon, Lyle M. (See Goff, L. E., Sheldon, Herzog, and Olsen.)

Shell Development Company. (See de Simó, Martin, assignor.)
Sheridan, Harold M., New Boston, Ohio, assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Lock seamed spud. 2,187,503; Jan. 16.
Shields, John M., Jr., assignor to F. H. Noble & Co., Chicago, Ill. Ornamental box. 2,187,183; Jan. 16.
Shimer, John M.; assignor to Oil Well Supply Company, Dallas, Tex. Portable boiler. 2,187,632; Jan. 16.
Short, Walter C., Fort Hamilton, N. Y., and R. G. Howie and M. C. Wiley, Fort Benning, Ga. Wheel structure. 2,186,996; Jan. 16.
Siebert, Karl, Berlin-Grunewald, assignor to Siemens and Halske Aktiengesellschaft, Berlin, Siemensstadt, Germany. Electron multiplier. 2,187,184; Jan. 16.
Siemens Apparate und Maschinen (Gesellschaft mit beschrankter Haftung). (See Gosslau, F., and Schmidt.)
Siemens & Halske Aktiengesellschaft. (See Langer, M., and Zapf, assignors.)
Siemens and Halske Aktiengesellschaft. (See Siebertz, Karl, assignor.)
Siemens & Halske Aktiengesellschaft. (See Wüstenberg, Herbert, assignor.)
Siemens & Halske Aktiengesellschaft of Wernerwerk. (See Wochinger, Eduard, assignor.)
Simonick, Virgil F., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,187,465; Jan. 16.
Simons, Walter R., Los Angeles, and R. G. Blessing, Alhambra, Calif. Roofing structure and tile therefor. 2,187,404; Jan. 16.
Sims, Yelmer V. (See Starzec, S. S., and Sims.)
Sinclair, Harold. (See Klep, J. N., and Sinclair.)
Sinclair, Harold, Kensington, London, and A. C. Basebe, Banstead, assignors to Hydraulic Coupling Patents Limited, London, England. Hydraulic power transmitter. 2,187,667; Jan. 16.
Sinz, Lawrence P., Los Angeles, Calif., assignor to Crown Cork & Seal Company, Inc. Filling machine and method of filling containers. 2,187,332; Jan. 16.
Sirr, William A., et al. (See Schatz, Frederick M., assignor.)
Skinner Motors, Inc. (See Skinner, Ralph L., assignor.)
Skinner, Ralph L., assignor to Skinner Motors, Inc., Detroit, Mich. Lubrication of slide-valve internal combustion engines. 2,187,285; Jan. 16.
Skoverski, John R. (See Schor, J., and Skoverski.)
Slagh, Harold R., assignor to The Dow Chemical Company, Midland, Mich. Geranyl crotonate. 2,187,694; Jan. 16.
Smethers, James A., Odessa, Tex. Drill stem drive. 2,187,405; Jan. 16.
Smiley, John B. (See Foster, Robert B., assignor.)
Smit, J. K., & Sons, Inc. (See Maier, George J., assignor.)
Smith, Allyn M., Taborton, N. Y. Boat ladder. 2,187,633; Jan. 16.
Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Method and apparatus for orienting drill stems. 2,187,367; Jan. 16.
Smith, Lloyd L., Minneapolis, Minn. Apparatus for making plastic forms. 2,187,562; Jan. 16.
Smith, Lloyd L., Minneapolis, Minn. Waterproof, quick-setting adhesive Portland cement and making same. 2,187,668; Jan. 16.
Smith, Nelson J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,187,061; Jan. 16.
Smith, Ralph R., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Vibratory electromagnetic motor. 2,187,576; Jan. 16.
Smith, Stephen A., Scranton, Pa. Adjustable gunstock. 2,187,548; Jan. 16.
Smith and Wesson, Inc. (See Pomeroy, Edward S., assignor.)
Société Bronzavia. (See Kitroser, Isaac, assignor.)
Society of Chemical Industry in Basle. (See Graenacher, Charles, assignor.)
Society of Chemical Industry in Basle. (See Kern, W., and Tobler, assignors.)
Socony-Vacuum Oil Company. (See Pratt, Malcolm F., assignor.)
Söderlind, Nils A. G., Stockholm, Sweden. Envelope opener. 2,187,634; Jan. 16.
Söll, Julius, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Plastic material. 2,187,185; Jan. 16.
Southern Steel Stampings, Incorporated. (See Yow, William P., assignor.)
Spathelf, David E., University City, Mo. Shoe. 2,187,103; Jan. 16.
Sperry-Sun Well Surveying Company. (See Smith, George A., assignor.)
Spinello, Matt, assignor of one-half to L. J. Wood, Rockford, Ill. Electrical insulation cutter. 2,187,216; Jan. 16.
Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Selective travel draft gear. 2,187,333; Jan. 16.
Square D Company. (See Jackson, J. G., and Allen, assignors.)
Stamps, George F., Los Angeles, Calif. Well packer. 2,187,635; Jan. 16.
Standard Oil Development Company. (See Cibulka, A., and Mayer, assignors.)
Standard Products Company, The. (See Husted, Harry A., assignor.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Standard Railway Equipment Manufacturing Company. (See West, Victor E., assignor.)
Stanolind Pipe Line Company. (See Hill, Arthur M., assignor.)
Staples, Crawford E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Time measuring apparatus. 2,187,406; Jan. 16.
Stark, Louis, Brooklyn, assignor to Kastar, Incorporated, New York, N. Y. File and attachment therefor. 2,186,997; Jan. 16.
Starkweather, Howard Warner. (See Calcott, W. S., and Starkweather.)
Starzec, Stefan S., Starzec, and Y. V. Sims, Ladysmith, Wis. Strainer. 2,187,435; Jan. 16.
Steele, Edwin G. (See Sutton, H. M., and Steele.)
Stein, Rose, Los Angeles, Calif. Kitchen sink. 2,186,998; Jan. 16.
Sterling Products Company. (See Kehle, Ottmar A., assignor.)
Stewart, Daniel W., assignor to Canadian Refractories Limited, Montreal, Quebec, Canada. Furnace roof construction. 2,187,669; Jan. 16.
Stewart Warner Corporation. (See Kropp, Willis A., assignor.)
Stewart-Warner Corporation. (See Osborne, Charles E., assignor.)
Stickdorn, Kurt, Rosslau, Anhalt, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Condensation products of higher fatty acid compounds with boric acid. 2,187,334; Jan. 16.
Stockfleth, Sigurd J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,187,577; Jan. 16.
Stoesser, Sylvia M., assignor to The Dow Chemical Company, Midland, Mich. Polystyrol composition. 2,187,695; Jan. 16.
Stone, Albert L., and A. E. Rice, Palos Verdes Estates, and J. H. Appleton, assignors to Hydril Company, Los Angeles, Calif. Oil field power plant. 2,186,999; Jan. 16.
Stone, Frank J., Arlington, Mass. Amusement device. 2,187,407; Jan. 16.
Storm, Avada, et al. (See Chapman, Clifford M., assignor.)
Story, Elmer J., East Cleveland, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Wear compensating device. 2,187,636; Jan. 16.
Stowers, Allen. (See Lemmon, W. G., and Stowers.)
Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Apparatus for treating hydrocarbon oils. 2,187,468; Jan. 16.
Stratford Development Corporation. (See Stratford, Charles W., assignor.)
Strocco, Gene, and P. Gusmarino, New York, N. Y. Spool bracket. 2,187,386; Jan. 16.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Strube, Charles, et al. (See Schatz, Frederick M., assignor.)
Strube, Herbert, et al. (See Schatz, Frederick M., assignor.)
Strube, Herman, et al. (See Schatz, Frederick M., assignor.)
Strube, William, et al. (See Schatz, Frederick M., assignor.)
Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Cevitamate solution. 2,187,467; Jan. 16.
Stuck, Harold D., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Fused Jordan lining and process of making. 2,187,504; Jan. 16.
Suddarth, Lloyd J., Wichita, Kans. Applicator. 2,187,670; Jan. 16,
Suddarth, Lloyd J., Wichita, Kans. Applicating device. 2,187,671; Jan. 16.
Sullivan, John D., and D. Niconoff, assignors to Battelle Memorial Institute, Columbus, Ohio. Treating molybdenum ores and products resulting therefrom. 2,187,468; Jan. 16.
Sullivan, Ray H. (See Ingersoll, R. C., and Sullivan.)
Sullivan, Richard L., assignor to American Can Company, New York, N. Y. Container. 2,186,940; Jan. 16.
Sulzer Freres, Societe Anonyme. (See Tobler, Werner, assignor.)
Super-Seal Vacuum Glass Container Corporation. (See Glocker, Gustave, assignor.)
Superior Sleeprite Corporation. (See Bowersox, Joseph W., assignor.)
Sutton, Henry M., and E. G. Steele, Dallas, Tex. Apparatus for the electrostatic separation of particles having different electrical susceptibilities. 2,187,637; Jan. 16.
Sweeper-Vac Company, The. (See Baxter, William L., assignor.)
Swortwood, Harry T. (See Larson, W. A., and Swortwood.)
Sykes, William E., Buffalo, N. Y. Gear grinding machine. 2,187,062; Jan. 16.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Tamminga, William, assignor to S. Rosenburg, New York, N. Y. Dish mop. 2,187,686; Jan. 16.

Tea, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Making a weather strip. 2,187,505; Jan. 16.

Telefonbau und Normalzeit G. m. b. H. (See Komusin, Erich, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, W., and von Baeyer, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gerhard, Ernst, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, Albrecht, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröder, Heinrich, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wilhelm, K., and Kettel, assignors.)

Teletype Corporation. (See Forsman, Fred, assignor.)

Teletype Corporation. (See Reiber, Albert H., assignor.)

Ten-O-Win Amusement Company. (See McLean, Daniel O., assignor.)

Teppema, Jan, Cambridge, and T. C. Morris, Belmont, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heating apparatus for shoe parts. 2,186,941; Jan. 16.

Thabur, Industrieele en Technische Handelmaatschappij N. V. (See Meyer, Wilhelm A. R., assignor.)

Thofehrn, Georg, and H. Rauchholz, Berlin, Germany. Portable structure. 2,187,436; Jan. 16.

Thomas, Raymond E., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture. 2,187,563; Jan. 16.

Thompson, Albert R., Los Gatos, and R. Fox, San Jose, assignors to Pacific Machinery Company, San Francisco, Calif. Depth gauging peach pitter. 2,187,063; Jan. 16.

Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)

Thompson, Martin Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Fluid operated motor reversing mechanism. 2,187,549; Jan. 16.

Thomson, Judson L., Manufacturing Company. (See Havener, Arthur R., assignor.)

Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Frost shield. 2,187,000; Jan. 16.

Thorp, Vaughn P., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,187,104; Jan. 16.

Thumm, Carl F., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Fitting room construction. 2,187,408; Jan. 16.

Thys, Edouard, assignor to E. Clemens Horst Company, San Francisco, Calif. Hop picking machine. 2,187,526; Jan. 16.

Tide Water Associated Oil Company. (See Lewis, Arthur W., assignor.)

Tillman, Lambert J., assignor to Unitcast Corporation, Toledo, Ohio. Ladder. 2,187,286; Jan. 16.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens and making the same. 2,187,105; Jan. 16.

Tobler, Richard. (See Kern, W., and Tobler.)

Tobler, Werner, Winterthur-Wulflingen, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Internal combustion engine construction. 2,187,287; Jan. 16.

Todrys, Otto, assignor to France Sporting Inc., New York, N. Y. Change speed gear for bicycles. 2,187,368; Jan. 16.

Tompkins Bros. Co. (See Logan, George L., assignor.)

Tonn, Christ, assignor to H. V. Keller, Minneapolis, Minn. Ironing table. 2,187,593; Jan. 16.

Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate registering and trimming machine. 2,187,106; Jan. 16.

Torrance, Murray P., Lakewood, Ohio. Coin controlled doorbell device. 2,187,578; Jan. 16.

Tow, James O., South Pasadena, assignor to I. J. McCullough, Los Angeles, Calif. Pipe perforating machine. 2,187,550; Jan. 16.

Trigg, Chester S., and E. F. Schweller, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,187,387; Jan. 16.

Troshinsky, Leon H. (See Foy, Bernard J., assignor.)

Tyler, Benjamin H., Portland, Oreg. Tobacco pipe. 2,187,288; Jan. 16.

Uehling, Fritz F., Passaic, N. J. Automatic speed regulator. 2,187,369; Jan. 16.

Union Carbide and Carbon Corporation. (See Kehl, Robert J., assignor.)

Union Carbide and Carbon Corporation. (See Smith, Ralph R., assignor.)

Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)

Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)

Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)

Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)

Union Switch & Signal Company, The. (See Wells, Wesley B., assignor.)

Unitcast Corporation. (See Tillman, Lambert J., assignor.)

United-Carr Fastener Corporation. (See Appel, Harry C., assignor.)

United-Carr Fastener Corporation. (See Johnson, Russell W., assignor.)

United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)

United Shoe Machinery Corporation. (See Baroni, Sante, and P., assignors.)

United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)

United Shoe Machinery Corporation. (See Hazelton, George, assignor.)

United Shoe Machinery Corporation. (See La Chapelle, Euclid I., assignor.)

United Shoe Machinery Corporation. (See Teppema, J., and Morris, assignors.)

United Specialties Company. (See Butler, Robert W., assignor.)

Universal Oil Products Company. (See Ipatieff, V., and Pines, assignors.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

Urschel, William E., Valparaiso, Ind. Dicing machine. 2,187,252; Jan. 16.

Utility Electric Corporation. (See Koerner, Walter E., assignor.)

Utterback, Andrew B., Kenosha, Wis. Grinding machine. 2,187,289; Jan. 16.

Uttz, William A., Sr., assignor to H. L. Collins, Sr., Fort Worth, Tex. Animal trap. 2,187,001; Jan. 16.

Van Daam, Gerrit, Buffalo, N. Y. Heating system for airplanes. 2,187,506; Jan. 16.

Vanity Fair Silk Mills. (See Herb, L. B., and Scheer, assignors.)

Van Norden, Peter J. (See McKinley, D. R., and Van Norden.)

Vibroplex Co., The. (See La Hiff, John A., assignor.)

Vierling, Otto, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Making photographs. 2,186,942; Jan. 16.

Vogel, Charles P., Millburn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Mount for electron discharge devices. 2,187,107; Jan. 16.

Voith, J. M. (See Canaan, Hans F., assignor.)

Von Baeyer, Hans J. R. (See Buschbeck, W., and von Baeyer.)

Von Knopke, Robert, St. Petersburg, Fla. Garment hanger. 2,187,579; Jan. 16.

Voss, Walter C., New York, N. Y. Money carrier. 2,186,943; Jan. 16.

Wagner, Henry D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Composite board. 2,187,335; Jan. 16.

Waldheim, John, Elizabeth, N. J. Loosening a window sash from its frame. 2,186,944; Jan. 16.

Walker, Edwin O., Chicago, Ill. Burglar alarm system. 2,187,507; Jan. 16.

Wallace, Archibald L., Brooklyn, N. Y., assignor to R. H. Crook, as trustee. Continuous vulcanizer. 2,187,253; Jan. 16.

Wallace, Archibald L., Northport, N. Y., assignor to R. H. Crook, trustee. Continuous vulcanizer. 2,187,254; Jan. 16.

Wallace, Bert A., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 2,187,186; Jan. 16.

Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Huller gin. 2,187,673; Jan. 16.

Wallace, John M., trustee. (See Bright, Elvin M., assignor.)

Wallschlaeger, Theodore W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Fastener installation and fastener member for the same. 2,187,336; Jan. 16.

Walter, Jules G. (See Cohn, S., and Walter.)

Walther, George, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Molding machine. 2,187,255; Jan. 16.

Wanat, Joseph J., Wallingford, Conn. Toboggan. 2,187,437; Jan. 16.

Wang, Harold, Saco, Mont. Shearing clamp. 2,187,337; Jan. 16.

Ward, H. H., Company. (See Ward, Samuel B., assignor.)

Ward, Samuel B., Chester Heights, assignor to H. H. Ward Company, Chester, Pa. Ice cream cabinet. 2,187,002; Jan. 16.

Wärtsilä-Yhtymä O/Y.-Wärtsilä-Koncerner A B. (See Degerth, J. G., and Dombrowsky, assignors.)

Wascher, Frank. (See Double, P. E., and Wascher.)

Wean Engineering Company, The. (See Wean, Raymond J., assignor.)

Wean, Raymond J., Warren, Ohio, assignor to The Wean Engineering Company, Inc. Providing nonoxidizing atmosphere. 2,187,594; Jan. 16.

Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Making sheet metal. 2,187,595; Jan. 16.

Wedberg, Axel G. W., Chicago, Ill. Three ply flooring. 2,187,672; Jan. 16.

Weinberger, Emanuel, New York, N. Y. Coffee infuser. 2,187,187; Jan. 16.

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical connector. 2,187,527; Jan. 16.

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Secondary alkyl monosulphonates. 2,187,338; Jan. 16.

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Secondary alkyl monosulphonates. 2,187,339; Jan. 16.

West Coast Pipe & Steel Company. (See Fish, Eugene B., assignor.)

West, Victor E., New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car gutter arrangement. 2,187,290; Jan. 16.

West, Victor E., New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car. 2,187,291; Jan. 16.

Western Electric Company. (See Manthorne, William H., assignor.)

Western Union Telegraph Company, The. (See Myer, P. L., and Wheeler, assignors.)

Westinghouse Electric & Manufacturing Company. (See Döring, Martin, assignor.)

Westinghouse Electric & Manufacturing Company. (See Kühnel, Carl, assignor.)

Westinghouse Electric & Manufacturing Company. (See McCloy, Graham C., assignor.)

Wheeler, Evan R. (See Myer, P. L., and Wheeler.)

Whitcomb, Preston, Watertown, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Variable speed pulley. 2,187,188; Jan. 16.

White, Fred E., Nashville, Mich. Valved cap for containers. 2,187,256; Jan. 16.

White, Joe, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Armature support. 2,187,064; Jan. 16.

White, Stamford, Greenwich, Conn. Burner. 2,187,003; Jan. 16.

Whitehead, William. (See Schneicer, G., and Whitehead.)

Whiting Corporation. (See Hinckley, William T., assignor.)

Whittier, Earle O., and S. P. Gould, Washington, D. C., dedicated to the free use of the People of the United States of America. Fiber. 2,187,534; Jan. 16.

Whittington, George W., Indianapolis, Ind., assignor of one-half to C. C. Bolte. Bale tie machine. 2,187,216; Jan. 16.

Wieder, Leon, Bronx, assignor to Otis Elevator Company, New York, N. Y. Moving stairway handrail protective device. 2,187,189; Jan. 16.

Wilcox, Burr C. (See Mier, E. L., and Wilcox.)

Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for applying closures of thin flexible material to containers. 2,187,190; Jan. 16.

Wilcox, John H., Easton, Md. Soy bean harvester attachment. 2,187,438; Jan. 16.

Wiley, Melvin C. (See Short, W. C., Howie, and Wiley.)

Wilhelm, Karl, and E. Kettel, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means adapted to regulate the band width. 2,187,340; Jan. 16.

Wilkinson, Russell R., et al. (See Chapman, Clifford M., assignor.)

Williams, George. (See Novak, G. A., and Williams.)

Williams, Harry M., assignor to General Motors Corporation, Dayton, Ohio. Working fluid for refrigerating apparatus. 2,187,388; Jan. 16.

Williams, John C., Corporation. (See Williams, John C., assignor.)

Williams, John C., Reno, Nev., assignor to John C. Williams Corporation. Valve. 2,187,257; Jan. 16.

Wilson, Donald B. (See Buckner, O. S., and Wilson.)

Wilson, Howard, Brooklyn, assignor to Kastar Incorporated, New York, N. Y. Contact filing device. 2,187,292; Jan. 16.

Wilson, Mark K., Chattanooga, Tenn. Liquid mixing machine. 2,187,065; Jan. 16.

Wing, Russell T., Minneapolis, Minn. Fountain pen. 2,187,528; Jan. 16.

Winkler, Wynne G., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,187,389; Jan. 16.

Winslow, Francis G., Pompton Lakes, N. J., assignor to American Hard Rubber Company, New York, N. Y. Pipe joint. 2,187,217; Jan. 16.

Witt, Carl A., Detroit, Mich. Cigarette dispenser. 2,187,218; Jan. 16.

Wochinger, Eduard, assignor to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 2,187,478; Jan. 16.

Wolf, John L., Philadelphia, Pa. Collapsible wardrobe cabinet. 2,187,004; Jan. 16.

Wood, Frank E., trustee. (See Alder, William F., assignor.)

Wood, Henry A. W., New York, and P. R. Long, Larchmont, assignors to The Wood Newspaper Machinery Corporation, New York, N. Y. Registering and clamping mechanism. 2,187,293; Jan. 16.

Wood, Lemuel J. (See Spinello, Matt, assignor.)

Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)

Wood Newspaper Machinery Corporation, The. (See Wood, H. A. W., and Long, assignors.)

Wood, Wilbur W., assignor to Penn Electric Switch Co., Des Moines, Iowa. Controller. 2,187,258; Jan. 16.

Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Preparing lithographic plates for printing. 2,186,945; Jan. 16.

Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Preparing lithographic plates. 2,186,946; Jan. 16.

Woodeson, William A., Jesmond, Newcastle-on-Tyne, and W. Midgley, Monkseaton, assignors to themselves and Clarke, Chapman & Company Limited, Gateshead-on-Tyne, Durham, England. Crane equipment for the recovery of seaplanes and boats. 2,187,439; Jan. 16.

Woodeson, William A., Jesmond, Newcastle-on-Tyne, and W. Midgley, Monkseaton, assignors to themselves and Clarke, Chapman & Company Limited, Gateshead-on-Tyne, England. Launching and recovery of waterborne craft from and to ships. 2,187,714; Jan. 16.

Woods Manufacturing Company. (See Batchelder, Nelson A., assignor.)

Worthington Pump and Machinery Corporation. (See McBath, Bartley R., assignor.)

Wüstenberg, Herbert, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,187,508; Jan. 16.

Yochum, Daniel W. (See Faris, H. P., Yochum, and Logan.)

Youker, Malcolm P., Bartlesville, Okla. Centrifugal dehumidifier. 2,187,066; Jan. 16.

Young, Clare G., Winnipeg, Manitoba, Canada. Stiffening paper. 2,187,294; Jan. 16.

Young, Lafe, and A. A. Boyle, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo. Stripper reel. 2,187,580; Jan. 16.

Young, Lloyd W., Scotch Plains, N. J., assignor to Oxweld Acetylene Company. Valve operating mechanism. 2,187,581; Jan. 16.

Young, William F. (See Gordon, S. H., and Young.)

Younglove, Edward H., Glencoe, assignor to H. A. Brassert & Company, Chicago, Ill. Blast furnace stove and the like. 2,187,191; Jan. 16.

Yow, William P., assignor to Southern Steel Stampings, Incorporated, Winston-Salem, N. C. Extension table. 2,187,067; Jan. 16.

Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Laessker, Fritz, assignor.)

Zalkind, Philip, New York, N. Y. Container and parts thereof. 2,186,947; Jan. 16.

Zaninovich, George, Dinuba, Calif. Display stand. 2,187,596; Jan. 16.

Zapf, Georg. (See Langer, M., and Zapf.)

Zeiss Ikon Aktiengesellschaft. (See Görlich, Paul, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Nerwin, Hubert, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)

Zeiss Ikon Aktiengesellschaft. (See Vierling, Otto, assignor.)

Zernike, Johannes, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Storage battery. 2,187,638; Jan. 16.

Zisman, William A. (See Giranson, R. W., and Zisman.)

Zwack, Raymond T., assignor to Eclipse Aviation Corporation, East Orange, N. J. Light directing device. 2,187,551; Jan. 16.

Zwierlein, Henry A., Euclid, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Ejector mechanism for metal forming presses. 2,187,479; Jan. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fasteners, Slide. F. P. Miller and L. Skeel. Re. 21,325; Jan. 16.
Heating the metallic parts of enclosed electrical devices, Inductively. A. Rava. Re. 21,326; Jan. 16.
Interface modifying agents and producing the same. B. R. Harris. Re. 21,322; Jan. 16.
Lock. K. C. Bugg. Re. 21,320; Jan. 16.
Mounting, Engine. W. E. Stitz. Re. 21,328; Jan. 16.
Mounting for grip cords. A. Rydquist. Re. 21,327; Jan. 16.
Muffler. R. J. MacKenzie, L. L. Haas, and G. C. Starkweather. Re. 21,324; Jan. 16.
Shoe parts, Method of and apparatus for ornamenting. B. W. Freeman. Re. 21,321; Jan. 16.
Valve unit, Flush. J. D. Langdon. Re. 21,323; Jan. 16.

LIST OF PLANT INVENTIONS

Rose. I. Ringdahl. 353; Jan. 16.
Rose. H. F. Yoder. 354; Jan. 16.

LIST OF DESIGN INVENTIONS

Atomizer. G. Grunberg. 118,555; Jan. 16.
Bottle. E. L. Du Pree. 118,593; Jan. 16.
Box or similar article, Cigarette. L. Guild. 118,558; Jan. 16.
Building. H. B. Beidler. 118,551; Jan. 16.
Button. S. Holstein. 118,608; Jan. 16.
Chair. W. D. Teague. 118,610; Jan. 16.
Clip, Pin. O. Placco. 118,565; Jan. 16.
Clock. C. R. T. Hess. 118,550; Jan. 16.
Clothing cleaning machine. K. Schultz. 118,572; Jan. 16.
Connector, Electrical wire. J. Blackburn. 118,588; Jan. 16.
Container. M. M. Karlan. 118,561; Jan. 16.
Coupler, Pipe. G. C. Thomas, Jr. 118,575; Jan. 16.
Dipper, Ice cream. R. E. Rothenbush. 118,604; Jan. 16.
Dish or similar article. L. Guild. 118,557; Jan. 16.
Dispenser and clock, Combined cigarette. H. Rubin. 118,568–9; Jan. 16.
Dispenser, Paper cup. W. J. Emerson. 118,578; Jan. 16.
Display device, Advertising. M. E. Ramsey. 118,566; Jan. 16.
Display stand, Advertising. M. Reynolds. 118,584–5; Jan. 16.
Dress. L. Katz. 118,595; Jan. 16.
Dress. A. Kaufman. 118,596; Jan. 16.
Dress. A. Rebhuhn. 118,602–3; Jan. 16.
Dress ensemble. S. Aronoff. 118,587; Jan. 16.
Fabric, Textile. L. Bondy. 118,589–90; Jan. 16.
Fabric, Woven textile. J. R. Lister. 118,583; Jan. 16.
Floor surfacing machine. W. E. Holt. 118,581; Jan. 16.
Game device. H. Singer. 118,573; Jan. 16.
Golf club shaft or the like. J. Heddon. 118,594; Jan. 16.
Guide for fishing rods, Line. L. Tengel. 118,586; Jan. 16.
Handbag. S. R. Goldsmith. 118,605; Jan. 16.
Head for a hand mirror or similar article. E. Marder. 118,598; Jan. 16.
Holder or similar article, Candle. S. C. Brickley. 118,552; Jan. 16.
Hood. G. Shear. 118,609; Jan. 16.
Housing and bag for a portable surfacing tool, Combined. W. E. Holt. 118,582; Jan. 16.
Inkwell or the like. A. D. Robinson. 118,567; Jan. 16.
Jar. O. C. Noble. 118,601; Jan. 16.
Jar for cosmetics. E. L. Imre. 118,560; Jan. 16.
Key and knife, Combination. W. H. Voos. 118,577; Jan. 16.
Lamp. W. C. Crimmins. 118,553; Jan. 16.
Lamp. J. A. Schachte. 118,571; Jan. 16.
Package, Combination container. A. W. Stompe. 118,574; Jan. 16.
Photographic enlarger. H. R. Kossman and R. C. Hubbard. 118,563; Jan. 16.
Plate or similar article. G. J. Higginson. 118,579–80; Jan. 16.
Platter or similar article. L. Guild. 118,556; Jan. 16.
Power chamber. E. Knauss. 118,597; Jan. 16.
Ring, Engagement. N. A. Cohn. 118,591; Jan. 16.
Ring, Wedding. N. A. Cohn. 118,592; Jan. 16.
Shoe. W. H. Thompson. 118,576; Jan. 16.
Shoe sole. P. E. Medwed. 118,564; Jan. 16.
Slipper. L. E. Friedman. 118,606–7; Jan. 16.
Spoon or other article of flatware. A. G. Kintz. 118,562; Jan. 16.
Spring and support therefor, Combined vehicle. G. A. Mercer, Jr. 118,599–600; Jan. 16.
Statuette or similar article. R. G. Ruth. 118,570; Jan. 16.
Tombstone. M. Figatner. 118,554; Jan. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheels, Making. O. S. Buckner and D. B. Wilson. 2,187,583; Jan. 16.
Accelerator, Auxiliary foot. A. Adamic. 2,187,068; Jan. 16.
Acetals, Polyvinyl. G. Kränzlein and U. Lampert. 2,187,570; Jan. 16.
Acid derivatives, Barbituric. A. C. Cope. 2,187,701; Jan. 16.
Acid derivatives, Barbituric. W. H. Hartung and F. S. Crossley. 2,187,705; Jan. 16.
Acids, Barbituric. A. C. Cope. 2,187,702–3; Jan. 16.
Adding and subtracting device. W. Hess. 2,187,496; Jan. 16.
Aerial system, Directional. E. C. Cork and J. L. Pawsey. 2,187,015; Jan. 16.
Air cleaning device. F. S. Orem. 2,187,546; Jan. 16.
Air conditioning apparatus. J. P. Goggins. 2,187,397; Jan. 16.
Air conditioning assembly for vehicles. J. P. Goggins. 2,187,398; Jan. 16.
Air conditioning system. J. Frankenberg. 2,187,492; Jan. 16.
Air cooler, Evaporative. C. W. and L. D. De Mund. 2,187,019; Jan. 16.
Aircraft control. J. M. Gwinn, Jr. 2,187,152; Jan. 16.
Airplane. O. Alvistur. 2,187,295; Jan. 16.
Airplanes, Deflection-preventing arrangement in. R. Busselmeier. 2,187,446; Jan. 16.
Airscrew, Variable pitch. P. P. Ratié. 2,187,364; Jan. 16.
Alarm, Burglar. C. M. Chapman. 2,187,194; Jan. 16.
Alarm system, Burglar. E. O. Walker. 2,187,507; Jan. 16.
Alkyl monosulphonates, Secondary. J. H. Werntz. 2,187,338–9; Jan. 16.
Alkylaminobenzaldehydes and making them, Para-secondary. W. Richter. 2,187,328; Jan. 16.
Alloy. F. R. Hensel and K. L. Emmert. 2,187,379; Jan. 16.
Alloy. C. J. Schafer. 2,187,630; Jan. 16.
Amphibian vehicle. A. A. Lane and E. W. Jacobson. 2,187,658; Jan. 16.
Amusement apparatus. A. M. Henry. 2,187,422; Jan. 16.
Amusement device. F. J. Stone. 2,187,407; Jan. 16.
Anchoring structure for portable ice boxes. W. F. Kirk. 2,187,270; Jan. 16.
Anesthetic. J. G. Blaso. 2,187,597; Jan. 16.
Anesthetic preparation, Self-spraying. J. G. Blaso. 2,187,598; Jan. 16.
Animal feeding means. H. F. Hablitzel. 2,187,711; Jan. 16.
Animal trap. W. A. Uttz, Sr. 2,187,001; Jan. 16.
Antenna construction. H. Palmer. 2,186,934; Jan. 16.
Antenna transformer. W. Buschbeck and H. J. R. von Baeyer. 2,187,014; Jan. 16.
Antenna winch for aircraft. H. Schröder. 2,187,575; Jan. 16.
Antirattling device. J. B. Benson. 2,187,412; Jan. 16.
Anvil for fastener setting machines, Multiple. A. R. Havener. 2,187,517; Jan. 16.
Apparatus for casting articles. H. E. McWane. 2,186,938; Jan. 16.
Apparatus for cleaning and flushing radiators and the like. J. Boezi and R. Papiri. 2,187,413; Jan. 16.
Apparatus for drilling wells. W. J. Newman. 2,187,092; Jan. 16.
Apparatus for inhibiting tar polymerization. A. Cibulka and M. W. Mayer. 2,187,708; Jan. 16.
Apparatus for making welded wire netting. W. Krämer. 2,187,129; Jan. 16.
Apparatus for moving sliding partitions, windows, and the like. G. S. Piper. 2,187,095; Jan. 16.
Apparatus for testing photoflash mechanism. T. M. Aiken. 2,187,409; Jan. 16.
Apparatus for the electrostatic separation particles having different electrical susceptibilities. H. M. Sutton and E. G. Steele. 2,187,637; Jan. 16.
Apparatus for the manufacture of baked goods. J. MacManus. 2,187,355; Jan. 16.
Apparatus for the manufacture of coated webs. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,187,624; Jan. 16.
Appliance for beds and cots, Invalid. L. H. Burns. 2,187,013; Jan. 16.
Applicating device. L. J. Suddarth. 2,187,671; Jan. 16.
Applicator. L. J. Suddarth. 2,187,670; Jan. 16.
Armature support. J. White. 2,187,064; Jan. 16.
Article of manufacture. R. E. Thomas. 2,187,563; Jan. 16.
Article of welded construction. P. Schafmeister and E. Houdremont. 2,187,525; Jan. 16.
Articles, Compacting. F. D. Fowler. 2,187,024; Jan. 16.
Arylides of 2,3-hydroxynaphthoic acid. W. Kern and R. Tobler. 2,187,455; Jan. 16.
Atmosphere, Providing nonoxidizing. R. J. Wean. 2,187,594; Jan. 16.
Attachment for lister seeders, Damming. C. T. Peacock. 2,187,051; Jan. 16.
Attachment plug. N. Chirelstein. 2,187,489; Jan. 16.
Automatic speed regulator. F. F. Uehling. 2,187,369; Jan. 16.
Automobile heater. J. V. Pagliaroni. 2,187,281; Jan. 16.
Automotive signal. V. W. Schultz. 2,187,060; Jan. 16.
Automotive vehicle. F. W. Avila. 2,187,410; Jan. 16.
Awning. S. G. Bond. 2,187,639; Jan. 16.
Axle and wheel spindle, Front. F. M. Schatz. 2,187,249; Jan. 16.
Axle construction. D. D. Ormsby. 2,187,614; Jan. 16.
Bag, coffee bag, and the like, Tea. R. N. Doble. 2,187,417; Jan. 16.
Bait, Artificial. A. J. Lauby. 2,187,475; Jan. 16.
Bait, Artificial fish. W. H. Schumann. 2,187,666; Jan. 16.
Bailer or sand pump. W. A. Larson and H. T. Swortwood. 2,187,042; Jan. 16.
Baked goods, Procedure for the manufacture of. J. MacManus. 2,187,354; Jan. 16.
Band width, Means adapted to regulate the. K. Wilhelm and E. Kettel. 2,187,340; Jan. 16.
Battery, Storage. J. Zernike. 2,187,638; Jan. 16.
Beam. B. A. Olson. 2,187,280; Jan. 16.
Bearing: *See*—
Self-lubricating bearing.
Bearing. J. D. Friend. 2,187,307; Jan. 16.
Bearing assembly. J. G. Degerth and L. Dombrowsky. 2,187,600; Jan. 16.
Bearing pile construction. G. G. Greulich. 2,187,315–7; Jan. 16.
Bearing pile construction. G. G. Greulich. 2,187,319; Jan. 16.
Bearing pile splice clamp. G. G. Greulich. 2,187,314; Jan. 16.
Bearings, Forming composite metal. F. Hodson. 2,187,348; Jan. 16.
Bed-settee, Convertible. F. and W. Jaray. 2,187,689; Jan. 16.
Belt handling device. C. M. McCarthy. 2,187,134; Jan. 16.
Bicycle, Two-speed. F. H. Bultman. 2,187,643; Jan. 16.
Binding, Combined tour and slalom. J. W. Bruun. 2,187,537; Jan. 16.
Bit: *See*—
Diamond drill bit.
Blind, Venetian. M. L. Kesner. 2,187,242; Jan. 16.
Block: *See*—
Safety block. Safety snatch block.
Board: *See*—
Composite board. Setting-out board.
Boat, Submarine. G. Caproni. 2,187,074; Jan. 16.
Boiler: *See*—
Portable boiler.
Bottle cap. G. H. Hutaff, Jr. 2,187,454; Jan. 16.
Bottle carrier. H. Z. Gray. 2,187,494; Jan. 16.
Bottle closure. E. Greene. 2,187,619; Jan. 16.
Box: *See*—
Foldable blank box. Lunch box.
Journal box. Ornamental box.
Box making. C. D. Knowlton. 2,186,977; Jan. 16.
Boxes, Sealing folded blank. J. A. Farmer. 2,187,305; Jan. 16.
Bracket: *See*—
Spool bracket.
Bracket. R. C. Brown. 2,187,642; Jan. 16.
Brake: *See*—
Vehicle brake.
Bridge plug. C. E. Burt. 2,187,487; Jan. 16.
Brush, Air. E. U. Crumley. 2,187,195; Jan. 16.
Building system. H. T. Fisher. 2,187,148; Jan. 16.
Bulb for automatic sprinklers and the like, Frangible. A. Roberts. 2,187,098; Jan. 16.
Bumper especially applicable to railway vehicles. J. Mercier. 2,187,625; Jan. 16.
Burner: *See*—
Gas burner. Oil burner.
Hydrocarbon burner.
Burner. S. White. 2,187,003; Jan. 16.
Burner control, Oil. W. H. Hutchins and H. C. Rohr. 2,187,269; Jan. 16.

Bushing, High tension. R. M. Emblidge. 2,187,116; Jan. 16.
Button blank chucking mechanism. E. C. and J. R. Carris. 2,187,266; Jan. 16.
Cabinet: *See*—
Ice cream cabinet. Wardrobe cabinet.
Cable: *See*—
Electric power cable.
Cable head, Releasable. C. H. Barnes. 2,187,007; Jan. 16.
Calcium lactobionate calcium bromide and making the same, Crystalline. H. S. Isbell. 2,186,975; Jan. 16.
Camera. C. W. Peterson. 2,187,093; Jan. 16.
Camera, Moving picture. G. Malek. 2,187,356; Jan. 16.
Camera, Photographic. I. Kitroser. 2,187,128; Jan. 16.
Camera, Photographic. H. Nerwin. 2,187,246; Jan. 16.
Camera, Wrist-attached. K. M. French. 2,187,449; Jan. 16.
Can construction, Squirt. R. M. Bagley. 2,187,564; Jan. 16.
Can filling machine. C. H. Ayars. 2,187,615; Jan. 16.
Candle, Metal-finished. M. F. Pratt. 2,187,053; Jan. 16.
Cap: *See*—
Bottle cap.
Cap for containers, Valved. F. E. White. 2,187,256; Jan. 16.
Car: *See*—
Refrigerator car.
Car refrigeration. D. P. Minard. 2,187,277; Jan. 16.
Carbon disulphide, Production of. M. de Simó. 2,187,393; Jan. 16.
Carpet. H. P. Faris, D. W. Yochum, and R. B. Logan. 2,187,140; Jan. 16.
Carrier: *See*—
Bottle carrier. Money carrier.
Case: *See*—
Spectacle case. Well survey instrument case.
Traveling case.
Cash register. C. W. Green. 2,187,200; Jan. 16.
Casing construction. V. F. Dewey and J. N. McLoughlin. 2,187,490; Jan. 16.
Catalytic material for lighters. G. P. Schmitt. 2,186,995; Jan. 16.
Ceiling washing implement. A. Grigas. 2,187,585; Jan. 16.
Cellulose and producing same, Wood. L. E. Goff, L. M. Sheldon, M. L. Herzog, and F. Olsen. 2,187,710; Jan. 16.
Cement and making same, Waterproof, quick-setting adhesive Portland. L. L. Smith. 2,187,668; Jan. 16.
Cement retainer. R. C. Baker and T. M. Ragan. 2,187,482; Jan. 16.
Centrifugal apparatus for cleaning and conditioning air. H. McCornack. 2,187,573; Jan. 16.
Centrifugally actuated device. J. J. McCabe. 2,187,207; Jan. 16.
Cevitamate solution. E. H. Stuart. 2,187,467; Jan. 16.
Chain: *See*—
Vehicle track chain.
Channel, Cast removal. M. H. Prosperi. 2,187,175; Jan. 16.
Cigarette dispenser. C. A. Witt. 2,187,218; Jan. 16.
Circuit: *See*—
Impulse track circuit.
Circuit and radio receiver, Feedback. R. F. Pratt. 2,187,402; Jan. 16.
Circuit breaker. J. G. Jackson and W. T. Allen. 2,187,606; Jan. 16.
Circuit controller. W. C. McWhirter. 2,187,518; Jan. 16.
Clamp: *See*—
Bearing pile splice clamp. Shearing clamp.
Clamp. J. Schor and J. R. Skoverski. 2,187,059; Jan. 16.
Clasp, Garment. R. C. Isaac. 2,187,650; Jan. 16.
Cleaner: *See*—
Push-broom-type vacuum cleaner.
Cleaning device for hopper outlets. R. J. Kehl. 2,187,587; Jan. 16.
Clicking machine. E. I. La Chapelle. 2,187,162; Jan. 16.
Clinch-nut machine. P. E. Double and F. Wascher. 2,187,647; Jan. 16.
Closure applying machine. W. H. Newey. 2,187,429; Jan. 16.
Clothesline, Hook. F. H. McLain. 2,187,325; Jan. 16.
Coagulation. W. S. Calcott and H. W. Starkweather. 2,187,146; Jan. 16.
Coal cutting machine. J. J. Cline. 2,187,301; Jan. 16.
Coating material, Light-diffusing. W. E. Koerner. 2,187,622; Jan. 16.
Coating method. W. R. Collings and J. J. Hoeltzel. 2,186,957; Jan. 16.
Coffee infuser. E. Weinberger. 2,187,187; Jan. 16.
Cold control, Method of and apparatus for. I. J. Knudson. 2,187,038; Jan. 16.
Comb, Taper feeding hair clipper. J. Cromonic. 2,187,599; Jan. 16.
Combustion, heat-transfer, and gas purification plant. W. G. Noack. 2,187,627; Jan. 16.
Compass. J. Mellner. 2,187,519; Jan. 16.
Composite board. H. D. Wagner. 2,187,335; Jan. 16.
Condensation products of higher fatty acid compounds with boric acid. K. Stickdorn. 2,187,334; Jan. 16.
Condenser: *See*—
Electrical condenser.
Connector: *See*—
Electrical connector. Wire or rod connector.
Connector. J. B. Madden. 2,187,166; Jan. 16.
Contact filing device. H. Wilson. 2,187,292; Jan. 16.
Container. F. G. Foss. 2,186,962; Jan. 16.
Container. G. Glocker. 2,187,396; Jan. 16.
Container. J. M. Hothersall. 2,186,973; Jan. 16.
Container. M. Levy and F. R. Casino. 2,187,559; Jan. 16.
Container. R. L. Sullivan. 2,186,940; Jan. 16.
Container and parts thereof. P. Zalkind. 2,186,947; Jan. 16.
Container for melting and pouring paraffin. E. D. L. Huff and H. K. Olson. 2,187,082; Jan. 16.
Container for photographic cameras, Roll film magazine. G. B. Pollock. 2,187,547; Jan. 16.
Container, Forming an easy opening. W. F. Punte. 2,187,433; Jan. 16.
Container valve, Combination dispensing. L. G. Murphy. 2,187,049; Jan. 16.
Control device, Automatic. F. B. Harmon. 2,187,124; Jan. 16.
Control for presses, Electric. H. F. MacMillin. 2,187,212; Jan. 16.
Control for switching cars on and off mine cages, Automatic. K. Ruhl. 2,187,100; Jan. 16.
Control for valves, Electrical. D. H. McCorkle. 2,176,045; Jan. 16.
Control means for fluid power transmitters. H. F. Canaan. 2,186,956; Jan. 16.
Control mechanism for governors. J. S. Jennings, Jr. 2,187,652; Jan. 16.
Control seat. G. C. Abbe. 2,187,509; Jan. 16.
Controller. J. T. Nichols. 2,187,613; Jan. 16.
Controller. W. W. Wood. 2,187,258; Jan. 16.
Controller for gas flow. R. J. S. Pigott. 2,187,662; Jan. 16.
Conveyer system. L. J. Bishop. 2,187,073; Jan. 16.
Conveying equipment. W. E. Lambert. 2,187,657; Jan. 16.
Cooking appliance. H. J. Gerdau. 2,187,515; Jan. 16.
Cooler: *See*—
Air cooler.
Cooling means for an electrical apparatus. P. F. Braden. 2,187,011; Jan. 16.
Cooling receptacle. J. I. Kushima. 2,187,558; Jan. 16.
Core, Sheathed. S. E. Borgeson. 2,187,391; Jan. 16.
Coupling: *See*—
Hydraulic coupling. Power transmitting coupling.
Pipe, tubing and conduit coupling.
Cover: *See*—
Receptacle cover.
Cover, Making a food display. A. E. Rouse. 2,186,994; Jan. 16.
Covering, Weather. G. B. Johnston. 2,187,203; Jan. 16.
Cow sucking preventer. L. F. Mott. 2,187,461; Jan. 16.
Craft from and to ships, Launching and recovery of waterborne. W. Woodeson and W. Midgley. 2,187,714; Jan. 16.
Crane equipment for the recovery of seaplanes and boats. W. A. Woodeson and W. Midgley. 2,187,439; Jan. 16.
Crankcase breather. W. L. Carlson. 2,187,264; Jan. 16.
Crankcase breather construction W. L. Carlson. 2,187,265; Jan. 16.
Crankcase drain valve. R. H. Nichols. 2,187,247; Jan. 16.
Crimping device. P. Esselmann, K. Kösslinger, and P. Saffert. 2,187,567; Jan. 16.
Cuff link, Self-retaining. F. A. Bullock. 2,186,955; Jan. 16.
Cutter: *See*—
Electrical insulation cutter. Film cutter.
Dashboard fuse mounting. L. H. Middleton. 2,187,427; Jan. 16.
Deep well pump. J. W. Chambers. 2,187,679; Jan. 16.
Dehumidifier, Centrifugal. M. P. Youker. 2,187,066; Jan. 16.
Dehydration. D. McDonald. 2,187,208-9; Jan. 16.
Dental floss holder. J. B. Beach. 2,187,442; Jan. 16.
Dental partial plate holder. C. D. Kreps. 2,187,457; Jan. 16.
Derrick. J. F. Chappell. 2,187,392; Jan. 16.
Detergent composition simulating olive oil soaps. S. Z. Avedikian. 2,187,536; Jan. 16.
Device attachment. M. M. Clayton. 2,187,222; Jan. 16.
Device to ease childbirth. M. Hornstein. 2,187,125; Jan. 16.
Diamond drill bit. G. J. Maier. 2,187,384; Jan. 16.
Dicing machine. W. E. Urschel. 2,187,252; Jan. 16.
Die. F. P. Jackson. 2,187,651; Jan. 16.
Die casting machine. H. J. Kalajian. 2,187,239; Jan. 16.
Direction finder compensator. A. Leib. 2,187,588; Jan. 16.
Disk. Plow or colter. C. W. Beamer. 2,187,443; Jan. 16.

Dispenser: *See*—
Cigarette dispenser.
Toilet seat cover dispenser.
Dispensing apparatus. L. O. Garner and F. Montesi. 2,187,232-3; Jan. 16.
Dispensing apparatus. C. A. Huber. 2,187,153; Jan. 16.
Display stand. G. Zaninovich. 2,187,596; Jan. 16.
Distortion reducing system for suppressed carrier transmission. A. A. Collins. 2,186,958; Jan. 16.
Dividing apparatus for toothed wheel or like grinding machines. F. Leesaker. 2,187,544; Jan. 16.
Doctor blade. F. George. 2,187,421; Jan. 16.
Door: *See*—
Turn-over door.
Door. R. E. C. Schulz and H. R. Berndt. 2,187,331; Jan. 16.
Door closer. J. S. Bernholtz. 2,187,109; Jan. 16.
Door control system. E. G. Parvin. 2,187,173; Jan. 16.
Door lock. W. R. Schlage. 2,187,058; Jan. 16.
Doorbell device, Coin controlled. M. P. Torrance. 2,187,578; Jan. 16.
Dough molding machine. H. C. Rhodes. 2,187,214; Jan. 16.
Draft check and control. J. B. Reinhard and L. J. Koch. 2,186,991; Jan. 16.
Draft gear, Selective travel. D. F. Sproul. 2,187,333; Jan. 16.
Drawbar construction. W. O. Bechman. 2,187,411; Jan. 16.
Draw-works for rotary drilling apparatus. A. R. Maier. 2,187,623; Jan. 16.
Drier: *See*—
Mold skin drier.
Drill: *See*—
Portable drill.
Drill stems, Method and apparatus for orienting. G. A. Smith. 2,187,367; Jan. 16.
Drive for compressors, Internal combustion engine. C. R. Neeson. 2,187,712; Jan. 16.
Drive, Drillstem. J. A. Smethers. 2,187,405; Jan. 16.
Drop leaf extension table. W. M. Hyland. 2,187,423; Jan. 16.
Dyeings, Producing. C. Graenacher. 2,187,453; Jan. 16.
Egg separator. J. T. Brueggeman. 2,187,488; Jan. 16.
Ejector mechanism for metal forming presses. H. A. Zwierlein. 2,187,479; Jan. 16.
Electric contact, Abrasion resistant. F. R. Hensel. 2,187,378; Jan. 16.
Electric contact, Wear resistant. F. R. Hensel. 2,187,377; Jan. 16.
Electric field sensitive device. R. W. Goranson and W. A. Ziaman. 2,187,541; Jan. 16.
Electric motor. E. F. Hubacker. 2,187,023; Jan. 16.
Electric power cable. H. Milliken. 2,187,213; Jan. 16.
Electric switch. K. C. Allison and E. J. Mastney. 2,186,949-50; Jan. 16.
Electrical condenser. S. S. Cramer. 2,187,017; Jan. 16.
Electrical conductor, Insulated. F. M. Potter. 2,187,401; Jan. 16.
Electrical connector. W. B. Wells. 2,187,527; Jan. 16.
Electrical insulation cutter. M. Spinello. 2,187,215; Jan. 16.
Electrical regulating apparatus. J. M. Pelikan. 2,187,523; Jan. 16.
Electrocuting trap. S. Palos. 2,187,400; Jan. 16.
Electrodynamic apparatus. E. Hausdorf. 2,187,236; Jan. 16.
Electromagnetic motor, Vibratory. R. R. Smith. 2,187,576; Jan. 16.
Electron apparatus. W. H. Manthorne. 2,187,591; Jan. 16.
Electron multiplier. K. Siebertz. 2,187,184; Jan. 17.
Elevator apparatus. J. A. Scheuts. 2,187,283; Jan. 16.
Engine construction, Internal combustion. W. Tobler. 2,187,287; Jan. 16.
Engine control. K. W. S. Ostling. 2,186,989; Jan. 16.
Engine control, Aircraft. F. Gosslau and J. Schmidt. 2,187,120; Jan. 16.
Engine starting mechanism. R. P. Lansing. 2,187,545; Jan. 16.
Engines, Lubrication of slide-valve internal combustion. R. L. Skinner. 2,187,285; Jan. 16.
Engines, Pneumatic distribution for two-stroke internal combustion. V. Breslav. 2,187,341; Jan. 16.
Epoxy compounds, Polymerization of. A. M. Alvarado and H. S. Holt. 2,187,006; Jan. 16.
Evaporator and the like, Multiple effect. W. T. Hinckley. 2,187,030; Jan. 16.
Extension table. V. C. Luppert. 2,187,133; Jan. 16.
Extension table. W. P. Yow. 2,187,067; Jan. 16.
Fabric finishing system. S. Cohn and J. G. Walter. 2,187,644; Jan. 16.
Fabric, Method of and apparatus for making knitted. G. L. Logan. 2,187,132; Jan. 16.
Fabrics, Making figured. H. J. Carragher. 2,187,460; Jan. 16.
Fabrics, Manufacture of full-cross gauze. E. Egli. 2,187,540; Jan. 16.
Fastener: *See*—
Mixing bowl fastener.
Fastener for women's handbags and other articles. A. Illsche. 2,187,605; Jan. 16.
Fastener installation and fastener member for the same. T. W. Wallachlaeger. 2,187,336; Jan. 16.
Fastener member and fastener installation. A. De Vito and F. Llessmann. 2,187,303; Jan. 16.
Fastener member, Double. W. I. Jones. 2,187,322; Jan. 16.
Fastener member, Snap. R. W. Johnson. 2,187,321; Jan. 16.
Feed chuck. J. R. O'Connell. 2,187,170; Jan. 16.
Feeder for pea viners. F. Hamachek, Jr. 2,187,026; Jan. 16.
Feed-water heater. B. R. McBath. 2,187,044; Jan. 16.
Fence. W. C. Briggs. 2,187,641; Jan. 16.
Fiber. E. O. Whittier and S. P. Gould. 2,187,524; Jan. 16.
Filaments, Apparatus for spinning and winding glass. J. Pink. 2,187,094; Jan. 16.
File and attachment therefor. L. Stark. 2,187,907; Jan. 16.
File, Protected card. S. S. Ehrenzweig. 2,187,113; Jan. 16.
Filling machine and filling containers. L. P. Sins. 2,187,332; Jan. 16.
Film cutter. R. Kann. 2,187,655; Jan. 16.
Filter. A. J. Gardner. 2,187,514; Jan. 16.
Filter flow device. N. M. Nesset. 2,186,987; Jan. 16.
Finder device. H. Sauer. 2,187,057; Jan. 16.
Finishing and polishing method and equipment. C. J. Lippold. 2,187,181; Jan. 16.
Fish lure. K. R. Larson. 2,187,609; Jan. 16.
Floor construction. R. E. Laubacher. 2,187,500; Jan. 16.
Flooring, Three ply. A. G. W. Wedberg. 2,187,672; Jan. 16.
Fluid for refrigerating apparatus, Working. H. M. Williams. 2,187,388; Jan. 16.
Foldable blank box. J. A. Farmer. 2,187,304; Jan. 16.
Folder. D. E. Gilson. 2,187,451; Jan. 16.
Food molding machine. W. L. Baxter. 2,187,511; Jan. 16.
Food products, Packing and sealing. A. G. Hopkins. 2,187,688; Jan. 16.
Footwear, Welted. F. Holland. 2,187,031; Jan. 16.
Fork, Ejector. J. C. Brown. 2,187,145; Jan. 16.
Form truing. D. W. Martin. 2,187,690; Jan. 16.
Formation testing method and apparatus. C. E. Burt. 2,187,486; Jan. 16.
Forms, Apparatus for making plastic. L. L. Smith. 2,187,562; Jan. 16.
Frame: *See*—
Pasteboard printing frame.
Frame and making same, Bicycle. J. H. Dunn. 2,187,020; Jan. 16.
Fruit cutting machine. J. S. Nicoll, A. O. Giles, T. Marucka, B. J. Butler, and C. M. Countryman. 2,187,326; Jan. 16.
Fruit juices, Concentrating citrus. G. H. Meisser. 2,187,572; Jan. 16.
Fruit preparation machine. B. C. Coons. 2,187,075; Jan. 16.
Fuel, Production of motor. H. V. Atwell. 2,187,696; Jan. 16.
Furniture. J. W. Bowersox. 2,187,713; Jan. 16.
Furrow damming machine. L. S. Brown. 2,187,262; Jan. 16.
Game apparatus. T. Gordon. 2,187,493; Jan. 16.
Game device. W. R. Price. 2,187,524; Jan. 16.
Game wheel. D. O. McLean. 2,187,046; Jan. 16.
Garden implement, Wheeled. J. La M. Bright. 2,187,675; Jan. 16.
Garment hanger. F. P. Newhouse. 2,187,691; Jan. 16.
Garment hanger. R. von Knopke. 2,187,579; Jan. 16.
Gas burner. A. J. Anderson and G. Hill. 2,187,674; Jan. 16.
Gas burner. P. E. Beckman and M. A. Richford. 2,187,010; Jan. 16.
Gases from engines, Exhaust of. H. Coanda. 2,187,342; Jan. 16.
Gassing process, Hot. L. S. Cooper. 2,186,959; Jan. 16.
Gate or the like, Head. H. H. Scates. 2,187,665; Jan. 16.
Gauge: *See*—
Printer's gauge. Storage tank gauge.
Oil gauge.
Gauge for shoe pressing machines. S. J. Finn. 2,186,961; Jan. 16.
Gear: *See*—
Draft gear. Retractable aligning gear.
Gear and control, Landing. J. B. Reinhard and L. J. Koch. 2,186,993; Jan. 16.
Gear for bicycles, Change speed. O. Todrys. 2,187,368; Jan. 16.
Gear grinding machine. W. E. Sykes. 2,187,062; Jan. 16.
Gear shifting mechanism for motor vehicles. V. F. Simonick. 2,187,465; Jan. 16.
Generator: *See*—
Speed pulley generator.
Geranyl crotonate. H. R. Slagh. 2,187,694; Jan. 16.
Gin, Huller. J. J. Wallace. 2,187,673; Jan. 16.
Glove, Rubber. C. E. Olmsted and H. McClary. 2,187,430; Jan. 16.
Goggles, Welder's. O. E. Hagen. 2,187,542; Jan. 16.
Governor. J. S. Jennings, Jr. 2,187,653; Jan. 16.
Grader. N. H. Schneider. 2,187,101; Jan. 16.

Grading machine. J. W. Johnston. 2,187,204; Jan. 16.
Gratings, Method of welding. W. A. Bates. 2,187,529; Jan. 16.
Grinding. P. H. Hutchinson. 2,187,471; Jan. 16.
Grinding machine. R. E. Flanders. 2,187,227; Jan. 16.
Grinding machine. A. B. Utterback. 2,187,289; Jan. 16.
Grinding mill. R. L. Schuhmann. 2,187,102; Jan. 16.
Grooving machine. S. and P. Baroni. 2,187,142; Jan. 16.
Guard, Highway. M. J. Gill. 2,187,556; Jan. 16.
Gun structure, Machine. S. G. Green. 2,186,969; Jan. 16.
Gunstock, Adjustable. S. A. Smith. 2,187,548; Jan. 16.
Gutter arrangement, Refrigerator car. V. E. West. 2,187,290; Jan. 16.
Hair, Apparatus for permanently waving. R. M. Keele. 2,187,473; Jan. 16.
Hair waving, Apparatus for. R. M. Keele. 2,187,474; Jan. 16.
Halobenzenes, Polyisopropyl. R. R. Dreisbach and G. B. Heusted. 2,186,960; Jan. 16.
Hammer operated by means of compressed air, Automatic nail driving. L. Oeckl. 2,187,692; Jan. 16.
Hammer, Pneumatic fender. R. J. Champayne. 2,187,110; Jan. 16.
Hammer screen. V. F. Larson. 2,187,273; Jan. 16.
Hamper, Clothes. J. Rubin. 2,187,403; Jan. 16.
Handle: *See*—
Tool handle.
Handle supporting mechanism. M. Lazow. 2,187,610; Jan. 16.
Handrail protective device, Moving stairway. L. Wieder. 2,187,189; Jan. 16.
Hanger: *See*—
Garment hanger.
Hanger attachment, Garment. K. Aljian. 2,187,535; Jan. 16.
Harness, Animal. J. L. Everson. 2,187,021; Jan. 16.
Harvester attachment, Soy bean. J. H. Wilcox. 2,187,438; Jan. 16.
Harvester, Peanut. T. C. Lloyd-Jones and S. E. Kinnear. 2,187,206; Jan. 16.
Headlight control system, Motor vehicle. R. M. Franklin. 2,187,648; Jan. 16.
Headlight for vehicles. A. Bergström. 2,186,951; Jan. 16.
Heat from a body, Device and method to test radiation of. W. F. Alder. 2,186,948; Jan. 16.
Heater: *See*—
Automobile heater. Feed water heater.
Heating apparatus for shoe parts. J. Teppema and T. C. Morris. 2,186,941; Jan. 16.
Heating element winding machine. T. E. Galligan. 2,187,267; Jan. 16.
Heating system for airplanes. G. Van Daam. 2,187,506; Jan. 16.
Heating system for motor driven conveyances. C. E. Osborne. 2,186,988; Jan. 16.
Heel saver for shoes. C. R. Hanus. 2,187,621; Jan. 16.
Heel-seat fitting machine. G. Hazelton. 2,187,150; Jan. 16.
High frequency energy line. A. Gothe. 2,187,584; Jan. 16.
Hinge. E. S. Persson. 2,187,464; Jan. 16.
Hinge construction. H. Rodemeyer. 2,187,099; Jan. 16.
Holder: *See*—
Dental floss holder. Ornamental flower holder.
Dental partial plate holder. Shoe holder.
Holder and stand, Flowerpot. R. M. Koch. 2,187,159; Jan. 16.
Holder for electroplating machines, Work-piece. A. H. Hannon. 2,187,079; Jan. 16.
Holder for liquid insecticides. M. F. Miller. 2,187,276; Jan. 16.
Hook: *See*—
Clothesline hook. Snap hook.
Hop picking machine. E. Thys. 2,187,526; Jan. 16.
Hose, Flexible metallic. S. Guarnaschelli. 2,187,347; Jan. 16.
Housing for locomotive stokers, Door. W. T. Hanna. 2,187,495; Jan. 16.
Housing for Venetian blind operating mechanism. F. E. Lawson. 2,187,458; Jan. 16.
Humidifier. E. S. Cornell, Jr. 2,187,645; Jan. 16.
Hydraulic apparatus. J. H. Kerber. 2,187,036; Jan. 16.
Hydraulic coupling, Variable-speed. N. L. Alison. 2,187,069; Jan. 16.
Hydraulic operating device. J. M. Evans. 2,187,513; Jan. 16.
Hydraulic press. J. Maynard. 2,187,385; Jan. 16.
Hydraulic valve lifter. E. W. Baxter. 2,187,008; Jan. 16.
Hydrocarbon burner. J. L. Breese. 2,187,261; Jan. 16.
Hydrocarbons, Refining. H. C. Schutt. 2,187,631; Jan. 16.
Hydrocarbons, Treatment of. V. Ipatieff and H. Pines. 2,187,034; Jan. 16.
Ice cream cabinet. S. B. Ward. 2,187,002; Jan. 16.
Ignition distributor. J. L. Arthur. 2,187,070; Jan. 16.
Illumination means for handbags and the like. G. R. Fuss. 2,187,308; Jan. 16.
Impulse track circuit. D. W. Dower and A. W. Clark. 2,187,225; Jan. 16.
Incineration of sewage sludge or the like waste materials. H. J. Hartley and D. Baird. 2,187,201; Jan. 16.
Indicator: *See*—
Order indicator.
Inking device for a rotary duplicator. F. Nigra. 2,186,939; Jan. 16.
Insulating material, Process and apparatus for the manufacture of. M. A. Powers. 2,187,432; Jan. 16.
Insulator. W. A. Bary. 2,187,143; Jan. 16.
Insulator, Section. L. A. Meisse. 2,187,135; Jan. 16.
Iron article and making same, Porous. F. V. Lenel. 2,187,589; Jan. 16.
Ironing table. H. V. Keller. 2,187,607; Jan. 16.
Ironing table. C. Tonn. 2,187,593; Jan. 16.
Jack: *See*—
Vehicle jack.
Jack structure. L. D. Nilson. 2,187,279; Jan. 16.
Jar. G. Glocker. 2,187,394; Jan. 16.
Joint: *See*—
Pipe joint. Swivel joint.
Journal box. D. S. Barrows. 2,186,935; Jan. 16.
Key, Container. G. Glocker. 2,187,395; Jan. 16.
Keyboard. F. L. Paul. 2,187,592; Jan. 16.
Knife, Utility. A. J. Lurie. 2,187,590; Jan. 16.
Knitting machine, Flat. L. B. Herb and R. H. Scheer. 2,186,971; Jan. 16.
Ladder. I. J. Tillman. 2,187,286; Jan. 16.
Ladder, Boat. A. M. Smith. 2,187,633; Jan. 16.
Land clearing machine A. S. Kane. 2,187,707; Jan. 16.
Lantern, Miner's. P. Carbonara. 2,187,539; Jan. 16.
Latch: *See*—
Valve latch
Latch and dovetail structure, Combined. R. W. Butler. 2,187,530–1; Jan. 16.
Lead nitrate solutions, Purifying. B. B. Barrett. 2,187,108; Jan. 16.
Leaks in well casings, Locating and cementing off. A. N. McLennan. 2,187,275; Jan. 16.
Lens and making the same, Ophthalmic. E. D. Tillyer. 2,187,105; Jan. 16.
Lift for shoe heels, Detachable. M. Mayor. 2,187,167; Jan. 16.
Lifter: *See*—
Hydraulic valve lifter.
Lifting and transporting apparatus. J. J. Fields. 2,187,198; Jan. 16.
Light-controlled actuating device. E. Brenner. 2,187,012; Jan. 16.
Light directing device. R. T. Zwack. 2,187,551; Jan. 16.
Light-selector system, Automatic. W. R. Curtiss. 2,187,018; Jan. 16.
Lining and process of making, Fused Jordan. H. D. Stuck. 2,187,504; Jan. 16.
Liquid mixing machine. M. K. Wilson. 2,187,065; Jan. 16.
Lithographic plates for printing, Preparing. W. H. Wood. 2,186,945; Jan. 16.
Lithographic plates, Preparing. W. H. Wood. 2,186,946; Jan. 16.
Load transmission device. E. L. Mier and B. C. Wilcox. 2,187,428; Jan. 16.
Lock: *See*—
Door lock. Window lock.
Logging device. E. C. Adolphe. 2,187,440; Jan. 16.
Loom and vibration control therefor. N. A. Batchelder. 2,187,510; Jan. 16.
Loom harness mechanism. C. D. Brown. 2,187,699; Jan. 16.
Lubricating apparatus. A. P. Fox and V. G. Klein. 2,187,684; Jan. 16.
Lubricating apparatus. W. A. Kropp. 2,187,608; Jan. 16.
Lubrication. A. W. Lewis. 2,187,353; Jan. 16.
Luminescent materials, Treating. W. Flechsig. 2,187,022; Jan. 16.
Lunch box. S. H. Douglass. 2,187,196; Jan. 16.
Machine for applying closures of thin flexible material to containers. I. L. Wilcox. 2,187,190; Jan. 16.
Machine for beating and dressing furs and the like. S. Haskin. 2,187,543; Jan. 16.
Machine for flocking. R. E. Fogg. 2,187,617; Jan. 16.
Magazine, Safety razor blade. S. H. Benjamin. 2,187,370; Jan. 16.
Magnet chuck and demagnetizer, Permanent. S. Karasick. 2,187,240; Jan. 16.
Magnetron. K. Frits. 2,187,149; Jan. 16.
Manifolding device. C. W. Brenn. 2,187,698; Jan. 16.
Manifolding machine. C. W. Brenn. 2,187,697; Jan. 16.
Masonry structures, Method of and means for repairing. B. J. Many. 2,187,324; Jan. 16.
Massage implement. T. J. Reilly. 2,187,560; Jan. 16.
Mat. W. G. Grossman and H. F. Carpenter. 2,187,620; Jan. 16.
Mat, Absorbent floor. J. W. Blewen. 2,187,676; Jan. 16.
Material spreading machine. F. E. Currivan and C. W. Brown. 2,187,448; Jan. 16.
Material, Treatment of waste. A. W. Lissauer. 2,187,501; Jan. 16.
Materials testing machine. R. W. Dinzl. 2,187,345; Jan. 16.
Matrix. O. R. Brandenburg. 2,187,260; Jan. 16.
Meat table. C. Goodlake. 2,187,312; Jan. 16.

Mechanical movement. A. A. Lane. 2,187,659; Jan. 16.
Metal, Making sheet. R. J. Wean. 2,187,595; Jan. 16.
Metallic element and making same. R. P. Koehring. 2,187,086; Jan. 16.
Mica products, Manufacturing high temperature. W. A. Boughton and W. R. Mansfield. 2,186,954; Jan. 16.
Mill: *See*—
Grinding mill.
Mining apparatus. E. M. Cadwallader. 2,187,700; Jan. 16.
Mirror construction. J. W. Anderson. 2,187,582; Jan. 16.
Mixing bowl fastener. C. Kühnel. 2,187,426; Jan. 16.
Mold skin drier. F. M. Kulka. 2,187,161; Jan. 16.
Molding machine. G. Walther. 2,187,255; Jan. 16.
Molybdenum ores and products resulting therefrom, Treating. J. D. Sullivan and D. Niconoff. 2,187,468; Jan. 16.
Money carrier. W. C. Voss. 2,186,943; Jan. 16.
Mop, Dish. W. Tamminga. 2,187,686; Jan. 16.
Motor: *See*—
Electric motor. Wave motor.
Electromagnetic motor.
Motor construction, Electric. E. O. Schweitzer, Jr. 2,187,179-80; Jan. 16.
Motor reversing mechanism, Fluid operated. M. V. E. Thompson. 2,187,549; Jan. 16.
Motorcycle and the like. T. P. Judd. 2,187,238; Jan. 16.
Mount for electron discharge devices. C. P. Vogel. 2,187,107; Jan. 16.
Mount, Wheel and tire. J. E. Gillespie. 2,187,557; Jan. 16.
Mounting: *See*—
Dashboard fuse mounting.
Mounting for abrasive wheels, Resilient. P. L. Kuzmick. 2,187,350; Jan. 16.
Mounting for guns, Telescope. J. H. Redfield. 2,187,054; Jan. 16.
Mufflers, Assembling. H. S. Powell. 2,187,431; Jan. 16.
Music, Method and apparatus for the production of. B. F. Miessner. 2,187,611-12; Jan. 16.
Musical instrument, Electrical. V. H. Severy. 2,187,251; Jan. 16.
Neckband loop. W. A. Keys. 2,187,349; Jan. 16.
Needle, Hypodermic. G. E. Barnhart. 2,187,259; Jan. 16.
Needle, Knitting. H. S. Kohler. 2,187,039; Jan. 16.
Net, Minnow. G. W. McIntire. 2,187,460; Jan. 16.
Nodulizing. D. Glaxner. 2,187,601; Jan. 16.
Oil burner. E. T. Brace. 2,187,220; Jan. 16.
Oil burner. R. F. Regnier. 2,187,055; Jan. 16.
Oil gauge. J. H. Caddell. 2,187,300; Jan. 16.
Oil, Treatment of hydrocarbon. J. C. Morrell. 2,187,048; Jan. 16.
Oils, Apparatus for treating hydrocarbon. C. W. Stratford. 2,187,466; Jan. 16.
Oils, Producing lubricating. N. Geiser and H. Goethel. 2,187,704; Jan. 16.
Oiler for air tools. O. A. Kehle. 2,187,241; Jan. 16.
Opener, Envelope. N. A. G. Söderlind. 2,187,634; Jan. 16.
Optical system. J. Bergmans. 2,187,071; Jan. 16.
Order indicator. G. A. Novak and G. Williams. 2,187,327; Jan. 16.
Ornamental box. J. M. Shields, Jr. 2,187,183; Jan. 16.
Ornamental flower holder. E. C. Gebs. 2,187,450; Jan. 16.
Overalls. J. I. Chait and H. Raak. 2,187,447; Jan. 16.
Package, Shipping. F. N. Libbey. 2,187,382; Jan. 16.
Packer and spreader for pulp mills, Chip. C. K. A. Rudd. 2,187,330; Jan. 16.
Packer, Well. R. C. Baker and C. E. Burt. 2,187,481; Jan. 16.
Packer, Well. G. F. Stamps. 2,187,635; Jan. 16.
Packet, Multiple copy form. A. H. Reiber. 2,187,056; Jan. 16.
Padding. J. R. Crockford. 2,187,343; Jan. 16.
Paper slitter. D. R. McKinley and P. J. Van Norden. 2,187,211; Jan. 16.
Paper, Stiffening. C. G. Young. 2,187,294; Jan. 16.
Pasteboard printing frame. J. Lane. 2,187,381; Jan. 16.
Pen, Fountain. L. and A. Kohler. 2,187,160; Jan. 16.
Pen, Fountain. R. T. Wing. 2,187,528; Jan. 16.
Photoelectric tube. H. M. Biele. 2,187,484; Jan. 16.
Photographs, Making. O. Vierling. 2,186,942; Jan. 16.
Photographic apparatus. B. J. Foy. 2,187,709; Jan. 16.
Pictures, Unitary system for transmitting color and black-white. W. G. H. Finch. 2,187,374; Jan. 16.
Pigment and producing the same, Treated. A. Lightbody. 2,187,130; Jan. 16.
Pigments, Producing titanium. G. D. Patterson. 2,187,050; Jan. 16.
Pile, Concrete bearing. G. G. Greulich. 2,187,318; Jan. 16.
Pile construction, Bearing. G. G. Greulich. 2,187,313; Jan. 16.
Pile repair unit. J. L. Brumley. 2,187,677; Jan. 16.
Pipe: *See*—
Tobacco pipe.
Pipe and coupling, Irrigation. E. B. Fish. 2,187,119; Jan. 16.
Pipe connections, Device for making drill. L. J. Hopkins. 2,187,399; Jan. 16.
Pipe joint. F. G. Winslow. 2,187,217; Jan. 16.
Pipe perforating machine. J. O. Tow. 2,187,550; Jan. 16.
Pipe, tubing, and conduit coupling. J. N. Ice. 2,186,974; Jan. 16.
Pitter, Depth gauging peach. A. R. Thompson and R. Fox. 2,187,063; Jan. 16.
Plastic material. J. Söll. 2,187,185; Jan. 16.
Plastic material and articles, and apparatus therefor, Curing. H. C. Lord. 2,187,165; Jan. 16.
Plastering system. M. M. Cory. 2,187,223-4; Jan. 16.
Plate-finishing machine, Full automatic. H. C. Behrens. 2,187,444; Jan. 16.
Plate registering and trimming machine. I. Tornberg. 2,187,106; Jan. 16.
Plow. S. Kaltoft. 2,187,380; Jan. 16.
Plow, Rock. C. A. Cox. 2,187,302; Jan. 16.
Plug: *See*—
Attachment plug. Spark plug.
Bridge plug.
Pneumatic device. W. B. Ellwood. 2,187,114; Jan. 16.
Polishing machine. D. E. Mulholland. 2,187,462-3; Jan. 16.
Polystyrol composition. S. M. Stoesser. 2,187,695; Jan. 16.
Portable boiler. J. M. Shimer. 2,187,632; Jan. 16.
Portable drill. H. P. Chandler. 2,187,111; Jan. 16.
Power plant, Oil field. A. L. Stone, A. E. Rice, and J. H. Appleton. 2,186,999; Jan. 16.
Power take-off for food mixers. W. B. Kochner. 2,187,272; Jan. 16.
Power transmitter, Hydraulic. J. N. Kiep and H. Sinclair. 2,187,656; Jan. 16.
Power transmitter, Hydraulic. H. Sinclair and A. C. Basebe. 2,187,667; Jan. 16.
Power transmitting coupling. M. F. A. Julien. 2,187,706; Jan. 16.
Press: *See*—
Hydraulic press.
Pressure fluid operated tool. E. H. Shaff. 2,187,502; Jan. 16.
Printer's gauge. J. G. Cook. 2,187,554; Jan. 16.
Printing apparatus. E. Komusin. 2,187,456; Jan. 16.
Printing method, Two-tone gravure. F. George. 2,187,420; Jan. 6.
Propeller connection and control. J. B. Reinhard and L. J. Koch. 2,186,992; Jan. 16.
Protector: *See*—
Skate protector.
Puff and making same, Deodorant. W. Langer. 2,187,163; Jan. 16.
Pulley, Variable speed. P. Whitcomb. 2,187,188; Jan. 16.
Pump: *See*—
Deep well pump. Throttling pump.
Rotary pump. Trotting pump.
Pumping apparatus. H. E. Grau. 2,186,968; Jan. 16.
Pumping apparatus. A. E. Hambly. 2,186,970; Jan. 16.
Pumping apparatus. A. Hollander and W. F. Mayer. 2,186,972; Jan. 16.
Pumping apparatus. W. F. Mayer. 2,186,983; Jan. 16.
Push-broom-type vacuum cleaner. W. Leathers. 2,187,164; Jan. 16.
Pusher. S. B. Martin. 2,187,089–90; Jan. 16.
Rack for refrigerator cars, Floor. C. D. Bonsall. 2,187,219; Jan. 16.
Radio beacon system. E. Gerhard. 2,187,618; Jan. 16.
Radio beacon system. F. Pope. 2,187,097; Jan. 16.
Radio transmitter. N. I. Hall. 2,187,603; Jan. 16.
Rail, Repaired railroad. H. S. George. 2,186,967; Jan. 16.
Rails, Producing. H. S. George. 2,186,966; Jan. 16.
Razor cleaning device. J. P. Fleckenstine. 2,187,491; Jan. 16.
Receptacle: *See*—
Hydraulic receptacle.
Receptacle cover. R. C. Ingersoll and R. H. Sullivan. 2,187,154; Jan. 16.
Receptacle for vacuum cleaners, Dust. E. C. Poynter. 2,187,052; Jan. 16.
Reel: *See*—
Stripper reel.
Refrigerating apparatus. H. A. Collins. 2,187,470; Jan. 16.
Refrigerating apparatus. C. F. Henney. 2,187,569; Jan. 16.
Refrigerating apparatus. J. Karmazin. 2,187,035; Jan. 16.
Refrigerating apparatus. G. S. McCloy. 2,186,984; Jan. 16.
Refrigerating apparatus. N. J. Smith. 2,187,061; Jan. 16.
Refrigerating apparatus. C. S. Trigg and E. F. Schweller. 2,187,387; Jan. 16.
Refrigerating apparatus. W. G. Winkler. 2,187,389; Jan. 16.
Refrigeration. P. J. Lammers and A. F. Laible. 2,187,041; Jan. 16.
Refrigerator. A. Katzow. 2,187,497; Jan. 16.
Refrigerator car. V. E. West. 2,187,291; Jan. 16.
Refrigerator structure. G. R. Loveless. 2,187,274; Jan. 16.

Registering and clamping mechanism. H. A. W. Wood and P. R. Long. 2,187,293; Jan. 16.
Regulator: *See*—
Automatic speed regulator. Temperature regulator.
Remote control system. P. H. Crago. 2,187,414; Jan. 16.
Resin composition. H. A. Gardner and A. Kirkpatrick. 2,187,199; Jan. 16.
Resin, Laminating with a urea formaldehyde. O. R. Ludwig. 2,187,383; Jan. 16.
Resin, Synthetic. H. A. Bruson and J. W. Eastes. 2,187,565; Jan. 16.
Resins, Plasticizing nitrogenous. H. A. Bruson. 2,187,566; Jan. 16.
Retractable alighting gear. I. M. Laddon, W. A. Ring, and H. I. Mandolf. 2,187,040; Jan. 16.
Road building machine. J. N. Heltzel. 2,187,080; Jan. 16.
Roll casting. F. C. T. Daniels. 2,187,416; Jan. 16.
Roll deflection, Compensating for. T. Sendsimir. 2,187,250; Jan. 16.
Rolls, Making. F. C. T. Daniels. 2,187,415; Jan. 16.
Roof construction, Furnace. D. W. Stewart. 2,187,669; Jan. 16.
Roof, Silo. J. Cowin. 2,187,616; Jan. 16.
Roofing structure and tile therefor. W. R. Simons and R. G. Blessing. 2,187,404; Jan. 16.
Roofing unit, Interlocking. W. L. Rowe. 2,187,139; Jan. 16.
Room construction, Fitting. C. F. Thumm. 2,187,408; Jan. 16.
Rosary, Mechanical. J. L. Rogus. 2,187,664; Jan. 16.
Rubber, Preservation of. J. R. Ingram. 2,187,155; Jan. 16.
Safety and indicating mechanism for elevators. J. C. A. and A. C. G. Anderson. 2,187,390; Jan. 16.
Safety block. M. P. Palsson. 2,187,361; Jan. 16.
Safety snatch block. A. M. Hill. 2,187,268; Jan. 16.
Salter, Meat. G. H. Harper. 2,187,687; Jan. 16.
Sash from its frame, Loosening a window. J. Waldheim. 2,186,944; Jan. 16.
Sash, Twin. C. E. Grigsby. 2,187,078; Jan. 16.
Screen: *See*—
Hammer screen.
Seal for windows and doors, Pressure. H. Lorenz. 2,187,459; Jan. 16.
Sealing means for shafts. A. Kingsbury. 2,187,084; Jan. 16.
Seat: *See*—
Control seat.
Section switch. A. H. Genter. 2,187,310; Jan. 16.
Self-lubricating bearing. E. B. Merriman. 2,187,626; Jan. 16.
Separator: *See*—
Egg separator.
Separator. G. Darrieus. 2,187,646; Jan. 16.
Setting-out board. W. C. Johnson. 2,187,157; Jan. 16.
Sewing attachment, Button. V. J. Muszynski. 2,187,137; Jan. 16.
Sewing machine. C. A. O. Grip. 2,187,235; Jan. 16.
Sewing machine. J. H. Pikul. 2,187,248; Jan. 16.
Shaft, Collapsible. A. Potdevin. 2,187,138; Jan. 16.
Sharpening device. J. Frei, Jr. 2,187,231; Jan. 16.
Shaver, Dry. R. Knapp. 2,187,271; Jan. 16.
Shearing clamp. H. Wang. 2,187,337; Jan. 16.
Shearing mechanism. M. Morgan. 2,187,091; Jan. 16.
Sheet, Bed. A. Fridolph. 2,186,965; Jan. 16.
Sheet feeding machine. A. W. Nelson. 2,186,986; Jan. 16.
Sheet feeding mechanism. R. S. Harm. 2,187,123; Jan. 16.
Shield, Frost. J. R. Thorp. 2,187,000; Jan. 16.
Shield, Glare. O'D. K. Harvey. 2,187,027; Jan. 16.
Shield, Translucent light. T. E. Kiernan. 2,187,127; Jan. 16.
Shock absorbing mechanism. G. A. Johnson. 2,187,156; Jan. 16.
Shoe. D. E. Spatheif. 2,187,103; Jan. 16.
Shoe holder. R. G. Reiter and O. P. Frilseth. 2,187,663; Jan. 16.
Shoe stiffeners, Making. R. Almy. 2,187,005; Jan. 16.
Siding for silos, Metal. P. Rutten. 2,187,282; Jan. 16.
Sight for firearms, Adjustable. E. S. Pomeroy. 2,187,096; Jan. 16.
Sign. I. V. Mansell. 2,186,982; Jan. 16.
Signal: *See*—
Automotive signal.
Temperature warning signal.
Signal receiving system, Superheterodyne. P. D. Lowell. 2,186,980; Jan. 16.
Signaling and alarm device. H. Reichert. 2,187,628; Jan. 16.
Signaling system. V. P. Thorp. 2,187,104; Jan. 16.
Sink, Kitchen. R. Stein. 2,186,998; Jan. 16.
Skate protector. L. D. and A. L. Rhoades. 2,187,629; Jan. 16.
Slat, Venetian blind. T. A. Graves. 2,187,121; Jan. 16.
Slide mechanism for automatic metalworking machines, Forming or cross. A. E. Drissner. 2,187,681; Jan. 16.
Slide mechanism, Independent cross. A. E. Drissner. 2,187,682–3; Jan. 16.
Slug detector. W. C. Mitchell. 2,186,985; Jan. 16.
Snap hook. J. B. Baxter. 2,187,441; Jan. 16.
Socket, Double eyelet. H. C. Appel. 2,187,296; Jan. 16.
Soil adjuvant. M. Leatherman. 2,187,532; Jan. 16.
Spark plug, Multiple seal. A. A. Kasarjian. 2,187,472; Jan. 16.
Spectacle case. R. F. Schutz. 2,187,176–8; Jan. 16.
Speed pulley generator. G. A. Shackelford. 2,187,181; Jan. 16.
Splint, Crutch. W. Kelton and J. W. Fischer. 2,187,323; Jan. 16.
Spool bracket. G. Strocco and P. Gusmarino. 2,187,386; Jan. 16.
Spray, Dental. W. J. Hooper. 2,187,586; Jan. 16.
Spraying apparatus. F. W. Guibert. 2,187,376; Jan. 16.
Spring contact. F. Forsman. 2,187,023; Jan. 16.
Sprinkler, Condiment. L. W. Nerney. 2,187,245; Jan. 16.
Spud, Lock seamed. H. M. Sheridan. 2,187,503; Jan. 16.
Stand: *See*—
Display stand.
Stay for doors of motor vehicles and the like. T. H. Butchart. 2,187,553; Jan. 16.
Steam distribution and control for locomotives. J. C. Maris. 2,187,571; Jan. 16.
Steering wheel. E. M. Bright. 2,187,193; Jan. 16.
Steering wheel construction, Automobile. H. A. Husted. 2,187,604; Jan. 16.
Stitching device, Blind. J. Jordan. 2,187,237; Jan. 16.
Stock fastening means. D. E. Bost. 2,187,640; Jan. 16.
Stoker. W. Mitchell. 2,187,520; Jan. 16.
Stone, Dressing of individual blocks of. O. W. Burkhardt. 2,187,299; Jan. 16.
Stop valve. G. J. Oestreicher. 2,187,477; Jan. 16.
Stopper tops and the like, Apparatus for making. A. B. Dodge. 2,187,680; Jan. 16.
Storage tank gauge. D. McDonald. 2,187,210; Jan. 16.
Stove. H. E. Mills. 2,187,169; Jan. 16.
Stove and the like, Blast furnace. E. H. Younglove. 2,187,191; Jan. 16.
Stove or range. C. H. and R. F. Hoffstetter. 2,187,320; Jan. 16.
Straightening machine. W. Gigliotti. 2,187,649; Jan. 16.
Strainer. S. S. Starsec and Y. V. Sims. 2,187,435; Jan. 16.
Stripper reel. L. Young and A. A. Boyle. 2,187,580; Jan. 16.
Structure, Portable. G. Thofehrn and H. Rauchholz. 2,187,436; Jan. 16.
Structure, Rimmed. E. C. Bullock. 2,187,263; Jan. 16.
Stylus, Recording. F. L. Capps. 2,187,512; Jan. 16.
Sugar and making the same, Uncrystallizable. C. G. Guth. 2,187,122; Jan. 16.
Sulphonates, Preparation of organic. A. C. Bell, G. D. Miles, and K. L. Russell. 2,187,144; Jan. 16.
Sulphonation. V. Mills. 2,187,244; Jan. 16.
Support: *See*—
Armature support. Trolley wire support.
Support for neck bearing of centrifugal separators. T. H. Miller. 2,187,359; Jan. 16.
Surface cooler. A. O. Flindt. 2,187,555; Jan. 16.
Switch: *See*—
Electric switch. Section switch.
Switch construction, Stack. B. E. Shaw. 2,187,284; Jan. 16.
Switch control. J. Q. Henry. 2,187,202; Jan. 16.
Switch mechanism, Time controlled. R. B. Foster. 2,186,964; Jan. 16.
Switching device. W. B. Ellwood and W. H. T. Holden. 2,187,115; Jan. 16.
Switching mechanism. S. J. Stockfleth. 2,187,577; Jan. 16.
Swivel joint. J. E. Englesson. 2,187,147; Jan. 16.
Table: *See*—
Drop leaf extension table. Ironing table.
Extension table. Meat table.
Teapot. S. E. Hevers. 2,187,029; Jan. 16.
Telegraph sending machine. J. A. La Hiff. 2,187,351; Jan. 16.
Telegraph system. F. S. Kinkead. 2,187,158; Jan. 16.
Telegraph system and apparatus. P. L. Myer and E. R. Wheeler. 2,187,360; Jan. 16.
Telephone call distributing system. W. T. Powell. 2,187,174; Jan. 16.
Telephone system. B. A. Wallace. 2,187,186; Jan. 16.
Telephone system. H. Wüstenberg. 2,187,508; Jan. 16.
Telephone system, Automatic. M. Langer and G. Zapf. 2,187,499; Jan. 16.
Telephone system, Automatic. E. Wochinger. 2,187,478; Jan. 16.
Temperature regulator. M. Döring. 2,187,418; Jan. 16.
Temperature warning signal. J. Grace. 2,187,346; Jan. 16.
Template, Flexible. E. R. Leary. 2,187,087; Jan. 16.
Tensioning tool. B. N. Bletso. 2,187,298; Jan. 16.
Textile materials, Manufacture of artificial. A. Mellor. 2,187,358; Jan. 16.
Textile materials, Treatment of. G. Schneider and W. Whitehead. 2,187,365; Jan. 16.
Therapeutic device. R. O. McAssey. 2,187,168; Jan. 16.
Thread and producing same, Artificial. A. Formhals. 2,187,306; Jan. 16.
Throttle governor. L. Langhaar. 2,187,243; Jan. 16.
Throttling pump. G. A. Gillen. 2,187,151; Jan. 16.
Ticket, Theater. B. H. Freedman. 2,187,685; Jan. 16.
Tie machine, Bale. G. W. Whittington. 2,187,216; Jan. 16.

Tile construction, Building. E. A. Roney and J. E. Mangine. 2,187,329; Jan. 16.
Time control device, Radio receiving set. T. A. Cheney. 2,187,373; Jan. 16.
Time measuring apparatus. C. E. Staples. 2,187,406; Jan. 16.
Tobacco pipe. B. H. Tyler. 2,187,288; Jan. 16.
Toboggan. J. J. Wanat. 2,187,437; Jan. 16.
Toilet apparatus, Vibrating. P. E. Erickson. 2,187,076; Jan. 16.
Toilet seat cover dispenser. W. G. Lemmon and A. Stowers. 2,187,352; Jan. 16.
Tool: *See*—
Pressure fluid operated tool. Tensioning tool.
Tube chamfering tool.
Tool handle. A. P. Albrecht. 2,187,192; Jan. 16.
Tool or the like, Well. L. H. Kirkpatrick. 2,187,037; Jan. 16.
Tooth brush supporting device for tooth massaging apparatus. P. E. Erickson. 2,187,077; Jan. 16.
Toy, Action. H. G. Fisher. 2,186,936; Jan. 16.
Toy railway rolling stock. V. N. Kisling. 2,187,085; Jan. 16.
Toy railway system. A. A. Johnson. 2,187,424; Jan. 16.
Tractor construction. E. A. Johnston. 2,187,425; Jan. 16.
Tracing apparatus. F. Nigra. 2,187,574; Jan. 16.
Trail builder, bull dozer and the like. C. Le Bleu. 2,187,072; Jan. 16.
Trailer. I. F. Mellinger. 2,187,136; Jan. 16.
Transmission, Hydraulic. R. G. Ashburn and J. D. Lewis. 2,187,552; Jan. 16.
Trap: *See*—
Animal trap. Electrocuting trap.
Trap cleaner and force pump. J. L. McMillan. 2,187,043; Jan. 16.
Traveling case. M. de Botelho. 2,187,445; Jan. 16.
Tray, Ice. S. W. E. Anderson. 2,187,141; Jan. 16.
Tray, Ice. F. P. Kelper. 2,187,083; Jan. 16.
Trialkylacetamides having saturated alkyl groups and making the same. K. Junkmann and H.-G. Allardt. 2,186,976; Jan. 16.
Trolley conveyer. E. E. Landahl. 2,187,498; Jan. 16.
Trolley wire support. A. H. Genter. 2,187,309; Jan. 16.
Trolley wire support. A. H. Genter. 2,187,311; Jan. 16.
Truck, Car. J. A. Shafer. 2,187,182; Jan. 16.
Truck, Car. J. A. Shafer. 2,187,434; Jan. 16.
Truck, Industrial. E. J. Dunham. 2,187,197; Jan. 16.
Truss for roofs, Wooden. W. C. Beattie. 2,187,009; Jan. 16.
Tube: *See*—
Photoelectric tube. Vacuum tube.
Tube chamfering tool. F. G. Brown. 2,187,221; Jan. 16.
Tube for microwaves or ultra-short waves, Vacuum. K. Okabe. 2,187,171; Jan. 16.
Tube head, Lenard ray. E. A. Kern, S. L. Clothier, and H. C. Hogencamp. 2,187,126; Jan. 16.
Tube, Producing a photoelectric. P. Görlich. 2,187,234; Jan. 16.
Tubes, Sealing collapsible. M. Hallead. 2,187,516; Jan. 16.
Tubing, Apparatus for finishing welded. J. B. Borgadt. 2,187,485; Jan. 16.
Turn-over door. A. T. Prescott. 2,187,363; Jan. 16.
Turbine, Elastic fluid. D. J. Bloomberg. 2,186,952; Jan. 16.
Twine supply to harvesting mechanism, Device for stabilizing binder. C. MacKinnon. 2,186,981; Jan. 16.
Typographical composing machine. H. H. Connor. 2,187,112; Jan. 16.
Typographical machine. C. E. Murray. 2,187,278; Jan. 16.
Umbrella. L. A. Capaldo. 2,187,372; Jan. 16.
Urea acetal condensation product and producing the same, Dimethylol. T. S. Hodgins and A. G. Hovey. 2,187,081; Jan. 16.
Vacuum cleaner. A. Eriksson-Jons. 2,187,654; Jan. 16.
Vacuum tube. K. Okabe. 2,187,172; Jan. 16.
Valve: *See*—
Container valve. Stop valve.
Crankcase drain valve.
Valve. J. C. Williams. 2,187,257; Jan. 16.
Valve for hydraulic presses, Prefill. E. Cannon. 2,187,371; Jan. 16.
Valve latch. J. M. V. Ficklin. 2,187,118; Jan. 16.
Valve operating mechanism. L. W. Young. 2,187,581; Jan. 16.
Valve tappet. H. M. Lochrane. 2,187,661; Jan. 16.
Vanillin, Manufacture of. L. Schulz. 2,187,366; Jan. 16.
Vehicle: *See*—
Automotive vehicle.
Vehicle brake. M. Davis. 2,187,226; Jan. 16.
Vehicle delivery body. F. H. Field. 2,187,419; Jan. 16.
Vehicle jack, Motor. L. A. Moreau. 2,187,533; Jan. 16.
Vehicle track chain. H. A. Knox. 2,186,978–9; Jan. 16.
Vehicle wheel. H. J. Horn and J. H. Hunt. 2,187,032; Jan. 16.
Vending machine. J. W. Gurley. 2,187,568; Jan. 16.
Vermiculite and similar minerals, Exfoliating. C. H. Butler. 2,187,538; Jan. 16.
Vibrator. G. L. Malan. 2,187,088; Jan. 16.
Visible mechanism for slot machines. C. B. Plissner. 2,187,362; Jan. 16.
Vulcanizer, Continuous. A. L. Wallace. 2,187,253–4; Jan. 16.
Wall for railway cars, End. G. G. Gilpin. 2,187,025; Jan. 16.
Wall structure, Metallic. J. A. Bohnsack and T. V. Balch. 2,186,953; Jan. 16.
Wallets. P. Florin. 2,187,375; Jan. 16.
Wardrobe cabinet, Collapsible. J. L. Wolf. 2,187,004; Jan. 16.
Washfountain, Foot controlled. H. A. Mullett. 2,187,521; Jan. 16.
Watch, Side wrist. B. S. Katz. 2,187,205; Jan. 16.
Wave-forming device for buffs. L. M. Hague. 2,187,602; Jan. 16.
Wave motor. L. F. Carter. 2,187,678; Jan. 16.
Wear compensating device. E. J. Story. 2,187,636; Jan. 16.
Weather strip. R. L. Mounsdon. 2,187,476; Jan. 16.
Weather strip, Making. C. A. Tea. 2,187,505; Jan. 16.
Weft inserting device for weaving looms having a continuous weft supply. R. Dewas. 2,187,344; Jan. 16.
Welding machine, Electric flash. S. H. Gordon and W. F. Young. 2,187,452; Jan. 16.
Well cementing apparatus. R. C. Baker. 2,187,480; Jan. 16.
Well cementing apparatus. R. C. Baker. 2,187,483; Jan. 16.
Well fluid, Means and method of sampling. K. H. Miner. 2,187,047; Jan. 16.
Well survey instrument case. R. E. Hendrickson. 2,187,028; Jan. 16.
Wheel: *See*—
Game wheel. Vehicle wheel.
Steering wheel.
Wheel construction, Band. J. B. Picard. 2,187,693; Jan. 16.
Wheel structure. W. C. Short, R. G. Howie, and M. C. Wiley. 2,186,996; Jan. 16.
Wheel truing mechanism. R. E. Flanders. 2,187,228; Jan. 16.
Wheel-truing mechanism. R. E. Flanders and L. M. Davis. 2,187,229; Jan. 16.
Window construction for automobiles, Double. P. Pieri. 2,186,990; Jan. 16.
Window construction for vehicle bodies. T. P. Lohrman. 2,186,937; Jan. 16.
Window frame and storm sash. E. G. Sampson. 2,187,561; Jan. 16.
Window lock. F. F. Larson. 2,187,660; Jan. 16.
Wiper accessory, Windshield. L. W. Faulkner. 2,187,117; Jan. 16.
Wire ends, Device for use in connecting. W. A. R. Meyer. 2,186,963; Jan. 16.
Wire or rod connector. L. Frank. 2,187,230; Jan. 16.
Wire stitching machine. J. N. Pagliarul. 2,187,522; Jan. 16.
Wood, Treating ground. K. A. Craig. 2,187,016; Jan. 16.
Work handling apparatus for machine tools and the like. E. W. Baker. 2,187,297; Jan. 16.
Yeast, Preserving. J. C. Matti. 2,187,357; Jan. 16.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 16, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 15: 2,187,522
46.1: 2,187,692
2— 8: 2,187,542
168: 2,187,430
227: 2,187,447
4— 166: 2,187,521
242: 2,187,352
252: 2,187,676
291: 2,186,998
5— 77: 2,187,013
86: 2,187,198
8— 49: 2,187,453
61: 2,187,365
104: 2,187,016
130: 2,187,358
10— 129: 2,187,297
12— 31.5: 2,187,150
33: 2,186,961
51: 2,187,142
128.6: 2,187,663
146: 2,187,631
15— 9: 2,187,654
16: 2,187,164
104.05: 2,187,043
122: 2,187,686
131: 2,187,585
218: 2,187,491
250: 2,187,117
16— 80: 2,187,100
85: 2,187,531
142: 2,187,099
18— 6: 2,187,253
2,187,254
8: 2,187,306
17: 2,187,165
30: 2,187,212
34.1: 2,187,260
54: 2,187,534
56: 2,187,294
67: 2,187,146
19— 56: 2,187,673
66: 2,187,567
20— 1.4: 2,187,282
8: 2,187,672
19: 2,187,363
40.6: 2,187,281
42: 2,187,464
55: 2,187,561
56.1: 2,187,078
68: 2,187,459
69: 2,187,476
78: 2,187,620
22— 70: 2,187,239
79: 2,186,938
87: 2,187,161
163: 2,187,255
201: 2,187,415
2,187,416
23— 24: 2,187,468
102: 2,187,108
206: 2,187,393
24— 50: 2,187,349
73: 2,187,321
2,187,322
81: 2,186,943
102: 2,186,955
115: 2,187,007
123: Re.21,327
129: 2,187,325
205: Re.21,325
214: 2,187,303
220: 2,187,296
221: 2,187,426
236: 2,187,441
243: 2,187,166
2,187,650
257: 2,187,077
25— 120: 2,187,562
26— 56: 2,187,644
63: 2,187,649
29— 21: 2,187,106
2,187,444
29— 37: 2,187,681
2,187,682
2,187,683
61: 2,187,089
62: 2,187,090
2,187,170
76: 2,186,997
2,187,292
149.5: 2,187,096
2,187,348
155.55: 2,187,023
157.4: 2,187,431
169: 2,186,966
176: 2,187,020
30— 2: 2,187,590
40: 2,187,370
91: 2,187,215
123: 2,187,395
129: 2,187,145
135: 2,187,655
201: 2,187,590
289: 2,187,534
32— 5: 2,187,457
33— 50: 2,187,054
56: 2,187,096
76: 2,187,574
130: 2,187,134
137: 2,187,087
152: 2,187,519
184.5: 2,187,554
205.5: 2,187,028
36— 2.5: 2,187,103
42: 2,187,167
75: 2,187,621
37— 2: 2,187,707
144: 2,187,072
38— 117: 2,187,593
2,187,607
40— 2: 2,186,940
10: 2,187,192
130: 2,186,982
42— 73: 2,187,548
75: 2,187,640
43— 7: 2,187,460
46: 2,187,475
2,187,609
48: 2,187,666
83.5: 2,187,001
112: 2,187,400
131: 2,187,276
46— 13: 2,187,407
99: 2,186,936
47— 41: 2,187,450
61: Pl.Pt.353
Pl.Pt.354
48— 38: 2,187,587
49— 1: 2,187,094
2,187,432
51— 48: 2,187,289
50: 2,187,471
56: 2,187,062
78: 2,187,462
2,187,463
95: 2,187,227
98: 2,187,231
139: 2,187,131
168: 2,187,350
170: 2,187,271
193: 2,187,602
216: 2,187,544
278: 2,187,553
53— 1: 2,187,082
3: 2,187,029
2,187,187
10: 2,187,515
55— 138: 2,187,206
56— 313: 2,187,436
58— 88: 2,187,205
60— 1: 2,187,571
32: 2,187,342
52: 2,187,513
54: 2,186,966
60— 54: 2,187,069
2,187,656
2,187,667
61— 53: 2,187,314
2,187,315
2,187,317
2,187,319
2,187,677
56: 2,187,313
2,187,316
2,187,318
62— 4: 2,186,984
2,187,258
6: 2,187,061
2,187,307
2,187,569
8: 2,187,038
17: 2,187,290
2,187,291
20: 2,187,277
89: 2,187,274
2,187,387
102: 2,187,011
108.5: 2,187,063
2,187,141
116: 2,187,041
117: 2,187,398
119.5: 2,187,497
126: 2,187,035
136: 2,187,402
140: 2,187,470
142: 2,187,558
64— 11: 2,187,706
65— 45: 2,187,245
66— 80: 2,187,132
96: 2,186,971
117: 2,187,039
67— 7: 2,186,995
22.5: 2,187,053
53: 2,187,003
69— 11: 2,187,204
70— 145: 2,187,058
289: Re.21,320
71— 2: 2,187,532
72— 44: 2,187,329
106: 2,187,324
130: 2,187,223
2,187,224
73— 51: 2,186,948
2,187,409
2,187,514
299: 2,187,210
316: 2,187,300
74— 116: 2,187,520
128: 2,187,232
217: 2,187,368
230.9: 2,187,693
230.17: 2,187,188
260: 2,187,181
291: 2,187,643
326: 2,187,614
334: 2,187,465
389: 2,186,999
428: 2,187,272
479: 2,187,068
504: 2,187,118
522: 2,187,689
552: 2,187,193
2,187,604
75— 22: 2,187,589
122: 2,187,630
173: 2,187,379
77— 8: 2,187,111
73: 2,187,221
78— 39: 2,187,479
79— 17: 2,187,266
80— 38: 2,187,220
83— 18: 2,187,102
93: 2,187,278
84— 1.12: 2,187,611
2,187,612
1.14: 2,187,261
87— 5: 2,187,536
9: 2,187,353
88— 1.5: 2,187,057
2,187,246
17: 2,187,356
24: 2,187,071
54: 2,187,105
85: 2,187,362
96: 2,187,582
89— 27: 2,186,969
90— 15: 2,187,550
33: 2,187,485
91— 8: 2,187,376
2,187,617
18: 2,187,624
39: 2,187,670
2,187,671
68: 2,186,957
2,187,005
2,187,563
92— 27: 2,187,504
93— 1: 2,186,994
49: 2,186,977
94— 8: 2,187,428
2,187,500
45: 2,187,080
95— 5: 2,186,942
40: 2,187,449
44: 2,187,709
45: 2,187,093
61: 2,187,128
79: 2,187,381
97— 4: 2,187,302
29: 2,187,380
55: 2,187,051
2,187,262
59: 2,187,675
217: 2,187,443
99— 2: 2,187,501
77.1: 2,187,417
152: 2,187,688
205: 2,187,572
256: 2,187,687
101— 96: 2,187,200
120: 2,186,939
149: 2,186,945
2,186,946
157: 2,187,421
170: 2,187,420
316: Re.21,321
378: 2,187,293
103— 40: 2,187,385
41: 2,187,151
46: 2,187,679
52: 2,186,968
2,186,970
2,186,983
152: 2,186,972
218: 2,187,036
105— 193: 2,187,182
2,187,434
375: 2,187,219
410: 2,187,025
106— 27: 2,187,668
107— 8: 2,187,511
9: 2,187,214
54: 2,187,354
108— 8: 2,187,130
2,187,203
10: 2,187,404
23: 2,187,009
32: 2,187,616
110— 12: 2,187,201
99: 2,187,669
104: 2,187,627
105.5: 2,187,495
112— 76: 2,187,235
2,187,248
115: 2,187,137
140: 2,187,237
113— 112: 2,187,516
2,187,526
113— 121: 2,187,433
114— 16: 2,187,074
115— 1: 2,187,658
116— 135: 2,187,327
119— 20: 2,187,711
96: 2,187,021
98: 2,187,337
131: 2,187,461
120— 47: 2,187,160
50: 2,187,528
121— 19: 2,187,502
46.5: 2,187,114
2,187,371
194: 2,187,264
2,187,265
122— 438: 2,187,044
488: 2,187,646
510: 2,187,632
123— 66: 2,187,341
90: 2,187,008
2,187,661
125— 11: 2,187,228
2,187,229
2,187,690
13: 2,187,299
126— 37: 2,187,320
39: 2,187,169
127— 30: 2,187,122
128— 62: 2,187,076
2,187,500
87: 2,187,323
91: 2,187,175
221: 2,187,259
224: 2,187,586
236: 2,187,168
361: 2,187,125
129— 16: 2,187,113
26: 2,186,947
130— 30: 2,187,526
131— 215: 2,187,286
132— 36: 2,187,473
2,187,474
78.5: 2,187,163
92: 2,187,442
134— 1: 2,187,622
58: 2,187,050
60: 2,187,601
78: 2,187,130
135— 1: 2,187,436
24: 2,187,372
136— 11: 2,187,638
166: 2,187,539
137— 69: 2,187,257
93: Re.21,323
139: 2,187,247
144: 2,187,045
152: 2,187,243
153: 2,187,652
2,187,653
138— 44: 2,187,662
50: 2,187,347
139— 51: 2,187,540
79: 2,187,699
122: 2,187,344
391: 2,186,965
2,187,469
140— 73: 2,187,216
92.2: 2,187,267
112: 2,187,129
141— 1: 2,187,413
144— 136: 2,187,680
146— 2: 2,187,488
28: 2,187,063
33: 2,187,075
78: 2,187,262
2,187,326
102: 2,187,312
148— 11.5: 2,187,595
148— 16: 2,187,594
149— 12: 2,187,157
19: 2,187,073
24: 2,187,543
150— 36: 2,187,375
152— 375: 2,187,557
153— 32: 2,187,110
154— 2: 2,187,024
2,187,383
2,187,505
2.6: 2,186,954
45: 2,187,335
49: 2,187,140
54: 2,187,343
155— 46: 2,187,689
49: 2,187,713
156— 17: 2,187,121
2,187,242
2,187,639
24: 2,187,127
4: 2,187,220
158— 91: 2,187,261
116: 2,187,674
118: 2,187,010
159— 17: 2,187,030
161— 1: 2,187,406
164— 60: 2,187,211
68: 2,187,091
78: 2,187,162
124: 2,187,651
166— 1: 2,187,047
2,187,275
2,187,490
2,187,493
2,187,496
10: 2,187,635
12: 2,187,481
2,187,482
13: 2,187,487
19: 2,187,042
167— 52: 2,187,507
2,187,508
81: 2,187,467
169— 41: 2,187,098
170—135.6: 2,187,120
171— 95: 2,187,541
97: 2,187,018
2,187,648
119: 2,187,523
172— 36: 2,187,033
126: 2,187,576
239: 2,187,364
275: 2,187,179
278: 2,187,180
173— 328: 2,187,527
361: 2,187,489
174— 12: 2,187,116
28: 2,187,584
31: 2,187,143
87: 2,186,963
114: 2,187,213
121: 2,187,401
122: 2,187,391
175— 41.5: 2,187,017
367: 2,187,240
177— 7: 2,187,064
311: 2,187,551
314: 2,187,507
329: 2,187,194
178— 2: 2,187,104
3: 2,187,360
5.2: 2,187,374
44: 2,187,014
2,187,340
70: 2,187,158
82: 2,187,351
179— 5: 2,187,628
17: 2,187,186
26: 2,187,478
27: 2,187,174
2,187,495
27.54: 2,187,119

179—27.54: 2,187,577
42: 2,187,508
115.5: 2,187,236
171: 2,187,402
171.5: 2,186,958
180— 1: 2,187,425
30: 2,187,238
54: 2,187,410
181— 48: Re.21,324
183— 16: 2,187,645
21: 2,187,573
32: 2,187,066
51: 2,187,052
60: 2,187,546
184— 1: 2,187,608
55: 2,187,241
185— 41: 2,187,545
187— 24: 2,187,283
2,187,390
188— 65.1: 2,187,361
152: 2,187,226
189— 1: 2,187,148
2: 2,187,408
34: 2,186,953
40: 2,187,280
75: 2,187,490
190— 51: 2,187,445
191— 38: 2,187,311
39: 2,187,135
2,187,310
43: 2,187,309
45: 2,187,085
192— .02: 2,187,012
18: 2,187,636
60: 2,187,552
194— 8: 2,187,578
100: 2,186,985
195— 74: 2,187,357
196— 9: 2,187,631
10: 2,187,696
48: 2,187,048
78: 2,187,704
127: 2,187,708
197— 100: 2,187,592
198— 16: 2,187,189
170: 2,187,026
177: 2,187,498
199— 28: 2,187,112
42: 2,187,278
200— 6: 2,187,060
15: 2,186,949

200— 15: 2,186,950
31: 2,187,070
37: 2,187,373
52: 2,187,518
80: 2,187,202
2,187,207
83: 2,187,346
92: 2,187,369
116: 2,187,606
129: 2,187,427
137: 2,187,418
138: 2,187,269
2,187,284
166: 2,187,377
2,187,378
202— 169: 2,187,209
204— 11: 2,187,079
206— 6: 2,187,176
2,187,177
2,187,178
76: 2,187,183
209— 102: 2,187,101
129: 2,187,637
210— 57: 2,187,466
155: 2,187,435
164: 2,186,967
211— 49: 2,187,355
71: 2,187,506
212— 3: 2,187,439
2,187,714
71: 2,187,392
213— 32: 2,187,333
40: 2,187,156
223: 2,187,625
214— 17: 2,187,330
82: 2,187,419
95: 2,187,100
117: 2,187,657
215— 1: 2,187,559
22: 2,187,619
46: 2,187,454
47: 2,187,394
2,187,396
217— 17: 2,187,403
218— 0.5: 2,187,517
2: 2,187,647
219— 4: 2,187,452
10: 2,187,529
19: 2,186,941
2,187,000
2,187,196

220— 46: 2,187,154
73: 2,187,263
221— 32: 2,187,564
60: 2,187,256
62: 2,186,982
83: 2,187,684
223— 86: 2,187,091
91: 2,187,579
98: 2,187,535
224— 45: 2,187,494
225— 21: 2,187,153
40: 2,187,389
226— 86: 2,187,190
88: 2,187,429
96: 2,187,615
98: 2,187,332
228— 54: 2,187,533
56: 2,187,296
229— 15: 2,187,382
33: 2,186,973
37: 2,187,304
45: 2,187,305
230— 3: 2,187,712
114: 2,187,055
235— 78: 2,187,496
83: 2,187,664
101: 2,187,456
236— 15: 2,187,613
68: 2,187,124
237— 12.3: 2,186,968
238— 148: 2,186,967
240— 6.45: 2,187,308
41.35: 2,186,951
242— 71: 2,187,547
72: 2,187,138
77: 2,187,458
78: 2,187,580
135: 2,187,386
146: 2,186,981
244— 6: 2,187,295
17: 2,186,992
40: 2,187,446
50: 2,186,993
83: 2,187,152
102: 2,187,040
113: 2,186,991
134: 2,187,506
246— 3: 2,187,414
31: 2,187,424
41: 2,187,225
248— 5: Re.21,328

248— 21: 2,187,510
66: 2,187,222
121: 2,187,159
194: 2,187,059
223: 2,187,336
361: 2,187,270
250— 11: 2,187,015
2,187,097
2,187,588
2,187,618
17: 2,187,803
20: 2,186,964
2,186,980
27: 2,187,172
2,187,591
27.5: Re.21,326
2,187,107
2,187,126
2,187,149
2,187,171
2,187,234
33: 2,186,934
2,187,575
81: 2,187,022
166: 2,187,484
175: 2,187,184
251— 19: 2,187,665
97: 2,187,477
252— 1: 2,187,538
5: 2,187,388
253— 10: 2,187,678
78: 2,186,952
254— 51: 2,187,298
86: 2,187,533
93: 2,187,279
131: 2,186,944
187: 2,187,623
193: 2,187,268
255— 1: 2,187,367
23: 2,187,405
35: 2,187,399
51: 2,187,700
71: 2,187,037
72: 2,187,092
2,187,384
256— 13.1: 2,187,556
59: 2,187,641
257— 239: 2,187,555
259— 1: 2,187,088
56: 2,187,065
260— 2: 2,187,006

260— 32: 2,187,695
33: 2,187,566
42: 2,187,199
63: 2,187,585
70: 2,187,081
73: 2,187,570
228: 2,187,710
267: 2,187,701
2,187,702
2,187,703
2,187,705
398: 2,187,334
400: 2,187,144
411: Re.21,322
412.8: 2,187,208
459: 2,187,344
486: 2,187,604
513: 2,187,338
2,187,339
535: 2,186,975
560: 2,187,455
561: 2,186,976
577: 2,187,328
600: 2,177,366
660: 2,186,960
671: 2,187,034
725: 2,186,959
771: 2,187,185
809: 2,187,155
261— 30: 2,187,019
262— 30: 2,187,301
263— 19: 2,187,191
265— 14: 2,187,345
268— 1: 2,187,173
124: 2,187,095
271— 3: 2,186,986
44: 2,187,123
273— 95: 2,187,524
102.2: 2,187,422
106: 2,187,493
144: 2,187,046
274— 38: 2,187,512
275— 8: 2,187,448
277— 20: 2,187,581
280—11.35: 2,187,537
11.38: 2,187,629
18: 2,187,437
33.4: 2,187,136
33.44: 2,187,411
95: 2,187,197
96.1: 2,187,249

281— 15: 2,187,451
282— 3: 2,187,607
2,187,698
12: 2,187,056
283— 53: 2,187,685
285— 49: 2,187,803
96.3: 2,187,147
126: 2,186,974
157: 2,187,217
173: 2,187,119
286— 6: 2,187,084
287— 75: 2,187,230
292— 16: 2,187,412
152: 2,187,660
251: 2,187,605
275: 2,187,553
340: 2,187,530
294— 74: 2,187,440
87: 2,187,610
296— 44: 2,186,987
2,187,331
94: 2,186,990
97: 2,187,027
298— 1: 2,187,509
299— 67: 2,187,549
84: 2,187,049
88: 2,187,195
301— 6: 2,186,996
64: 2,187,032
304— 40: 2,187,642
305— 10: 2,186,978
2,186,979
308— 26: 2,187,359
2,187,600
47: 2,186,935
108: 2,187,307
239: 2,187,626
311— 42: 2,187,423
56: 2,187,133
71: 2,187,067
312— 86: 2,187,233
2,187,568
80: 2,187,218
144: 2,187,004
172: 2,187,002

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,186,936: 46— 99
2,186,939: 101— 120
2,186,946: 101— 149
2,186,959: 260— 725
2,186,966: 271— 3
2,186,990: 296— 94
2,187,011: 62— 102
2,187,012: 192— .02
2,187,038: 62— 8

2,187,041: 62— 116
2,187,061: 62— 6
2,187,066: 183— 32
2,187,068: 250— 1
2,187,155: 260— 809
2,187,161: 22— 87
2,187,184: 250— 175
2,187,197: 280— 95
2,187,220: 168— 4

2,187,251: 84— 1.14
2,187,257: 137— 69
2,187,258: 62— 4
2,187,273: 83— 93
2,187,280: 189— 40
2,187,316: 61— 56
2,187,320: 126— 37
2,187,324: 72— 106
2,187,325: 24— 129

2,187,358: 8— 130
2,187,359: 308— 26
2,187,368: 74— 217
2,187,371: 121— 46.5
2,187,385: 103— 40
2,187,394: 215— 47
2,187,396: 30— 123
2,187,421: 101— 157
2,187,458: 242— 77

2,187,464: 20— 42
2,187,466: 210— 57
2,187,471: 51— 50
2,187,495: 110— 105.5
2,187,519: 33— 152
2,187,572: 99— 205
2,187,600: 308— 26
2,187,611: 84— 1.12
2,187,612: 84— 1.12

2,187,613: 236— 15
2,187,645: 183— 16
2,187,655: 30— 135
2,187,694: 221— 83
2,187,695: 260— 32
2,187,706: 196— 127
2,187,712: 230— 3

U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adler Manufacturing Co. Incorporated, Louisville, Ky. Tables. Serial No. 425,263; Jan. 23. Class 32.
Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic papers. Serial No. 426,080; Jan. 23. Class 26.
American Disinfecting Company, Inc., Sedalia, Mo. Liquid floor wax. Serial No. 425,264; Jan. 23. Class 16.
American Fork & Hoe Company, The, Cleveland, Ohio. Hand tools. Serial No. 423,049; Jan. 23. Class 23.
Armour and Company of Delaware, Chicago, Ill. Washing compound. Serial No. 426,116; Jan. 23. Class 1.
Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electric circuit makers and breakers, switches, etc. Serial No. 425,221; Jan. 23. Class 21.
Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Vitamin K preparation. Serial No. 423,200; Jan. 23. Class 6.
Baker Furniture, Inc., Grand Rapids, Mich. Furniture. Serial No. 425,975; Jan. 23. Class 32.
Barth-Guttman Textile Corp'n., New York, N. Y. Piece goods, table cloths, napkins, etc. Serial No. 426,283; Jan. 23. Class 42.
Beacon Hill Undergarment Company, Boston, Mass. Women's undergarments and clothing. Serial No. 423,901; Jan. 23. Class 39.
Bestile Manufacturing Company, Ontario, Calif. Composition fiber wall covering. Serial No. 424,991; Jan. 23. Class 12.
Bloomingdale Bros., Inc., New York, N. Y. Suits, shoes, coats, etc. Serial No. 424,639; Jan. 23. Class 39.
Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. Serial No. 425,950; Jan. 23. Class 39.
Bowman, Hyman D., doing business as Share-It Sales Service, Pittsburgh, Pa. Printed stationery. Serial No. 423,654; Jan. 23. Class 37.
Brazee, Le Roy, doing business as Eze-Mee Products, Detroit, Mich. Preparation for the relief of minor pains, muscular aches and pains, etc. Serial No. 398,653; Jan. 23. Class 6.
Broemmel, George M., doing business as Broemmel's Pharmaceuticals, San Francisco, Calif. Preparation in capsule form, for the treatment of head colds etc. Serial No. 425,385; Jan. 23. Class 6.
Cardox Corporation, Chicago, Ill. Tank trucks. Serial No. 425,638; Jan. 23. Class 19.
Chedic, Walter C., doing business as Pacific Graphite Works, Oakland, Calif. Plumbago. Serial No. 414,142; Jan. 23. Class 1.
Claire Manufacturing Co., Chicago, Ill. Fly spray. Serial No. 403,495; Jan. 23. Class 6.
Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. Serial No. 418,868; Jan. 23. Class 6.
Colorbrite Textiles, Inc., New York, N. Y. Ticking. Serial No. 423,998; Jan. 23. Class 42.
Colorbrite Textiles, Inc., New York, N. Y. Ticking. Serial No. 424,029; Jan. 23. Class 42.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 426,607; Jan. 23. Class 6.
Cramerton Mills Inc., Cramerton, N. C. Piece goods. Serial No. 426,327; Jan. 23. Class 42.
Crochet Novelty Mills, Inc., New York, N. Y. Cigarette dispensers. Serial No. 423,459; Jan. 23. Class 8.
Curtis, Thomas S., Laboratories, Huntington Park, Calif. Cameras. Serial No. 418,921; Jan. 23. Class 26.
Day-Eze Products Company, Lexington, Ky. Bunion correctors. Serial No. 412,499; Jan. 23. Class 44.
Debnam, George R., doing business as Kuacol Chemical Co., Norfolk, Va. Antiseptic. Serial No. 423,415; Jan. 23. Class 6.
Debway Hats, Inc., New York, N. Y. Ladies' hats. Serial No. 425,989; Jan. 23. Class 39.
Defender Photo Supply Co., Inc., Rochester, N. Y. Sensitized photographic paper. Serial No. 423,087; Jan. 23. Class 26.
Denney, Frances, Philadelphia, Pa. Rouge and bath salts. Serial No. 426,084; Jan. 23. Class 6.
Dieges & Clust, New York, N. Y. Finger rings. Serial No. 425,461; Jan. 23. Class 28.
Eastman Kodak Company, Rochester, N. Y. Organic chemicals. Serial No. 425,329; Jan. 23. Class 6.
Electromatic Propeller Corporation, Los Angeles, Calif. Aircraft propellers. Serial No. 420,363; Jan. 23. Class 19.
Eze-Mee Products. (See Brazee, Le Roy.)
Famous-Barr Company. (See May Department Stores Company, The.)
Fawcett Publications, Inc., Greenwich, Conn. Humorous periodical. Serial No. 425,957; Jan. 23. Class 38.
Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. Serial No. 413,397; Jan. 23. Class 49.
Gallenkamp Stores Co., San Francisco, Calif. Shoes. Serial No. 425,884; Jan. 23. Class 39.
Ganem, Cesar, Rio de Janeiro, Brazil. Lotion for the hair. Serial No. 397,096; Jan. 23. Class 6.
General Ribbon Mills, Inc., New York, N. Y., and Dover, Del. Textile ribbons. Serial No. 426,290; Jan. 23. Class 42.
Giese, Otto E., doing business as August Giese & Son, New York, N. Y. Filtering materials. Serial No. 425,736; Jan. 23. Class 31.
Glass & Co. Dress Corp., New York, N. Y. Lace in piece goods. Serial Nos. 426,333–4; Jan. 23. Class 42.
Glen-Kel Publishing Co. Inc., New York, N. Y. Magazine. Serial No. 423,945; Jan. 23. Class 38.
Goldberger, Leo J., New York, N. Y. Children's dresses, blouses, and jumpers. Serial Nos. 425,319–20; Jan. 23. Class 39.
Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Synthetic composition having rubber-like characteristics. Serial No. 425,147; Jan. 23. Class 50.
Graham, Howard B., doing business as The Sunburst Company, Omaha, Nebr. Electric fixture or lighting device. Serial No. 423,298; Jan. 23. Class 21.
Hanover Star Milling Co., doing business as Schurmann Milling Co., Germantown, Ill. Wheat flour. Serial No. 422,407; Jan. 23. Class 46.
Harris-Seybold-Potter Company, Cleveland, Ohio. Photographic fixing bath chemicals. Serial No. 423,885; Jan. 23. Class 6.
Heller-Runnels Laboratories, Inc., Seattle, Wash. Concentrated vegetable tablets. Serial No. 420,004; Jan. 23. Class 46.
Hercules Powder Company, Wilmington, Del. Aluminum sulphate (commercial alum). Serial No. 424,430; Jan. 23. Class 6.
Hickok Manufacturing Company, Inc., Rochester, N. Y. - Suspenders. Serial No. 425,242; Jan. 23. Class 39.
Hospital Liquids, Inc., Chicago, Ill. Estrogenic substance in vegetable oil. Serial No. 423,912; Jan. 23. Class 6.
Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheets of glass from which are cut disks for goggles. Serial No. 426,027; Jan. 23. Class 33.
Hundter Sportswear Co., New York, N. Y. Skirts, sweaters, and slacks. Serial No. 426,028; Jan. 23. Class 39.
Jemail, Jimmy, New York, N. Y. Advertising columns and sections of newspapers. Serial No. 421,308; Jan. 23. Class 38.
Kelco Company, San Diego, Calif. Colloidal stabilizer for use in chocolate milk and other food products. Serial No. 425,787; Jan. 23. Class 46.
Koch, Max, & Son, Inc., New York, N. Y. Fur stoles, hoods, coats, etc. Serial No. 425,792; Jan. 23. Class 39.
Kuacol Chemical Co. (See Debnam, George R.)
Lamport Mfg. Supply Co., Inc., The, New York, N. Y. Percale sheets and pillow cases. Serial No. 426,261; Jan. 23. Class 42.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 425,204; Jan. 23. Class 6.
Liberman Shoe Manufacturing Co., Inc., Brooklyn, N. Y. Shoes. Serial No. 410,038; Jan. 23. Class 39.
Lien, Howard C., Los Angeles, Calif. Sponges. Serial No. 424,661; Jan. 23. Class 1.
Liquor Review Publishing Company, Chicago, Ill. Publications. Serial No. 412,146; Jan. 23. Class 38.
Loblaw Groceterias, Inc., Buffalo, N. Y. Coffee. Serial No. 426,339; Jan. 23. Class 46.
Lubin-Weeker Co., Inc., New York, N. Y. Men's pajamas. Serial No. 426,063; Jan. 23. Class 39.
Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 425,342; Jan. 23. Class 42.
Mancuso, John M., Oneida, N. Y. Ointment. Serial No. 425,617; Jan. 23. Class 6.
Markwell Mfg. Co., Inc., New York, N. Y. Point driving machines. Serial No. 426,102; Jan. 23. Class 23.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo.; doing business as Famous-Barr Company, St. Louis, Mo. Ice skates and ice skates attached to shoes. Serial No. 425,857; Jan. 23. Class 22.
Mayers, David, doing business as L. Mayers & Son, Baltimore, Md. Neckties and sportwear. Serial No. 425,091; Jan. 23. Class 39.
Milk Plant Specialties Corporation, Rochester, N. Y. Cleaning preparations. Serial No. 424,202; Jan. 23. Class 4.
Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., doing business as Mobile Varnish Works, Mobile, Ala. Paint enamels. Serial Nos. 425,354–5; Jan. 23. Class 16.

Mobile Varnish Works. (See Mobile Paint Manufacturing Company of Delaware, Inc.)
Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants for petroleum oils. Serial No. 425,420; Jan. 23. Class 6.
National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 424,665; Jan. 23. Class 42.
NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial No. 425,925; Jan. 23. Class 38.
Newton Manufacturing Company, Freeburg, Ill., and St. Louis, Mo. Wearing apparel. Serial No. 423,981; Jan. 23. Class 39.
Novelart Manufacturing Company, Long Island City, N. Y. Underarm powder. Serial No. 425,161; Jan. 23. Class 6.
Novelty Slipper Co., Inc., New York, N. Y. Slippers. Serial No. 425,363; Jan. 23. Class 39.
Oakland Food Products Co., also doing business as Shinano Co., Oakland, Calif. Abdominal exercising belts. Serial No. 426,573; Jan. 23. Class 44.
Orange Belt Fruit Distributors, Inc., Pomona, Calif. Fresh citrus fruit. Serial No. 425,842; Jan. 23. Class 46.
Pacific Graphite Works. (See Chedic, Walter C.)
Parfums Chevalier Garde, Inc., New York, N. Y. Perfume, toilet water, and eau de cologne. Serial No. 423,957; Jan. 23. Class 6.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Laundry starches. Serial No. 425,424; Jan. 23. Class 6.
Robinson Galleries, Inc., New York, N. Y. Objects of art for ornamental purposes. Serial No. 422,757; Jan. 23. Class 50.
Schmechel, Mary, Redwood Falls, Minn. Fabric ink remover. Serial No. 423,715; Jan. 23. Class 6.
Schurmann Milling Co. (See Hanover Star Milling Co.)
Share-It Sales Service. (See Bowman, Hyman D.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal and pharmaceutical preparations. Serial No. 422,452; Jan. 23. Class 6.
Shinano Co. (See Oakland Food Products Co.)
Shulton, Inc., New York, N. Y., and Hoboken, N. J. Perfumes, colognes, toilet waters, etc. Serial Nos. 426,171–3; Jan. 23. Class 6.
Simon Millinery Company, San Francisco, Calif. Ladies' hats. Serial No. 425,844; Jan. 23. Class 39.
Sinclair, Louis F., New York, N. Y. Sugar in tablet form flavored with bitters. Serial No. 409,657; Jan. 23. Class 46.
Smokey Joe Company. (See Zulakis, John.)
Società Anonima Fiuggi Anticolana, Rome, Italy. Mineral water. Serial No. 422,490; Jan. 23. Class 45.
Southbridge Finishing Company, Southbridge, Mass. Piece goods. Serial No. 426,380; Jan. 23. Class 42.
Star Bottling Works, Inc., Philadelphia, Pa. Beverages. Serial No. 425,590; Jan. 23. Class 45.
Stewart-Jorgensen Company, Sturgis, S. Dak. Preparation for use in the extermination of roaches. Serial No. 425,760; Jan. 23. Class 6.
Street, R. R., & Co., Inc., Chicago, Ill. Soapless wet cleaner. Serial No. 426,011; Jan. 23. Class 4.
Stylette Corset Co., Chicago, Ill. Foundation garments, corsets, and brassières. Serial No. 426,144; Jan. 23. Class 39.
Sunburst Company, The. (See Graham, Howard B.)
Taylor, Richard W., doing business as R. W. Taylor & Company, Boston, Mass. Compound for imparting a water repellent and wear resisting finish for textiles. Serial No. 424,896; Jan. 23. Class 6.
Tesoro, Salvatore F., doing business as S. F. Tesoro & Co., Chicago, Ill. Medicinal preparations. Serial No. 423,990; Jan. 23. Class 6.
Trend Game Company, Highland Park, Ill. Board game. Serial No. 426,012; Jan. 23. Class 22.
Turbo Machine Company, Lansdale, Pa. Wire dryers and shapers for anklets, hosiery, and gloves. Serial No. 425,437; Jan. 23. Class 50.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles for axes, hatchets, etc. Serial No. 424,418; Jan. 23. Class 23.
United States Cabinet Bed Co., Brooklyn, N. Y. Mattresses. Serial No. 426,110; Jan. 23. Class 32.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 425,937; Jan. 23. Class 38.
Vi-Jon Laboratories, Inc., St. Louis, Mo. Perfumes and face and hand lotions. Serial No. 425,441; Jan. 23. Class 6.
Wadhams & Company, Portland, Oreg. Wines. Serial No. 424,318; Jan. 23. Class 47.
Weber and Heilbroner, Inc., New York, N. Y. Wearing apparel. Serial No. 425,940; Jan. 23. Class 39.
Webster Electric Company, Racine, Wis. Oil burning apparatus. Serial Nos. 423,391–2; Jan. 23. Class 34.
Weil-McLain Company, Erie, Pa. Heating radiators. Serial No. 425,674; Jan. 23. Class 34.
Widdicomb, John, Co. Inc., New York, N. Y. Furniture. Serial No. 426,176; Jan. 23. Class 32.
Wolf, William, New York, N. Y. Men's and boys' hats. Serial No. 424,612; Jan. 23. Class 39.
Zulakis, John, doing business as Smokey Joe Company, Nisswa, Minn. Barbecue sauce and French dressing. Serial No. 425,078; Jan. 23. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet tissue. 374,704; Jan. 23; Serial No. 420,795; published Aug. 15, 1939. Class 37.
Aeolian American Corporation. (See American Piano Company, assignor.)
Agfa Ansco Corporation, Binghamton, N. Y. Photographic goods. 374,782; Jan. 23; Serial No. 423,405; published Nov. 14, 1939. Class 26.
Allen, C. (See Troutman, Clint.)
Amalgamated Paint Company Inc., New York, N. Y. Paints. 131,091; renewed May 25, 1940.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Base metal chain. 374,770–1; Jan. 23; Serial Nos. 423,196–7; published Nov. 14, 1939. Class 13.
American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Wire rope and strand. 374,779; Jan. 23; Serial No. 423,364; published Nov. 7, 1939. Class 7.
American Fork & Hoe Company, The, Cleveland, Ohio. Hand tools. 374,759; Jan. 23; Serial No. 423,048; published Nov. 14, 1939. Class 23.
American Hard Rubber Company, Hempstead and New York, N. Y. Developing and fixing trays, developing and fixing tanks, and boxes. 374,762–3; Jan. 23; Serial Nos. 423,079–80; published Nov. 14, 1939. Class 26.
American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks for ophthalmic lenses. 374,707; Jan. 23; Serial No. 421,062; published Nov. 14, 1939. Class 26.
American Piano Company, assignor to Aeolian American Corporation, New York, N. Y. Pianos and player-pianos. 131,399; renewed May 18, 1940.
American Stove Company, St. Louis, Mo. Domestic gas ranges. 374,737; Jan. 23; Serial No. 423,543; published Nov. 14, 1939. Class 34.
Anaconda Wire & Cable Co., New York, N. Y. Insulated electrical wire and cable. 374,813–4; Jan. 23; Serial Nos. 423,747–8; published Nov. 14, 1939. Class 21.
Arnold, Schwinn & Company, Chicago, Ill. Bicycles. 374,650; Jan. 23; Serial No. 396,063; published Nov. 14, 1939. Class 19.
Ash-Bradford, Inc., South Bend, Ind. Paper receptacles or cartons. 374,669; Jan. 23; Serial No. 415,101; published May 2, 1939. Class 2.
Atlas Supply Company, Newark, N. J. Cement. 374,653; Jan. 23; Serial No. 404,345; published Feb. 28, 1939. Class 5.
Atlas Supply Company, Newark, N. J. Storage battery testing apparatus. 374,652; Jan. 23; Serial No. 398,513; published Apr. 4, 1939. Class 26.
Automatic Canteen Company of America, Chicago, Ill. Weighing scales. 374,752–3; Jan. 23; Serial Nos. 422,885–6; published Nov. 14, 1939. Class 26.
Bacon Wood Products Company, Inc., The, Johnson City, Tenn., now, by change of name, to The E. H. Jacobs Manufacturing Corporation. Loom supplies. 374,649; Jan. 23; Serial No. 384,577; published Nov. 14, 1939. Class 23.
Baum, W. A., Co. Inc., New York, N. Y. Sphygmomanometers. 374,826; Jan. 23; Serial No. 424,077; published Nov. 14, 1939. Class 44.
Beech-Nut Packing Company, Canajoharie, N. Y. Candy. 374,793; Jan. 23; Serial No. 423,546; published Nov. 14, 1939. Class 46.
Besseghini, Joseph, doing business as Indian Grill Products Company, Colorado Springs, Colo. Salad dressing. 374,731; Jan. 23; Serial No. 422,462; published Nov. 14, 1939. Class 46.
Better Citizenship Association, The, Cleveland, Ohio. Periodical. 374,772; Jan. 23; Serial No. 423,202; published Nov. 14, 1939. Class 38.
Big Bill Tackle Co. (See Marshall-Wells Company.)
Bird & Son, Inc., East Walpole, Mass. Floor covering and wall covering. 374,749; Jan. 23; Serial No. 422,850; published Nov. 14, 1939. Class 20.
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. 374,757; Jan. 23; Serial No. 422,980; published Nov. 14, 1939. Class 23.
Blackett-Sample-Hummert, Inc., Chicago, Ill. Scripts for a series of commercial radio broadcasts. 374,708; Jan. 23.; Serial No. 421,232; published Nov. 7, 1939. Class 38.
Bone Dry Shoe Manufacturing Co. (See Felder Shoe Mfg. Co.)

Borden Company, The, New York, N. Y. Evaporated milk. 374,773; Jan. 23; Serial No. 423,254; published Nov. 14, 1939. Class 46.
Boston Envelope Company, doing business as Boston Drinking Cup Company, Dedham, Mass. Paper drinking cups. 374,671; Jan. 23; Serial No. 415,828; published Nov. 14, 1939. Class 2.
Bruce's Juices, Inc., Tampa, Fla. Canned fruit and vegetable juices. 374,765; Jan. 23; Serial No. 423,122; published Nov. 14, 1939. Class 46.
British Vacuum Cleaner & Engineering Company Limited, The, London, England. Machinery of all kinds and parts of machinery. 374,830; Jan. 23; Serial No. 403,675; published Nov. 14, 1939. Class 21.
Bunte Brothers, Chicago, Ill. Candy. 374,794; Jan. 23; Serial No. 423,551; published Nov. 14, 1939. Class 46.
Callaway Mills, La Grange, Ga. Textile fabrics. 374,656; Jan. 23; Serial No. 406,498; published Nov. 14, 1939. Class 42.
Carrom Industries, Inc., Ludington, Mich. Board game. 374,800; Jan. 23; Serial No. 423,655; published Nov. 14, 1939. Class 22.
Central California Producers, Oakland, Calif. Beverages and beverage bases containing fruit and vegetable juices. 374,673; Jan. 23; Serial No. 416,947; published Nov. 14, 1939. Class 45.
Ceramic Products Company, Kewaunee, Wis. Ceramic ware. 374,740; Jan. 23; Serial No. 422,623; published Nov. 14, 1939. Class 26.
Chicago Upholsterers Supply Co., Chicago, Ill. Upholstery, pillow and mattress springs, and spring units. 374,647; Jan. 23; Serial No. 423,411; published Nov. 14, 1939. Class 32.
Chicago Upholsterers Supply Co., Chicago, Ill. Upholstery, pillow and mattress springs, and spring units. 374,783; Jan. 23; Serial No. 423,410; published Nov. 14, 1939. Class 32.
Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tools and bearings for machine tools. 374,766; Jan. 23; Serial No. 423,125; published Nov. 14, 1939. Class 23.
Cobb, W. R., Company, Providence, R. I. Jewelry and jewelers' findings. 374,657; Jan. 23; Serial No. 407,261; published Nov. 14, 1939. Class 28.
Cohn-Hall-Marx Co., New York, N. Y. Printed cotton textile fabrics in the piece. 374,651; Jan. 23; Serial No. 396,709; published Nov. 7, 1939. Class 42.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 374,787; Jan. 23; Serial No. 423,458; published Nov. 14, 1939. Class 42.
Coleman Boat Company, Inc., New York, N. Y. Sailboats, rowboats, and skiffs. 374,810; Jan. 23; Serial No. 423,723; published Nov. 14, 1939. Class 19.
Collins, Ashton B., Birmingham, Ala. Books, circulars, advertising matter and the like. 374,717; Jan. 23; Serial No. 421,798; published Nov. 14, 1939. Class 38.
Compressed Products Corp., New York, N. Y. Sanitary napkins. 374,736; Jan. 23; Serial No. 422,538; published Nov. 14, 1939. Class 44.
Conde Nast Publications, The, New York, N. Y. Magazine section. 374,780; Jan. 23; Serial No. 423,372; published Nov. 7, 1939. Class 38.
Conerly, Thelma M., doing business as Conerly Press Features, Washington, D. C. Periodical publication. 374,820; Jan. 23; Serial No. 424,704; published Nov. 21, 1939. Class 38.
Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. 374,805; Jan. 23; Serial No. 423,696; published Nov. 14, 1939. Class 46.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper for meat. 374,658; Jan. 23; Serial No. 407,715; published Nov. 14, 1939. Class 37.
Curtis Lighting, Inc., Chicago, Ill. Electric lighting fixtures and parts thereof. 374,831; Jan. 23. Class 21.
Davidson, Joseph, New York, N. Y. Toy vehicles. 374,828; Jan. 23; Serial No. 424,296; published Nov. 14, 1939. Class 22.
Electrical Facilities Inc., Oakland, Calif. Alternating current rectifiers. 374,764; Jan. 23; Serial No. 423,090; published Nov. 14, 1939. Class 21.
Elgin Windmill Company, Elgin, Ill. Windmills, pump jacks, galvanized steel towers, etc. 374,720; Jan. 23; Serial No. 422,129; published Nov. 14, 1939. Class 23.
Ensign, Limited, London, England. Cameras and parts thereof, and sensitized films. 374,712; Jan. 23; Serial No. 421,480; published Nov. 14, 1939. Class 26.
Eppens, Smith Company, Inc., New York, N. Y. Paper blanks for making bags. 374,659; Jan. 23; Serial No. 408,458; published Nov. 14, 1939. Class 37.
Fall River Curtain Co., Inc., New York, N. Y. Curtains. 374,795; Jan. 23; Serial No. 423,557; published Nov. 7, 1939. Class 42.
Farrell Publishing Corporation, New York, N. Y. Periodical. 374,666; Jan. 23; Serial No. 412,293; published Apr. 25, 1939. Class 38.
Felder Shoe Mfg. Co., Seattle, now, by change of name, to Bone Dry Shoe Manufacturing Co., Tacoma, Wash. Boots and shoes. 129,355; renewed Feb. 17, 1940.
Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. 374,832–3; Jan. 23. Class 49.
Fischer Bed Spring Company, Pittsburgh, Pa. Bed springs. 374,819; Jan. 23; Serial No. 424,395; published Nov. 14, 1939. Class 32.
Flaherty & Urbanowski Co., now by change of name to Intercity Grocery Co., Peru, Ill. Canned fruits and vegetables, vanilla and lemon extracts. 129,157; renewed Jan. 27, 1940.
Fleming Manufacturing Company, East Providence, R. I. Crankcase ventilating systems. 374,733; Jan. 23; Serial No. 422,507; published Nov. 14, 1939. Class 23.
Florasynth Laboratories Inc., New York, N. Y. Vanilla flavoring powders. 374,702; Jan. 23; Serial No. 420,634; published Nov. 14, 1939. Class 46.
Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstman Woolen Co., Passaic, N. J. Woolen piece goods. 127,936; renewed Dec. 16, 1939.
Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 127,939; renewed Dec. 16, 1939.
Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 128,064; renewed Dec. 23, 1939.
Fort Pitt Bedding Company, Pittsburgh, Pa. Mattresses. 374,725; Jan. 23; Serial No. 422,307; published Nov. 14, 1939. Class 32.
General Refractories Company, Philadelphia, Pa. Bricks. 374,675; Jan. 23; Serial No. 417,088; published May 23, 1939. Class 12.
Gerber, Sidney, doing business as Gerber Bros., Seattle, Wash. Skis and other sporting goods. 374,677; Jan. 23; Serial No. 417,757; published Nov. 14, 1939. Class 22.
Glove Novelty House. (See Hewes & Potter, assignor.)
Golf Ball, Inc., Chicago, Ill. Golf balls. 374,806; Jan. 23, 1940; Serial No. 423,698; published Nov. 14, 1939. Class 22.
Golofsky, Max, doing business as Rock Island Tobacco Company, Rock Island, Ill. Cigars, cigarettes, and chewing and smoking tobacco. 374,715 Jan. 23, 1940; Serial No. 421,771; published Nov. 14, 1939. Class 17.
Gondola Olive Oil Co., San Diego, Calif. Olive oil. 374,701; Jan. 23, 1940; Serial No. 420,482; published Nov. 14, 1939. Class 46.
Graham, John H., & Co., Inc., New York, N. Y. Sash cord. 374,775–6; Jan. 23, 1940; Serial Nos. 423,299–300; published Nov. 7, 1939. Class 7.
Graham John H., & Co., Inc., New York, N. Y. Sash cord. 374,777; Jan. 23, 1940; Serial No. 423,302; published Nov. 7, 1939. Class 7.
Green Mountain Packing Company, Portland, Maine, assignor to Green Mountain Packing Co., Inc., St. Albans, Vt. Canned vegetables. 131,988; renewed June 8, 1940.
Gretsch & Brenner, Inc., New York, N. Y. Clarinets, bass clarinets, oboes, etc. 374,738; Jan. 23, 1940; Serial No. 422,544; published Nov. 14, 1939. Class 36.
Griggs, Cooper & Company, assignor to Griggs, Cooper & Company, St. Paul, Minn. Canned and preserved fruits, canned vegetables, canned fish, etc. 131,989; renewed June 8, 1940.
Guptill, R. P., Genoa City, Wis. Oil or gas house heating plants. 374,716; Jan. 23, 1940; Serial No. 421,774; published Nov. 14, 1939. Class 34.
Haloid Company, The, Rochester, N. Y. Light sensitive paper. 374,811; Jan. 23, 1940; Serial No. 423,728; published Nov. 14, 1939. Class 26.
Harris Langenberg Hat Co. (See Langenberg Hat Company.)
Hartford Products Corporation, The, Hartford, Conn. Filter rods and strainers therefor for coffee makers. 374,674; Jan. 23, 1940; Serial No. 417,057; published Nov. 14, 1939. Class 13.
Hartmann Trunk Company, Racine, Wis. Suitcases and wardrobe hand luggage. 374,807; Jan. 23, 1940; Serial No. 423,701; published Nov. 7, 1939. Class 3.
Herbert Manufacturing Company, New York, N. Y. Rayon and cotton piece goods. 374,705; Jan. 23, 1940; Serial No. 420,953; published Nov. 14, 1939. Class 42.
Hewes & Potter, Boston, Mass., assignor, by mesne assignments, to Glove Novelty House, New York, N. Y. Garters. 130,314; renewed Apr. 20, 1940.
Hichell Co., The, Boston, Mass. Dental and surgical flashlights. 374,788; Jan. 23, 1940; Serial No. 423,464; published Nov. 14, 1939. Class 44.
Hill, Horace W., Newton Highlands, Mass. Rackets. 374,713; Jan. 23, 1940; Serial No. 421,608; published Nov. 14, 1939. Class 22.
Hobson-McFarland Tractor Company, Kansas City, Mo. Lubricating greases. 374,718; Jan. 23, 1940; Serial No. 421,878; published Nov. 14, 1939. Class 15.
Howard Brothers, Idaho Falls, Idaho. Potatoes. 374,760; Jan. 23, 1940; Serial No. 423,059; published Nov. 14, 1939. Class 46.
Hunt, Vernon B., doing business as Tidy House Products Co., Des Moines, Iowa. Liquid silver polish, window cleaner, rug and upholstery shampoo, etc. 374,706; Jan. 23, 1940; Serial No. 421,043; published Nov. 14, 1939; Class 4.
Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display cases. 374,824; Jan. 23, 1940; Serial No. 424,042; published Nov. 14, 1939. Class 31.
Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display cases. 374,825; Jan. 23, 1940; Serial No. 424,045; published Nov. 14, 1939. Class 31.

Hygienic Supplies Corporation, Albany, N. Y. Pillows, mattresses, and cushions and pads for upholstery. 374,822; Jan. 23, 1940; Serial No. 423,952; published Nov. 14, 1939. Class 32.

Indian Grill Products Company. (See Besseghini, Joseph.)

Interchemical Corporation, New York, N. Y. Rotogravure inks, varnishes and dry colors for use in inks. 374,680; Jan. 23, 1940; Serial No. 418,580; published Oct. 31, 1939. Class 11.

Intercity Grocery Co. (See Flaherty & Urbanowski Co.)

International Harvester Company, Chicago Ill. Tractors. 374,801; Jan. 23, 1940; Serial No. 423,665; published Nov. 14, 1939. Class 23.

Jackson, E. O., & Company, Chicago, Ill. Whiskey. 374,834; Jan. 23, 1940. Class 49.

Jacobs, E. H., Manufacturing Corporation, The. (See Bacon Wood Products Company, Inc., The, assignor.)

Jodel Inc., New York, N. Y. Wide elastic fabric, in the piece. 374,769; Jan. 23; Serial No. 423,171; published Nov. 7, 1939. Class 42.

Kabusiki Kaisya Tyuoseisakusyo, Nagoya-Si, Japan. Electrical converters. 374,703; Jan. 23; Serial No. 420,768; published Nov. 14, 1939. Class 21.

Kaspar & Esh, Inc. Finger rings. 374,744; Jan. 23, 1940; Serial No. 422,751; published Nov. 14, 1939. Class 28.

Keasbey & Mattison Company, Ambler, Pa. Asbestos cements, asbestos papers, asbestos mill board, etc. 374,726; Jan. 23, 1940; Serial No. 422,363; published Nov. 14, 1939. Class 12.

Kensington, Incorporated, New Kensington, Pa. Billfolds. 374,663; Jan. 23, 1940; Serial No. 410,546; published Oct. 31, 1939. Class 3.

Kilborn-Sauer Company, The, Fairfield, Conn. Lamp lenses and reflectors, oil flares, etc. 374,815; Jan. 23, 1940; Serial No. 423,762; published Nov. 14, 1939. Class 34.

Kimble Glass Company, Vineland, N. J. Scientific, laboratory, and graduated chemical glassware. 374,672; Jan. 23, 1940; Serial No. 416,856; published Nov. 14, 1939. Class 26.

Langenberg Hat Company, now, by change of name to Harris Langenberg Hat Co., St. Louis, Mo. Caps and hats. 131,011; renewed May 4, 1940.

Larus & Brother Company, Inc., Richmond, Va. Scripts for a series of radio broadcasts. 374,727; Jan. 23, 1940; Serial No. 422,413; published Nov. 14, 1939. Class 38.

Lee, Harry C., & Co., New York, N. Y. Tennis-rackets, golf-clubs, golf-balls, etc. 128,426; renewed Jan. 6, 1940.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Lubricating oils and greases, lubricating oil compounds, etc. 374,721; Jan. 23, 1940; Serial No. 422,139; published Nov. 14, 1939. Class 15.

Malbone Co. (See Yengel, George W.)

Many, Blanc & Co., Inc., Chicago, Ill. Rum, whiskey, gin, etc. 374,789; Jan. 23, 1940; Serial No. 423,504; published Nov. 14, 1939. Class 49.

Marshall-Wells Company, doing business as Big Bill Tackle Co., Duluth, Minn. Fishing lines. 374,797; Jan. 23, 1940; Serial No. 423,587; published Nov. 14, 1939. Class 22.

May Oil Burner Corporation, Baltimore, Md. Fluid pumps and compressors and parts thereof. 374,812; Jan. 23, 1940; Serial No. 423,736; published Nov. 14, 1939. Class 23.

McKesson Appliance Co., The, Toledo, Ohio. Gas, liquid, and electric equipment, together with duct and control systems for treating and diagnosing, etc. 374,724; Jan. 23, 1940; Serial No. 422,292; published Nov. 14, 1939. Class 44.

McMillan, Eleanor M., doing business as McMillan Quality Products Co., Detroit, Mich. Facial pack. 374,654; Jan. 23, 1940; Serial No. 404,414; published Nov. 14, 1939. Class 6.

Midland Associates, Inc., Chicago, Ill. Publication. 374,734; Jan. 23, 1940; Serial No. 422,514; published Oct. 24, 1939. Class 38.

Miller, Nat, doing business as Remil Storage Battery Co., Boston, Mass. Storage batteries. 374,816; Jan. 23; Serial No. 423,767; published Nov. 14, 1939. Class 21.

Minami, H. Y., & Sons, Guadalupe and San Luis Obispo, Calif. Fresh vegetables. 374,790; Jan. 23; Serial No. 423,533; published Nov. 14, 1939. Class 46.

Minnesota and Ontario Paper Company, The, Minneapolis and International Falls, Minn. Paper bags. 374,745; Jan. 23; Serial No. 422,783; published Oct. 31, 1939. Class 2.

Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Paints and varnishes. 374,700; Jan. 23; Serial No. 420,037; published Nov. 14, 1939. Class 16.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 374,664; Jan. 23; Serial No. 410,841; published Nov. 14, 1939. Class 46.

Morrell, John, & Co., Ottumwa, Iowa. Eggs. 130,835; renewed May 4, 1940.

Mount Hope Finishing Company, Dighton, Mass. Textile fabrics in the piece. 374,784; Jan. 23; Serial No. 423,434; published Nov. 14, 1939. Class 42.

Myles Salt Company, Limited, New Orleans, La. Salt. 374,739; Jan. 23; Serial No. 422,551; published Nov. 14, 1939. Class 46.

National Billiard Supply Co., Chicago, Ill. Bowling pins. 374,754–6; Jan. 23; Serial Nos. 422,946–8; published Nov. 14, 1939. Class 22.

National-Boston Lead Company, New York, N. Y. White lead, and oxides of lead. 374,696; Jan. 23; Serial No. 418,848; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. White lead and oxides of lead. 374,681; Jan. 23; Serial No. 418,725; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. White lead, red lead, liquid lead, etc. 374,682; Jan. 23; Serial No. 418,726; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. White lead, and oxides of lead. 374,683–5; Jan. 23; Serial Nos. 418,729–31; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. Lead and lead alloys. 374,686; Jan. 23; Serial No. 418,734; published Nov. 7, 1939. Class 14.

National Lead Company, New York, N. Y. White lead, and oxides of lead. 374,687; Jan. 23; Serial No. 418,736; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. Lead and lead alloys. 374,688–90; Jan. 23; Serial Nos. 418,737–9; published Nov. 7, 1939. Class 14.

National Lead Company, New York, N. Y. White lead and oxides of lead. 374,691; Jan. 23; Serial No. 418,740; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. White lead, red lead, liquid lead, etc. 374,692; Jan. 23; Serial No. 418,741; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. White lead, and oxides of lead. 374,693–4; Jan. 23; Serial Nos. 418,742–3; published Nov. 14, 1939. Class 16.

National Lead Company, New York, N. Y. Lead and lead alloys. 374,695; Jan. 23; Serial No. 418,744; published Nov. 7, 1939. Class 14.

National Refining Company, The, Cleveland, Ohio. Fluid lubricant. 374,742; Jan. 23; Serial No. 422,710; published Nov. 14, 1939. Class 15.

Neumann, Morton G., Chicago, Ill. Hair dressing pomade, hair oil, brilliantine, etc. 374,678; Jan. 23; Serial No. 418,165; published Nov. 14, 1939. Class 6.

Newport Industries, Inc., Pensacola, Fla. Zinc-treated rosin solution in petroleum solvent. 374,710; Jan. 23; Serial No. 421,390; published Nov. 14, 1939. Class 1.

Oberti, G., & Sons, Madera, Calif. Olive oil. 374,722; Jan. 23; Serial No. 422,148; published Nov. 14, 1939. Class 46.

Orth, Ph., Co., Milwaukee, Wis. Doughnut flour. 374,741; Jan. 23; Serial No. 422,672; published Nov. 14, 1939. Class 46.

Pacific Mills, Boston, Mass. Cotton piece goods. 374,823; Jan. 23; Serial No. 423,956; published Nov. 7, 1939. Class 42.

Pacific Pipe Company, San Francisco, Calif. Metal pipe and pipe fittings. 374,723; Jan. 23; Serial No. 422,149; published Nov. 14, 1939. Class 13.

Pearl City Plywood Co., Inc., Jamestown, N. Y. Plywood panels. 374,796; Jan. 23; Serial No. 423,572; published Nov. 14, 1939. Class 12.

Perkins Machine and Gear Company, West Springfield, Mass. Mechanical display signs. 374,679; Jan. 23; Serial No. 418,418; published Nov. 14, 1939. Class 23.

Persha, David, Duluth, Minn. Canned and fresh fruits, and tea, coffee, etc. 374,719; Jan. 23; Serial No. 422,012; published Nov. 14, 1939. Class 46.

Pevely Dairy Company, St. Louis, Mo. Milk, cream, cheese, etc. 374,661; Jan. 23; Serial No. 410,306; published Nov. 14, 1939. Class 46.

Piggly Wiggly Corporation, The, Cincinnati, Ohio. Oleomargarine. 374,660; Jan. 23; Serial No. 409,695; published Nov. 14, 1939. Class 46.

Plastic Lights, Inc., Toledo, Ohio. Gaseous discharge tubes and parts thereof, etc. 374,747; Jan. 23; Serial No. 422,828; published Nov. 14, 1939. Class 21.

Prince Lauten Co., to Prince-Lauten Corp., New York, N. Y., successor. Cotton goods in the piece. 131,581; renewed May 18, 1940.

Remil Storage Battery Co. (See Miller, Nat.)

Remington Rand Inc., Buffalo, N. Y. Copyholders and parts thereof. 374,758; Jan. 23; Serial No. 423,034; published Nov. 14, 1939. Class 37.

Reynolds & Reynolds Company, The, Dayton, Ohio. Filing cases or cabinets. 374,709; Jan. 23; Serial No. 421,254; published Nov. 14, 1939. Class 32.

Rich, Robert P., doing business as Rich Laboratories, Indianapolis, Ind. Shampoo type cleaner. 374,767; Jan. 23; Serial No. 423,143; published Nov. 14, 1939. Class 4.

Rickmire, Ara P., Minneapolis, Minn. Machine for shaking or rocking the body and springs of a motor vehicle. 374,714; Jan. 23; Serial No. 421,616; published Nov. 14, 1939. Class 23.

Rock Island Tobacco Company. (See Golofsky, Max.)

Ross Milling Company, The. (See Whitewater Flour Mills Co.)

Ruberoid Co., The, Bound Brook, N. J., and New York N. Y. Roofings, sidings, tilings, etc. 374,821; Jan. 23; Serial No. 423,831; published Nov. 14, 1939. Class 12.

Rubinstein, Helena, Inc., New York, N. Y. Rubber rope for use in physical exercise. 374,791; Jan. 23; Serial No. 423,535; published Nov. 14, 1939. Class 22.

Rugaard, Oswald L., doing business as Rugaard Mfg. Co., Lawrence, Mass. Floor sanding machinery and parts thereof. 374,761; Jan. 23; Serial No. 423,071; published Nov. 14, 1939. Class 23.

Santa Anita Food Corporation, Anaheim, Calif. Canned vegetables. 374,808; Jan. 23; Serial No. 423,714; published Nov. 14, 1939. Class 46.

Schoenhut, O., Inc., Philadelphia, Pa. Board game. 374,827; Jan. 23; Serial No. 424,278; published Nov. 14, 1939. Class 22.

Sealco By-Products Company, Inc., Bluefield, W. Va. Gasket paste. 374,668; Jan. 23; Serial No. 414,925; published Apr. 11, 1939. Class 15.

Sensation Magazine, Inc., New York, N. Y. Publication. 374,785; Jan. 23; Serial No. 423,440; published Nov. 7, 1939. Class 38.

Sherwin-Williams Co., The, Cleveland, Ohio. Paints, varnishes, lacquers, etc. 374,697; Jan. 23; Serial No. 419,163; published Nov. 14, 1939. Class 16.

Simplex Valve & Meter Company, Philadelphia, Pa. Meters, gauges, and controlling devices. 374,746; Jan. 23; Serial No. 422,788; published Nov. 14, 1939. Class 26.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk piece goods and crepe piece goods. 374,802–3; Jan. 23; Serial Nos. 423,678–9; published Nov. 14, 1939. Class 42.

Sokol & Co., Chicago, Ill. Food product similar to paprika. 374,768; Jan. 23; Serial No. 423,145; published Nov. 14, 1939. Class 46.

Sovex Food Products, Holly, Mich. Yeast-vegetable concentrate. 374,735; Jan. 23; Serial No. 422,523; published Nov. 14, 1939. Class 46.

Spencer Lens Company, Buffalo, N. Y. Microscopes, photographic cameras, and accessories, etc. 374,655; Jan. 23; Serial No. 404,959; published Nov. 14, 1939. Class 26.

Stenno Ribbon & Carbon Mfg. Co., Portland, Oreg. Carbon paper. 374,670; Jan. 23; Serial No. 415,571; published Nov. 14, 1939. Class 11.

Swift and Company, Chicago, Ill. Glue. 374,732; Jan. 23; Serial No. 422,493; published Oct. 31, 1939. Class 5.

Taylor Wine Company, The, Hammondsport, N. Y. Wines. 374,817; Jan. 23; Serial No. 423,778; published Nov. 14, 1939. Class 47.

Terol, Hijo de C. Gisbert, Alcoy, Spain. Cigarette paper. 374,648; Jan. 23; Serial No. 380,881; published Nov. 14, 1939. Class 8.

Texas Canning Company, Brownsville and Falfurrias, Tex. Canned vegetables. 374,676; Jan. 23; Serial No. 417,239; published Nov. 14, 1939. Class 46.

Thermo Cuber Company, Inc., Chicago, Ill. Ice cutting machines. 374,818; Jan. 23; Serial No. 423,779; published Nov. 14, 1939. Class 23.

Tidy House Products Co. (See Hunt, Vernon B.)

Tile-Tex Company, The, Chicago Heights, Ill. Composition floor tile. 374,699; Jan. 23; Serial No. 419,894; published Nov. 7, 1939. Class 12.

Todd, Peyton H., and Son, Atlanta, Ga. Tonic and tissue-builder. 128,543; renewed Jan. 6, 1940.

Troutman, Clint, doing business as C. Allen, Joplin, Mo. Newspaper column. 374,781; Jan. 23; Serial No. 423,388; published Nov. 14, 1939. Class 38.

Turner-Pfister Chemical Corporation, Ridgefield, N. J. Chemical compounds. 374,728–9; Jan. 23; Serial Nos. 422,423–4; published Nov. 7, 1939. Class 12.

Union Steam Pump Company, Battle Creek, Mich. Machines for effecting emulsion and producing homogeneous and emulsified mixtures. 131,249; renewed May 4, 1940.

United States Cabinet Bed Co., New York, N. Y. Mattresses. 374,829; Jan. 23; Serial No. 424,375; published Nov. 14, 1939. Class 32.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 374,786; Jan. 23; Serial No. 423,447; published Nov. 7, 1939. Class 38.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 374,804; Jan. 23; Serial No. 423,684; published Nov. 7, 1939. Class 38.

United States Rubber Company, New York, N. Y. Yarns. 374,750; Jan. 23; Serial No. 422,873; published Nov. 7, 1939. Class 43.

Universal Paper Products Company, Chicago, Ill. Strippable paper molds and wrappers for ice cream. 374,748; Jan. 23; Serial No. 422,839; published Oct. 31, 1939. Class 2.

Valley Fruit Company. (See Weir, William R.)

Vandam, Albert H., Co., Inc., New York, N. Y. Piece goods. 374,751; Jan. 23; Serial No. 422,874; published Nov. 14, 1939. Class 42.

Wehn, Geo., & Co., Pittsburgh, Pa. Linoleum. 374,792; Jan. 23; Serial No. 423,538; published Nov. 14, 1939. Class 20.

Weir, William R., doing business as Valley Fruit Company, Pharr, Tex. Fresh citrus fruits and fresh vegetables. 374,667; Jan. 23; Serial No. 414,133; published Nov. 14, 1939. Class 46.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Supervisory control system apparatus and switchboards for electrical apparatus. 374,798–9; Jan. 23; Serial Nos. 423,642–3; published Nov. 14, 1939. Class 21.

White and Davis, Pueblo, Colo. Stock saddles. 374,662; Jan. 23; Serial No. 410,528; published Oct. 31, 1939. Class 3.

Whitehead Metal Products Company, Inc., New York, N. Y. Kitchen cabinets. 374,711; Jan. 23; Serial No. 421,468; published Nov. 14, 1939. Class 32.

Whitewater Flour Mills Co., The, doing business as The Ross Milling Company, Ottawa, Kans. Wheat flour. 374,778; Jan. 23; Serial No. 423,321; published Nov. 14, 1939. Class 46.

Wirz, A. H., Inc., Chester, Pa. Collapsible tubes. 374,730; Jan. 23; Serial No. 422,433; published Nov. 7, 1939. Class 2.

Wolf, Milton G., Chicago, Ill. Musical instrument strings. 374,665; Jan. 23; Serial No. 411,729; published Nov. 14, 1939. Class 36.

Wood, Gaylord, Indianapolis, Ind. Weekly publication. 374,698; Jan. 23; Serial No. 419,463; published ct. 31, 1939. Class 38.

Wurlitzer, Rudolph, Company, The, De Kalb, Ill. Pianos. 374,743; Jan. 23; Serial No. 422,730; published Nov. 14, 1939. Class 36.

Yengel, George W., doing business as Malbone Co., Brooklyn, N. Y. Penetrating oils and lubricating oils and spray oils. 374,774; Jan. 23; Serial No. 423,284; published Nov. 7, 1939. Class 15.

York, Henry H., and Company Proprietary Limited, Sydney, New South Wales, Australia. Culinary salt. 374,809; Jan. 23; Serial No. 423,718; published Nov. 14, 1939. Class 46.

LIST OF REGISTRANTS OF LABELS

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Garment. For Garments. 54,172; Jan. 23.

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Neckwear. For Neckwear. 54,173; Jan. 23.

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Suit. For Suits. 54,174; Jan. 23.

Ambrosia Chocolate Company, Milwaukee, Wis. Ambrosia Dutch Process. For Cocoa. 54,175; Jan. 23.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut. For Soups. 54,176; Jan. 23.

Ben Mont Papers, Inc., Bennington, Vt. Sandwich Bags 10¢ BenMont Mastercraft. For Sandwich Bags. 54,177; Jan. 23.

Ben Mont Papers, Inc., Bennington, Vt. Sandwich Bags 5¢ BenMont Mastercraft. For Sandwich Bags. 54,178; Jan. 23.

Borden Company, The, New York, N. Y. Borden's Irradiated Evaporated Milk. For Irradiated Evaporated Milk. 54,179; Jan. 23.

California and Hawaiian Sugar Refining Corporation, Limited, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. C. and H Sugar Pure Cane Wrapped Cubelets Two per Service. For Sugar. 54,180; Jan. 23.

California and Hawaiian Sugar Refining Corporation, Limited, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. C and H. Sugar Pure Cane Crystal Tablets Individually Wrapped. For Sugar. 54,181; Jan. 23.

Carpenter, Beatrice B. C., Chicago, Ill. As Gentle as Falling Leaves. For Soap Flakes. 54,182; Jan. 23.

Champion Products Co. (See Levin, Isadore.)

Chicago Carton Company, Chicago, Ill. Creamery Butter. For Butter. 54,183; Jan. 23.

Concentra Pharmacal Co., New York, N. Y. Concentra. For a Concentrated Mouth Wash. 54,184; Jan. 23.

Ennis, Ann B., Kansas City, Mo. Nok-Out Flea Powder. For Flea Powder. 54,186; Jan. 23.

Faber, Eberhard, Pencil Company, New York, N. Y. Mongol Colored Indelible Thin Lead Pencils, "Paint with Pencils". For Colored Indelible Pencils. 54,185; Jan. 23.

Firmalino, Elviro, New York, N. Y. Ideal Salad Dressing. For Salad Dressing. 54,187; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry Quick Cooker Oats. For Rolled Oats. 54,188; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry Farina. For Farina. 54,189; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry Pancake and Waffle Flour. For Pancake and Waffle Flour. 54,190; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry Steel Cut Oat Meal. For Oat Meal. 54,191; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry True Kiltie Style Rolled Oats. For Rolled Oats. 54,192; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry Yellow Corn Meal. For Yellow Corn Meal. 54,193; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry Wheat Hearts. For Cereal Breakfast Food. 54,194; Jan. 23.

General Mills, Inc., Minneapolis, Minn. Sperry White Corn Meal. For White Corn Meal. 54,195; Jan. 23.
Hammar, R. W., Jamestown, N. Y. Pot-Ready. For Dressed Poultry. 54,196; Jan. 23.
Hudson, H. D., Manufacturing Co., Chicago, Ill. Hudson Lektric-Hen for Care-Free Brooding. For Electric Brooders. 54,197; Jan. 23.
Kemco Products Co., Kokomo, Ind. Jack the Gaint Killer. For Canned Cream of Spinach Soup. 54,198; Jan. 23.
Kemco Products Co., Kokomo, Ind. Little Red Riding Hood. For Canned Cream of Tomato Soup. 54,199; Jan. 23.
Kemco Products Co., Kokomo, Ind. The Three Little Pigs. For Canned Cream of Celery Soup. 54,200; Jan. 23.
Kemco Products Co., Kokomo, Ind. Peter Rabbit. For Canned Cream of Carrot Soup. 54,201; Jan. 23.
Kemco Products Co., Kokomo, Ind. The Three Bears. For Canned Cream of Vegetable Porridge. 54,202; Jan. 23.
Kemco Products Co., Kokomo, Ind. Tom Thumb. For Canned Cream of Pea Soup. 54,203; Jan. 23.
Levin, Isadore, doing business as Champion Products Co., New York, N. Y. Whiz a Dandy Whistle and Chain. For Whistles and Chains. 54,204; Jan. 23.
Mars Incorporated, Chicago, Ill. Dr. I. Q. For Candy Bars. 54,205; Jan. 23.
Meyer, Frank C., Co. Inc., New York, N. Y. Wise. For Shoes. 54,206; Jan. 23.
Mission Dry Corporation, Los Angeles, Calif. Charge Er. For an Alakalizing Lemon-Flavored Soda. 54,207; Jan. 23.
Pioneer Canneries, Inc., Seattle, Wash. Pioneer Minced Sea Clams. For Minced Sea Clams. 54,208; Jan. 23.
South Pacific Canning Co., Long Beach, Calif. Royal Pacific. For Canned Tuna. 54,209; Jan. 23.
Spano, Sam, & Sons, Adams City, Colo. Spano Celery. For Celery. 54,210; Jan. 23.
Vogt, F. G., & Sons, Incorporated. Philadelphia, Pa. Vogt's Philadelphia Scrapple. For Canned Scrapple. 54,211; Jan. 23.
Ward Baking Company, New York, N. Y. Ward's Cake—Beauties. For Cake. 54,212; Jan. 23.
Ward Baking Company, New York, N. Y. Ward's Cake—Banana Filled Twins. For Cake. 54,213; Jan. 23.
Ward Baking Company, New York, N. Y. Ward's Cake—Devils Food Sandwich. For Cake. 54,214; Jan. 23.
Ward Baking Company, New York, N. Y. Ward's Cake—Golden Pound. For Cake. 54,215; Jan. 23.
Ward Baking Company, New York, N. Y. Ward's Cake—Raisin Pound. For Cake. 54,216; Jan. 23.
Ward Baking Company, New York, N. Y. Soft Molasses Cookies. For Cookies. 54,217; Jan. 23.
Waxide Paper Company, Kansas City, Mo. Whole Wheat Bread Sliced. For Sliced Whole Wheat Bread. 54,218; Jan. 23.
Waxide Paper Company, Kansas City, Mo. Silver Label Bread. For Sliced Bread. 54,219; Jan. 23.

LIST OF REGISTRANTS OF PRINTS

Canute Co., The, Milwaukee, Wis. How to Use Canute Water. For a Hair Coloring Preparation. 17,805; Jan. 23.
General Mills, Inc., Minneapolis, Minn. Redskins' 99 Yard Touchdown Shatters Forward Passing Record. For a Cereal Food. 17,806; Jan. 23.
Hunter Baltimore Rye Distillery, Inc., Baltimore, Md. First Over the Bars, Hunter Baltimore Rye Whiskey a Blend. For Blended Rye Whiskey. 17,807; Jan. 23.
Rothley Incorporated, Chicago, Ill. Rothley 3-Piece Compact Pajamas. For 3-Piece Compact Pajamas. 17,808; Jan. 23.
Temple, Donald R., doing business as Toc's Products Company, Syracuse, N. Y. Disinfects As It Cleans. For Ozonized Chlorine Solution for Use in Laundry Kitchen, Nursery and Bath. 17,809; Jan. 23.
Toc's Products Company. (See Temple, Donald R.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Rosin solution in petroleum solvent, Zinc-treated. Newport Industries, Inc. 374,710; Jan. 23; Serial No. 421,390; published Nov. 14, 1939.

CLASS 2

Bags, Paper. Minnesota and Ontario Paper Company. 374,745; Jan. 23; Serial No. 422,783; published Oct. 31, 1939.
Cups, Paper drinking. Boston Envelope Company. 374,671; Jan. 23; Serial No. 415,828; published Nov. 14, 1939.
Molds and wrappers for ice cream, Strippable paper. Universal Paper Products Company. 374,748; Jan. 23; Serial No. 422,839; published Oct. 31, 1939.
Receptacles or cartons, Paper. Ash-Bradford, Inc. 374,669; Jan. 23; Serial No. 415,101; published May 2, 1939.
Tubes, Collapsible. A. H. Wirz, Inc. 374,730; Jan. 23; Serial No. 422,433; published Nov. 7, 1939.

CLASS 3

Billfolds. Kensington, Incorporated. 374,663; Jan. 23; Serial No. 410,546; published Oct. 31, 1939.
Saddles, Stock. White and Davis. 374,662; Jan. 23; Serial No. 410,528; published Oct. 31, 1939.
Suitcases and wardrobe hand luggage. Hartmann Trunk Company. 374,807; Jan. 23; Serial No. 423,701; published Nov. 7, 1939.

CLASS 4

Cleaner, Shampoo type. R. P. Rich. 374,767; Jan. 23; Serial No. 423,143; published Nov. 14, 1939.
Polish, window cleaner, rug and upholstery shampoo, etc., Liquid silver. V. B. Hunt. 374,706; Jan. 23; Serial No. 421,043; published Nov. 14, 1939.

CLASS 5

Cement. Atlas Supply Company. 374,653; Jan. 23; Serial No. 404,345; published Feb. 28, 1939.
Glue. Swift and Company. 374,732; Jan. 23; Serial No. 422,493; published Oct. 31, 1939.

CLASS 6

Facial pack. E. M. McMillan. 374,654; Jan. 23; Serial No. 404,414; published Nov. 14, 1939.
Pomade, hair oil, brilliantine, etc., Hair dressing. M. G. Neumann. 374,678; Jan. 23; Serial No. 418,165; published Nov. 14, 1939.
Tonic and tissue-builder. Peyton H. Todd and Son. 128,543; renewed Jan. 6, 1940.

CLASS 7

Cord, Sash. John H. Graham & Co. 374,775–6; Jan. 23; Serial Nos. 423,299–300; published Nov. 7, 1939.
Cord, Sash. John H. Graham & Co. 374,777; Jan. 23; Serial No. 423,302; published Nov. 7, 1939.
Rope and strand, Wire. American Chain & Cable Company. 374,779; Jan. 23; Serial No. 423,364; published Nov. 7, 1939.

CLASS 8

Cigarette paper. H. de C. G. Terol. 374,648; Jan. 23; Serial No. 380,891; published Nov. 14, 1939.

CLASS 11

Carbon paper. Stenno Ribbon & Carbon Mfg. Co. 374,670; Jan. 23; Serial No. 415,571; published Nov. 14, 1939.
Inks, varnishes and dry colors for use on inks, Rotogravure. Interchemical Corporation. 374,680; Jan. 23; Serial No. 418,580; published Oct. 31, 1939.

CLASS 12

Asbestos cements, asbestos papers, asbestos mill board, etc. Keasbey & Mattison Company. 374,726; Jan. 23; Serial No. 422,363; published Nov. 14, 1939.
Bricks. General Refractories Company. 374,675; Jan. 23; Serial No. 417,088; published May 23, 1939.
Chemical compounds. Turner-Pfister Chemical Corporation. 374,728–9; Jan. 23; Serial Nos. 422,423–4; published Nov. 7, 1939.
Panels, Plywood. Pearl City Plywood Co. 374,796; Jan. 23; Serial No. 423,572; published Nov. 14, 1939.
Roofings, sidings, tilings, etc. Ruberoid Co. 374,821; Jan. 23; Serial No. 423,831; published Nov. 14, 1939.
Tile, Composition floor. Tile-Tex Company. 374,699; Jan. 23; Serial No. 419,894; published Nov. 7, 1939.

CLASS 13

Chain, Base metal. American Chain & Cable Company. 374,770–1; Jan. 23; Serial Nos. 423,196–7; published Nov. 14, 1939.
Filter rods and strainers therefor for coffee makers. Hartford Products Corporation. 374,674; Jan. 23; Serial No. 417,057; published Nov. 14, 1939.
Pipe and pipe fittings, Metal. Pacific Pipe Company. 374,723; Jan. 23; Serial No. 422,149; published Nov. 14, 1939.

CLASS 14

Lead and lead alloys. National Lead Company. 374,686; Jan. 23; Serial No. 418,734; published Nov. 7, 1939.
Lead and lead alloys. National Lead Company. 374,688–90; Jan. 23; Serial Nos. 418,737–9; published Nov. 7, 1939.

Lead and lead alloys. National Lead Company. 374,695; Jan. 23; Serial No. 418,744; published Nov. 7, 1939.

CLASS 15

Greases, Lubricating. Hobson-McFarland Tractor Company. 374,718; Jan. 23; Serial No. 421,878; published Nov. 14, 1939.
Lubricant, Fluid. National Refining Company. 374,742; Jan. 23; Serial No. 422,710; published Nov. 14, 1939.
Oils and greases, lubricating oil compounds, etc., lubricating. Lubri-Zol Corporation. 374,721; Jan. 23; Serial No. 422,139; published Nov. 14, 1939.
Oils and lubricating oils and spray oils, Penetrating. G. W. Yengel. 374,774; Jan. 23; Serial No. 423,284; published Nov. 7, 1939.
Paste, Gasket. Sealco By-Products Company. 374,668; Jan. 23; Serial No. 414,925; published Apr. 11, 1939.

CLASS 16

Lead and oxides of lead, White. National Lead Company. 374,681; Jan. 23; Serial No. 418,725; published Nov. 14, 1939.
Lead, red lead, liquid lead, etc., White. National Lead Company. 374,682; Jan. 23; Serial No. 418,726; published Nov. 14, 1939.
Lead and oxides of lead, White. National Lead Company. 374,683–5. Jan. 23; Serial Nos. 418,729–31; published Nov. 14, 1939.
Lead, and oxides of lead, White. National Lead Company. 374,687; Jan. 23; Serial No. 418,736; published Nov. 14, 1939.
Lead and oxides of lead, White. National Lead Company. 374,691; Jan. 23; Serial No. 418,740; published Nov. 14, 1939.
Lead, red lead, liquid lead, etc., White. National Lead Company. 374,692; Jan. 23; Serial No. 418,741; published Nov. 14, 1939.
Lead, and oxides of lead, White. National Lead Company. 374,693–4; Jan. 23; Serial Nos. 418,742–3; published Nov. 14, 1939.
Lead, and oxides of lead, White. National-Boston Lead Company. 374,696; Jan. 23; Serial No. 418,848; published Nov. 14, 1939.
Paints. Amalgamated Paint Company Inc. 131,691; renewed May 25, 1940.
Paints and varnishes. Minnesota Linseed Oil Paint Company. 374,700; Jan. 23; Serial No. 420,037; published Nov. 14, 1939.
Paints, varnishes, lacquers, etc. Sherwin-Williams Co., The. 374,697; Jan. 23; Serial No. 419,163; published Nov. 14, 1939.

CLASS 17

Cigars, cigarettes, and chewing and smoking tobacco. M. Golofsky. 374,715; Jan. 23; Serial No. 421,771; published Nov. 14, 1939.

CLASS 19

Bicycles. Arnold, Schwinn & Company. 374,650; Jan. 23; Serial No. 396,063; published Nov. 14, 1939.
Sailboats, rowboats, and skiffs. Coleman Boat Company. 374,810; Jan. 23; Serial No. 423,723; published Nov. 14, 1939.

CLASS 20

Floor covering and wall covering. Bird & Son, Inc. 374,749; Jan. 23; Serial No. 422,850; published Nov. 14, 1939.
Linoleum. Geo. Wehn & Co. 374,792; Jan. 23; Serial No. 423,538; published Nov. 14, 1939.

CLASS 21

Batteries, Storage. N. Miller. 374,816; Jan. 23; Serial No. 423,767; published Nov. 14, 1939.
Control system apparatus and switchboards for electrical apparatus, Supervisory. Westinghouse Electric & Manufacturing Company. 374,798–9; Jan. 23; Serial Nos. 423,642–3; published Nov. 14, 1939.
Current rectifiers, Alternating. Electrical Facilities Inc. 374,764; Jan. 23; Serial No. 423,090; published Nov. 14, 1939.
Electrical converters. Kabusiki Kaisya Tyuoseisakusyo. 374,703; Jan. 23; Serial No. 420,768; published Nov. 14, 1939.
Gaseous discharge tubes and parts thereof, etc. Plastic Lights, Inc. 374,747; Jan. 23; Serial No. 422,828; published Nov. 14, 1939.
Machinery of all kinds and parts of machinery. British Vacuum Cleaner & Engineering Company Limited. 374,830; Jan. 23; Serial No. 403,675; published Nov. 14, 1939.
Wire and cable, Insulated electrical. Anaconda Wire & Cable Co. 374,813–4; Jan. 23; Serial Nos. 423,747–8; published Nov. 14, 1939.

CLASS 22

Bowling pins. National Billiard Supply Co. 374,754–6; Jan. 23; Serial Nos. 422,946–8; published Nov. 14, 1939.
Fishing lines. Marshall-Wells Company. 374,797; Jan. 23; Serial No. 423,587; published Nov. 14, 1939.
Game, Board. Carrom Industries, Inc. 374,800; Jan. 28; Serial No. 423,655; published Nov. 14, 1939.
Game, Board. O. Schoenhut Inc. 374,827; Jan. 23; Serial No. 424,278; published Nov. 14, 1939.

Golf balls. Golf Ball, Inc. 374,806; Jan. 23; Serial No. 423,608; published Nov. 14, 1939.
Rackets. H. W. Hill. 374,713; Jan. 23; Serial No. 421,608; published Nov. 14, 1939.
Rope for use in physical exercise, Rubber. Helena Rubinstein, Inc. 374,791; Jan. 23; Serial No. 423,535; published Nov. 14, 1939.
Skis and other sporting goods. S. Gerber. 374,677; Jan. 23; Serial No. 417,757; published Nov. 14, 1939.
Tennis-rackets, golf-clubs, golf-balls, etc. Harry C. Lee & Co. 128,426; renewed Jan. 6, 1940.
Toy vehicles. J. Davidson. 374,828; Jan. 23; Serial No. 424,296; published Nov. 14, 1939.

CLASS 23

Crankcase ventilating systems. Fleming Manufacturing Company. 374,733; Jan. 23; Serial No. 422,507; published Nov. 14, 1939.
Floor sanding machinery and parts thereof. O. L. Rugaard. 374,761; Jan. 23; Serial No. 423,071; published Nov. 14, 1939.
Ice cutting machines. Thermo Cuber Company. 374,818; Jan. 23; Serial No. 423,779; published Nov. 14, 1939.
Loom supplies. Bacon Wood Products Company. 374,649; Jan. 23; Serial No. 384,577; published Nov. 14, 1939.
Machine for shaking or rocking the body and springs of a motor vehicle. A. P. Rickmire. 374,714; Jan. 23; Serial No. 421,616; published Nov. 14, 1939.
Machines for effecting emulsion and producing homogeneous and emulsified mixtures. Union Steam Pump Company. 131,249; renewed May 4, 1940.
Pumps and compressors and parts thereof, Fluid. May Oil Burner Corporation. 374,812; Jan. 23; Serial No. 423,736; published Nov. 14, 1939.
Signs, Mechanical display. Perkins Machine and Gear Company. 374,679; Jan. 23; Serial No. 418,418; published Nov. 14, 1939.
Sweepers, Carpet. Bissell Carpet Sweeper Co. 374,757; Jan. 23; Serial No. 422,980; published Nov. 14, 1939.
Tools and bearings for machine tools, Machine. Cincinnati Grinders Incorporated. 374,766; Jan. 28; Serial No. 423,125; published Nov. 14, 1939.
Tools, Hand. American Fork & Hoe Company. 374,759; Jan. 23; Serial No. 423,048; published Nov. 14, 1939.
Tractors. International Harvester Company. 374,801; Jan. 23; Serial No. 423,665; published Nov. 14, 1939.
Windmills, pump jacks, galvanized steel towers, etc. Elgin Windmill Company. 374,720; Jan. 23; Serial No. 422,129; published Nov. 14, 1939.

CLASS 26

Battery testing apparatus, Storage. Atlas Supply Company. 374,652; Jan. 23; Serial No. 398,513; published Apr. 4, 1939.
Cameras and parts thereof, and sensitised films. Ensign, Limited. 374,712; Jan. 23; Serial No. 421,480; published Nov. 14, 1939.
Ceramic ware. Ceramic Products Company. 374,740; Jan. 23; Serial No. 422,623; published Nov. 14, 1939.
Developing and fixing trays, developing and fixing tanks, and boxes. American Hard Rubber Company. 374,762–3; Jan. 23; Serial Nos. 423,079–80; published Nov. 14, 1939.
Glassware, Scientific, laboratory, and graduated chemical. Kimble Glass Company. 374,672; Jan. 23; Serial No. 416,856; published Nov. 14, 1939.
Lenses and blanks for ophthalmic lenses, Ophthalmic. American Optical Company. 374,707; Jan. 23; Serial No. 421,062; published Nov. 14, 1939.
Light sensitive paper. Haloid Company. 374,811; Jan. 23; Serial No. 423,728; published Nov. 14, 1939.
Meters, gauges, and controlling devices. Simplex Valve & Meter Company. 374,746; Jan. 23; Serial No. 422,788; published Nov. 14, 1939.
Microscopes, photographic cameras, and accessories, etc. Spencer Lens Company. 374,655; Jan. 23; Serial No. 404,959; published Nov. 14, 1939.
Photographic goods. Agfa Ansco Corporation. 374,782; Jan. 23; Serial No. 423,405; published Nov. 14, 1939.
Scales, Weighing. Automatic Canteen Company of American. 374,752–3; Jan. 23; Serial Nos. 422,885–6; published Nov. 14, 1939.

CLASS 28

Jewelry and jewelers' findings. W. R. Cobb Company. 374,657; Jan. 23; Serial No. 407,261; published Nov. 14, 1939.
Rings, Finger. Kaspar & Esh, Inc. 374,744; Jan. 23; Serial No. 422,751; published Nov. 14, 1939.

CLASS 31

Refrigerated display cases. Hussmann-Ligonier Company. 374,824; Jan. 23; Serial No. 424,042; published Nov. 14, 1939.
Refrigerated display cases. Hussmann-Ligonier Company. 374,825; Jan. 23; Serial No. 424,045; published Nov. 14, 1939.

CLASS 32

Bed springs. Fischer Bed Spring Company. 374,819; Jan. 23; Serial No. 424,395; published Nov. 14, 1939.
Cabinets, Kitchen. Whitehead Metal Products Company. 374,711; Jan. 23; Serial No. 421,468; published Nov. 14, 1939.

Cases or cabinets, Filing. Reynolds & Reynolds Company. 374,709; Jan. 23; Serial No. 421,254; published Nov. 14, 1939.
Mattresses. Fort Pitt Bedding Company. 374,725; Jan. 23; Serial No. 422,307; published Nov. 14, 1939.
Mattresses. United States Cabinet Bed Co. 374,829; Jan. 23; Serial No. 424,375; published Nov. 14, 1939.
Pillows, mattresses, and cushions and pads for upholstery. Hygienic Supplies Corporation. 374,822; Jan. 23; Serial No. 423,952; published Nov. 14, 1939.
Upholstery, pillow and mattress springs, and spring units. Chicago Upholsterers Supply Co. 374,647; Jan. 23; Serial No. 423,411; published Nov. 14, 1939.
Upholstery, pillow and mattress springs, and spring units. Chicago Upholsterers Supply Co. 374,783; Jan. 23; Serial No. 426,410; published Nov. 14, 1939.

CLASS 34

Heating plants, Oil or gas house. R. P. Guptill. 374,716; Jan. 23; Serial No. 421,774; published Nov. 14, 1939.
Lamp lenses and reflectors, oil flares, etc. Kilborn-Sauer Company. 374,815; Jan. 23; Serial No. 423,762; published Nov. 14, 1939.
Lighting fixtures and parts thereof, Electric. Curtis Lighting, Inc. 374,831; Jan. 23.
Ranges, Domestic gas. American Stove Company. 374,737; Jan. 23; Serial No. 423,543; published Nov. 14, 1939.

CLASS 36

Clarinets, bass clarinets, oboes, etc. Gretsch & Brenner, Inc. 374,738; Jan. 23; Serial No. 422,544; published Nov. 14, 1939.
Musical instrument strings. M. G. Wolf. 374,665; Jan. 23; Serial No. 411,729; published Nov. 14, 1939.
Pianos. Rudolph Wurlitzer Company. 374,743; Jan. 23; Serial No. 422,730; published Nov. 14, 1939.
Pianos and player-pianos. American Piano Company. 131,399; renewed May 18, 1940.

CLASS 37

Copyholders and parts thereof. Remington Rand Inc. 374,758; Jan. 23; Serial No. 423,034; published Nov. 14, 1939.
Paper blanks for making bags. Eppens, Smith Company. 374,659; Jan. 23; Serial No. 408,458; published Nov. 14, 1939.
Paper for meat, Wrapping. Crown Zellerbach Corporation. 374,658; Jan. 23; Serial No. 407,715; published Nov. 14, 1939.
Tissue, Toilet. A. P. W. Paper Company. 374,704; Jan. 23; Serial No. 420,795; published Aug. 15, 1939.

CLASS 38

Books, circulars, advertising matter and the like. A. B. Collins. 374,717; Jan. 23; Serial No. 421,798; published Nov. 14, 1939.
Magazine section. Conde Nast Publications. 374,780; Jan. 23; Serial No. 423,372; published Nov. 7, 1939.
Newspaper column. C. Troutman. 374,781; Jan. 23; Serial No. 423,388; published Nov. 14, 1939.
Periodical. Better Citizenship Association. 374,772; Jan. 23; Serial No. 423,202; published Nov. 14, 1939.
Periodical. Farrell Publishing Corporation. 374,666; Jan. 23; Serial No. 412,293; published Apr. 25, 1939.
Publication. Midland Associates, Inc. 374,734; Jan. 23; Serial No. 422,514; published Oct. 24, 1939.
Publication. Sensation Magazine, Inc. 374,785; Jan. 23; Serial No. 423,440; published Nov. 7, 1939.
Publication, Periodical. T. M. Conerly. 374,820; Jan. 23; Serial No. 424,704; published Nov. 21, 1939.
Publication, Weekly. G. Wood. 374,698; Jan. 23; Serial No. 419,463; published Oct. 31, 1939.
Publications, Sections of periodical. United States News Publishing Corporation. 374,786; Jan. 23; Serial No. 423,447; published Nov. 7, 1939.
Scripts for a series of commercial radio broadcasts. Blackett-Sample-Hummert, Inc. 374,708; Jan. 23; Serial No. 421,232; published Nov. 7, 1939.
Scripts for a series of radio broadcasts. Larus & Brother Company. 374,727; Jan. 23; Serial No. 422,413; published Nov. 14, 1939.
Sections of periodical publications. United States News Publishing Corporation. 374,804; Jan. 23; Serial No. 423,684; published Nov. 7, 1939.

CLASS 39

Boots and shoes. Felder Shoe Mfg. Co. 129,355; renewed Feb. 17, 1940.
Caps and hats. Langenberg Hat Company. 131,011; renewed May 4, 1940.
Garters. Howes & Potter. 130,314; renewed Apr. 20, 1940.

CLASS 42

Cotton goods in the piece. Prince Lauten Co. 131,581; renewed May 18, 1940.
Cotton piece goods. Pacific Mills. 374,823; Jan. 23; Serial No. 423,956; published Nov. 7, 1939.
Cotton textile fabrics in the piece, Printed. Cohn-Hall-Marx Co. 374,651; Jan. 23; Serial No. 396,709; published Nov. 7, 1939.
Curtains. Fall River Curtain Co. 374,795; Jan. 23; Serial No. 423,557; published Nov. 7, 1939.
Fabric in the piece, Wide elastic. Jodel, Inc. 374,769; Jan. 23; Serial No. 423,171; published Nov. 7, 1939.
Fabrics in the piece, Textile. Mount Hope Finishing Company. 374,784; Jan. 23; Serial No. 423,434; published Nov. 14, 1939.
Fabrics, Textile. Callaway Mills. 374,656; Jan. 23; Serial No. 406,498; published Nov. 14, 1939.
Piece goods. Cohn-Hall-Marx Co. 374,787; Jan. 23; Serial No. 423,458; published Nov. 14, 1939.
Piece goods. Albert H. Vandam Co. 374,751; Jan. 23; Serial No. 422,874; published Nov. 14, 1939.
Rayon and cotton piece goods. Herbert Manufacturing Company. 374,705; Jan. 23; Serial No. 420,953; published Nov. 14, 1939.
Silk piece goods and crepe piece goods. William Skinner & Sons. 374,802–3. Jan. 23; Serial Nos. 423,678–9; published Nov. 14, 1939.
Woolen piece goods. Forstmann & Huffmann Co. 127,936; renewed Dec. 16, 1939.
Woolen piece goods. Forstmann & Huffmann Co. 127,939; renewed Dec. 16, 1939.
Woolen piece goods. Forstmann & Huffmann Co. 128,064; renewed Dec. 23, 1939.

CLASS 43

Yarns. United States Rubber Company. 374,750; Jan. 23; Serial No. 422,873; published Nov. 7, 1939.

CLASS 44

Dental and surgical flashlights. Hichell Co. 374,788; Jan. 23; Serial No. 423,464; published Nov. 14, 1939.
Equipment, together with duct and control systems for treating and diagnosing, etc., Gas, liquid, and electric. McKesson Appliance Co. 374,724; Jan. 23; Serial No. 422,292; published Nov. 14, 1939.
Sanitary napkins. Compressed Products Corp. 374,736; Jan. 23; Serial No. 422,538; published Nov. 14, 1939.
Sphygmomanometers. W. A. Baum Co. Inc. 374,826; Jan. 23; Serial No. 424,077; published Nov. 14, 1939.

CLASS 45

Beverages and beverage bases containing fruit and vegetable juices. Central California Producers. 374,673; Jan. 23; Serial No. 416,947; published Nov. 14, 1939.

CLASS 46

Candy. Beech-Nut Packing Company. 374,793; Jan. 23; Serial No. 423,546; published Nov. 14, 1939.
Candy. Bunte Brothers. 374,794; Jan. 23; Serial No. 423,551; published Nov. 14, 1939.
Canned and fresh fruits, and tea, coffee, etc. D. Persha. 374,719; Jan. 23; Serial No. 422,012; published Nov. 14, 1939.
Canned and preserved fruits, canned vegetables, canned fish, etc. Griggs, Cooper & Company. 131,989; renewed June 8, 1940.
Canned fruit and vegetable juices. Bruce's Juices, Inc. 374,765; Jan. 23; Serial No. 423,122; published Nov. 14, 1939.
Canned fruits and vegetables, vanilla and lemon extracts. Flaherty & Urbanowski Co. 129,157; renewed Jan. 27, 1940.
Canned vegetables. Green Mountain Packing Company. 131,988; renewed June 8, 1940.
Canned vegetables. Minnesota Valley Canning Company. 374,664; Jan. 23; Serial No. 410,841; published Nov. 14, 1939.
Canned vegetables. Santa Anita Food Corporation. 374,808; Jan. 23; Serial No. 423,714; published Nov. 14, 1939.
Canned vegetables. Texas Canning Company. 374,676; Jan. 23; Serial No. 417,239; published Nov. 14, 1939.
Eggs. John Morrell & Co. 130,635; renewed May 4, 1940.
Flour, Doughnut. Ph. Orth Co. 374,741; Jan. 23; Serial No. 422,672; published Nov. 14, 1939.
Flour, Wheat. Whitewater Flour Mills Co. 374,778; Jan. 23; Serial No. 423,321; published Nov. 14, 1939.
Food product similar to paprika. Sokol & Co. 374,768; Jan. 23; Serial No. 423,145; published Nov. 14, 1939.
Fruits and fresh vegetables, Fresh citrus. W. R. Weir. 374,667; Jan. 23; Serial No. 414,133; published Nov. 14, 1939.
Milk, cream, cheese, etc. Pevely Dairy Company. 374,661; Jan. 23; Serial No. 410,306; published Nov. 14, 1939.
Milk, Evaporated. Borden Company. 374,773; Jan. 23; Serial No. 423,254; published Nov. 14, 1939.
Oleomargarine. Piggly Wiggly Corporation. 374,660; Jan. 23; Serial No. 409,695; published Nov. 14, 1939.
Olive oil. Gondola Olive Oil Co. 374,701; Jan. 23; Serial No. 420,482; published Nov. 14, 1939.
Olive oil. G. Oberti & Sons. 374,722; Jan. 23; Serial No. 422,148; published Nov. 14, 1939.
Potatoes. Howard Brothers. 374,760; Jan. 23; Serial No. 423,059; published Nov. 14, 1939.
Salad dressing. J. Besseghini. 374,731; Jan. 23; Serial No. 422,462; published Nov. 14, 1939.
Salt. Myles Salt Company. 374,739; Jan. 23; Serial No. 422,551; published Nov. 14, 1939.
Salt, Culinary. Henry H. York and Company Proprietary Limited. 374,809; Jan. 23; Serial No. 423,718; published Nov. 14, 1939.

Vanilla flavoring powders. Florasynth Laboratories Inc. 374,702; Jan. 23; Serial No. 420,634; published Nov. 14, 1939.
Vegetables, fresh. H. Y. Minami & Sons. 374,790; Jan. 23; Serial No. 423,533; published Nov. 14, 1939.
Wheat breakfast food. Cream of Wheat Corporation. 374,805; Jan. 23; Serial No. 423,696; published Nov. 14, 1939.
Yeast-vegetable concentrate. Sovex Food Products. 374,735; Jan. 23; Serial No. 422,523; published Nov. 14, 1939.

CLASS 47

Wines. Taylor Wine Company. 374,817; Jan. 23; Serial No. 423,778; published Nov. 14, 1939.

CLASS 49

Rum, whiskey, gin, etc. Many, Blanc & Co. 374,789; Jan. 23; Serial No. 423,504; published Nov. 14, 1939.
Whiskey. E. O. Jackson & Company. 374,834; Jan. 23.
Whiskey, gin, rum, etc. Joseph S. Finch and Company. 374,832–3; Jan. 23.

LIST OF LABELS

Ambrosia Dutch Process. For Cocoa. Ambrosia Chocolate Company. 54,175; Jan. 23.
As Gentle as Falling Leaves. For Soap Flakes. B. B. C. Carpenter. 54,182; Jan. 23.
Beech-Nut. For Soups. Beech-Nut Packing Company. 54,176; Jan. 23.
Borden's Irradiated Evaporated Milk. For Irradiated Evaporated Milk. Borden Company. 54,179; Jan. 23.
C and H Sugar Pure Cane Wrapped Cubelets Two per Service. For Sugar. California and Hawaiian Sugar Refining Corporation. 54,180; Jan. 23.
C and H Sugar Pure Cane Crystal Tablets Individually Wrapped. For Sugar. California and Hawaiian Sugar Refining Corporation. 54,181; Jan. 23.
Charge Er. For an Alkalizing Lemon-Flavored Soda. Mission Dry Corporation. 54,207; Jan. 23.
Concentra. For a Concentrated Mouth Wash. Concentra Pharmacal Co. 54,184; Jan. 23.
Creamery Butter. For Butter. Chicago Carton Company. 54,183; Jan. 23.
Dr. I. Q. For Candy Bars. Mars Incorporated. 54,205; Jan. 23.
Hudson Lektric-Hen for Care-Free Brooding. For Electric Brooders. H. D. Hudson Manufacturing Co. 54,197; Jan. 23.
Ideal Salad Dressing. For Salad Dressing. E. Firmalino. 54,187; Jan. 23.
Jack the Gaint Killer. For Canned Cream of Spinach Soup. Kemco Products Co. 54,198; Jan. 23.
Little Red Riding Hood. For Canned Cream of Tomato Soup. Kemco Products Co. 54,199; Jan. 23.
Mongol Colored Indelible Thin Lead Pencils, "Paint with Pencils". For Colored Indelible Pencils. Eberhard Faber Pencil Company. 54,185; Jan. 23.
Nok-Out Flea Powder. For Flea Powder. A. B. Ennis. 54,186; Jan. 23.
Peter Rabbit. For Canned Cream of Carrot Soup. Kemco Products Co. 54,201; Jan. 23.
Pioneer Minced Sea Clams. For Minced Sea Clams. Pioneer Canneries, Inc. 54,208; Jan. 23.
Pot-Ready. For Dressed Poultry. R. W. Hammar. 54,196; Jan. 23.
Royal Pacific. For Canned Tuna. South Pacific Canning Co. 54,209; Jan. 23.
Sandwich Bags 10¢ BenMont Mastercraft. For Sandwich Bags. Ben Mont Papers, Inc. 54,177; Jan. 23.
Sandwich Bags 5¢ BenMont Mastercraft. For Sandwich Bags. Ben Mont Papers, Inc. 54,178; Jan. 23.
Silver Label Bread. For Sliced Bread. Waxide Paper Company. 54,219; Jan. 23.
Soft Molasses Cookies. For Cookies. Ward Baking Company. 54,217; Jan. 23.
Spano Celery. For Celery. Sam Spano & Sons. 54,210; Jan. 23.
Sperry Farina. For Farina. General Mills, Inc. 54,189; Jan. 23.
Sperry Pancake and Waffle Flour. For Pancake and Waffle Flour. General Mills, Inc. 54,190; Jan. 23.
Sperry Quick Cooker Oats. For Rolled Oats. General Mills, Inc. 54,188; Jan. 23.
Sperry Steel Cut Oat Meal. For Oat Meal. General Mills, Inc. 54,191; Jan. 23.
Sperry True Kiltie Style Rolled Oats. For Rolled Oats. General Mills, Inc. 54,192; Jan. 23.
Sperry Yellow Corn Meal. For Yellow Corn Meal. General Mills, Inc. 54,193; Jan. 23.
Sperry Wheat Hearts. For Cereal Breakfast Food. General Mills, Inc. 54,194; Jan. 23.
Sperry White Corn Meal. For White Corn Meal. General Mills, Inc. 54,195; Jan. 23.
The Three Bears. For Canned Cream of Vegetable Porridge. Kemco Products Co. 54,202; Jan. 23.
The Three Little Pigs. For Canned Cream of Celery Soup. Kemco Products Co. 54,200; Jan. 23.
Tom Thumb. For Canned Cream of Pea Soup. Kemco Products Co. 54,203; Jan. 23.
Union Made Garment. For Garments. Amalgamated Clothing Workers of America. 54,172; Jan. 23.
Union Made Neckwear. For Neckwear. Amalgamated Clothing Workers of America. 54,173; Jan. 23.
Union Made Suit. For Suits. Amalgamated Clothing Workers of America. 54,174; Jan. 23.
Vogt's Philadelphia Scrapple. For Canned Scrapple. F. G. Vogt & Sons, Incorporated. 54,211; Jan. 23.
Ward's Cake—Beauties. For Cake. Ward Baking Company. 54,212; Jan. 23.
Ward's Cake—Banana Filled Twins. For Cake. Ward Baking Company. 54,213; Jan. 23.
Ward's Cake—Devils Food Sandwich. For Cake. Ward Baking Company. 54,214; Jan. 23.
Ward's Cake—Golden Pound. For Cake. Ward Baking Company. 54,215; Jan. 23.
Ward's Cake—Raised Pound. For Cake. Ward Baking Company. 54,216; Jan. 23.
Whiz a Dandy Whistle and Chain. For Whistles and Chains. I. Levin. 54,204; Jan. 23.
Whole Wheat Bread Sliced. For Sliced Whole Wheat Bread. Waxide Paper Company. 54,218; Jan. 23.
Wise. For Shoes. Frank C. Meyer Co. Inc. 54,206; Jan. 23.

LIST OF PRINTS

Disinfects as it Cleans. For Ozonized Chlorine Solution for Use in Laundry, Kitchen, Nursery and Bath. D. R. Temple. 17,809; Jan. 23.

First Over the Bars, Hunter Baltimore Rye Whiskey a Blend. For Blended Rye Whiskey. Hunter Baltimore Rye Distillery, Inc. 17,807; Jan. 23.

How to Use Canute Water. For a Hair Coloring Preparation. Canute Co. 17,805; Jan. 23.
Redskins' 99 Yard Touchdown Shatters Forward Passing Record. For a Cereal Food. General Mills, Inc. 17,806; Jan. 23.
Rothley 3-Piece Compact Pajamas. For 3-Piece Compact Pajamas. Rothley Incorporated. 17,808; Jan. 23.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apex Electrical Manufacturing Company, The. (See Mader, John J., assignor.)

Babcock & Wilcox Company, The. (See Heller, Lewis W., assignor.)

Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor regulator. Re. 21,329; Jan. 23.

Bordeaux, Claude G. (See White, F. S., and Bordeaux.)

Heckman, William H., Chicago, Ill. Journal bearing. Re. 21,330; Jan. 23.

Heller, Lewis W., East Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. Re. 21,331; Jan. 23.

Ingersoll-Rand Company. (See Baker, Charles S., assignor.)

Mader, John J., Parma, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Melting furnace. Re. 21,332; Jan. 23.

Malmquist, Clayton W., Minneapolis, Minn. Toasting apparatus. Re. 21,333; Jan. 23.

N. V. Maatschappij voor Zwavelzuurbereiding Voorheen G. T. Ketjen & Co. (See Van Es, Adriaan C., assignor.)

Van Es, Adriaan C., Huizen, assignor of one-half to N. V. Maatschappij voor Zwavelzuurbereiding Voorheen G. T. Ketjen & Co., Amsterdam, Netherlands. Extracting ores and the like. Re. 21,335; Jan. 23.

White, Forrest S., Hoosick Falls, and C. G. Bordeaux, Albany, N. Y. Check valve. Re. 21,334; Jan. 23.

LIST OF PLANT PATENTEES

Brown, Charles A., II, assignor to Hinsdale Cemetery Company, Hinsdale, Ill. Geranium. 355; Jan. 23.

Hinsdale Cemetery Company. (See Brown, Charles A., II, assignor.)

LIST OF DESIGN PATENTEES

Alexander, John R., Paris, Tex. Bicycle frame. 118,611; Jan. 23.

Autoyre Company, The. (See Sanford, Roy S., assignor.)

Baechil, George, assignor to Joy Manufacturing Company, Franklin, Pa. Mine shuttle car. 118,612; Jan. 23.

Bagshaw, Thomas F., San Francisco, Calif. Sachet basket. 118,636; Jan. 23.

Bendix Home Appliances, Inc. (See Oliver, Wallace F., assignor.)

Bixer, Edmond P., New York, N. Y. Textile fabric or similar article. 118,690; Jan. 23.

Blazey, Lawrence A., Cleveland, Ohio, assignor to B. F. W. Heyer, Tenafly, N. J. Meter face. 118,613; Jan. 23.

Boysen, George M., Philadelphia, Pa. Lace. 118,656; Jan. 23.

Brin, Moses A., Chicago, Ill. Bread tube for receiving a sausage or the like. 118,614; Jan. 23.

Button Corporation of America. (See Newman, Harry, assignor.)

Century Lighting, Inc. (See Michziner, Jo, assignor.)

Chapman, Bert E., Sanford, Fla. House number sign. 118,615; Jan. 23.

Delman, Herman B., New York, N. Y. Sandal. 118,616; Jan. 23.

Delman, Herman B., New York, N. Y. Sandal. 118,617; Jan. 23.

DeVilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)

Dreyfuss, Henry, New York. N. Y., assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. 118,618; Jan. 23.

Dyches, Kenneth C., Buffalo Ridge, Va. Desk or the like. 118,637; Jan. 23.

Edson, Bert, Pawtucket, R. I. Lace. 118,657; Jan. 23.

Elite Glass Co. Inc. (See Levin, Irving, assignor.)

Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,658; Jan. 23.

Ely, George L., New York, N. Y. Portable food dispenser stand. 118,638; Jan. 23.

Embury, Frederick B., assignor to Embury Manufacturing Company, Warsaw, N. Y. Lantern. 118,659; Jan. 23.

Embury Manufacturing Company. (See Embury, Frederick B., assignor.)

Emerson Drug Company of Baltimore City, The. (See McKenna, William C., assignor.)

Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)

Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Push bar. 118,619; Jan. 23.

Fleming, William. (See Knowles, H. K., and Fleming.)

Florence Stove Company. (See Reeves, Herbert M., assignor.)

Fracchia, Pauline, New York, N. Y. Dress ensemble. 118,660; Jan. 23.

Fracchia, Pauline, New York, N. Y. Dress ensemble. 118,661; Jan. 23.

Fracchia, Pauline, New York, N. Y. Dress. 118,662; Jan. 23.

Fracchia, Pauline, New York, N. Y. Dress. 118,663; Jan. 23.

Fracchia, Pauline, New York, N. Y. Dress ensemble. 118,664; Jan. 23.

Fuerst, Edwin W., Toledo, Ohio, and W. D. Teague, New York, N. Y., assignors to Libbey Glass Company, Toledo, Ohio. Glass. 118,620; Jan. 23.

Gabrielsen, Christian, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y. Vending machine cabinet. 118,681; Jan. 23.

Havlis, Adolph J., Oak Park, assignor to Keystone Metal Products Co., Chicago, Ill. Tumbler rack. 118,621; Jan. 23.

Haydel, Hubert J., New Orleans, La. Pocketknife. 118,622; Jan. 23.

Hayes, Marion C. (See Keller, Victor D., assignor.)

Heyer, Benjamin F. W. (See Blazey, Lawrence A., assignor.)

Hofmann, Victor E., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Poker chip. 118,623; Jan. 23.

Hoover Company, The. (See Dreyfuss, Henry, assignor.)

Houston, William A., Bayonne, N. J. Ice cream cone. 118,624; Jan. 23.

Hupp, Jessie F., Hollydale, Calif. Serving dish. 118,639; Jan. 23.

Jacobs, F. L., Company. (See Visser, John, assignor.)

Joy Manufacturing Company. (See Baechil, George, assignor.)

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)

Keller, Victor D., Coffeyville, assignor of one-half to M. C. Hayes, Caney, Kans. Game board. 118,682; Jan. 23.

Keystone Metal Products Co. (See Havlis, Adolph J., assignor.)

Knowles, Hal K., and W. Fleming, New Orleans, La. Merchandising sack or similar container. 118,665; Jan. 23.

Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament. 118,683; Jan. 23.

Krastel, Oscar, Columbus, Ohio. Motion picture projection head casing. 118,625; Jan. 23.

Lane, Joseph, New York, N. Y. Dress ensemble. 118,666; Jan. 23.

Lane, Joseph, New York, N. Y. Dress. 118,667; Jan. 23.

Lane, Joseph, New York, N. Y. Dress. 118,668; Jan. 23.

Levin, Irving, assignor to Elite Glass Co. Inc., New York, N. Y. Prismatic pendant. 118,626; Jan. 23.

Libbey Glass Company. (See Fuerst, E. W., and Teague, assignors.)

Libbey Glass Company. (See Sawyer, Charles, assignor.)

Majewski, Joseph M., Jr., assignor to F. L. Taige, Kansas City, Mo., doing business as Rival Manufacturing Company. Fruit reamer. 118,640; Jan. 23.

Mast, Levi S., Wichita, Kans. Fork. 118,684; Jan. 23.

Maxant Button and Supply Company. (See Maxant, Robert E., assignor.)

Maxant, Robert E., Forest Park, assignor to Maxant Button and Supply Company, Chicago, Ill. Ironing machine. 118,641; Jan. 23.
Mazola, Christine, New York, N. Y. Dress. 118,669; Jan. 23.
Mazola, Christine, New York, N. Y. Dress ensemble. 118,670; Jan. 23.
McDonnell, John B., and R. B. Raynolds, Tuckahoe, N. Y. Washing device. 118,642; Jan. 23.
McKenna, William C., assignor to The Emerson Drug Company of Baltimore City, Baltimore, Md. Display card. 118,643; Jan. 23.
Mielziner, Jo, New York, assignor to Century Lighting, Inc. Light projecting fixture or similar article. 118,671; Jan. 23.
Minnesota Mining & Manufacturing Company. (See Reinecke, Jean O., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Bathtub. 118,644; Jan. 23.
Morgan, John R., Oak Park, Ill., assignor to Sunbeam Electric Manufacturing Co., Evansville, Ind. Refrigerator cabinet or similar article. 118,645; Jan. 23.
Morgan, Mitchel, Brooklyn, N. Y. Combination winding and drying rack. 118,646; Jan. 23.
Newman, Harry, assignor to Button Corporation of America, Newark, N. J. Button or similar article. 118,628; Jan. 23.
Oliver, Wallace F., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine. 118,647; Jan. 23.
Owens-Illinois Glass Company. (See Hofmann, Victor E., assignor.)
Pearson, Greta. (See Rinaldi, A., and Pearson.)
Piffath, Peter, Great Neck, N. Y. Magneto housing. 118,648; Jan. 23.
Planeta, Anthony W., Rahway, N. J. Combined rack and carrier. 118,672; Jan. 23.
Radiart Corporation, The. (See Wildberg, Leslie K., assignor.)
Raynolds, Richard B. (See McDonnell, J. B., and Raynolds.)
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Heater cabinet. 118,649; Jan. 23.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 118,629; Jan. 23.
Rinaldi, Albert, and G. Pearson, New York, N. Y. Dress. 118,685; Jan. 23.
Rinaldi, Albert, and G. Pearson, New York, N. Y. Dress. 118,686; Jan. 23.
Rival Manufacturing Company. (See Majewski, J. M., Jr.)
Rowe Manufacturing Co. (See Gabrielsen, Christian, assignor.)
Rubin, Jack, New York, N. Y. Textile fabric. 118,673; Jan. 23.
Rubin, Jack, New York, N. Y. Textile fabric. 118,674; Jan. 23.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Detachable towel rack or similar article. 118,630; Jan. 23.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Detachable towel rack or similar article. 118,631; Jan. 23.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Detachable towel rack or similar article. 118,632; Jan. 23.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Detachable towel rack or similar article. 118,633; Jan. 23.
Sawyer, Charles, assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 118,650; Jan. 23.
Sawyer, Charles, assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 118,651; Jan. 23.
Sawyer, Charles, assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 118,652; Jan. 23.
Sawyer, Charles, assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 118,653; Jan. 23.
Sawyer, Charles, assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 118,654; Jan. 23.
Schmid, Albert P. (See Kranz, P., and Schmid.)
Schwartz, Anna, New York, N. Y. Dress ensemble. 118,675; Jan. 23.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sholtz, Leo, New York, N. Y. Shoe or similar article. 118,634; Jan. 23.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 118,635; Jan. 23.
Skolnick, William, New York, N. Y. Dress. 118,687; Jan. 23.
Skolnick, William, New York, N. Y. Dress. 118,688; Jan. 23.
Stoehr, Harold N., Cedar Rapids, Iowa. Basket. 118,676; Jan. 23.
Stoehr, Harold N., Cedar Rapids, Iowa. Basket. 118,677; Jan. 23.
Sunbeam Electric Manufacturing Co. (See Morgan, John R., assignor.)
Talge, Foster L., doing business as Rival Manufacturing Company. (See Majewski, J. M., Jr., assignor.)
Teague, Walter D. (See Fuerst, E. W., and Teague, assignors.)
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Book cover, or similar article. 118,678; Jan. 23.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 118,691; Jan. 23.
Uihlein, George V., Worcester, Mass. Rug or similar article. 118,679; Jan. 23.
Visser, John, assignor to F. L. Jacobs Company, Grand Rapids, Mich. Ash receiver or the like. 118,680; Jan. 23.
Vuillemenot, Frederic A., assignor to The DeVilbiss Company, Toledo, Ohio. Atomizer tray. 118,655; Jan. 23.
Wildberg, Leslie K., Cleveland Heights, assignor to The Radiart Corporation, Cleveland, Ohio. Aerial. 118,627; Jan. 23.
Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Support for displaying photographs, cards and similar articles. 118,689; Jan. 23.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie, James S., Houston, Tex., assignor to Cameron Iron Works. Tool joint control for blowout preventers. 2,188,141; Jan. 23.
Agfa Ansco Corporation. (See Gehrke, F. W., and Tiedeken, assignors.)
Agthe, Carl A., Zurich, assignor to J. R. Geigy A. G., Basel, Switzerland. Road surfacing. 2,188,214; Jan. 23.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Lubricated plug cock. 2,187,926; Jan. 23.
Airelease Corporation, The. (See Lowe, Ernest A., assignor.)
Akers, Floyd C., Anderson, Ind. Damper control. 2,187,767; Jan. 23.
Albert Specialty Company. (See Moore, Francis, assignor.)
Alexander, James N., Birmingham, Ala. Saw handle and measuring device. 2,188,027; Jan. 23.
Algin Corporation of America. (See Le Gloahec, V. C. E., and Herter, assignors.)
Allan, Benjamin W., Baltimore, assignor to American Zirconium Corporation, St. Helena, Baltimore, Md. Preparation of titanium dioxide pigments. 2,188,259; Jan. 23.
Allegheny Steel Company. (See Scharschu, Charles A., assignor.)
Aller, Willis F., and H. L. Rausch, assignors to The Sheffield Gage Corporation, Dayton, Ohio. Machine tool. 2,187,961; Jan. 23.
Alquist, Francis N., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Primary xenoxy-alkyl amines. 2,187,723; Jan. 23.
American Blower Corporation. (See Pfeffer, H. W., and Danz, assignors.)
American Brake Shoe and Foundry Company, The. (See Fraula, Williams S., assignor.)
American Can Company. (See Erb, George C., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Chain & Cable Company. (See Bratz, Otto J., assignor.)
American Cyanamid Company. (See Lecher, H. Z., and Conn, assignors.)
American Emblem Company. (See Lindsay, J. D., Wiggins, and Press, assignors.)
American Liquid Gas Corporation. (See Brown, Samuel B., assignor.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Steel Foundries. (See Baselt, W. H., and Aurien, assignors.)
American Steel Foundries. (See Light, David M., assignor.)
American Tap-Bush Company. (See Rice, Frank E., assignor.)
American Type Founders, Inc. (See Seybold, Frederick W., assignor.)
American Zirconium Corporation. (See Allan, Benjamin W., assignor.)
Andersag, Hans, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Condensation products of butyrolactones and primary amines of the aromatic and heterocyclic series. 2,187,847; Jan. 23.
Anderson, Frank W. (See Stafford, W. K., and Anderson.)
Anderson, Harley E., Chicago, Ill. Brake rigging. 2,187,993; Jan. 23.
Anderson, W. Charles, Linden, Calif. Walnut huller. 2,187,994; Jan. 23.
Andrea, Mary E. (See Andrea, Raymond L. and M. E.)
Andrea, Raymond L. and M. E., Roslindale, Mass. Hair curler. 2,188,028; Jan. 23.
Andrews, Lee. (See Skinner, B. R., and Andrews.)
Angeli, Ilario, Brooklyn, N. Y. Banjo. 2,188,127; Jan. 23.
Angle, Leonard, Troy, N. Y. Sanding device. 2,188,238; Jan. 23.
Arcturus Development Company. (See Stahl, Charles E., assignor.)
Armstrong, George H., Hempstead, N. Y. Gasoline turbine. 2,188,128; Jan. 23.
Arquint, Hans, Sursee, Switzerland, and O. Kiesel, Munich, Germany. Safety device for gas conductors. 2,187,768; Jan. 23.
Arrow-Hart & Hegeman Electric Company, The. (See Bentley, Robert H., assignor.)
Art Novelty Manufacturing Company. (See Eyman, Frank H., assignor.)
Asensio, Gabriel J. (See Cooper, James B., assignor.)
Associated Electric Laboratories, Inc. (See Herrick, R. H., and Gilman, assignors.)
Associated Electric Laboratories, Inc. (See Herrick, Roswell H., assignor.)
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Peterson, Edward S., assignor.)
Associated Spring Corporation. (See Border, James D., assignor.)
Astatic Microphone Laboratory, Inc. (See Malat, Frank J., assignor.)
Atlantic Refining Company, The. (See Johnson, James W., assignor.)
Atlas Powder Company. (See Bucy, Edmond H., assignor.)
Aurien, Ray G. (See Baselt, W. H., and Aurien.)
Auto Specialties Manufacturing Company. (See Lucker, Millard B., assignor.)
Auto Union Aktiengesellschaft. (See Weber, Hermann, assignor.)
Automatic Shifters, Inc. (See Hey, Henry W., assignor.)
Ayotte, Joseph R., Chicago, Ill. Device for dispensing liquids, granulated products, and the like. 2,187,927; Jan. 23.
Ayotte, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Two-tone reflector flashlight. 2,188,129; Jan. 23.
Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
Baermann, Max, Jr., Cologne, Germany. Making permanent magnets and products thereof. 2,188,091; Jan. 23.
Baird, Albert W., Elizabeth, N. J., and F. G. Outcalt, New Rochelle, N. Y., assignors to The Linde Air Products Company. Welding rod reel. 2,188,070; Jan. 23.
Baier, Georg, and G. Köppel, Nuremburg, Germany. Point forming device for the leads of pencils and the like. 2,188,130; Jan. 23.
Baker Brothers, Inc. (See Hallenbeck, G. E., and Jobst, assignors.)
Baker, Clarence H. (See De Motte, M. P., Baker, and Pierson.)
Ball, Ed. (See Yerkey, Grover W., assignor.)
Barber, Clarence A., Gridley, Kans. Reversible power clutch. 2,188,215; Jan. 23.
Barcroft, William G., Boulder, Colo. Burglar alarm and trap. 2,187,928; Jan. 23.
Barker, Fred V., Alexandria Bay, N. Y. Ashtray. 2,187,896; Jan. 23.
Barmer Maschinenfabrik Aktiengesellschaft. (See Bochmann, Otto, assignor.)
Barnick, Henry. (See Rentz, Frank B., assignor.)
Barrett, Harry B., St. Louis, Mo. Combination precision grinder and caliper. 2,187,962; Jan. 23.
Bartlett, Norman, Weehawken, N. J. Amusement apparatus. 2,187,963; Jan. 23.
Baselt, Walter H., and R. G. Aurien, assignors to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,188,260; Jan. 23.
Basham, Walter N., et al. (See Cox, Raymond E., assignor.)
Basquin, Olin H., Evanston, and O. P. Haegele, assignors to Streeter-Amet Company, Chicago, Ill. Weighing apparatus. 2,188,261; Jan. 23.
Bassett, Rex E., Jr. (See Chamberlin, J. W., and Bassett.)
Bateman, Raymond S., Lindsay, Calif. Cultivator. 2,188,029; Jan. 23.
Baughman, Ray G., Linton, Ind. Drier. 2,187,799; Jan. 23.
Baumann, Fritz, and H. W. Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the quinazoline series. 2,187,812; Jan. 23.
Baumann, Fritz, and H. W. Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff of the phthaloyl quinazoline series. 2,187,813; Jan. 23.
Baumann, Fritz, and H. W. Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the anthraquinone series. 2,188,103; Jan. 23.
Baumann, Fritz, and H. W. Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the anthraquinone series. 2,188,104; Jan. 23.
Beck, Chester O., and W. H. Degge, Fresno, Calif. Device for setting and holding pins for games. 2,187,095; Jan. 23.

Beecher, Valentine, Greenville, N. Y. Faucet. 2,188,216; Jan. 23.
Behring, William E., Glendale, Calif. Tooth brush. 2,188,217; Jan. 23.
Bell Telephone Laboratories, Incorporated. (See Hersey, Ralph E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morgan, Stanley O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sutliff, Carleton B., assignor.)
Bendix Aviation Corporation. (See Martin, Thomas B., assignor.)
Bendix Home Appliances, Inc. (See Chamberlin, J. W., and Bassett, assignors.)
Bendix Home Appliances, Inc. (See Scott, R. W., and McCollum, assignors.)
Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric snap switch. 2,188,218; Jan. 23.
Berthiaume, Joseph, Lawrence, Mass. Sled brake. 2,188,030; Jan. 23.
Berthold, Hans, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Direction finding radio system. 2,188,071; Jan. 23.
Billing, Wyly M., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Permanently stiffened collar and the like. 2,187,848; Jan. 23.
Bishop & Babcock Manufacturing Company. (See Mayo, Edward L., assignor.)
Blair, Herman E., Grand Rapids, Mich. Automobile bumper mounting. 2,188,142; Jan. 23.
Blanc, Jean J., Paris, France. Device for assembling plates or other superposed pieces. 2,187,929; Jan. 23.
Blocker, Preston B., assignor of twenty-five per cent to H. H. Uhli and twenty-five per cent to J. H. Shettler, Silver City, N. Mex. Piston and ring assembly. 2,187,724; Jan. 23.
Bochmann, Otto, Remscheid-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Double twist twisting spindle. 2,187,996; Jan. 23.
Bois, Nathaniel, assignor to T. Silberfeld, San Francisco, Calif. Cutting attachment for combs. 2,188,131; Jan. 23.
Bollard, Arthur W., assignor to The F. D. Cummer & Son Company, Cleveland, Ohio. Mixer tooth. 2,187,897; Jan. 23.
Bond, Edgar R., and C. A. Hobbs, assignors to Textile Specialty Company, Greensboro, N. C. Loom reed. 2,187,997; Jan. 23.
Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Floor rack for refrigerator cars. 2,188,171; Jan. 23.
Borch, Niels S., Copenhagen, and K. Middelboe, Frederiksberg, near Copenhagen, Denmark, assignors to F. L. Smidth & Company, New York, N. Y. Slurry drying device. 2,187,800; Jan. 23.
Border, James D., Detroit, Mich., assignor to Associated Spring Corporation, Bristol, Conn. Antenna device. 2,188,143; Jan. 23.
Bostelmann, John C., Jr., Hastings on Hudson, N. Y. Chart for piano playing. 2,188,098; Jan. 23.
Bratz, Otto J., Adrian, Mich., assignor, by mesne assignments, to American Chain & Cable Company, Inc. Flexible wire tubing. 2,187,873; Jan. 23.
Bredenbeck, William C., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Tool post construction. 2,188,198; Jan. 23.
Brehob, Frederick H., Erie, Pa., assignor to General Electric Company. Heat transfer system. 2,188,172; Jan. 23.
Britton Controls, Inc. (See Britton, Karl B., assignor.)
Britton, Karl B., Cleveland Heights, assignor to Britton Controls, Inc., Cleveland, Ohio. Automatic transmission ratio changer. 2,187,824; Jan. 23.
Brock, Clarence A., assignor to Rexair, Inc., Detroit, Mich. Centrifugal separator. 2,188,031; Jan. 23.
Broquinda, Inc. (See Quinn, Clara E., assignor.)
Brown, Carl D., Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass. Adjustable harness mechanism. 2,187,814; Jan. 23.
Brown, Earl H., Palo Alto, and C. F. Williams, San Mateo, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y. Separation of molybdenite from copper sulphides. 2,187,930; Jan. 23.
Brown, Francis H., Ridley, assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa. Furnace structure. 2,187,725; Jan. 23.
Brown, Francis H., Ridley Park, assignor to The Real Estate-Land Title Trust Company, Philadelphia, Pa. Stoker. 2,187,726; Jan. 23.
Brown, Francis H., Ridley Park, assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa. Stoker. 2,187,727; Jan. 23.
Brown, Frederick M., Los Angeles, Calif. Valve. 2,187,964; Jan. 23.
Brown, Samuel B., assignor, by mesne assignments, to American Liquid Gas Corporation, Los Angeles, Calif. Liquid fuel converter. 2,188,072; Jan. 23.
Browne, Edythe D., Chicago, Ill. Garment form. 2,187,965; Jan. 23.
Brustowsky, Morris, Brooklyn, N. Y. Device for scraping the knives of slicing machines. 2,187,801; Jan. 23.
Bucy, Edmond H., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Textile printing lacquer. 2,188,073; Jan. 23.
Budd, Edward G., Manufacturing Company. (See Contini, R., and Dieter, assignors.)
Budd, Edward G., Manufacturing Company. (See Ledwinka, J., and Kelly, assignors.)
Buddenbrock, Charles V., Trinidad, Colo. Fishing pole. 2,187,849; Jan. 23.
Buffalo Pressed Steel Company. (See MacKenzie, R. J., and Haas, assignors.)
Bump, Albert H., Watertown, assignor to New England Alcohol Company, Everett, Mass. Purification of alcohol. 2,188,274; Jan. 23.
Burndy Engineering Co. (See Lee, M., and Rogoff, assignors.)
Burneleit, Willy, Cologne, W. Mieg and F. Wieners, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Effecting carbazole ring formation of compounds of the anthraquinone series. 2,187,815; Jan. 23.
Burrows, Allen, Brockton, and W. H. Rhindress, Braintree, Mass. Armature recutting tool. 2,187,874; Jan. 23.
Burton, George H., Arlington, N. J. Line supporting device and installation. 2,188,032; Jan. 23.
Bush, Rankin J., Jeannette, and W. H. Glass, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor construction. 2,187,931; Jan. 23.
Bushman, Otto G., Salt Lake City, Utah. Ink feed means for printing presses. 2,188,219; Jan. 23.
Byron Jackson Co. (See Grau, H. E., and Chesnut, assignors.)
Byron Jackson Co. (See Hollander, Aladar, assignor.)
Byron Jackson Co. (See Tow, James O., assignor.)
Byrum, Robert L., Middletown, Ohio. Boiler. 2,187,850; Jan. 23.
Caldwell, Walter T., assignor to The George E. Failing Supply Company, Enid, Okla. Lubricating mechanism for reciprocating pumps and similar devices. 2,188,105; Jan. 23.
Caldwell, Walter T., assignor to The George E. Failing Supply Company, Enid, Okla. Piston. 2,188,106; Jan. 23.
Caldwell, Walter T., and J. P. Lang, assignors to The George E. Failing Supply Company, Enid, Okla. Rotary drilling rig. 2,188,107; Jan. 23.
Cameron Iron Works. (See Abercrombie, James S., assignor.)
Candee, Allan H. (See Wildhaber, E., Candee, and Witham.)
Carbide and Carbon Chemicals Corporation. (See Ferris, C. R., and Carte, assignors.)
Carbide and Carbon Chemicals Corporation. (See Law, George H., assignor.)
Carborundum Company, The. (See Kirchner, H. P., and Wooddell, assignors.)
Care, Arthur J. P., Toronto, Ontario, Canada. Plastic composition. 2,188,199; Jan. 23.
Carew, Herman, Easton, Pa., assignor to Dixie-Vortex Company, Chicago, Ill. Container and blank therefor. 2,187,769; Jan. 23.
Carey, Philip, Manufacturing Company, The. (See Marc, H., and Greider, assignors.)
Carlson, Carl T., Alsten, Sweden. Apparatus for concentrating solutions, particularly black liquors. 2,188,220; Jan. 23.
Carpenter, Charles A., Huntington Park, Calif. Upper cylinder lubricator. 2,187,998; Jan. 23.
Carpenter, Mason P., Punta Gorda, Fla., assignor to International Frictionless Brake Corporation, Lansing, Mich. Fluid rotor. 2,187,875; Jan. 23.
Carson, Ralph B., Toronto, Ontario, Canada, assignor to General Electric Company. Transformer tap changing circuit. 2,188,173; Jan. 23.
Carte, Estol T. (See Ferris, C. R., and Carte.)
Carter Carburetor Corporation. (See Ericson, George R., assignor.)
Carter Carburetor Corporation. (See Farr, Henry W., assignor.)
Carter Carburetor Company. (See Markham, Charles E., assignor.)
Castricum, Martin, Grosse Pointe, and F. C. Kennedy, Detroit, Mich., assignor by mesne assignments, to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,188,174; Jan. 23.
Celanese Corporation of America. (See Rooney, J. H., and Shaw, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Central Commercial Company. (See Mohler, Valentine J., assignor.)
Central Commercial Company. (See Mohler, Valentine J., assignor.)
Ceskoslovenska Zbrojovka, A. S. (See Holek, Václav, assignor.)
Chamberlin, John W., and R. E. Bassett, Jr., South Bend, Ind., assignors to Bendix Home Appliances, Inc., Detroit, Mich. Cleaning apparatus. 2,187,770; Jan. 23.

Chapman Valve Manufacturing Company, The. (See Malcolm, Vincent T., assignor.)
Charbonneau, Allan P. (See Kuhn, C. W., and Charbonneau.)
Charles, James A., near Clearwater, Kans. Harrow attachment for drills. 2,187,896; Jan. 23.
Chemische Fabrik R. Baumbeier Kommanditgesellschaft, (See Kern, Rudolf, assignor.)
Chesnut, John D. (See Grau, H. E., and Chesnut.)
Christen, Fritz, Zurich-Altstetten, Switzerland. Magnesium alloy. 2,188,239; Jan. 23.
Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Barbituric acids. 2,187,728; Jan. 23.
Clocher, Joseph. (See Tedeschi, Achille, assignor.)
Clabaugh, Glenn, et al. (See Hicks, Harold, assignor.)
Clarke, Charles M. (See Sharp, Henry J., assignor.)
Clarke, Thomas B., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoe heels. 2,187,825; Jan. 23.
Cleveland Automatic Machine Company, The. (See Bredenbeck, William C., assignor.)
Cleveland Graphite Bronze Company, The. (See Palm, John V. O., assignor.)
Clyde Iron Works, Inc. (See McGiffert, John R., assignor.)
Colin, Philip G., Staten Island, N. Y., and A. W. Lewis, Elizabeth, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,187,802; Jan. 23.
Collins, Jeffrey N. (See Twombly, Willard O., assignor.)
Compton, Loyd W., assignor of one-fourth to M. O. Nixon and one-fourth to B. N. Nixon, Alexandria, Tenn. Controlling means for automatic water systems. 2,188,240; Jan. 23.
Comstock, John A., assignor to Surface Combustion Corporation, Toledo, Ohio. Heat treatment of metals. 2,188,275; Jan. 23.
Condon, Ernest E., Flushing, N. Y. Wheel puller. 2,188,074; Jan. 23.
Condon, Robert J., Hollywood, Calif. Carburetor attachment for internal combustion engines. 2,188,175; Jan. 23.
Conn, Robert C. (See Lecher, H. Z., and Conn.)
Continental Oil Company. (See Steiner, Waldo L., assignor.)
Contini, Renato, and W. L. Dieter, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airplane wing. 2,187,729; Jan. 23.
Cooke, Horace B., Greenwich, Conn., assignor to The Gray Processes Corporation, Newark, N. J. Treatment of hydrocarbon distillates. 2,188,075; Jan. 23.
Cooper, James B., assignor of thirty per cent to G. J. Asensio, Clarkdale, Ga. Clamp attachment for fuse anchoring clips. 2,188,033; Jan. 23.
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Thermal unit. 2,188,176; Jan. 23.
Cornell, Leo R., Berkeley, Calif., assignor of one-fourth to G. B. Lenz. Head frame for supporting eyeshields. 2,187,932; Jan. 23.
Corning Glass Works. (See Smith, Rowland D., assignor.)
Cox, Isaac E. (See Vigne, A., and Cox.)
Cox, Raymond E., assignor of one-fourth to O. C. Elmstedt and one-fourth to W. N. Basham, Oakland, Calif. Automobile and trailer brake control mechanism. 2,188,200; Jan. 23.
Craig, Burnie J., Los Angeles County, Calif. Vehicle door latch. 2,187,933; Jan. 23.
Craig, Burnie J., Los Angeles County, Calif. Vehicle door latch control mechanism. 2,187,934; Jan. 23.
Craig, Burnie J., Los Angeles County, Calif. Vehicle door controlling mechanism. 2,187,935; Jan. 23.
Craig, Burnie J., Los Angeles County, Calif. Automotive vehicle door latch. 2,187,936; Jan. 23.
Crandall, George S., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,188,262; Jan. 23.
Crane Co. (See Zinkil, R. H., and Fredrickson, assignors.)
Crucible Steel Company of America. (See Payson, Peter, assignor.)
Cummer, F. D., & Son Company, The. (See Bollard, Arthur W., assignor.)
Currie, Frank M., Jr., Indianapolis, Ind. Combination street sign and lamp guard. 2,187,771; Jan. 23.
Curtis Companies Incorporated. (See Madsen, Sern, assignor.)
Cutler-Hammer, Inc. (See Kuhn, C. W., and Charbonneau, assignors.)
Dally, Roy, assignor, by mesne assignments, to Webster Electric Company, Racine, Wis. Tone arm. 2,187,772; Jan. 23.
Danz, Harry O. (See Pfeffer, H. W., and Danz.)
Darby, John H., Hillmorton, Rugby, England. Fastening for doors. 2,188,034; Jan. 23.
Dauster, John, Wilkinsburg, Pa. Hydraulic pump. 2,188,035; Jan. 23.
Davidson, William W., Evanston, Ill. Rotary pump. 2,187,730; Jan. 23.
Davis, Arthur W., Lakewood, Ohio, assignor to The Linde Air Products Company. Flame cutting method and machine. 2,187,731; Jan. 23.
Davis, Espy G., St. Paul, Minn., assignor to National Battery Company. Casting machine. 2,188,276; Jan. 23.
Davis, Robert E., Fort Payne, Ala. Self-supporting stocking. 2,188,241; Jan. 23.
Deckel, Friedrich. (See Schmidt, Walter, assignor.)
Degge, Wilfred H. (See Beck, C. O., and Degge.)
De Juhasz, Kalman J., State College, Pa. Fuel injection pump for Diesel Engines. 2,187,732; Jan. 23.
De Juhasz, Kalman J., State College, Pa. Valve. 2,187,733; Jan. 23.
De Lavaud, Dimitri S. (See de Lavaud, Robert S., assignor.)
De Lavaud, Robert S., assignor to D. S. de Lavaud, Paris, France. Hydraulic device for transmitting movement. 2,187,937; Jan. 23.
Deloison, Auguste M. (See Langlois, G. A., and Deloison.)
De Motte, Maurice P., C. H. Baker, and R. C. Pierson, Indianapolis, Ind., assignors, by mesne assignments, to Oxweld Acetylene Company. Acetylene generator. 2,188,277; Jan. 23.
De Motte, Maurice P., Indianapolis, Ind., assignor to Oxweld Acetylene Company. Acetylene generator. 2,188,278; Jan. 23.
Denzer, Herbert B., North Freedom, Wis. Clevis. 2,188,036; Jan. 23.
Deutsche Erdol-Aktiengesellschaft. (See Schick, Friedrich, assignor.)
Dezso, Joseph A., South Bend, Ind. Attachment for keyboard type musical instruments. 2,187,999; Jan. 23.
Diedrich, Richard O., Menomonie, Wis. Measuring instruments. 2,188,201; Jan. 23.
Dieter, William L. (See Contini, R., and Dieter.)
Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Extrusion press. 2,188,076; Jan. 23.
Dixie-Vortex Company. (See Carew, Herman, assignor.)
Dixon, Paul H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for cutting shoe treeing sticks. 2,187,826; Jan. 23.
Dodson, Harry L. (See Ruths, R. J., and Dodson.)
Dumore Company, The. (See Nelson, James H., assignor.)
Donnell, Hugh L., Auburntown, Tenn. Animal trap. 2,188,109; Jan. 23.
Donovan, Patrick H., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. High speed brake. 2,187,966; Jan. 23.
Dorman, Edgar P., assignor to The United Glass Bottle Manufacturers Limited, London, England. Adjustable cam. 2,188,108; Jan. 23.
Dow Chemical Company, The. (See Alquist, F. N., and Slagh, assignors.)
Dowd, Edmund B., Homewood, assignor to T. L. Dowd, Chicago, Ill. Sheathing excavation walls. 2,188,077; Jan. 23.
Dowd, Thomas L. (See Dowd, Edmund B., assignor.)
Draper Corporation. (See Brown, Carl D., assignor.)
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive. 2,188,099; Jan. 23.
Drollinger, Hermann, Pforzheim, Germany. Friction wheel pocket lighter. 2,188,000; Jan. 23.
Duael, Alexander J., Lombard, and S. Pavlinek, Cicero, Ill.; said Pavlinek assignor to said Duael. Pipe line coating machine. 2,188,001; Jan. 23.
Dube, John E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Pressure indicating device. 2,188,177; Jan. 23.
Dubsky, Arthur, Vienna, Austria. Pyrophoric lighter. 2,188,037; Jan. 23.
Duncan Tank & Welding Co. (See Stewart, Ray, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, Ira, assignor.)
Duquesne Slag Products Company. (See Winkleman, Edward J., assignor.)
Enid, John R., Chicago, Ill., assignor to S. A. Ziegler, as trustee. Shock absorber hub. 2,187,938; Jan. 23.
Eakin, Perry V., Kansas City, Mo. Air conditioned bed compartment. 2,188,078; Jan. 23.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Connector for sector conductor cables. 2,188,178; Jan. 23.
Egy, Willard L., assignor to W. & L. E. Gurley, Troy, N. Y. Vernier microscope. 2,188,038; Jan. 23.
Eickman, Walter C., Dayton, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Paper cutter. 2,187,827; Jan. 23.
Eisenberg, Irwin W., assignor, by mesne assignments, to J. E. Johnson, Chicago, Ill. Lamp control circuit. 2,188,263; Jan. 23.
Elastic Rail Spike Corporation. (See Kuckuck, Berthold, assignor.)
Electric & Musical Industries Limited. (See Hardwick, J., and White, assignors.)
Elmstedt, Otto C., et al. (See Cox, Raymond E., assignor.)
Ennis, Edward C., Chicago, Ill. Wax covering for food products. 2,187,734; Jan. 23.

Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Container. 2,187,735; Jan. 23.

Ericson, George R., assignor to Carter Carburetor Corporation, St. Louis, Mo. Windshield wiper. 2,187,876; Jan. 23.

Evans, Gwynne, St. Louis, Mo. Improving the flavor of coffee. 2,188,179; Jan. 23.

Eyman, Frank H., Oak Park, assignor to Art Novelty Manufacturing Company, Chicago, Ill. Seal press. 2,187,773; Jan. 23.

Eytman, Frank A., Turlock, Calif. Circuit breaker for motor vehicles. 2,188,144; Jan. 23.

Fabriques de Produits de Chemie Organique de Laire. (See Langlois, G. A., and Deidoson, assignors.)

Fahnestock, Adam G., Lititz, Pa. Mower. 2,188,110; Jan. 23.

Failing, George E., Supply Company, The. (See Caldwell, Walter T., assignor.)

Failing, George E., Supply Company, The. (See Caldwell, W. T., and Lang, assignors.)

Falkenberg, William P. (See Hall, J. R., and Falkenberg.)

Farmer, John A., Lancaster, assignor to A. H. Hoffman, Inc., Landisville, Pa. Sealing bags. 2,188,039; Jan. 16.

Farr, Henry W., Royal Oak, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor device. 2,188,002; Jan. 23.

Fawick, Thomas L., Akron, Ohio. Reverse gear. 2,187,967; Jan. 23.

Felt, Clarence E., and L. J. Huber, Minneapolis, Minn., assignors to General Mills, Inc. Expanded farinaceous cereal and making the same. 2,188,180; Jan. 23.

Ferris, Carlton R., Charleston, and E. T. Carte, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Spray drying thermoplastic resins. 2,187,877; Jan. 23.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole pressing machine. 2,187,828; Jan. 23.

Flierl, Harrington. (See Grimm, Royce, assignor.)

Folmer Graflex Corporation, The. (See Steiner, Oscar, assignor.)

Foote Bros. Gear and Machine Corporation. (See Markoe, James, assignor.)

Ford Amusement Devices, Inc. (See Squire, Nathen E., assignor.)

Fordyce, Rufus G., Chicago, Ill., assignor to Luminous Processes, Inc., New York, N. Y. Self-luminous keyhole locator. 2,188,264; Jan. 23.

Foss, Adam G., Detroit, Mich. Radio station control system. 2,187,851; Jan. 23.

Foxboro Company, The. (See Frymoyer, Webster W., assignor.)

Francis, Victor J., North Wembley, England, assignor to General Electric Company. Electric discharge lamp adapted for use as source in optical projection apparatus. 2,187,774; Jan. 23.

Franklin Railway Supply Company. (See Washburn, Edgar, assignor.)

Frantz, Samuel G., Princeton, N. J., assignor to Radio Corporation of America, New York, N. Y. Remote indicating system. 2,188,145; Jan. 23.

Fraula, William S., Suffern, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Machine for manufacturing brake shoe inserts. 2,188,146; Jan. 23.

Frazier-Simplex, Inc. (See Killingsworth, William M., assignor.)

Fredrickson, Edward A. (See Zinkil, R. H., and Fredrickson.)

Freudenberger, Heinrich. (See Hopff, H., Steinbrunn, and Freudenberger.)

Friddle, William D., Greenville, S. C. Fracture nail and fracture nail driver. 2,187,852; Jan. 23.

Friedman, Samuel M., Brooklyn, N. Y. Transmission mechanism. 2,187,968; Jan. 23.

Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Push-pull tube arrangement. 2,187,775; Jan. 23.

Frova, Giovanni, Milan, Italy. Fruit pitting machine. 2,188,181; Jan. 23.

Frymoyer, Webster W., assignor to The Foxboro Company, Foxboro, Mass. Telemetric system. 2,188,100; Jan. 23.

Fulton Syphon Company, The. (See Dube, John E., assignor.)

Furby, Robert L., Oswego, Oreg. Automatic liquid proportioner. 2,188,040; Jan. 23.

Gallagher, John P., Jersey City, N. J., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car end interlock. 2,187,776; Jan. 23.

Gallup, George B., Bradenton, Fla., assignor of one-half to E. S. Lang, Rome, N. Y. Astronomical device. 2,188,041; Jan. 23.

Gannett, Chauncey W., assignor to Wellington Machine Company, Wellington, Ohio. Wheel. 2,187,777; Jan. 23.

Ganoung, Florance S., Olean, N. Y. Gaseous tube sign. 2,188,294; Jan. 23.

Gardner, Edward J., assignor to Gardner Manufacturing Company, Horicon, Wis. Humidifier. 2,187,778; Jan. 23.

Gardner, Edward J., assignor to Gardner Manufacturing Company, Horicon, Wis. Atomizing nozzle. 2,187,779; Jan. 23.

Gardner Manufacturing Company. (See Gardner, Edward J., assignor.)

Gates, Major E., Crystal Lake, Ill. Pump. 2,188,003; Jan. 23.

Gee, Norman E., Elkins Park, Pa. Resilient drive unit for locomotives. 2,188,042; Jan. 23.

Gehrke, Friedrich W., Munich, and R. Tiedeken, Grosshadern, near Munich, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Lens system. 2,187,780; Jan. 23.

Geigy, J. R., A. G. (See Agthe, Carl A., assignor.)

Geisselsöder, Albrecht. (See Gottschalk, A., and Geisselsöder.)

General American Precooling Corporation. (See Killingstad, Ralph, assignor.)

General Aniline Works, Inc. (See Baumann, F., and Schwechten, assignors.)

General Aniline Works, Inc. (See Burneleit, W., Mieg, and Wieners, assignors.)

General Aniline Works, Inc. (See Greune, H., Thiele, and Langbein, assignors.)

General Aniline Works, Inc. (See Hartmann E., and Moll, assignors.)

General Aniline Works, Inc. (See Koeberle, K., and Schlichting, assignors.)

General Aniline Works, Inc. (See Munz, Ferdinand, assignor.)

General Aniline Works, Inc. (See Zerweck, W., and Hechtenberg, assignors.)

General Electric Company. (See Brehob, Frederick H., assignor.)

General Electric Company. (See Carson, Ralph B., assignor.)

General Electric Company. (See Eby, Eugene D., assignor.)

General Electric Company. (See Francis, Victor J., assignor.)

General Electric Company. (See Greer, Lanier, assignor.)

General Electric Company. (See Kling, August J., assignor.)

General Electric Company. (See Knowlton, Paul H., assignor.)

General Electric Company. (See Kraft, Hans, assignor.)

General Electric Company. (See Muir, Walter, assignor.)

General Electric Company. (See Smith, Arthur R., assignor.)

General Electric Company. (See Uhlrig, Harry W., assignor.)

General Mills, Inc. (See Felt, C. E., and Huber, assignors.)

Germer, Edmund, Berlin-Wannsee, Germany. Electrical discharge device. 2,187,736; Jan. 23.

Gilinson, Philip J. (See Stevens, B. J., and Gilinson.)

Gilkerson, Vernon M., Oakley, Kans. Attachment for tractor wheels. 2,188,221; Jan. 23.

Gilman, Turner W. (See Herrick, R. H., and Gilman.)

Glass, William H. (See Bush, R. J., and Glass.)

Gleason Works. (See Johanson, Magnus H., assignor.)

Gleason Works. (See Wildhaber, E., Candee, and Witham, assignors.)

Globe-Wernicke Company. (See Link, Forest L. W., assignor.)

Godlewicz, Marian. (See Pilat, S., and Godlewicz.)

Gordon, Claud T., Company. (See Noble, Charles E., assignor.)

Goss Printing Press Company, The. (See Harless, Charles A., assignor.)

Gottschalk, Albert, and A. Geisselsöder, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Rectifier device. 2,188,079; Jan. 23.

Gould, Horace P., Boston, Mass. Arch supporting shoe. 2,188,182; Jan. 23.

Gouldbourn, Joseph, and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,188,093; Jan. 23.

Grabe, Fred W., South Omaha, Nebr. Insect catching apparatus. 2,188,094; Jan. 23.

Grandinetti, Dominic, Elberon, N. J. Liner. 2,188,111; Jan. 23.

Grau, Herbert E., Pasadena, and J. D. Chesnut, San Marino, assignors to Byron Jackson Co., Huntington Park, Calif. Drilling system. 2,187,969; Jan. 23.

Gray Processes Corporation, The. (See Cooke, Horace B., assignor.)

Greer, Edward R., Minneapolis, Minn. Trailer hitch. 2,187,970; Jan. 23.

Greer, Lanier, Lawrence Park, Pa., assignor to General Electric Company. Vehicle drive system. 2,187,781; Jan. 23.

Gregory, Alfred T., assignor to Ranger Engineering Corporation, Farmingdale, N. Y. Variable speed supercharger drive. 2,187,737; Jan. 23.

Greider, Harold W. (See Marc, H., and Greider.)

Greis, Theodor, Cologne-Dellbruck, Germany. Roof covering. 2,188,147; Jan. 23.

Greune, Heinrich, and M. Thiele, Frankfort-on-the-Main-Hochst, and G. Langbein, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuff-sulphonic acids of the dioxazine series. 2,187,853; Jan. 23.

Griffin, Herbert, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Motion picture apparatus. 2,187,803; Jan. 23.

Grimm, Royce, Snyder, assignor to Harrington Flierl, Buffalo, N. Y. Monorunner coasting device. 2,188,080; Jan. 23.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Sanitary apparatus with air gap. 2,187,738; Jan. 23.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Sanitary apparatus for valved air gap. 2,188,132; Jan. 23.

Grosser, Richard, West Englewood, N. J., assignor of thirty-three and one-third per cent to W. L. Morris, New York, N. Y. Elastic woolen fabric. 2,188,183; Jan. 23.

Guest, Albert. (See Neale, J. E., and Guest.)

Gurley, W. & L. E. (See Egy, Willard L., assignor.)

Gurley, W. & L. E. (See Rich, Knowlton H., assignor.)

Guthrie, Joseph A., Baltimore, Md. Ornamental tree. 2,188,081; Jan. 23.

Haas, Lucien L. (See MacKenzie, R. J., and Haas.)

Haegele, Otto P. (See Basquin, O. H., and Haegele.)

Hall, Jawn R., and W. P. Falkenberg, Los Angeles, Calif., assignors to Rayolite Rifle Range Company, Chicago, Ill. Electric target machine with reversing target. 2,188,292; Jan. 23.

Hall, Ralph W., assignor to The Shott Manufacturing Company, Cincinnati, Ohio. Swing or glider. 2,188,004; Jan. 23.

Hallenbeck, George E., and C. Jobst, assignors to Baker Brothers, Inc., Toledo, Ohio. Adaptable machine tool. 2,187,854; Jan. 23.

Harding, William E., Indianapolis, Ind. Communication system. 2,187,829; Jan. 23.

Hardwick, John, West Drayton, and E. L. C. White, Hillington, England, assignors to Electric & Musical Industries Limited. Thermionic tube modulator. 2,187,782; Jan. 23.

Hardwicke-Etter Company. (See Streun, John A., assignor.)

Harless, Charles A., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,188,148; Jan. 23.

Harris-Seybold-Potter Company. (See Eickman, Walter C., assignor.)

Harrison, James M., Linton, Ga. Game device. 2,188,043; Jan. 23.

Harshman, Jennings B. (See Hill, A. M., and Harshman.)

Hartmann, Erich, Leverkusen-Wiesdorf, and F. Moll, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Salt of phthalocyanine sulphonic acid. 2,187,816; Jan. 23.

Hartsuff, Howard K., Beaver, Pa., assignor to Jones & Laughlin Steel Corporation. Chuck. 2,188,095; Jan. 23.

Hartwell, Arthur F. (See Hartwell, Benjamin F., L. L., Jr., and A. F.)

Hartwell, Benjamin F., L. L., Jr., and A. F., Bellows Falls, Vt. Making and premolding heel and quarter sections of boots and shoes. 2,187,783; Jan. 23.

Hartwell, Leslie L., Jr. (See Hartwell, Benjamin F., L. L., Jr., and A. F.)

Hawley, Jesse B. (See Sloan, Edward C., assignor.)

Hay, Donald L., deceased, by M. K. Hay, executrix, Washington, D. C. Fluid pressure reducing valve. 2,187,739; Jan. 23.

Hay, Matilda K., executrix. (See Hay, Donald L.)

Hazeltine Corporation. (See Lewis, Harold M., assignor.)

Hechtenberg, W. (See Zerweck, W., and Hechtenberg.)

Heinze Electric Company. (See Stevens, B., Jr., and Gilinson, assignors.)

Henne, Isabelle, Brooklyn, N. Y. Dental floss throw-away unit. 2,187,899; Jan. 23.

Henry, Beulah L., New York, N. Y. Feeding and aligning device. 2,187,900; Jan. 23.

Hepburn, William M., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Heating apparatus. 2,188,133; Jan. 23.

Hercules Powder Company. (See Billing, Wyly M., assignor.)

Hercules Powder Company. (See Spurlin, H. M., and Pfeiffer, assignors.)

Herrick, Roswell H., and T. W. Gilman, Oak Park, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone substation apparatus. 2,187,901; Jan. 23.

Herrick, Roswell H., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,187,902; Jan. 23.

Herrick, Roswell H., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,187,903; Jan. 23.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,187,784; Jan. 23.

Herter, John R. (See Le Gloahec, V. C. E., and Herter.)

Herzig, Max L. (See Herzig, Morris, assignor.)

Herzig, Morris, Oakland, Calif., assignor to M. L. Herzig, Seattle, Wash. Automatic valve for fluids under intermittent pressure. 2,187,971; Jan. 23.

Hey, Henry W., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,188,279; Jan. 23.

Hibbs, Ralph M., Philadelphia, Pa., assignor of fifty per cent to S. E. Lewis, Middleport, N. Y. Binding means. 2,188,222; Jan. 23.

Hickman, Raymond N., New York, N. Y. Egg tray. 2,188,044; Jan. 23.

Hicks, Harold, Yankton, assignor of one-third to F. L. Vilas and ten per cent to G. Clabaugh, Pierre, S. Dak. Pneumatic tire switch. 2,188,112; Jan. 23.

Hill, Arthur M., and J. B. Harshman, assignors to Stanolind Pipe Line Company, Tulsa, Okla. Collar welding jig. 2,187,878; Jan. 23.

Hillman, Eric S., Berkeley, and V. Lantz, Oakland, assignors to Shell Development Company, San Francisco, Calif. Separating high molecular mixtures. 2,188,045; Jan. 23.

Hobbs, Clarence A. (See Bond, E. R., and Hobbs.)

Hoffman, A. H., Inc. (See Farmer, John A., assignor.)

Hogg, Franklin S., assignor to Hogg Manufacturing Co., Inc., New York, N. Y. Pouring cap for milk bottles. 2,188,184; Jan. 23.

Hogg Manufacturing Co. (See Hogg, Franklin S., assignor.)

Holden, Artemus F. (See Solakian, Haig, assignor.)

Holden, Bertha B., executrix. (See Holden, Richard Roy.)

Holden, Crofton C., assignor to Tilton & Cook Co., Leominster, Mass. Comb. 2,187,939; Jan. 23.

Holden, Richard R., deceased; B. B. Holden, executrix, Highland Park, assignor, by mesne assignments, to R. Roy Holden, Inc., Chicago, Ill. Crossover for overhead trolley systems. 2,188,113; Jan. 23.

Holden, R. Roy, Inc. (See Holden, Richard R., assignor.)

Holek, Václav, Zabovresky, Brunn, assignor to Ceskoslovenska Zbrojovka, A. S., Brno, Brunn, Czechoslovakia. Firing mechanism for automatic firearms. 2,188,046; Jan. 23.

Hollander, Aladar, Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Pumping apparatus. 2,187,972; Jan. 23.

Hopff, Heinrich, and G. Steinbrunn, Ludwigshafen-on-the-Rhine, and H. Freudenberger, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Interpolymerization products of vinyl chloride and esters of maleic acid. 2,187,817; Jan. 23.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Apparatus for producing can bodies. 2,187,740; Jan. 23.

Houck, John C., assignor of one-half to Wickham Bros., Scranton, Pa. Thread throwing machine. 2,188,242; Jan. 23.

Houdry, Eugene J., Rosemont, Pa., assignor to Houdry Process Corporation, Dover, Del. Treatment of heavy hydrocarbon material. 2,187,741; Jan. 23.

Houdry Process Corporation. (See Houdry, Eugene J., assignor.)

Hough, Azel C., Janesville, Wis., assignor to Hough Shade Corporation. Porch shade and operating mechanism. 2,188,134; Jan. 23.

Hough Shade Corporation. (See Hough, Azel C., assignor.)

Hoyt, Hazen L., Great Neck, N. Y. Barrel manufacture. 2,187,804; Jan. 23.

Hoyt, Milton A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wire drawing method and machine. 2,187,785; Jan. 23.

Hubbard, Don C., Auburn, Maine. Surface cleaner. 2,188,114; Jan. 23.

Huber, Louis J. (See Felt, C. E., and Huber.)

Huels, Robert H., Roanoke, Va., assignor to Puritan Mills, Inc. Sleeping and lounging garment. 2,188,265; Jan. 23.

Hughes, John R., Boston, Mass. Convertible car for railway and highway use. 2,188,096; Jan. 23.

Hunter, Louis N., Johnstown, Pa., assignor to The National Radiator Company. Boiler section. 2,188,266; Jan. 23.

Hurley, Albert B., Huntington, N. Y. Light-reflecting and sound-transmitting motion picture apparatus. 2,187,904; Jan. 23.

Hutchinson, Job, Great Neck, N. Y. Rug display apparatus. 2,188,185; Jan. 23.

I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, H., Steinbrunn, and Freudenberger, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Johannes, W., and Zetzsche, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kallmann, H., and Kuhn, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Nelles, Johannes, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Querengässer, Hugo, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Nuesslein, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Voss, A., and Stark, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F., and Linckh, assignors.)

Imhofe, Robert H., assignor to Rex-Watson Corporation, Canastota, N. Y. Bumper for vehicles. 2,188,082; Jan. 23.

Imlay, Frederick J., Cleghorn, Iowa. Endgate. 2,187,855; Jan. 23.

Imperial Chemical Industries Limited. (See Waterman, H. I., and Van Vlodrop, assignors.)

Ingersoll Milling Machine Company, The. (See Kraus, Charles E., assignor.)

International Frictionless Brake Corporation. (See Carpenter, Mason P., assignor.)

International Projector Corporation. (See Griffin, Herbert, assignor.)

Irgens, Finn T., Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Wilmington, Del. Cycle. 2,187,973; Jan. 23.

Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Newark, N. J. Fusion welded treatment of tubular bodies. 2,187,786; Jan. 23.

Jobst, Conrad. (See Hallenbeck, G. E., and Jobst.)

Johannes, Walter, and W. Zetzsche, Premnitz, Westhavelland, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dialyzing apparatus. 2,187,818; Jan. 23.

Johanson, Magnus H., assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for relieving gear cutters. 2,188,005; Jan. 23.

Johnson, Carl O., assignor to R. B. Waite, Springville, N. Y. Buffing and polishing machine. 2,188,223; Jan. 23.

Johnson, James E. (See Eisenberg, Irwin W., assignor.)

Johnson, James S., Pasadena, Calif. Irrigation system. 2,188,243; Jan. 23.

Johnson, James W., assignor to The Atlantic Refining Company, Philadelphia, Pa. Lubricant. 2,187,742; Jan. 23.

Johnson, Karl L., Los Angeles, Calif. Bracket for coffee brewing vessels. 2,187,974; Jan. 23.

Johnson, Theodore L., University City, Mo. Roadway marking. 2,187,879; Jan. 23.

Jones & Laughlin Steel Corporation. (See Hartsuff, Howard K., assignor.)

Jones, Minor S., Knapp, Wis. Bag holder. 2,188,047; Jan. 23.

Jones, Robert M., assignor, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine. Drafting mechanism for rovings, slivers, and the like. 2,187,830; Jan. 23.

Junghans, Helmut, Schramberg-Sulgen, Germany. Mechanical time fuse casing. 2,188,048; Jan. 23.

Kaiser, Fred, Brooklyn, N. Y. Door latch mechanism. 2,188,149; Jan. 23.

Kallmann, Hartmut, Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Investigation of materials with neutrons. 2,188,115; Jan. 23.

Kammer, George S., Budapest, Hungary. Internal combustion engine. 2,187,856; Jan. 23.

Kammer, George S., Budapest, Hungary. Internal combustion engine. 2,187,857; Jan. 23.

Kammerer, Fred W., New York, N. Y. Threshold. 2,188,049; Jan. 23.

Katcher, Morris, New York, N. Y. Hose coupling. 2,188,006; Jan. 23.

Kathriner, Robert E., Oakland, Calif. Signaling device. 2,188,224; Jan. 23.

Kaysing, Ernest, assignor to Killark Electric Manufacturing Co., St. Louis, Mo. Threadless pipe connecter. 2,187,880; Jan. 23.

Kelly, John W. (See Ledwinka, J., and Kelly.)

Kennedy, Francis C. (See Castricum, M., and Kennedy.)

Kennerly Dress, Inc. (See Veccia, James, assignor.)

Kern, Rudolf, Oschatz, assignor to the firm Chemische Fabrik R. Baumheier Kommanditgesellschaft, Oschatz-Zschollau, Germany. Producing impregnating compositions. 2,187,858; Jan. 23.

Kershaw, Arthur G., and K. H. Leech, London, England, assignors, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 2,187,940; Jan. 23.

Kestell, Thomas A. (See Gouldbourn, J., and Kestell.)

Kiefer, Karl, Machine Company, The. (See Rheinstrom, James A., assignor.)

Kiesel, Oscar. (See Arquint, H., and Kiesel.)

Killark Electric Manufacturing Co. (See Kaysing, Ernest, assignor.)

Killingstad, Ralph, New Smyrna, Fla., assignor, by mesne assignments, to General American Precooling Corporation, Chicago, Ill. Process and apparatus for conditioning commodities. 2,187,859; Jan. 23.

Killingsworth, William M., Claysville, Pa., assignor to Frazier-Simplex, Inc. Air conditioning. 2,187,905; Jan. 23.

King, Dale B., Piru, Calif. Emasculator. 2,187,881; Jan. 23.

King, William W., Portage La Prairie, Manitoba, Canada. Window bracket. 2,187,941; Jan. 23.

Kinzle, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Valve. 2,187,787; Jan. 23.

Kirchner, Henry P., and C. E. Woddell, assignors to The Carborundum Company, Niagara Falls, N. Y. Granular coated article. 2,187,743; Jan. 23.

Kistler, Samuel S., Worcester, Mass. Inorganic aerogel compositions. 2,188,007; Jan. 23.

Klemme, Roland M. (See Miller, Fred A., assignor.)

Kling, August J., Schenectady, N. Y., assignor to General Electric Company. Discharge device. 2,188,186; Jan. 23.

Klingelnberg, W. Ferd., Söhne. (See Schicht, Heinrich, assignor.)

Knowlton, Paul H., Schenectady, N. Y., assignor to General Electric Company. Emergency governing apparatus. 2,188,187; Jan. 23.

Koeberle, Karl, and O. Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. High-molecular organic compound. 2,187,819; Jan. 23.

Köppel, Georg. (See Baier, G., and Köppel.)

Koppen, Otto C., Newton, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Extendible slotted deflector flap. 2,188,083; Jan. 23.

Kraft, Hans, Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,187,788; Jan. 23.

Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Method of and apparatus for face milling. 2,187,744; Jan. 23.

Kuckuck, Berthold, Mount Vernon, assignor to Elastic Rail Spike Corporation, New York, N. Y. Resilient rail spike. 2,188,084; Jan. 23.

Kuhn, Clarence W., and A. P., Charbonneau, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Thermal protective switch. 2,187,975; Jan. 23.

Kuhn, Ernst. (See Kallmann, H., and Kuhn.)

Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Window structure. 2,188,050; Jan. 23.

La Delfa, Philip A., Perry, N. Y. Combined radiator protector and emergency tank. 2,187,976; Jan. 23.

Landers, Maurice B. (See Norrman, E., and Landers.)

Landis & Gyr., A. G. (See Wiedemeier, Alfred, assignor.)

Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. High impedance band pass filter. 2,187,805; Jan. 23.

Lang, Ellen S. (See Gallup, George B., assignor.)

Lang, John P. (See Caldwell, W. T., and Lang.)

Langbein, Gerhard L. (See Greune, H., Thiele, and Langbein.)

Lange, Max E., Cleveland Heights, Ohio. Overdrive indicator. 2,187,831; Jan. 23.

Langlois, Gilbert A., and A. M. Deloison, Calais, assignors to Fabriques de Produits de Chimie Organique de Laire, Issy, Seine, France. Pyridine carboxylic acid morpholides. 2,188,244; Jan. 23.

Lantz, Vernon. (See Hillman, E. S., and Lantz.)

Lantz, Vernon, Oakland, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,188,051; Jan. 23.

Lanz, George J., Wilkinsburg, Pa. Fluid pressure brake system. 2,187,789; Jan. 23.

Large, Bert E., Lincoln, Nebr. Back washer. 2,187,977; Jan. 23.

Lassen, Sven H., Los Angeles, assignor to Philip R. Park, Inc., Outer Harbor, San Pedro, Calif. Concentrating vitamins from fish press water. 2,188,008; Jan. 23.

Lauster, Franz, Hanau-on-the-Main, Germany. Lead-in conductor for mercury vapor tubes. 2,187,860; Jan. 23.

Lavigne, Joseph P., assignor to Metal Mouldings Corporation, Detroit, Mich. Hinge structure. 2,188,052; Jan. 23.

Law, George H., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Olefin oxidation and catalyst therefor. 2,187,882; Jan. 23.

Lawandus, John, Buffalo, N. Y. Shoe construction. 2,188,225; Jan. 23.

Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenating amides and imides to amines. 2,187,745; Jan. 23.

Lear, William P. (See Nulsen, M. E., Yoder, and Lear.)

Leavenworth, Frank G., Oak Park, assignor, by mesne assignments, to Packers Machinery Company, Chicago, Ill. Apparatus for measuring intestines. 2,187,790; Jan. 23.

Lecher, Hans Z., Plainfield, and R. C. Conn, Bound Brook, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Separation of aromatic amines from iron sludge. 2,187,820; Jan. 23.

Ledwinka, Joseph, and J. W. Kelly, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Combined body and chassis underframe. 2,188,267; Jan. 23.

Lee, Marvin, Rye, and J. Rogoff, New York, N. Y., assignors to Burndy Engineering Co., Inc. Connector with washer cap. 2,188,135; Jan. 23.

Leech, Kenneth H. (See Kershaw, A. G., and Leech.)

Lefevre, Lorin, Great Falls, Mont., Machine for aerating water. 2,187,746; Jan. 23.

Le Gloahec, Victor C. E., Rockland, Maine, and J. R. Herter, assignors to Algin Corporation of America, New York, N. Y. Removal and recovery of laminarine from seaweed. 2,188,092; Jan. 23.

Lemmon, Norman E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Refining viscous hydrocarbon oils. 2,187,883; Jan. 23.

Lenz, Gerold B. (See Cornell, Leo, R., assignor.)

Lewis, Arthur W. (See Colin, P. G., and Lewis.)

Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Modulated-carrier signal-translating system. 2,187,978; Jan. 23.

Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)

Lewis, Stephen E. (See Hibbs, Ralph M., assignor.)

Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator of vulcanization. 2,188,280; Jan. 23.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brake hanger bracket. 2,188,268; Jan. 23.

Linckh, Eduard. (See Winkler, F., and Linckh.)

Linde Air Products Company, The. (See Baird, A. W., and Outcalt, assignors.)

Linde Air Products Company, The. (See Davis, Arthur W., assignor.)

Linde, John A., Brooklyn, N. Y. Orthodontic adjusting tool. 2,187,747; Jan. 23.

Lindeberg, Carl, De Kalb., Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Accordion construction. 2,188,085; Jan. 23.

Lindsay, John D., Wilmette, and E. J. Wiggins and J. A. Press, Chicago, Ill., assignors to American Emblem Company, Inc., New Hartford, N. Y. Visual tuning indicator. 2,188,136; Jan. 23.

Link, Forest L. W., Silverton, assignor to The Globe-Wernicke Company, Norwood, Ohio. Follower for card drawers or the like. 2,187,832; Jan. 23.

Link-Belt Company. (See Weiss, Charles R., assignor.)

Lipps, William D., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Brush making machine. 2,187,791; Jan. 23.

Lock, George M., and A. O. Rasmussen, Modesto, Calif. Bean cutter. 2,187,833; Jan. 23.

Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,187,942; Jan. 23.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,187,943; Jan. 23.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,187,944; Jan. 23.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,187,945; Jan. 23.

Lorenz, C., Aktiengesellschaft. (See Berthold, Hans, assignor.)

Lorenz, C., Aktiengesellschaft. (See Gottschalk, A., and Geisselsöder, assignors.)

Lorenz, C., Aktiengesellschaft. (See Scharfnagel, Rudolf, assignor.)

Lowe, Ernest A., Fanwood, assignor to The Airelease Corporation, Jersey City, N. J. Thermal relief valve. 2,187,906; Jan. 23.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Brake control mechanism. 2,188,281; Jan. 23.

Luminous Processes, Inc. (See Fordyce, Rufus G., assignor.)

Lyon, George A., Allenhurst, N. J. Apparatus for controlling flow of air to radiators. 2,187,946; Jan. 23.

Macellaro, Anthony, and A. Tornese, Brooklyn, N. Y. Glass beveling machine. 2,187,748; Jan. 23.

Machlet, Adolph W., Elizabeth, N. J. Casing ferrous articles. 2,188,226; Jan. 23.

MacKenzie, Roy J., and L. L. Haas, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 2,188,202; Jan. 23.

Macy, Clarence A. (See Patterson, E. V., and Macy.)

Macy, Susan R., executrix. (See Macy, Clarence A.)

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,187,907; Jan. 23.

Madsen, Sern, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa. Assembling device. 2,188,053; Jan. 23.

Madsen, Sern, assignor to Curtis Companies Incorporated, Clinton, Iowa. Double hung window. 2,188,054; Jan. 23.

Malat, Frank J., assignor to Astatic Microphone Laboratory, Inc., Youngstown, Ohio. Support for microphones and the like. 2,188,150; Jan. 23.

Malcolm, Vincent T., assignor to The Chapman Valve Mfg. Co., Indian Orchard, Mass. Heat treating. 2,188,137; Jan. 23.

Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Metal alloy. 2,188,138; Jan. 23.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapper mechanism. 2,188,282; Jan. 23.

Malishev, Boris, Elizabeth, N. J., assignor of thirty and one-third percent to Universal Development Corporation, and three percent to J. P. Nikonow, New York, N. Y. Catalytic conversion of gaseous hydrocarbons. 2,188,057; Jan. 23.

Mallory, P. R., & Co. (See Nulsen, M. E., Yoder, and Lear, assignors.)

Malpas, Ellis G., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring. 2,187,979; Jan. 23.

Manchester, Frank H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber product and producing the same. 2,188,283; Jan. 23.

Mansbach, Willy. (See Pringsauf, Karl, assignor.)

Mansfield, William E., Garfield Heights, Ohio. Aluminum base alloy. 2,188,203; Jan. 23.

Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Magnetic valve. 2,187,834; Jan. 23.

Marc, Henri, Cincinnati, and H. W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Bituminous mixture. 2,188,204; Jan. 23.

Mark, Clayton, & Company. (See Mark, Harry R., assignor.)

Mark, Harry R., Evanston, assignor to Clayton Mark & Company, Chicago, Ill. Pump rod coupling and making the same. 2,187,884; Jan. 23.

Markham, Charles E., East St. Louis, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,187,885; Jan. 23.

Markoe, James, St. Paul, Minn., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Hitch for road graders and the like. 2,188,188; Jan. 23.

Marks, Charles A., Elkhart, Ind. Microscopic revolving map. 2,187,947; Jan. 23.

Marsh, Howard E., and G. Smith, Ventura, Calif. Automatic signaling apparatus. 2,188,055; Jan. 23.

Marshall, Clinton E., Bronx, N. Y. Pen and pencil clip. 2,188,151; Jan. 23.

Martel, Gervis, Eunice, La. Cotton planter. 2,187,861; Jan. 23.

Martin, Albert V., Elmwood Park, Ill. Fire extinguisher. 2,187,980; Jan. 23.

Martin, Fred P., Topeka, Kans. Mowing machine. 2,187,981; Jan. 23.

Martin, Thomas B., Ithaca, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Variable speed transmission. 2,187,835; Jan. 23.

Marvin Metals, Inc. (See Marvin, Orrin F., assignor.)

Marvin, Orrin F., Glendale, assignor to Marvin Metals, Inc., Los Angeles, Calif. Manufacturing of lead compounds. 2,187,749; Jan. 23.

Marvin, Orrin F., assignor to Marvin Metals, Inc., Los Angeles, Calif. Treatment of ores. 2,187,750; Jan. 23.

Mathieu, André J. (See Ruffo, Paul, assignor.)

Mayo, Edward L., assignor to Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat. 2,187,886; Jan. 23.

Maytag Company, The. (See Mikulasek, John, assignor.)

McCollum, Andrew O. (See Scott, R. W., and McCollum.)

McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,188,152; Jan. 23.

McCreary, Harold J., Genoa, Ill. Electromagnetic wave transmission. 2,187,908; Jan. 23.

McGiffert, John R., assignor to Clyde Iron Works, Inc., Duluth, Minn. Yarder mounting. 2,187,909; Jan. 23.

McHale, Michael J., Scranton, Pa. Flier construction. 2,187,862; Jan. 23.

Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Golf ball cover. 2,188,284; Jan. 23.

Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Golf ball cover. 2,188,285; Jan. 23.

Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Laminated rubber gasket. 2,188,286; Jan. 23.

Mesinger, Henry, Mount Vernon, N. Y. Resilient support for saddles. 2,188,153; Jan. 23.

Metal Mouldings Corporation. (See Lavigne, Joseph P., assignor.)

Metcalf, Herbert E., Walnut Creek, assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif. Vehicle signaling system. 2,188,058; Jan. 23.

Middelboe, Kristian. (See Borch, N. S., and Middelboe.)

Middleton, Albert M., East Lansdowne, Pa. Reversible self-cleaning radiator. 2,188,245; Jan. 23.

Mid-West Forge Company. (See Ruden, Arthur C., assignor.)

Mid-West Bottle Cap Co. (See Sonnenberg, Rudolph, assignor.)

Mieg, Walter. (See Burneleit, W., Mieg, and Wieners.)

Mieth, Herman, Louisville, Ky. Card holding attachment for writing machines. 2,187,887; Jan. 23.

Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Safety release for wringers. 2,188,009; Jan. 23.

Miller, Edmund, Jr., Bayside, N. Y. Combination carburetor and supercharger. 2,188,189; Jan. 23.

Miller, Fred A., St. Johns, assignor to R. M. Klemme, St. Louis, Mo. Steam-discharging pressing iron. 2,188,010; Jan. 23.

Miller, Fred A., St. Johns, assignor to R. M. Klemme, St. Louis, Mo. Steaming pressing iron. 2,188,011; Jan. 23.

Miller, William J., Swissvale, Pa. Method of and apparatus for manufacturing pottery ware. 2,187,836; Jan. 23.

Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)

Minerals Separation North American Corporation. (See Brown, E. H., and Williams, assignors.)

Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)

Mirone, Eligio, Turin, Italy. Automatic change speed gear. 2,188,246; Jan. 23.
Mitscherling, Waldemar O., assignor to The Neon Research Corporation, Bridgeport, Conn. Resolution of hydrocarbon emulsions. 2,188,269; Jan. 23.
Mohler, Valentin J., River Forest, assignor to Central Commercial Company, Chicago, Ill. Musical instrument. 2,187,910; Jan. 23.
Mohler, Valentin J., River Forest, assignor to Central Commercial Company, Chicago, Ill. Pedal board. 2,187,911; Jan. 23.
Moll, Friedrich. (See Hartmann, E., and Moll.)
Moncrief, James B., Copperhill, Tenn. Air-conditioning system and apparatus. 2,187,982; Jan. 23.
Monolith Portland Cement Company. (See West, C. T., and Treshow, assignors.)
Moore, Eugene T., Miami, Fla. Tube holder. 2,188,227; Jan. 23.
Moore, Francis, assignor to Albert Specialty Company, Chicago, Ill. Developing tank. 2,187,948; Jan. 23.
Moore, Francis J., Minneapolis, Minn. Stirrup pad. 2,187,983; Jan. 23.
Moore, John W., Detroit, Mich. Wall hanger for radiators. 2,187,984; Jan. 23.
Moos, Georges, Zurich, Switzerland. Vaginal injection appliance. 2,188,190; Jan. 23.
Morf, Ernest, La Chaux-de-Fonds, Switzerland. Watch crystal for watertight watches. 2,187,863; Jan. 23.
Morgan Machine Company. (See Patterson, E. V., and Macy, assignors.)
Morgan, Stanley O., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric substance and producing it. 2,188,154; Jan. 23.
Morris, William L. (See Grosser, Richard, assignor.)
Mossberg, Frank, Attleboro, Mass. Beam head. 2,188,086; Jan. 23.
Moulthrop, Lembert H., Bridgeport, Conn. Electric soldering device. 2,187,806; Jan. 23.
Mruk, Laudie J., Milwaukee, Wis. Interchangeable self-cleaning rake. 2,187,985; Jan. 23.
Muckey, Lawrence A., Mapleton, Iowa. Fishing rod. 2,187,807; Jan. 23.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 2,188,228; Jan. 23.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Work support for blind stitch sewing machines. 2,188,229; Jan. 23.
Muir, Walter, Schenectady, N. Y., assignor to General Electric Company. Electrical switch. 2,187,792; Jan. 23.
Müller, Frieda geb Mainusch, Berlin-Charlottenburg, Germany. Shirt. 2,188,056; Jan. 23.
Münz, Ferdinand, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Wetting agent for alkaline mercerizing solutions. 2,188,287; Jan. 23.
Nachumsohn, Irving, Chicago, Ill. Cooking apparatus. 2,187,888; Jan. 23.
National Bearing Metals Corporation. (See Vigne, A., and Cox, assignors.)
National Distillers Products Corporation. (See Pattee, Ellis C., assignor.)
National Radiator Company, The. (See Hunter, Louis N., assignor.)
National Standard Company. (See Pierce, Robert C., assignor.)
National Supply Company, The. (See Texter, Howard G., assignor.)
National Battery Company. (See Davis, Espy G., assignor.)
Neale, John E., and A. Guest, Coventry, England. Gas burner. 2,188,116; Jan. 23.
Nebel Knitting Company. (See Reitan, Oliver M., assignor.)
Nelles, Johannes, Leverkusen-Schlebusch, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of titanium alcoholates and phenolates. 2,187,821; Jan. 23.
Nelson, James H., assignor to The Dumore Company, Racine, Wis. Preload adjustment for ball bearings. 2,188,251; Jan. 23.
Neon Research Corporation, The. (See Mitscherling, Waldemar O., assignor.)
New England Alcohol Company. (See Bump, Albert H., assignor.)
Newport, Jesse H., Kenilworth, Ill. Air conditioning unit. 2,187,880; Jan. 23.
Newsom, Kitchener K., San Francisco, Calif. Filler and flat for containers. 2,187,751; Jan. 23.
Nicholson, Henry H., Boulder, Colo. Crusher. 2,188,230; Jan. 23.
Nicks, Samuel R., Houston, Tex. Justifying and variable spacing typing machine. 2,188,252; Jan. 23.
Nikonow, John P., et al. (See Mallshev, Boris, assignor.)
Nixon, Bart N., et al. (See Compton, Loyd W., assignor.)
Nixon, Marvin O., et al. (See Compton, Loyd W., assignor.)
Noble, Charles E., Cleveland, Ohio, assignor to Claud T. Gordon Company, Chicago, Ill. Pyrometer tube. 2,187,949; Jan. 23.
Norrman, Ernst, Chicago, Ill., and Maurice B. Landers, New York, N. Y. Apparatus for timing watches. 2,188,059; Jan. 23.
Nuesslein, Joseph. (See Ulrich, H., and Nuesslein.)
Nulsen, Marvin E., Indianapolis, Ind., R. S. Yoder, Chicago, Ill., and W. P. Lear, New York, N. Y., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Magnetic interrupter. 2,187,950; Jan. 23.
Olsen, Anders C., Ambler, Pa. Building structure. 2,187,752; Jan. 23.
Osborne, Horace A., assignor, by mesne assignments, of two-fifths to Webster Electric Company, Racine, Wis. Floating tool holder. 2,188,205; Jan. 23.
Outboard, Marine & Manufacturing Company. (See Irgens, Finn T., assignor.)
Outcalt, Frederick G. (See Baird, A. W., and Outcalt.)
Ox Fibre Brush Company. (See Lipps, William D., assignor.)
Oxweld Acetylene Company. (See De Motte, Maurice P., assignor.)
Oxweld Acetylene Company. (See De Motte, M. P., Baker, and Pierson, assignors.)
Paasche, Jens A., Wilmette, Ill. Multiple action surface treatment. 2,187,837; Jan. 23.
Packers Machinery Company. (See Leavenworth, Frank G., assignor.)
Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making composite bearing strips. 2,187,864; Jan. 23.
Park, Philip R., Inc. (See Lassen, Sven H., assignor.)
Parker Brothers, Inc. (See Parker, George S., assignor.)
Parker, George S., Peterboro, N. H., assignor to Parker Bothers, Inc., Salem, Mass. Game. 2,187,808; Jan. 23.
Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation, New York, N. Y. Continuous solvent extraction apparatus. 2,187,890; Jan. 23.
Patterson, Earle V., Pittsford, and C. A. Macy, deceased; S. R. Macy, executrix, assignors to Morgan Machine Company, Inc., Rochester, N. Y. Nailing machine. 2,188,117; Jan. 23.
Patterson, Frank. (See Swensen, M., and Patterson.)
Pavlinek, Stephen. (See Duael, A. J., and Pavlinek.)
Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Annealing steel. 2,188,155; Jan. 23.
Peirce, Ralph S., Hinsdale, Ill. Road anchoring means. 2,187,912; Jan. 23.
Penick, Arthur J. and K. T., Houston, Tex. Valve removing tool. 2,187,838; Jan. 23.
Penick, Arthur J. and K. T., Houston, Tex. Casing head. 2,187,839; Jan. 23.
Penick, Arthur J., Houston, Tex. Seating tool. 2,187,840; Jan. 23.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Penn, Frederic H., Dallas, Tex. Method and composition for improving milling products. 2,188,247; Jan. 23.
Pentland, Frank A. (See Sherwood, J. J., and Pentland.)
People of the United States of America, Dedicated to the free use of the. (See Thompson, Clifford J., assignor.)
Peterson, Edward S., Elmwood Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,187,951; Jan. 23.
Pfeiffer, Gustave H. (See Spurlin, H. M., and Pfeiffer.)
Pfeiffer, Henry W., Philadelphia, Pa., and H. O. Danz, assignors to American Blower Corporation, Detroit, Mich. Apparatus for dust collection. 2,188,206; Jan. 23.
Pierce, John B., Foundation. (See Groeninger, William C., assignor.)
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Wire winding apparatus. 2,187,841; Jan. 23.
Pierson, Ralph C. (See De Motte, M. P., Baker, and Pierson.)
Pilat, Stanislaw, and M. Godlewicz, Lwow, Poland, assignors to Shell Development Company, San Francisco, Calif. Separating high molecular mixtures. 2,188,012; Jan. 23.
Pilat, Stanislaw, and M. Godlewicz, Lwow, Poland, assignors to Shell Development Company, San Francisco, Calif. Separating high molecular mixtures. 2,188,013; Jan. 23.
Pittsburgh Equitable Meter Company. (See Potter, William S., assignor.)
Plass, Robert H., Upper Montclair, N. J. Apparatus for mounting fur upon a carrier sheet. 2,188,156; Jan. 23.
Poluzzi, Remo, Rome, Italy. Apparatus for washing fruits, vegetables, and the like. 2,187,891; Jan. 23.
Pond, Clarke P., Philadelphia, Pa. Sash-operating device. 2,188,231; Jan. 23.
Portmann, August, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Radial connecting rod assembly. 2,188,118; Jan. 23.
Possenti, Aurelio, Guidonia, Italy, assignor to E. Rietti, Paris, France, and A. Possenti, Guidonia, Italy. Valve for combustion motors. 2,188,248; Jan. 23.
Potter, William S., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Radio frequency drift indicator. 2,187,865; Jan. 23.
Powell, Eric S., Evansville, Ind. Pencil clip. 2,188,232; Jan. 23.

Prentice, Robert B., Houma, La. Centralizer and protector for an oil well string. 2,188,119; Jan. 23.
Press, John A. (See Lindsay, J. D., Wiggins, and Press.)
Pringsauf, Karl, Heidelberg, Germany, assignor to W. Mansbach, London, England. Paste dispensing device. 2,188,249; Jan. 23.
Proctor, B. A., Company. (See Proctor, Barton A., assignor.)
Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Phonograph drive. 2,188,087; Jan. 23.
Proelsdorfer, Gustav, Newark, N. J. Toy musical instrument. 2,188,157; Jan. 23.
Puritan Mills, Inc. (See Huels, Robert H., assignor.)
Pyrene-Minimax Corporation. (See Timpson, Lewis G. M., assignor.)
Querengässer, Hugo, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of pigments. 2,187,822; Jan. 23.
Quinby, William F., Long Island City, assignor to The Teleregister Corporation, New York, N. Y. Transmitting means. 2,187,892; Jan. 23.
Quinn, Clara E., assignor to Broquinda, Inc., St. Petersburg, Fla. Refrigerated container. 2,187,913; Jan. 23.
Rabuazzo, Salvatore, New York, N. Y. Accordion. 2,187,809; Jan. 23.
Radio Corporation of America. (See Frantz, Samuel G., assignor.)
Radio Corporation of America. (See Landon, Vernon D., assignor.)
Radio Corporation of America. (See Thomas, Adolph A., assignor.)
Radio Corporation of America. (See Tringham, William S. L., assignor.)
Ramsey, Fred J., Harrisburg, Pa. Automatic transmission. 2,188,233; Jan. 23.
Ranger Engineering Corporation. (See Gregory, Alfred T., assignor.)
Rasmussen, Arthur O. (See Lock, G. M., and Rasmussen.)
Rastetter, William C., Fort Wayne, Ind. Folding chair. 2,188,207; Jan. 23.
Rausch, Harry L. (See Aller, W. F., and Rausch.)
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Door latch. 2,188,139; Jan. 23.
Rayolite Rifle Range Company. (See Hall, J. R., and Falkenberg, assignors.)
Read, Cyrus T., Chicago, Ill. Radio tuning system. 2,187,986; Jan. 23.
Real Estate-Land Title and Trust Company, The. (See Brown, Francis H., assignor.)
Redington, F. B., Co. (See Malhiot, Clarence J., assignor.)
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Control for variable speed drives. 2,188,253; Jan. 23.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Reitan, Oliver M., assignor to Nebel Knitting Company, Charlotte, N. C. Hosiery testing apparatus. 2,187,914; Jan. 23.
Relue, Walter M., Jr., Fort Wayne, Ind. Shingle. 2,188,208; Jan. 23.
Rentz, Frank B., assignor to H. Barnick, Wells, Minn. Glare shield eyeglass. 2,187,810; Jan. 23.
Rexair, Inc. (See Brock, Clarence A., assignor.)
Rex-Watson Corporation. (See Imhofe, Robert H., assignor.)
Rheinstrom, James A., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Container unloading and routing means. 2,187,842; Jan. 23.
Rhindress, Walter H. (See Burrows, A., and Rhindress.)
Rice, Frank E., assignor to American Tap-Bush Company, Detroit, Mich. Beer dispensing device. 2,187,793; Jan. 23.
Rich, Knowlton H., Cropseyville, assignor to W. & L. E. Gurley, Troy, N. Y. Vernier microscope. 2,188,014; Jan. 23.
Richardson, Harry B., Roselle, N. J. Table top structure. 2,187,893; Jan. 23.
Rietti, Edgardo, et al. (See Possenti, Aurelio, assignor.)
Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)
Robins, Samuel D., assignor to Robins Conveying Belt Company, New York, N. Y. Power transmission for oscillatory bodies. 2,188,060; Jan. 23.
Rock, George L., North Adams, Mich. Screw driver. 2,188,158; Jan. 23.
Rockwood, George H., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas-filled space discharge tube circuits. 2,188,159; Jan. 23.
Rogoff, Julian. (See Lee, M., and Rogoff.)
Rolscreen Company. (See Kuyper, Peter H., assignor.)
Rooney, James H., and B. Shaw, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of artificial textile and other materials. 2,188,100; Jan. 23.
Roos, Wendel V., New York, N. Y. Hermetically sealed automatic closure for collapsible tubes and the like. 2,188,191; Jan. 23.
Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Box closing tool. 2,188,161; Jan. 23.
Ruden, Arthur C., Euclid, assignor to Mid-West Forge Company, Cleveland, Ohio. Method of and apparatus for rolling blanks. 2,187,753; Jan. 23.
Ruffo, Paul, assignor of one-half by mesne assignments, to A. J. Mathieu, Miami, Fla. Ball and socket joint. 2,187,915; Jan. 23.
Ruggiero, John. (See Torrens, Robert G., assignor.)
Rusche, William I., Cincinnati, Ohio. Fender guard. 2,187,952; Jan. 23.
Ruths, Robert J., Baltimore, Md., and H. L. Dodson, U. S. Navy. Variable pitch propeller. 2,187,754; Jan. 23.
Ryder, Earle A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Forming bearings. 2,187,755; Jan. 23.
Rzeppa, Alfred H., Grosse Pointe, Mich. Driving axle. 2,187,843; Jan. 23.
Saffold, James W., Cleveland, Ohio. Eraser holder. 2,187,894; Jan. 23.
St. Genies, Anne H. J. de L., Versailles, France. Apparatus for copying lenticular films by projection. 2,188,010; Jan. 23.
Sanders, Clyde S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Forming a porous concrete well strainer. 2,187,895; Jan. 23.
Scharfnagel, Rudolf, Stuttgart, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electric discharge vessel. 2,188,061; Jan. 23.
Scharschu, Charles A., Brackenridge, Pa., assignor to Allegheny Steel Company. Manufacture of coated strip for tubing production. 2,187,844; Jan. 23.
Schick, Friedrich, assignor to the firm Deutsche Erdol-Aktiengesellschaft, Berlin-Schoneberg, Germany. Refining of lignite tar, shale tar, peat tar, and the like. 2,188,015; Jan. 23.
Schicht, Heinrich, Huckeswagen, assignor to the firm: W. Ferd. Klingelnberg Söhne, Remscheid-Berghausen, Germany. Tool dressing apparatus for bevel gear generating machines. 2,188,016; Jan. 23.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Arrangement for generating tilting oscillations. 2,188,288; Jan. 23.
Schlichting, Otto. (See Koeberle, K., and Schlichting.)
Schlottmann, John E., Kenedy, Tex. Brooder. 2,188,017; Jan. 23.
Schmidt, Rudolph J., Cleveland Heights, Ohio. Compensating attachment for milling machines. 2,187,794; Jan. 23.
Schmidt, Walter, Berlin, assignor of one-half to F. Deckel, Munich-Prince-Ludwigshohe, Bavaria, Germany. Photographic camera. 2,187,953; Jan. 23.
Scholler, Heinrich, and M. Seidel, Solln, near Munich, Germany. Method of and apparatus for fermenting solutions. 2,188,192; Jan. 23.
Scholler, Heinrich, Munich, Germany. Fermentation process of treating sugar worts. 2,188,193; Jan. 23.
Schröder, Heinrich, Berlin-Waidmannslust, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna winch. 2,188,062; Jan. 23.
Schulhoff, Henry B., New Brunswick, N. J. Sewage treatment. 2,188,162; Jan. 23.
Schwarze, Paul, St. Gallen, Switzerland. Air heater for blast furnaces. 2,188,289; Jan. 23.
Schwechten, Heinz-Werner. (See Baumann, F., and Schwechten.)
Schweizerische Lokomotiv-und Maschinenfabrik. (See Portmann, August, assignor.)
Schwellenbach, Kathrine, New York, N. Y. Metal heel. 2,187,756; Jan. 23.
Schwenn, Eric H., Lansing, Mich. Control for automobiles. 2,188,234; Jan. 23.
Scott, Ray W., and A. O. McCollum, assignors to Bendix Home Appliances, Inc., Detroit, Mich. Circuit controller. 2,187,795; Jan. 23.
Scovill Manufacturing Company. (See Ayotte, Joseph F., assignor.)
Scrimgeour, William, assignor to W. Scrimgeour, Engineer and Contractor, Washington, D. C. Manufacturing kitchen utensils. 2,187,757; Jan. 23.
Scrimgeour, William, Engineer and Contractor. (See Scrimgeour, William, assignor.)
Sealed Power Corporation. (See Malpas, Ellis G., assignor.)
Seco-Lowell Shops. (See Jones, Robert M., assignor.)
Seeger Refrigerator Company. (See Seeger, Walter G., assignor.)
Seeger, Walter G., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator. 2,187,916; Jan. 23.
Seidel, Max. (See Scholler, H., and Seidel.)
Serrano, Edmundo H., St. Louis, Mo. Racket stringing apparatus. 2,188,250; Jan. 23.
Seybold, Frederick W., Westfield, assignor to American Type Founders, Inc., Elizabeth, N. J. Bed motion. 2,187,758; Jan. 23.
Seybold, Frederick W., Westfield, assignor to American Type Founders, Inc., Elizabeth, N. J. Bed motion. 2,187,759; Jan. 23.
Sharp, Henry J., Avalon, assignor of one-half to C. M. Clarke, Sewickley, Pa. Connecting frame members. 2,188,209; Jan. 23.

Shaw, Bernard. (See Rooney, J. H., and Shaw.)
Sheffield Gage Corporation. (See Aller, W. F., and Rausch, assignors.)
Shell Development Company. (See Hillman, E. S., and Lantz, assignors.)
Shell Development Company. (See Lantz, Vernon, assignor.)
Shell Development Company. (See Pilat, S., and Godlewicz, assignors.)
Shell Development Company. (See Smithuysen, Wilhelm C. B., assignor.)
Sherman, Jack, Brooklyn, N. Y. Shower curtain holder. 2,188,163; Jan. 23.
Sherman, John Q., Dayton, Ohio, deceased; K. M. Sherman, W. C. Sherman, and W. B. Turner, executors. Thermal manifolding apparatus. 2,187,760; Jan. 23.
Sherman, Katherine M., executors et al. (See Sherman, John Q., assignors.)
Sherman, William C., executors et al. (See Sherman, John Q., assignor.)
Sherrick, John C., Chicago, Ill. Golf glove. 2,187,987; Jan. 23.
Sherwood, Joseph J., and F. A. Pentland, St. Louis, Mo. Extinguishing burning motion picture films. 2,187,988; Jan. 23.
Shettler, Henry, et al. (See Blocker, Preston B., assignor.)
Shott Manufacturing Company, The. (See Hall, Ralph W., assignor.)
Shrigley, Alfred R. (See Stafford, W. K., and Anderson, assignors.)
Signacator Systems, Inc. (See Metcalf, Herbert E., assignor.)
Signacator Systems, Inc. (See Trautner, Wagn, assignor.)
Silberfeld, Theresa. (See Bois, Nathaniel, assignor.)
Simonson, Alvin E., Kismet, Kans. Planter. 2,188,235; Jan. 23.
Skinner, Benjamin R., and L. Andrews, Denver, Colo. Water heater. 2,187,917; Jan. 23.
Slagh, Harold R. (See Alquist, F. N., and Slagh.)
Sloan, Edward C., assignor to J. B. Hawley, Geneva, Ill. Drying die for fibrous articles. 2,187,918; Jan. 23.
Smidth, F. L., & Company. (See Borch, N. S., and Middelboe, assignors.)
Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine plant. 2,188,194; Jan. 23.
Smith, George K., Moundsville, W. Va. Tire chain tightener. 2,188,120; Jan. 23.
Smith, Glen. (See Marsh, H. E., and Smith.)
Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Making articles of fused silica. 2,188,121; Jan. 23.
Smith, Russell F., Providence, R. I. Manuscript manipulating device for speakers. 2,188,210; Jan. 23.
Smith, Russell J., Richmond Heights, Md. Air conditioner. 2,187,954; Jan. 23.
Smith, William W., East Orange, N. J. Fluid pressure reducing valve. 2,187,811; Jan. 23.
Smithuysen, Wilhelm C. B., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Concentration of aqueous alkene halohydrin solutions. 2,188,254; Jan. 23.
Socony-Vacuum Oil Company. (See Crandall, George S., assignor.)
Solakian, Haig, assignor to A. F. Holden, New Haven, Conn. Case hardening composition. 2,188,063; Jan. 23.
Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Press and clutch therefor. 2,187,955; Jan. 23.
Spaulding, David C., Jr., assignor to The Standard Oil Company, Cleveland, Ohio. Mechanism for making laminated products. 2,188,064; Jan. 23.
Speer, James L., Ponca City, Okla. Tire tool. 2,188,236; Jan. 23.
Spurlin, Harold M., and G. H. Pfeiffer, assignors to Hercules Powder Company, Wilmington, Del. Progressive-burning smokeless powder and manufacture. 2,187,866; Jan. 23.
Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)
Squire, Nathen E., assignor to Ford Amusement Devices, Inc., Chicago, Ill. Shooting gallery. 2,187,989; Jan. 23.
Stafford, Walter K., Newton, and F. W. Anderson, Boston, assignors of one-third to A. R. Shrigley, Hingham, Mass. Combination shut-off and regulator for ovens. 2,188,088; Jan. 23.
Stahl, Charles E., Montclair, assignor to Arcturus Development Company, Newark, N. J. Thermionic tube. 2,188,270; Jan. 23.
Standard Chemical and Mineral Corporation. (See Whittier, Charles C., assignor.)
Standard Oil Company. (See Lemmon, Norman E., assignor.)
Standard Oil Company, The. (See Spaulding, David C., Jr., assignor.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Railway Equipment Manufacturing Company. (See Bonsell, Charles D., assignor.)
Standard Railway Equipment Manufacturing Company. (See Gallagher, John P., assignor.)
Stanley Works, The. (See Raymond, Horace H., assignor.)
Stanolind Oil and Gas Company. (See Sanders, Clyde S., assignor.)
Stanolind Pipe Line Company. (See Hill, A. M., and Harshman, assignors.)
Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)
Stark, Hermann. (See Voss, A., and Stark.)
Steinacker, Peter, Oelde, Westphalia, Germany. Clarifying process for molasses. 2,187,990; Jan. 23.
Steinbrunn, Gustav. (See Hopff, H., Steinbrunn, and Freudenberger.)
Steiner, Oscar, Irondequoit, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Synchronization of photoflashes with focal plane shutters. 2,188,065; Jan. 23.
Steiner, Waldo L., assignor to Continental Oil Company, Ponca City, Okla. Cutting lubricant. 2,188,255; Jan. 23.
Steingruber, George, Shelbyville, Tenn. Electric space heater. 2,188,122; Jan. 23.
Stember, Bernard, East Orange, N. J. Frame structure for handbags, luggage, and the like. 2,187,796; Jan. 23.
Stevens, Brooks, Jr., Concord, and P. J. Gilinson, assignors to Heinze Electric Company, Lowell, Mass. Electric motor. 2,188,101; Jan. 23.
Stewart, Ray, assignor to Duncan Tank & Welding Co., Duncan, Okla. Dehydration system for oil wells. 2,188,018; Jan. 23.
Streeter-Amet Company. (See Basquin, O. H., and Haegele, assignors.)
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Revoluble mote board. 2,187,867; Jan. 23.
Surface Combustion Corporation. (See Comstock, John A., assignor.)
Surface Combustion Corporation. (See Hepburn, William M., assignor.)
Sutliff, Carleton B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground potential compensator. 2,188,164; Jan. 23.
Swain, Joseph G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Duel rim mounting. 2,188,271; Jan. 23.
Sweitzer, Charles W., Shawnee, Okla. Liquid dispensing apparatus. 2,187,868; Jan. 23.
Swensen, Martin, and F. Patterson, Springfield, Ohio. Manhole cover. 2,188,123; Jan. 23.
Tatalovich, Eli, Herrin, Ill. Clean-out tool. 2,187,845; Jan. 23.
Tedeschi, Achille, Milan, Italy, assignor to J. Clocher, Guttenberg, N. J. Atomizer nozzle. 2,187,797; Jan. 23.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröder, Heinrich, assignor.)
Telegregister Corporation, The. (See Quinby, William F., assignor.)
Tewell, Coyle H., Robertsdale, Pa. Corn cutter. 2,188,020; Jan. 23.
Texter, Howard G., Tulsa, Okla., assignor to The National Supply Company, Pittsburgh, Pa. Making joints. 2,187,798; Jan. 23.
Textile Specialty Company. (See Bond, E. R., and Hobbs, assignors.)
Thiele, Max. (See Greune, H., Thiele, and Langbein.)
Thomas, Adolph A., New York, N. Y., assignor to Radio Corporation of America. Radio system. 2,188,165; Jan. 23.
Thomas, Albert G., Lynchburg Va. Cooling device. 2,188,089; Jan. 23.
Thompson, A. F., Mfg. Co. See Thompson, Augustus F., assignor.)
Thompson, Albert T., New Orleans, La. (Liquefier. 2,187,919; Jan. 23.
Thompson, Augustus F., assignor of one-half to A. F. Thompson Mfg. Co., Inc., Huntington, W. Va. Wall facing. 2,188,021; Jan. 23.
Thompson, Clifford J., Washington, D. C., dedicated to the free use of the People of the United States of America. Calibrator for the compensating wedge of photometers. 2,188,097; Jan. 23.
Tide Water Associated Oil Company. (See Colin, P. G., and Lewis, assignors.)
Tiedeken, Robert. (See Gehrke, F., and Tiedeken.)
Tilson, John J., Rittman, Ohio. Tire tool. 2,188,211; Jan. 23.
Tilton & Cook Co. (See Holden, Crofton C., assignor.)
Timpson, Lewis G. M., Plainfield, assignor to Pyrene-Minimax Corporation, Newark, N. J. Apparatus for injecting foam stabilizing solutions. 2,188,066; Jan. 23.
Tobin, John A., Philadelphia, Pa. Attaching clip for roof gutters. 2,187,869; Jan. 23.
Todd Company, The. (See Wolfanger, Howard F., assignor.)
Tokheim, John J., Cedar Rapids, Iowa. Safety device for volatile liquid storage tanks. 2,188,022; Jan. 23.
Tomsche, Carl L., Burbank, Calif. Weather strip. 2,188,023; Jan. 23.
Tornese, Anthony. (See Macellaro, A., and Tornese.)

Torrens, Robert G., assignor of one-half to J. Ruggiero, Poughkeepsie, N. Y. Sleep control alarm. 2,187,761; Jan. 23.
Tow, James O., South Pasadena, assignor to Byron Jackson Co., Huntington Park, Calif. Pipe wrench. 2,187,956; Jan. 23.
Trautner, Wagn, Springdale, Ohio, assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif. Signal lamp bracket. 2,188,067; Jan. 23.
Treshow, Michael. (See West, C. T., and Treshow.)
Tringham, William S. L., Surrey, England, assignor to Radio Corporation of America. Modulated carrier wave television and like transmitter. 2,188,068; Jan. 23.
Triplett, Louis B., Pasadena, Calif. Foot treating device. 2,187,920; Jan. 23.
Tryce, Benjamin R., Greenwood, Del. Pump point. 2,188,124; Jan. 23.
Turner, Wellmore B., executors et al. (See Sherman, John Q., assignor.)
Twombly, Willard O., assignor to Jeffrey N. Collins, Jackson, Mich. Electric heating unit. 2,188,256; Jan. 23.
Tyler, Clarence H., Evansville, Ind. Sinker. 2,187,991; Jan. 23.
Uhli, Herman H., et al. (See Blocker, Preston B., assignor.)
Uhlrig, Harry W., Stratford, Conn., assignor to General Electric Company. Ventilating louver for cooking utensils. 2,187,762; Jan. 23.
Ullgren, Johan D., Stocksund, Sweden. Pressing apparatus. 2,187,763; Jan. 23.
Uhlrich, Heinrich, and J. Nuesslein, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation products of ethers of alkylol amines. 2,187,823; Jan. 23.
United Aircraft Corporation. (See Koppen, Otto C., assignor.)
United Aircraft Corporation. (See Ryder, Earle A., assignor.)
United Glass Bottle Manufacturers Limited. (See Dorman, Edgar P., assignor.)
United Shoe Machinery Corporation. (See Clarke, Thomas B., assignor.)
United Shoe Machinery Corporation. (See Dixon, Paul H., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J. assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Kestell, assignors.)
United States Rubber Company. (See Castricum, M., and Kennedy, assignors.)
Universal Development Corporation et al. (See Malishev, Boris, assignor.)
Universal Hydraulic Corporation. (See Kinzie, Phillip A., assignor.)
Urschel Bertis H., assignor to Urschel Engineering Company, Bowling Green, Ohio. Machine for heat-treating metal articles. 2,188,257; Jan. 23.
Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
Urschel, William E., Valparaiso, Ind. Dicing machine. 2,187,957; Jan. 23.
Van Meter, Samuel T., Eldorado, Kans. Fowl holder. 2,188,024; Jan. 23.
Vanoenacker, Paul J. A., Jemappes, Belgium. Strainer for vegetables and fruits. 2,188,195; Jan. 23.
Van Vlodrop, Cornelus. (See Waterman, H. I., and Van Vlodrop.)
Veccia, James, St. Albans, assignor to Kennerly Press, Inc., New York, N. Y. Display standard. 2,187,870; Jan. 23.
Vigne, Albert, Webster Groves, and I. E. Cox, Kirkwood, assignors to National Bearing Metals Corporation, St. Louis, Mo. Hot box alarm. 2,187,958; Jan. 23.
Vilas, Fred L., et al. (See Hicks, Harold, assignor.)
Villas, John D., Minneapolis, Minn. Steering wheel. 2,187,764; Jan. 23.
Von Ardenne, Manfred, Berlin, Germany. Protective device in television receivers. 2,188,290; Jan. 23.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Underwater drilling. 2,187,871; Jan. 23.
Voss, Arthur, Frankfort-on-the-Main-Hochst, and H. Stärck, Bad Soden in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Shaped article and preparing it. 2,188,272; Jan. 23.
Waechtler, Kurt, Philadelphia, Pa. Method of and apparatus for knitting. 2,187,715; Jan. 23.
Waite, Ralph B. (See Johnson, Carl O., assignor.)
Walsh, Robert E., Carpenteria, Calif. Cutting torch head. 2,188,069; Jan. 23.
Walter, Louis W., Chicago, Ill. Stereoscope apparatus. 2,187,765; Jan. 23.
Wanek, John A., Giltner, Nebr. Traction lug. 2,188,196; Jan. 23.
Washburn, Edgar, Baltimore, Md., assignor to Franklin Railway Supply Company, New York, N. Y. Spreader. 2,187,716; Jan. 23.
Waterman, Hein I., Delft, and C. Van Vlodrop, Rotterdam, Netherlands, assignors to Imperial Chemical Industries Limited. Polymerization of drying oils. 2,188,273; Jan. 23.
Watson-Stillman Co., The. (See Dinzl, Richard W., assignor.)
Weaver, John E., Flint, Mich. Tripod support. 2,188,237; Jan. 23.
Weber, Hermann, Zschopau, assignor to Auto Union Aktiengesellschaft, Chemnitz, Germany. Spring suspension for vehicle wheels. 2,187,921; Jan. 23.
Webster Electric Company. (See Daily, Roy, assignor.)
Webster Electric Company. (See Osborne, Horace A., assignor.)
Weinerth, George S., Reading, Pa. Spark plug. 2,188,166; Jan. 23.
Weiss, Charles R., Indianapolis, Ind., assignor to Link-Belt Company. Corrosive resistant chain and drive. 2,188,025; Jan. 23.
Wellington Machine Company. (See Gannett, Chauncey W., assignor.)
Wendel, Frans B., Long Island City, N. Y. Die assembly for forming hollow metal articles. 2,188,197; Jan. 23.
Wernli, Fritz, Oberrieden, near Zurich, Switzerland. Vapor burner. 2,188,212; Jan. 23.
West, Carleton T., Glendale, and M. Treshow, West Los Angeles, assignors to Monolith Portland Cement Company. Device for curing and cooling burned materials in rotary kilns. 2,187,922; Jan. 23.
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Bush, R. J., and Glass, assignors.)
Westinghouse Air Brake Company, The. (See Donovan, Patrick H., assignor.)
Westinghouse Air Brake Company, The. (See Kershaw, A. G., and Leech, assignors.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hoyt, Milton A., assignor.)
Weyandt, Carl S., Pittsburgh, Pa. Vibratory electrical apparatus. 2,187,717; Jan. 23.
White, Eric L. C. (See Hardwick, J., and White.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Composition for application to textiles. 2,188,167; Jan. 23.
Whittier, Charles C., assignor, by mesne assignments, to Standard Chemical and Mineral Corporation, Chicago, Ill. Therapeutic composition. 2,187,766; Jan. 23.
Wickham Bros. (See Houck, John C., assignor.)
Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, of forty-two one-hundredths to M. E. Widmer, Mexico, Mo. Cleaning preparation. 2,188,140; Jan. 23.
Widmer, Mary E. (See Widmer, Arthur J., assignor.)
Wiedemeier, Alfred, Zug, assignor to Landis & Gyr, A. G. Time measuring mechanism. 2,188,169; Jan. 23.
Wieners, Franz. (See Burneleit, W., Mieg, and Wieners.)
Wiggins, Edward J. (See Lindsay, J. D., Wiggins, and Press.)
Wigley, Arthur, Burbage, England. Transfer instrument. 2,188,125; Jan. 23.
Wilbur, Paul C., San Jose, Calif. Rice product and process. 2,187,718; Jan. 23.
Wildhaber, Ernest, and A. H. Candee, Irondequoit, and W. A. Witham, assignors to Gleason Works, Rochester, N. Y. Method and machine for grooving shaving gears. 2,187,992; Jan. 23.
Wiley, William R., Detroit, Mich. Clip. 2,188,026; Jan. 23.
Williams, Allison R., Yazoo City, Miss. Automatic vehicle control system. 2,188,293; Jan. 23.
Williams, Carl F. (See Brown, E. H., and Williams.)
Williams, Edward R., assignor, by mesne assignments, to himself and J. L. C. Williams, Latrobe, Pa. Method and apparatus for continuous metal casting. 2,187,720; Jan. 23.
Williams, George W., Burlingame, Calif. Hollow wall structure. 2,187,959; Jan. 23.
Williams, Ira, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Derivative of hexamethylene-dithio-carbamic acid. 2,187,719; Jan. 23.
Williams, Julia L. C., et al. (See Williams, Edward R., assignor.)
Williams, Leslie J., Pontiac, Mich. Electric light fixture. 2,187,846; Jan. 23.
Wilson, Abbie J., Orono, Maine. Portable bathhouse. 2,188,213; Jan. 23.
Wingfoot Corporation. (See Lichty, Joy G., assignor.)
Wingfoot Corporation. (See Manchester, Frank H., assignor.)
Wingfoot Corporation. (See Merrill, James A., assignor.)
Wingfoot Corporation. (See Swain, Joseph G., assignor.)
Winkel, Mabel, New York, N. Y. Shoe. 2,188,168; Jan. 23.
Winkleman, Edward J., Oakmont, Pa., assignor of forty-nine per cent to Duquesne Slag Products Company. Resilient connection. 2,187,923; Jan. 23.
Winkleman, Edward J., Oakmont, Pa., assignor of forty-nine per cent to Duquesne Slag Products Company. Flexible hanger. 2,187,924; Jan. 23.
Winkler, Fritz, and E. Linckh, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Gas producer for gasifying granular fuels. 2,187,872; Jan. 23.
Winthrop Chemical Company. (See Andersag, Hans, assignor.)

Witham, Winfred A. (See Wildhaber, E., Candee, and Witham.)
Wodack Electric Tool Corporation. (See Zschau, Hugo M., assignor.)
Wolfanger, Howard F., assignor to The Todd Company, Inc., Rochester, N. Y. Manifold form set. 2,187,925; Jan. 23.
Wolfson, William, Sunnyside, Long Island, N. Y. Three-dimensional article formed of sheet material. 2,187,721; Jan. 23.
Wood, Henry A., Berkeley, Calif. Dead line fastener and clamp for derrick lines and the like. 2,187,960; Jan. 23.
Wooddell, Charles E. (See Kirchner, H. P., and Wooddell.)
Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)
Wyrick, Clayton E., Wyandotte, Mich. Printing machine. 2,187,722; Jan. 23.
Yerkey, Grover W., Huntington, assignor of twenty per cent to E. Ball, Burnsville, W. Va. Portable hand buffer. 2,188,126; Jan. 23.
Yoder, Raymond S. (See Nulsen, M. E., Yoder, and Lear.)
Young, Frederick C., Westport, Conn. Joint for asbestos shingles or siding. 2,188,090; Jan. 23.
Youngstown Steel Door Company. (See Madland, Thorvald, assignor.)
Zetzsche, Walther. (See Johannes, W., and Zetzsche.)
Ziegler, Samuel A., trustee. (See Eaid, John R., assignor.)
Zeigmeister, Herbert, Hamburg-Wandsbek, Germany. Method of forming rolled seams on preserve tins and the like. 2,188,291; Jan. 23.
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, and W. Hechtenberg, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs. 2,188,102; Jan. 23.
Zinkil, Roy H., Oak Park, and E. A. Fredrickson, assignors to Crane Co., Chicago, Ill. Mixing valve. 2,188,258; Jan. 23.
Zschau, Hugo M., assignor to Wodack Electric Tool Corporation, Chicago, Ill. Armature. 2,188,170; Jan. 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bearing, Journal. W. H. Heckman. Re. 21,330; Jan. 23.
Compressor regulator. C. S. Baker. Re. 21,329; Jan. 23.
Furnace. L. W. Heller. Re. 21,331; Jan. 23.
Furnace, Melting. J. J. Mader. Re. 21,332; Jan. 23.
Ores and the like, Extracting. A. C. van Es. Re. 21,335; Jan. 23.
Toasting apparatus. C. W. Malmquist. Re. 21,333; Jan. 23.
Valve, Check. F. S. White and C. G. Bordeaux. Re. 21,334; Jan. 23.

LIST OF PLANT INVENTIONS

Geranium. C. A. Brown, II. 355; Jan. 23.

LIST OF DESIGN INVENTIONS

Aerial. L. K. Wildberg. 118,627; Jan. 23.
Arm for lamp fixtures. A. O. Elting. 118,658; Jan. 23.
Ash receiver or the like. J. Visser. 118,680; Jan. 23.
Bar, Push. E. R. Erickson. 118,619; Jan. 23.
Basket. H. N. Stoehr. 118,676–7; Jan. 23.
Basket, Sachet. T. F. Bagshaw. 118,636; Jan. 23.
Bathtub. J. R. Morgan. 118,644; Jan. 23.
Bicycle frame. J. R. Alexander. 118,611; Jan. 23.
Button or similar article. H. Newman. 118,628; Jan. 23.
Cabinet, Heater. H. M. Reeves. 118,649; Jan. 23.
Cabinet or similar article, Refrigerator. J. R. Morgan. 118,645; Jan. 23.
Cabinet, Vending machine. C. Gabrielsen. 118,681; Jan. 23.
Car, Mine shuttle. G. Baechli. 118,612; Jan. 23.
Card, Display. W. C. McKenna. 118,643; Jan. 23.
Casing for a suction cleaner or similar article. H. Dreyfuss. 118,618; Jan. 23.
Casing, Motion picture projection head. O. Krastel. 118,625; Jan. 23.
Chip, Poker. V. E. Hofmann. 118,623; Jan. 23.
Cover or similar article, Book. C. D. Trussell. 118,678; Jan. 23.
Desk or the like. K. C. Dyches. 118,637; Jan. 23.
Dish, Serving. J. F. Hupp. 118,639; Jan. 23.
Dispenser, Tape. J. O. Reinecke. 118,629; Jan. 23.
Dress. P. Fracchia. 118,662–3; Jan. 23.
Dress. J. Lane. 118,667–8; Jan. 23.
Dress. C. Mazola. 118,669; Jan. 23.
Dress. A. Rinaldi and G. Pearson. 118,685–6; Jan. 23.
Dress. W. Skolnick. 118,687–8; Jan. 23.
Dress ensemble. P. Fracchia. 118,660–1; Jan. 23.
Dress ensemble. P. Fracchia. 118,664; Jan. 23.
Dress ensemble. J. Lane. 118,666; Jan. 23.
Dress ensemble. C. Mazola. 118,670; Jan. 23.
Dress ensemble. A. Schwartz. 118,675; Jan. 23.
Fabric or similar article, Textile. E. P. Bixer. 118,690; Jan. 23.
Fabric or similar article, Textile. M. Turpan. 118,691; Jan. 23.
Fabric, Textile. J. Rubin. 118,673–4; Jan. 23.
Fixture or similar article, Light projecting. J. Mielziner. 118,671; Jan. 23.
Fork. L. S. Mast. 118,684; Jan. 23.
Game board. V. D. Keller. 118,682; Jan. 23.
Glass. E. W. Fuerst and W. D. Teague. 118,620; Jan. 23.
Housing, Magneto. P. Piffath. 118,648; Jan. 23.
Ice cream cone. W. A. Houston. 118,624; Jan. 23.
Ironing machine. R. E. Maxant. 118,641; Jan. 23.
Lace. G. M. Boysen. 118,656; Jan. 23.
Lace. B. Edson. 118,657; Jan. 23.
Lantern. F. B. Embury. 118,659; Jan. 23.
Meter face. L. A. Blazey. 118,613; Jan. 23.
Ornament, Christmas tree. P. Kranz and A. P. Schmid. 118,683; Jan. 23.
Pendant, Prismatic. I. Levin. 118,626; Jan. 23.
Pocketknife. H. J. Haydel. 118,622; Jan. 23.
Rack and carrier, Combined. A. W. Planeta. 118,672; Jan. 23.
Rack, Combination winding and drying. M. Morgan. 118,646; Jan. 23.
Rack or similar article, Detachable towel. R. S. Sanford. 118,630–3; Jan. 23.
Rack, Tumbler. A. J. Havlis. 118,621; Jan. 23.
Reamer, Fruit. J. M. Majewski, Jr. 118,640; Jan. 23.
Rug or similar article. G. V. Uihlein. 118,679; Jan. 23.
Sack or similar container, Merchandising. H. K. Knowles and W. Fleming. 118,665; Jan. 23.
Sandal. H. B. Delman. 118,616–17; Jan. 23.
Shoe or similar article. L. Sholtz. 118,634–5; Jan. 23.
Sign, House number. B. E. Chapman. 118,615; Jan. 23.
Stand, Portable food dispenser. G. L. Ely. 118,638; Jan. 23.
Support for displaying photographs, cards and similar articles. M. J. Zimmer. 118,689; Jan. 23.
Tray, Atomizer. F. A. Vuillemenot. 118,655; Jan. 23.
Tube for receiving a sausage or the like, Bread. M. A. Brin. 118,614; Jan. 23.
Tumbler. C. Sawyer. 118,650–4; Jan. 23.
Washing device. J. B. McDonnell and R. B. Reynolds. 118,642; Jan. 23.
Washing machine. W. F. Oliver. 118,647; Jan. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordion. S. Rabuazzo. 2,187,809; Jan. 23.
Accordion construction. C. Lindeberg. 2,188,085; Jan. 23.
Acetylene generator. M. P. De Motte. 2,188,278; Jan. 23.
Acetylene generator. M. P. De Motte, C. H. Baker, and R. C. Pierson. 2,188,277; Jan. 23.
Acids, Barbituric. W. G. Christiansen. 2,187,728; Jan. 23.
Acids of the dioxazine series, Dyestuff-sulphonic. H. Greune, M. Thiele, and G. Langbein. 2,187,853; Jan. 23.
Adhesive. R. G. Drew. 2,188,099; Jan. 23.
Aerogel compositions, Inorganic. S. S. Kistler. 2,188,007; Jan. 23.
Air conditioner. R. J. Smith. 2,187,954; Jan. 23.
Air conditioning. W. M. Killingsworth. 2,187,905; Jan. 23.
Air-conditioning system and apparatus. J. B. Moncrief. 2,187,982; Jan. 23.
Air conditioning unit. J. H. Newport. 2,187,889; Jan. 23.
Airplane wing. R. Contini and W. L. Dieter. 2,187,729; Jan. 23.
Air to radiators, Apparatus for controlling flow of. G. A. Lyon. 2,187,946; Jan. 23.
Alarm and trap, Burglar. W. G. Barcroft. 2,187,928; Jan. 23.
Alarm, Hot box. A. Vigne and I. E. Cox. 2,187,958; Jan. 23.
Alarm, Sleep control. R. G. Torrens. 2,187,761; Jan. 23.
Alcohol, Purification of. A. H. Bump. 2,188,274; Jan. 23.
Alloy: *See*—
Aluminum base alloy. Metal alloy.
Magnesium alloy.
Aluminum base alloy. W. E. Mansfield. 2,188,203; Jan. 23.
Amides and imides to amines, Hydrogenating. W. A. Lazier. 2,187,745; JQan. 23.
Amines from iron sludge, Separation of aromatic. H. Z. Lecher and R. C. Conn. 2,187,820; Jan. 23.
Amusement apparatus. N. Bartlett. 2,187,963; Jan. 23.
Animal trap. H. L. Donnell. 2,188,109; Jan. 23.
Antenna device. J. D. Border. 2,188,143; Jan. 23.
Antenna winch. H. Schröder. 2,188,062; Jan. 23.
Apparatus for copying lenticular films by projection. A. H. J. de L. St. Genies. 2,188,019; Jan. 23.
Apparatus for washing fruits, vegetables, and the like. R. Poluzzi. 2,187,891; Jan. 23.
Armature. H. M. Zschau. 2,188,170; Jan. 23.
Armature recutting tool. A. Burrows and W. H. Rhindress. 2,187,874; Jan. 23.
Article formed of sheet material, Three-dimensional. W. Wolfson. 2,187,721; Jan. 23.
Articles of fused silica, Making. R. D. Smith. 2,188,121; Jan. 23.
Ashtray. F. V. Barker. 2,187,896; Jan. 23.
Assembling device. S. Madsen. 2,188,053; Jan. 23.
Astronomical device. G. B. Gallup. 2,188,041; Jan. 23.
Attachment for keyboard type musical instruments. J. A. Dezso. 2,187,999; Jan. 23.
Attachment for tractor wheels. V. M. Gilkerson. 2,188,221; Jan 23.
Automobile heater. H. J. De N. McCollum. 2,188,152; Jan. 23.
Axle, Driving. A. H. Rzeppa. 2,187,843; Jan. 23.
Back washer. B. E. Large. 2,187,977; Jan. 23.
Bag holder. M. S. Jones. 2,188,047; Jan. 23.
Bags, Sealing. J. A. Farmer. 2,188,039; Jan. 23.
Ball and socket joint. P. Ruffo. 2,187,915; Jan. 23.
Band pass filter. High impedance. V. D. Landon. 2,187,805; Jan. 23.
Banjo. I. Angell. 2,188,127; Jan. 23.
Barrel manufacture. H. L. Hoyt. 2,187,804; Jan. 23.
Bathhouse, Portable. A. J. Wilson. 2,188,213; Jan. 23.
Beam head. F. Mossberg. 2,188,086; Jan. 23.
Bean cutter. G. M. Lock and A. O. Rasmussen. 2,187,833; Jan. 23.
Bearing strips, Making composite. J. V. O. Palm. 2,187,864; Jan. 23.
Bearings, Forming. E. A. Ryder. 2,187,755; Jan. 23.
Bed compartment, Air conditioned. P. V. Eakin. 2,188,078; Jan. 23.
Bed motion. F. W. Seybold. 2,187,758–9; Jan. 23.
Beer dispensing device. F. E. Rice. 2,187,793; Jan. 23.
Binding means. R. M. Hibbs. 2,188,222; Jan. 23.
Bituminous mixture. H. Marc and H. W. Greider. 2,188,204; Jan. 23.

Blanks, Method of and apparatus for rolling. A. C. Ruden. 2,187,753; Jan. 23.
Board: *See*—
Pedal board. Revoluble mote board.
Body and chassis underframe, Combined. J. Ledwinke and J. W. Kelly. 2,188,267; Jan. 23.
Boiler. R. L. Byrum. 2,187,850; Jan. 23.
Boiler section. L. N. Hunter. 2,188,266; Jan. 23.
Box closing tool. A. L. Rosenmund. 2,188,161; Jan. 23.
Bracket: *See*—
Brake hanger bracket. Window bracket.
Signal lamp bracket.
Bracket for coffee brewing vessels. K. L. Johnson. 2,187,974; Jan. 23.
Brake: *See*—
High speed brake. Sled brake.
Brake arrangement. W. H. Baselt and R. G. Aurien. 2,188,260; Jan. 23.
Brake control mechanism. M. B. Lucker. 2,188,281; Jan. 23.
Brake control mechanism, Automobile and trailer. R. E. Cox. 2,188,200; Jan. 23.
Brake hanger bracket. D. M. Light. 2,188,268; Jan. 23.
Brake rigging. H. E. Anderson. 2,187,993; Jan. 23.
Brake system. J. W. Logan, Jr. 2,187,942; Jan. 23.
Brake system, Fluid pressure. G. J. Lanz. 2,187,789; Jan. 23.
Brooder. J. E. Schlottmann. 2,188,017; Jan. 23.
Brush making machine. W. D. Lipps. 2,187,791; Jan. 23.
Buffer, Portable hand. G. W. Yerkey. 2,188,126; Jan. 23.
Buffing and polishing machine. C. O. Johnson. 2,188,223; Jan. 23.
Building structure. A. C. Olsen. 2,187,752; Jan. 23.
Bumper for vehicles. R. H. Imhofe. 2,188,082; Jan. 23.
Bumper mounting, Automobile. H. E. Blair. 2,188,142; Jan. 23.
Burner: *See*—
Gas burner. Vapor burner.
Calibrator for the compensating wedge of photometers. C. J. Thompson. 2,188,097; Jan. 23.
Cam, Adjustable. E. P. Dorman. 2,188,108; Jan. 23.
Camera, Photographic. W. Schmidt. 2,187,953; Jan. 23.
Can bodies, Apparatus for producing. J. W. Hothersall. 2,187,740; Jan. 23.
Cap for milk bottles, Pouring. F. S. Hogg. 2,188,184; Jan. 23.
Car door. T. Madland. 2,187,907; Jan. 23.
Car end interlock. J. P. Gallagher. 2,187,776; Jan. 23.
Car for railway and highway use, Convertible. J. R. Hughes. 2,188,096; Jan. 23.
Carbazole ring formation of compounds of the anthraquinone series, Effecting. W. Burneleit, W. Mieg, and F. Wieners. 2,187,815; Jan. 23.
Carburetor. C. E. Markham. 2,187,885; Jan. 23.
Carburetor and supercharger, Combination. E. Miller, Jr. 2,188,189; Jan. 23.
Carburetor attachment for internal combustion engines. R. J. Condon. 2,188,175; Jan. 23.
Carburetor device. H. W. Farr. 2,188,002; Jan. 23.
Card holding attachment for writing machines. H. Mieth. 2,187,887; Jan. 23.
Case hardening composition. H. Solaklan. 2,188,063; Jan. 23.
Casing head. A. J. and K. T. Penick. 2,187,839; Jan. 23.
Casting machine. E. G. Davis. 2,188,276; Jan. 23.
Centralizer and protector for an oil well string. R. B. Prentice. 2,188,119; Jan. 23.
Centrifugal separator. C. A. Brock. 2,188,031; Jan. 23.
Cereal and making the same, Expanded farinaceous. C. E. Felt and L. J. Huber. 2,188,180; Jan. 23.
Chain and drive, Corrosion resistant. C. R. Weiss. 2,188,025; Jan. 23.
Chain tightener, Tire. G. K. Smith. 2,188,120; Jan. 23.
Chair: *See*—
Folding chair.
Change speed gear, Automatic. E. Mirone. 2,188,246; Jan. 23.
Chart for piano playing. J. C. Bostelmann, Jr. 2,188,098; Jan. 23.
Chuck. H. K. Hartsuff. 2,188,095; Jan. 23.
Circuit: *See*—
Lamp control circuit.
Transformer tap changing circuit.
Circuit breaker for motor vehicles. F. A. Eytman. 2,188,144; Jan. 23.

Circuit controller. R. W. Scott and A. O. McCollum. 2,187,795; Jan. 23.
Circuits, Gas-filled space discharge tube. G. H. Rockwood, Jr. 2,188,159; Jan. 23.
Clamp attachment for fuse anchoring clips. J. B. Cooper. 2,188,033; Jan. 23.
Clarifying process for molasses. P. Steinacker. 2,187,990; Jan. 23.
Clean-out tool. E. Tatalovich. 2,187,845; Jan. 23.
Cleaner: *See*—
Surface cleaner.
Cleaning apparatus. J. W. Chamberlin and R. E. Bassett, Jr. 2,187,770; Jan. 23.
Cleaning preparation. A. J. Widmer. 2,188,140; Jan. 23.
Clevis. H. B. Denzer. 2,188,036; Jan. 23.
Clip: *See*—
Pen and pencil clip. Pencil clip.
Clip. W. R. Wiley. 2,188,026; Jan. 23.
Clip for roof gutters, Attaching. J. A. Tobin. 2,187,869; Jan. 23.
Closure for collapsible tubes and the like, Hermtically sealed automatic. W. V. Roos. 2,188,191; Jan. 23.
Clutch: *See*—
Power clutch.
Coasting device, Monorunner. R. Grimm. 2,188,080; Jan. 23.
Cock, Lubricated plug. B. S. Aikman. 2,187,926; Jan. 23.
Coffee, Improving the flavor of. G. Evans. 2,188,179; Jan. 23.
Collar and the like, Permanently stiffened. W. M. Billing. 2,187,848; Jan. 23.
Comb. C. C. Holden. 2,187,939; Jan. 23.
Commodities, Process and apparatus for conditioning. R. Killingstad. 2,187,859; Jan. 23.
Communication system. W. E. Harding. 2,187,829; Jan. 23.
Compensating attachment for milling machines. R. J. Schmidt. 2,187,794; Jan. 23.
Compensator, Ground potential. C. B. Sutliff. 2,188,164; Jan. 23.
Composition for application to textiles. W. Whitehead. 2,188,167; Jan. 23.
Condensation products of butyrolactones and primary amines of the aromatic and heterocyclic series. H. Andersag. 2,187,847; Jan. 23.
Condensation products of ethers of alkylol amines. H. Ulrich and J. Nuesslein. 2,187,823; Jan. 23.
Condensation products of the anthraquinone series. F. Baumann and H.-W. Schwechten. 2,188,103–4; Jan. 23.
Conductor for mercury vapor tubes, Lead-in. F. Lauster. 2,187,860; Jan. 23.
Connector: *See*—
Threadless pipe connector.
Connection, Resilient. E. J. Winkleman. 2,187,923; Jan. 23.
Connector for sector conductor cables. E. D. Eby. 2,188,178; Jan. 23.
Connector with washer cap. M. Lee and J. Rogoff. 2,188,135; Jan. 23.
Container: *See*—
Refrigerated container.
Container. G. C. Erb. 2,187,735; Jan. 23.
Container and blank therefor. H. Carew. 2,187,769; Jan. 23.
Container unloading and routing means. J. A. Rheinstrom. 2,187,842; Jan. 23.
Control for automobiles. E. H. Schwenn. 2,188,234; Jan. 23.
Control for variable speed drives. P. B. Reeves. 2,188,253; Jan. 23.
Controlling means for automatic water systems. L. W. Compton. 2,188,240; Jan. 23.
Cooking apparatus. I. Nachumsohn. 2,187,888; Jan. 23.
Cooling device. A. G. Thomas. 2,188,089; Jan. 23.
Corn cutter. C. H. Tewell. 2,188,020; Jan. 23
Coupling: *See*—
Hose coupling.
Coupling and making the same, Pump rod. H. R. Mark. 2,187,884; Jan. 23.
Cover: *See*—
Golf ball cover. Manhole cover.
Covering for food products, Wax. E. C. Ennis. 2,187,734; Jan. 23.
Crossover for overhead trolley systems. R. R. Holden. 2,188,113; Jan. 23.
Crusher. H. H. Nicholson. 2,188,230; Jan. 23.
Crystal for watertight watches, Watch. E. Morf. 2,187,863; Jan. 23.
Cultivator. R. S. Bateman. 2,188,029; Jan. 23.
Curler, Hair. R. L. and M. E. Andrea. 2,188,028; Jan. 23.
Cutter: *See*—
Bean cutter. Paper cutter.
Corn cutter.
Cutters, Method of and apparatus for relieving gear. M. H. Johanson. 2,188,005; Jan. 23.
Cutting attachment for combs. N. Bois. 2,188,131; Jan. 23.
Cycle. F. T. Irgens. 2,187,973; Jan. 23.
Damper control. F. C. Akers. 2,187,767; Jan. 23.
Dehydration system for oil wells. R. Stewart. 2,188,018; Jan. 23.
Dental floss throw-away unit. I. Henne. 2,187,899; Jan. 23.
Derivative of hexamethylene-dithio-carbamic acid. I. Williams. 2,187,719; Jan. 23.
Developing tank. F. Moore. 2,187,948; Jan. 23.
Device for assembling plates or other superposed pieces. J. J. Blanc. 2,187,929; Jan. 23.
Device for curing and cooling burned materials in rotary kilns. C. T. West and M. Treshow. 2,187,922; Jan. 23.
Device for dispensing liquids, granulated products, and the like. J. R. Ayotte. 2,187,927; Jan. 23.
Device for scraping the knives of slicing machines. M. Brustowsky. 2,187,801; Jan. 23.
Device for setting and holding pins for games. C. O. Beck and W. H. Degge. 2,187,995; Jan. 23.
Dialyzing apparatus. W. Johannes and W. Zetzsche. 2,187,818; Jan. 23.
Dicing machine. W. E. Urschel. 2,187,957; Jan. 23.
Die assembly for forming hollow metal articles. F. B. Wendel. 2,188,197; Jan. 23.
Die for fibrous articles, Drying. E. C. Sloan. 2,187,918; Jan. 23.
Discharge device. A. J. Kling. 2,188,186; Jan. 23.
Door: *See*—
Car door.
Door controlling mechanism, Vehicle. B. J. Craig. 2,187,935; Jan. 23.
Door latch. H. H. Raymond. 2,188,139; Jan. 23.
Drafting mechanism for rovings, slivers, and the like. R. M. Jones. 2,187,830; Jan. 23.
Drier. R. G. Baughman. 2,187,799; Jan. 23.
Drilling rig, Rotary. W. T. Caldwell and J. P. Lang. 2,188,107; Jan. 23.
Drilling system. H. E. Grau and J. D. Chesnut. 2,187,969; Jan. 23.
Drilling, Underwater. V. Voorhees. 2,187,871; Jan. 23.
Drive unit for locomotives, Resilient. N. E. Gee. 2,188,042; Jan. 23.
Drive, Variable speed supercharger. A. T. Gregory. 2,187,737; Jan. 23.
Dual rim mounting. J. G. Swain. 2,188,271; Jan. 23.
Dust collection, Apparatus for. H. W. Pfeffer and H. O. Danz. 2,188,206; Jan. 23.
Dyestuff of the phthaloyl quinazoline series, Vat. F. Baumann and H. W. Schwechten. 2,187,813; Jan. 23.
Dyestuff of the quinazoline series, Vat. F. Baumann and H. W. Schwechten. 2,187,812; Jan. 23.
Dyestuffs, Sulphur. W. Zerweck and W. Hechtenberg. 2,188,102; Jan. 23.
Elastic woolen fabric. R. Grosser. 2,188,183; Jan. 23.
Electric heating unit. W. O. Twombly. 2,188,256; Jan. 23.
Electric motor. B. Stevens, Jr. and P. J. Gilinson. 2,188,101; Jan. 23.
Electric snap switch. R. H. Bentley. 2,188,218; Jan. 23.
Electric space heater. G. Steingruber. 2,188,122; Jan. 23.
Electrical apparatus, Vibratory. C. S. Weyandt. 2,187,717; Jan. 23.
Electrical discharge device. E. Germer. 2,187,736; Jan. 23.
Electrical switch. W. Muir. 2,187,792; Jan. 23.
Electromagnetic wave transmission. H. J. McCreary. 2,187,908; Jan. 23.
Emasculator. D. B. King. 2,187,881; Jan. 23.
Emergency governing apparatus. P. H. Knowlton. 2,188,187; Jan. 23.
Endgate. F. J. Imlay. 2,187,855; Jan. 23.
Engine: *See*—
Internal combustion engine.
Eraser holder. J. W. Saffold. 2,187,894; Jan. 23.
Extraction process. V. Lantz. 2,188,051; Jan. 23.
Extrusion press. R. W. Dinzl. 2,188,076; Jan. 23.
Eyeglass, Glare shield. F. B. Rentz. 2,187,810; Jan. 23.
Fabric: *See*—
Elastic woolen fabric.
Fastener and clamp for derrick lines and the like, Dead line. H. A. Wood. 2,187,960; Jan. 23.
Fastening for doors. J. H. Darby. 2,188,034; Jan. 23.
Faucet. V. Beecker. 2,188,216; Jan. 23.
Feeding and aligning device. B. L. Henry. 2,187,900; Jan. 23.
Fermentation process of treating sugar worts. H. Scholler. 2,188,193; Jan. 23.
Ferrous articles, Method of casing. A. W. Machlet. 2,188,226; Jan. 23.
Filler and flat for containers. K. K. Newsom. 2,187,751; Jan. 23.
Films, Extinguishing burning motion picture. J. J. Sherwood and F. A. Pentland. 2,187,988; Jan. 23.
Filter: *See*—
Band pass filter.
Fire extinguisher. A. V. Martin. 2,187,980; Jan. 23.
Firing mechanism for automatic firearms. V. Holek. 2,188,046; Jan. 23.
Fishing pole. C. V. Buddenbrock. 2,187,849; Jan. 23.
Fishing rod. L. A. Muckey. 2,187,807; Jan. 23.
Flame cutting method and machine. A. W. Davis. 2,187,731; Jan. 23.

Flap, Extendible slotted deflector. O. C. Koppen. 2,188,083; Jan. 23.
Flashlight, Two-tone reflector. J. F. Ayotte. 2,188,129; Jan. 23.
Flexible hanger. E. J. Winkleman. 2,187,924; Jan. 23.
Flier construction. M. J. McHale. 2,187,862; Jan. 23.
Fluid compressor construction. R. J. Bush and W. H. Glass. 2,187,931; Jan. 23.
Foam stabilizing solutions, Apparatus for injecting. L. G. Timpson. 2,188,066; Jan. 23.
Folding chair. W. C. Rastetter. 2,188,207; Jan. 23.
Follower for card drawers or the like. F. L. W. Link. 2,187,832; Jan. 23.
Foot treating device. L. B. Triplett. 2,187,920; Jan. 23.
Form, Garment. E. D. Browne. 2,187,965; Jan. 23.
Fowl holder. S. T. Van Meter. 2,188,024; Jan. 23.
Frame for supporting eyeshields, Head. L. R. Cornell. 2,187,932; Jan. 23.
Frame members, Connecting. H. J. Sharp. 2,188,209; Jan. 23.
Frame structure for handbags, luggage, and the like. B. Stember. 2,187,796; Jan. 23.
Fruit pitting machine. G. Frova. 2,188,181; Jan. 23.
Fuel converter, Liquid. S. B. Brown. 2,188,072; Jan. 23.
Fuel, Diesel. G. S. Crandall. 2,188,262; Jan. 23.
Fur upon a carrier sheet, Apparatus for mounting. R. H. Plass. 2,188,156; Jan. 23.
Furnace structure. F. H. Brown. 2,187,725; Jan. 23.
Fuse casing, Mechanical time. H. Junghans. 2,188,048; Jan. 23.
Fusion welded treatment of tubular bodies. D. S. Jacobus. 2,187,786; Jan. 23.
Gallery, Shooting. N. E. Squire. 2,187,989; Jan. 23.
Game. G. S. Parker. 2,187,808; Jan. 23.
Game device. J. M. Harrison. 2,188,043; Jan. 23.
Garment, Sleeping and lounging. R. H. Huels. 2,188,265; Jan. 23.
Gas burner. J. E. Neale and A. Guest. 2,188,116; Jan. 23.
Gas producer for gasifying granular fuels. F. Winkler and E. Linckh. 2,187,872; Jan. 23.
Gaseous tube sign. F. S. Ganoung. 2,188,294; Jan. 23.
Gasket, Laminated rubber. J. A. Merrill. 2,188,286; Jan. 23.
Gear: *See*—
Change speed gear. Reverse gear.
Gear shifting mechanism for motor vehicles. H. W. Hey. 2,188,279; Jan. 23.
Gears, Method and machine for grooving shaving. E. Wildhaber, A. H. Candee, and W. A. Witham. 2,187,992; Jan. 23.
Generator: *See*—
Acetylene generator.
Glass beveling machine. A. Macellaro and A. Tornese. 2,187,748; Jan. 23.
Glove, Golf. J. C. Sherrick. 2,187,987; Jan. 23.
Golf ball cover. J. A. Merrill. 2,188,284–5; Jan. 23.
Granular coated article. H. P. Kirchner and C. E. Woodell. 2,187,743; Jan. 23.
Grinder and caliper, Combination precision. H. B. Barrett. 2,187,962; Jan. 23.
Guard, Fender. W. I. Rusche. 2,187,952; Jan. 23.
Halohydrin solutions, Concentration of aqueous alkene. W. C. B. Smithuysen. 2,188,254; Jan. 23.
Hanger: *See*—
Flexible hanger. Garment hanger.
Hanger for radiators, Wall. J. W. Moore. 2,187,984; Jan. 23.
Harness mechanism, Adjustable. C. D. Brown. 2,187,814; Jan. 23.
Harrow attachment for drills. J. A. Charles. 2,187,898; Jan. 23.
Heat transfer system. F. H. Brehob. 2,188,172; Jan. 23.
Heat treating. V. T. Malcolm. 2,188,137; Jan. 23.
Heat treatment of metals. J. A. Comstock. 2,188,275; Jan. 23.
Heater: *See*—
Automobile heater. Water heater.
Electric space heater.
Heater for blast furnaces, Air. P. Schwarze. 2,188,289; Jan. 23.
Heating apparatus. W. M. Hepburn. 2,188,133; Jan. 23.
Heel and quarter sections of boots and shoes, Making and preholding. B. F., L. L., Jr., and A. F. Hartwell. 2,187,783; Jan. 23.
Heel, Metal. K. Schwellenbach. 2,187,756; Jan. 23.
High speed brake. P. H. Donovan. 2,187,966; Jan. 23.
Hinge structure. J. P. Lavigne. 2,188,052; Jan. 23.
Hitch for road graders and the like. J. Markoe. 2,188,188; Jan. 23.
Hitch, Trailer. E. R. Greer. 2,187,970; Jan. 23.
Holder: *See*—
Bag holder. Shower curtain holder.
Eraser holder. Tool holder.
Fowl holder. Tube holder.
Hose coupling. M. Katcher. 2,188,006; Jan. 23.
Hosiery testing apparatus. O. M. Reltan. 2,187,914; Jan. 23.
Hub, Shock absorber. J. R. Eaid. 2,187,938; Jan. 23.
Huller, Walnut. W. C. Anderson. 2,187,994; Jan. 23.
Humidifier. E. J. Gardner. 2,187,778; Jan. 23.
Hydraulic device for transmitting movement. R. S. de Lavaud. 2,187,937; Jan. 23.
Hydraulic pump. J. Dauster. 2,188,035; Jan. 23.
Hydrocarbon distillates, Treatment of. H. B. Cooke. 2,188,075; Jan. 23.
Hydrocarbon emulsions, Resolution of. W. O. Mitscherling. 2,188,269; Jan. 23.
Hydrocarbon material, Treatment of heavy. E. J. Houdry. 2,187,741; Jan. 23.
Hydrocarbons, Catalytic conversion of gaseous. B. Mallshev. 2,188,057; Jan. 23.
Impregnating compositions, Producing. R. Kern. 2,187,858; Jan. 23.
Indicator: *See*—
Overdrive indicator. Visual tuning indicator.
Radio frequency drift indicator.
Ink feed means for printing presses. O. G. Bushman. 2,188,219; Jan. 23.
Insect catching machine. F. W. Grabe. 2,188,094; Jan. 23.
Internal combustion engine. G. S. Kammer. 2,187,856–7; Jan. 23.
Interpolymerization products of vinyl chloride and esters of maleic acid. H. Hopff, G. Steinbrunn, and H. Freudenberger. 2,187,817; Jan. 23.
Intestines, Apparatus for measuring. F. G. Leavenworth. 2,187,790; Jan. 23.
Iron: *See*—
Pressing iron. Steaming pressing iron.
Irrigation system. J. S. Johnson. 2,188,243; Jan. 23.
Jig, Collar welding. A. M. Hill and J. B. Harshman. 2,187,878; Jan. 23.
Joint: *See*—
Ball and socket joint.
Joint for asbestos shingles or siding. F. C. Young. 2,188,090; Jan. 23.
Joints, Making. H. G. Texter. 2,187,798; Jan. 23.
Keyhole locator, Self-luminous. R. G. Fordyce. 2,188,264; Jan. 23.
Knitting, Method of and apparatus for. K. Waechtler. 2,187,715; Jan. 23.
Lacquer, Textile printing. E. H. Bucy. 2,188,073; Jan. 23.
Laminarine from seaweed, Removal and recovery of. V. C. E. Le Gloahec and J. R. Herter. 2,188,092; Jan. 23.
Laminated products, Mechanism for making. D. C. Spaulding, Jr. 2,188,064; Jan. 23.
Lamp adapted for use as source in optical projection apparatus, Electric discharge. V. J. Francis. 2,187,774; Jan. 23.
Lamp control circuit. I. W. Eisenberg. 2,188,263; Jan. 23.
Latch: *See*—
Door latch. Vehicle door latch.
Latch control mechanism, Vehicle door. B. J. Craig. 2,187,934; Jan. 23.
Latch mechanism, Door. F. Kaiser. 2,188,149; Jan. 23.
Lead compounds, Manufacture of. O. F. Marvin. 2,187,749; Jan. 23.
Lens system. F. W. Gehrke and R. Tiedeken. 2,187,780; Jan. 23.
Light fixture, Electric. L. J. Williams. 2,187,846; Jan. 23.
Lighter, Friction wheel pocket. H. Drollinger. 2,188,000; Jan. 23.
Lighter, Pyrophoric. A. Dubsky. 2,188,037; Jan. 23.
Line supporting device and installation. G. H. Burton. 2,188,032; Jan. 23.
Liner. D. Grandinetti. 2,188,111; Jan. 23.
Liquefier. A. T. Thompson. 2,187,919; Jan. 23.
Liquid dispensing apparatus. C. W. Sweltzer. 2,187,868; Jan. 23.
Liquid proportioner, Automatic. R. L. Furby. 2,188,040; Jan. 23.
Loom reed. E. R. Bond and C. A. Hobbs. 2,187,997; Jan. 23.
Louver for cooking utensils, Ventilating. H. W. Uhlrig. 2,187,762; Jan. 23.
Lubricant. J. W. Johnson. 2,187,742; Jan. 23.
Lubricant, Cutting. W. L. Steiner. 2,188,255; Jan. 23.
Lubricating mechanism for reciprocating pumps and similar devices. W. T. Caldwell. 2,188,105; Jan. 23.
Lubricator: *See*—
Upper cylinder lubricator.
Machine for aerating water. L. Lefevre. 2,187,746; Jan. 23.
Machine for cutting shoe treeing sticks. P. H. Dixon. 2,187,826; Jan. 23.
Machine for heat-treating metal articles. B. H. Urschel. 2,188,257; Jan. 23.
Machine for manufacturing brake shoe inserts. W. S. Frauia. 2,188,146; Jan. 23.
Machine tool. W. F. Aller and H. L. Rausch. 2,187,961; Jan. 23.
Machine tool, Adaptable. G. E. Hallenbeck and C. Jobst. 2,187,854; Jan. 23.
Magnesium alloy. F. Christen. 2,188,239; Jan. 23.
Magnetic interrupter. M. E. Nulsen, R. S. Yoder, and W. P. Lear. 2,187,950; Jan. 23.
Magnetic valve. H. A. Mantz. 2,187,834; Jan. 23.
Magnets and products thereof, Making permanent. M. Baermann, Jr. 2,188,091; Jan. 23.
Manhole cover. M. Swensen and F. Patterson. 2,188,123; Jan. 23.
Manifold form set. H. F. Wolfanger. 2,187,925; Jan. 23.

Manuscript manipulating device for speakers. R. F. Smith. 2,188,210; Jan. 23.
Map, Microscopic revolving. C. A. Marks. 2,187,947; Jan. 23.
Materials with neutrons, Investigation of. H. Kallmann and E. Kuhn. 2,188,115; Jan. 23.
Measuring instrument. R. O. Diedrich. 2,188,201; Jan. 23.
Metal alloy. V. T. Malcolm. 2,188,138; Jan. 23.
Metal casting, Method and apparatus for continuous. E. R. Williams. 2,187,720; Jan. 23.
Microscope, Vernier. W. L. Egy. 2,188,038; Jan. 23.
Microscope, Vernier. K. H. Rich. 2,188,014; Jan. 23.
Milling, Method of and apparatus for face. C. E. Kraus. 2,187,744; Jan. 23.
Milling products, Method and composition for improving. F. H. Penn. 2,188,247; Jan. 23.
Mixer tooth. A. W. Bollard. 2,187,897; Jan. 23.
Mixing valve. R. H. Zinkil and E. A. Fredrickson. 2,188,258; Jan. 23.
Molecular mixtures, Separating high. E. S. Hillman and V. Lantz. 2,188,045; Jan. 23.
Molecular mixtures, Separating high. S. Pilat and M. Godlewicz. 2,188,012–13; Jan. 23.
Molybdenite from copper sulphides, Separation of. E. H. Brown and C. F. Williams. 2,187,930; Jan. 23.
Motor: *See*—
Electric motor.
Mounting: *See*—
Bumper mounting. Yarder mounting.
Dual rim mounting.
Mower. A. G. Fahnestock. 2,188,110; Jan. 23.
Mowing machine. F. P. Martin. 2,187,981; Jan. 23.
Muffler. R. J. MacKenzie and L. L. Haas. 2,188,202; Jan. 23.
Musical instrument. V. J. Mohler. 2,187,910; Jan. 23.
Nail and fracture nail driver, Fracture. W. D. Friddle. 2,187,852; Jan. 23.
Nailing machine. E. V. Patterson and C. A. Macy. 2,188,117; Jan. 23.
Nozzle, Atomizer. A. Tedeschi. 2,187,797; Jan. 23.
Nozzle, Atomizing. E. J. Gardner. 2,187,779; Jan. 23.
Oil and lubrication therewith, Lubricating. P. G. Colin and A. W. Lewis. 2,187,802; Jan. 23.
Oils, Polymerization of drying. H. I. Waterman and C. Van Vlodrop. 2,188,273; Jan. 23.
Oils, Refining viscous hydrocarbon. N. E. Lemmon. 2,187,883; Jan. 23.
Olefin oxidation and catalyst therefor. G. H. Law. 2,187,882; Jan. 23.
Ores, Treatment of. O. F. Marvin. 2,187,750; Jan. 23.
Organic compound, High-molecular. K. Koeberle and O. Schlichting. 2,187,819; Jan. 23.
Orthodontic adjusting tool. J. A. Linde. 2,187,747; Jan. 23.
Oscillations, Arrangement for generating tilting. K. Schlesinger. 2,188,288; Jan. 23.
Overdrive indicator. M. E. Lange. 2,187,831; Jan. 23.
Pad: *See*—
Stirrup pad.
Paper cutter. W. C. Eickman. 2,187,827; Jan. 23.
Paste dispensing device. K. Pringsauf. 2,188,249; Jan. 23.
Pedal board. V. J. Mohler. 2,187,911; Jan. 23.
Pen and pencil clip. C. E. Marshall. 2,188,151; Jan. 23.
Pencil clip. E. S. Powell. 2,188,232; Jan. 23.
Phonograph drive. B. A. Proctor. 2,188,087; Jan. 23.
Photoflashes with focal plane shutters, Synchronization of. O. Steiner. 2,188,065; Jan. 23.
Picture apparatus, Light-reflecting and sound-transmitting motion. A. B. Hurley. 2,187,904; Jan. 23.
Picture apparatus, Motor. H. Griffin. 2,187,803; Jan. 23.
Piezoelectric substance and producing it. S. O. Morgan. 2,188,154; Jan. 23.
Pigments, Manufacture of. H. Querengässer. 2,187,822; Jan. 23.
Pigments, Preparation of titanium dioxide. B. W. Allan. 2,188,259; Jan. 23.
Pipe line coating machine. A. J. Duael and S. Pavlinek. 2,188,001; Jan. 23.
Pipe wrench. J. O. Tow. 2,187,956; Jan. 23.
Piston. W. T. Caldwell. 2,188,106; Jan. 23.
Piston and ring assembly. P. B. Blocker. 2,187,724; Jan. 23.
Piston ring. E. G. Malpas. 2,187,970; Jan. 23.
Pitch propeller, Variable. R. J. Ruths and H. L. Dodson. 2,187,754; Jan. 23.
Planter. A. E. Simonson. 2,188,235; Jan. 23.
Planter, Cotton. G. Martel. 2,187,861; Jan. 23.
Plastic composition. A. J. P. Care. 2,188,199; Jan. 23.
Plug: *See*—
Spark plug.
Point forming device for the leads of pencils and the like. G. Baier and G. Köppel. 2,188,130; Jan. 23.
Pottery ware, Method of and apparatus for manufacturing. W. J. Miller. 2,187,836; Jan. 23.
Powder and manufacture, Progressive-burning smokeless. H. M. Spurlin and G. H. Pfeiffer. 2,187,866; Jan. 23.
Power clutch, Reversible. C. A. Barber. 2,188,215; Jan. 23.
Power transmission for oscillatory bodies. S. D. Robins. 2,188,060; Jan. 23.
Preload adjustment for ball bearings. J. H. Nelson. 2,188,251; Jan. 23.
Press: *See*—
Extrusion press. Seal press.
Printing press.
Press and clutch therefor. R. Sonnenberg. 2,187,955; Jan. 23.
Pressing apparatus. J. D. Ullgren. 2,187,763; Jan. 23.
Pressing iron, Steam-discharging. F. A. Miller. 2,188,010; Jan. 23.
Pressure indicating device. J. E. Dube. 2,188,177; Jan. 23.
Printing machine. C. E. Wyrick. 2,187,722; Jan. 23.
Printing press, Rotary. C. A. Harless. 2,188,148; Jan. 23.
Protective device in television receivers. M. von Ardenne. 2,188,290; Jan. 23.
Protector and emergency tank, Combined radiator. P. A. La Delfa. 2,187,976; Jan. 23.
Puller: *See*—
Wheel puller.
Pump: *See*—
Hydraulic pump. Rotary pump.
Pump. M. E. Gates. 2,188,003; Jan. 23.
Pump for Diesel engines, Fuel injection. K. J. De Juhasz. 2,187,732; Jan. 23.
Pump point. B. R. Tryce. 2,188,124; Jan. 23.
Pumping apparatus. A. Hollander. 2,187,972; Jan. 23.
Pyridine carboxylic acid morpholides. G. A. Langlois and A. M. Deloison. 2,188,244; Jan. 23.
Pyrometer tube. C. E. Noble. 2,187,949; Jan. 23.
Rack for refrigerator cars, Floor. C. D. Bonsall. 2,188,171; Jan. 23.
Racket stringing apparatus. E. H. Serrano. 2,188,250; Jan. 23.
Radial connecting rod assembly. A. Portmann. 2,188,118; Jan. 23.
Radiator, Reversible self-cleaning. A. M. Middleton. 2,188,245; Jan. 23.
Radio frequency drift indicator. W. S. Potter. 2,187,865; Jan. 23.
Radio station control system. A. G. Foss. 2,187,851; Jan. 23.
Radio system. A. A. Thomas. 2,188,165; Jan. 23.
Radio system, Direction finding. H. Berthold. 2,188,071; Jan. 23.
Radio tuning system. C. T. Read. 2,187,986; Jan. 23.
Rake, Interchangeable self-cleaning. L. J. Mruk. 2,187,985; Jan. 23.
Rectifier device. A. Gottschalk and A. Geisselsöder. 2,188,079; Jan. 23.
Reducing valve, Fluid pressure. D. L. Hay. 2,887,739; Jan. 23.
Reducing valve, Fluid pressure. W. W. Smith. 2,187,811; Jan. 23.
Reel: *See*—
Welding rod reel.
Refrigerated container. C. E. Quinn. 2,187,913; Jan. 23.
Refrigerator. W. G. Seeger. 2,187,916; Jan. 23.
Release for wringers, Safety. J. Mikulasek. 2,188,009; Jan. 23.
Remote indicating system. S. G. Frantz. 2,188,145; Jan. 23.
Resins, Spray drying thermoplastic. C. R. Ferris and E. T. Carte. 2,187,877; Jan. 23.
Reverse gear. T. L. Fawick. 2,187,967; Jan. 23.
Revoluble mote board. J. A. Streun. 2,187,867; Jan. 23.
Rice product and process. P. C. Wilbur. 2,187,718; Jan. 23.
Ring: *See*—
Piston ring.
Road anchoring means. R. S. Peirce. 2,187,912; Jan. 23.
Road surfacing. C. A. Agthe. 2,188,214; Jan. 23.
Roadway marking. T. L. Johnson. 2,187,879; Jan. 23.
Rod: *See*—
Fishing rod.
Roof covering. T. Greis. 2,188,147; Jan. 23.
Rotary pump. W. W. Davidson. 2,187,730; Jan. 23.
Rotor, Fluid. M. P. Carpenter. 2,187,875; Jan. 23.
Rubber product and producing the same. F. H. Manchester. 2,188,283; Jan. 23.
Rug display apparatus. J. Hutchinson. 2,188,185; Jan. 23.
Safety device for gas conductors. H. Arquint and O. Kiesel. 2,187,768; Jan. 23.
Safety device for volatile liquid storage tanks. J. J. Tokheim. 2,188,022; Jan. 23.
Salt of phthalocyanine sulphonic acid. E. Hartmann and F. Moll. 2,187,816; Jan. 23.
Sanding device. L. Angle. 2,188,238; Jan. 23.
Sanitary apparatus for valved air gap. W. C. Groeniger. 2,188,132; Jan. 23.
Sanitary apparatus with air gap. W. C. Groeniger. 2,187,738; Jan. 23.
Sash-operating device. C. P. Pond. 2,188,231; Jan. 23.
Saw handle and measuring device. J. N. Alexander. 2,188,027; Jan. 23.
Screw driver. G. L. Rock. 2,188,158; Jan. 23.
Seal press. F. H. Eyman. 2,187,773; Jan. 23.
Seams on preserve tins and the like, Forming rolled. H. Zeigmeister. 2,188,291; Jan. 23.

Seating tool. A. J. Penick. 2,187,840; Jan. 23.
Separator: *See*—
Centrifugal separator.
Sewage treatment. H. B. Schulhoff. 2,188,162; Jan. 23.
Sewing machine. J. Gouldbourn and T. A. Kestell. 2,188,093; Jan. 23.
Sewing machine, Blind stitch. C. W. Mueller. 2,188,228; Jan. 23.
Sewing machines, Work support for blind stitch. C. W. Mueller. 2,188,229; Jan. 23.
Shade and operating mechanism, Porch. A. C. Hough. 2,188,134; Jan. 23.
Shaped article and preparing it. A. Voss and H. Stärk. 2,188,272; Jan. 23.
Shingle. W. M. Relue, Jr. 2,188,208; Jan. 23.
Shirt. F. Müller, geb. Mainusch. 2,188,056; Jan. 23.
Shoe. M. Winkel. 2,188,168; Jan. 23.
Shoe, Arch supporting. H. P. Gould. 2,188,182; Jan. 23.
Shoe construction. J. Lawandus. 2,188,225; Jan. 23.
Shoe heels, Manufacture of. T. B. Clarke. 2,187,825; Jan. 23.
Shower curtain holder. J. Sherman. 2,188,163; Jan. 23.
Shut-off and regulator for ovens, Combination. W. K. Stafford and F. W. Anderson. 2,188,088; Jan. 23.
Sign: *See*—
Gaseous tube sign.
Sign and lamp guard, Combination street. F. M. Currie, Jr. 2,187,771; Jan. 23.
Signal lamp bracket. W. Trautner. 2,188,067; Jan. 23.
Signal-translating system, Modulated-carrier. H. M. Lewis. 2,187,978; Jan. 23.
Signaling apparatus, Automatic. H. E. Marsh and G. Smith. 2,188,055; Jan. 23.
Signaling device. R. E. Kathriner. 2,188,224; Jan. 23.
Sinker. C. H. Tyler. 2,187,991; Jan. 23.
Slack adjuster. A. G. Kershaw and K. H. Leech. 2,187,940; Jan. 23.
Sled brake. J. Berthiaume. 2,188,030; Jan. 23.
Slurry drying device. N. S. Borch and K. Middelboe. 2,187,800; Jan. 23.
Soldering device, Electric. L. H. Moulthrop. 2,187,806; Jan. 23.
Sole pressing machine. S. J. Finn. 2,187,828; Jan. 23.
Solutions, Method of and apparatus for fermenting. H. Scholler and M. Seidel. 2,188,192; Jan. 23.
Solutions, particularly black liquors, Apparatus for concentrating. C. T. Carlson. 2,188,220; Jan. 23.
Solvent extraction apparatus, Continuous. E. C. Pattee. 2,187,890; Jan. 23.
Spark plug. G. S. Weinerth. 2,188,166; Jan. 23.
Spike, Resilient rail. B. Kuckuck. 2,188,084; Jan. 23.
Spindle, Double twist twisting. O. Bochmann. 2,187,996; Jan. 23.
Spreader. E. Washburn. 2,187,716; Jan. 23.
Spring suspension for vehicle wheels. H. Weber. 2,187,921; Jan. 23.
Standard, Display. J. Veccia. 2,187,870; Jan. 23.
Steaming pressing iron. F. A. Miller. 2,188,011; Jan. 23.
Steel, Annealing. P. Payson. 2,188,155; Jan. 23.
Steering wheel, J. D. Villas. 2,187,764; Jan. 23.
Stereoscopic apparatus. L. W. Walter. 2,187,765; Jan. 23.
Stirrup pad. F. J. Moore. 2,187,983; Jan. 23.
Stocking, Self-supporting. R. E. Davis. 2,188,241; Jan. 23.
Stoker. F. H. Brown. 2,187,726–7; Jan. 23.
Strainer for vegetables and fruits. P. J. A. Vanoenacker. 2,188,195; Jan. 23.
Strainer, Forming a porous concrete well. C. S. Sanders. 2,187,895; Jan. 23.
Strip for tubing production, Manufacture of coated. C. A. Scharschu. 2,187,844; Jan. 23.
Support: *See*—
Tripod support.
Support for microphones and the like. F. J. Malat. 2,188,150; Jan. 23.
Support for saddles, Resilient. H. Mesinger. 2,188,153; Jan. 23.
Surface cleaner. D. C. Hubbard. 2,188,114; Jan. 23.
Surface treatment, Multiple action. J. A. Paasche. 2,187,837; Jan. 23.
Swing or glider. R. W. Hall. 2,188,004; Jan. 23.
Switch: *See*—
Electric snap switch. Thermal protective switch.
Electrical switch. Tire switch.
Table top structure. H. B. Richardson. 2,187,893; Jan. 23.
Tank: *See*—
Developing tank.
Tar, shale tar, peat tar, and the like, Refining of lignite. F. Schick. 2,188,015; Jan. 23.
Target machine with reversing target, Electric. J. R. Hall and W. P. Falkenberg. 2,188,292; Jan. 23.
Telemetric system. W. W. Frymoyer. 2,188,100; Jan. 23.
Telephone substation apparatus. R. H. Herrick and T. W. Gilman. 2,187,901; Jan. 23.
Telephone system. R. H. Herrick. 2,187,902–3; Jan. 23.
Telephone system. R. E. Hersey. 2,187,784; Jan. 23.
Telephone system. C. E. Lomax. 2,187,943–5; Jan. 23.
Telephone system. E. S. Peterson. 2,187,951; Jan. 23.
Textile and other materials, Coloration of artificial. J. H. Rooney and B. Shaw. 2,188,160; Jan. 23.
Therapeutic composition. C. C. Whittier. 2,187,766; Jan. 23.
Thermal manifolding apparatus. J. Q. Sherman. 2,187,760; Jan. 23.
Thermal protective switch. C. W. Kuhn and A. P. Charbonneau. 2,187,975; Jan. 23.
Thermal relief valve. E. A. Lowe. 2,187,906; Jan. 23.
Thermal unit. E. S. Cornell, Jr. 2,188,176; Jan. 23.
Thermionic tube. C. E. Stahl. 2,188,270; Jan. 23.
Thermostat. E. L. Mayo. 2,187,886; Jan. 23.
Thread throwing machine. J. C. Houck. 2,188,242; Jan. 23.
Threadless pipe connector. E. Kaysing. 2,187,880; Jan. 23.
Threshold. F. W. Kammerer. 2,188,049; Jan. 23.
Time measuring mechanism. A. Wiedemeier. 2,188,169; Jan. 23.
Tire, Pneumatic. M. Castricum and F. C. Kennedy. 2,188,174; Jan. 23.
Tire switch, Pneumatic. H. Hicks. 2,188,112; Jan. 23.
Tire tool. J. L. Speer. 2,188,236; Jan. 23.
Tire tool. J. J. Tilson. 2,188,211; Jan. 23.
Titanium alcoholates and phenolates, Preparation of. J. Nelles. 2,187,821; Jan. 23.
Tone arm. R. Dally. 2,187,772; Jan. 23.
Tool: *See*—
Armature recutting tool. Orthodontic adjusting tool.
Box closing tool. Seating tool.
Clean-out tool. Tire tool.
Machine tool. Valve removing tool.
Tool dressing apparatus for bevel gear generating machines. H. Schicht. 2,188,016; Jan. 23.
Tool holder, Floating. H. A. Osborne. 2,188,205; Jan. 23.
Tool joint control for blowout preventers. J. S. Abercrombie. 2,188,141; Jan. 23.
Tool post construction. W. C. Bredenbeck. 2,188,198; Jan. 23.
Tooth brush. W. E. Behring. 2,188,217; Jan. 23.
Torch head, Cutting. R. E. Walsh. 2,188,069; Jan. 23.
Toy musical instrument. G. Proelsdorfer. 2,188,157; Jan. 23.
Traction lug. J. A. Wanek. 2,188,196; Jan. 23.
Transfer instrument. A. Wigley. 2,188,125; Jan. 23.
Transformer tap changing circuit. R. B. Carson. 2,188,173; Jan. 23.
Transmission, Automatic. F. J. Ramsey. 2,188,233; Jan. 23.
Transmission mechanism. S. M. Friedman. 2,187,968; Jan. 23.
Transmission ratio changer, Automatic. K. B. Britton. 2,187,824; Jan. 23.
Transmission, Variable speed. T. B. Martin. 2,187,835; Jan. 23.
Transmitter, Modulated carrier wave television and like. W. S. L. Tringham. 2,188,068; Jan. 23.
Transmitting means. W. F. Quinby. 2,187,892; Jan. 23.
Trap: *See*—
Animal trap.
Tray, Egg. R. N. Hickman. 2,188,044; Jan. 23.
Tree, Ornamental. J. A. Guthrie. 2,188,081; Jan. 23.
Tripod support. J. E. Weaver. 2,188,237; Jan. 23.
Tube: *See*—
Pyrometer tube. Thermionic tube.
Tube arrangement, Push-pull. K. Fritz. 2,187,775; Jan. 23.
Tube holder. E. T. Moore. 2,188,227; Jan. 23.
Tube modulator, Thermionic. J. Hardwick and E. L. C. White. 2,187,782; Jan. 23.
Tubing, Flexible wire. O. J. Bratz. 2,187,873; Jan. 23.
Turbine, Elastic fluid. H. Kraft. 2,187,788; Jan. 23.
Turbine, Gasoline. G. H. Armstrong. 2,188,128; Jan. 23.
Turbine plant, Elastic fluid. A. R. Smith. 2,188,194; Jan. 23.
Typing machine, Justifying and variable spacing. S. R. Nicks. 2,188,252; Jan. 23.
Upper cylinder lubricator. C. A. Carpenter. 2,187,998; Jan. 23.
Utensils, Manufacturing kitchen. W. Scrimgeour. 2,187,757; Jan. 23.
Vaginal injection appliance. G. Moos. 2,188,190; Jan. 23.
Valve: *See*—
Magnetic valve. Reducing valve.
Mixing valve. Thermal relief valve.
Valve. F. M. Brown. 2,187,964; Jan. 23.
Valve. K. J. De Juhasz. 2,187,733; Jan. 23.
Valve. P. A. Kinzie. 2,187,787; Jan. 23.
Valve for combustion motors. A. Possenti. 2,188,248; Jan. 23.
Valve for fluids under intermittent pressure, Automatic. M. Herzig. 2,187,971; Jan. 23.
Valve removing tool. A. J. and K. T. Penick. 2,187,838; Jan. 23.
Vapor burner. F. Wernli. 2,188,212; Jan. 23.
Vehicle control system, Automatic. A. R. Williams. 2,188,293; Jan. 23.
Vehicle door latch. B. J. Craig. 2,187,933; Jan. 23.
Vehicle door latch, Automotive. B. J. Craig. 2,187,936; Jan. 23.
Vehicle drive system. L. Greer. 2,187,781; Jan. 23.

Vehicle signaling system. H. E. Metcalf. 2,188,058; Jan. 23.
Vessel, Electric discharge. R. Scharfnagel. 2,188,061; Jan. 23.
Visual tuning indicator. J. D. Lindsay, E. J. Wiggins, and J. A. Press. 2,188,136; Jan. 23.
Vitamins from fish press water, Concentrating. S. H. Lassen. 2,188,008; Jan. 23.
Vulcanization, Accelerator of. J. G. Lichty. 2,188,280; Jan. 23.
Wall facing. A. F. Thompson. 2,188,021; Jan. 23.
Wall structure, Hollow. G. W. Williams. 2,187,959; Jan. 23.
Walls, Sheathing excavation. E. B. Dowd. 2,188,077; Jan. 23.
Washer: *See*—
Back washer.
Watches, Apparatus for timing. E. Norrman and M. B. Landers. 2,188,059; Jan. 23.
Water heater. B. R. Skinner and L. Andrews. 2,187,917; Jan. 23.
Weather strip. C. L. Tomsche. 2,188,023; Jan. 23.
Weighing apparatus. O. H. Basquin and O. P. Haegele. 2,188,261; Jan. 23.
Welding rod reel. A. W. Baird and F. G. Outcalt. 2,188,070; Jan. 23.
Wetting agent for alkaline mercerizing solutions. F. Münz. 2,188,287; Jan. 23.
Wheel: *See*—
Steering wheel.
Wheel. C. W. Gannett. 2,187,777; Jan. 23.
Wheel puller. E. E. Condon. 2,188,074; Jan. 23.
Window bracket. W. W. King. 2,187,941; Jan. 23.
Window, Double hung. S. Madsen. 2,188,054; Jan. 23.
Window structure. P. H. Kuyper. 2,188,050; Jan. 23.
Wiper, Windshield. G. R. Ericson. 2,187,876; Jan. 23.
Wire drawing method and machine. M. A. Hoyt. 2,187,785; Jan. 23.
Wire winding apparatus. R. C. Pierce. 2,187,841; Jan. 23.
Wrapper mechanism. C. J. Malholt. 2,188,282; Jan. 23.
Wrench: *See*—
Pipe wrench.
Xenoxy-alkyl amines, Primary. F. N. Alquist and H. R. Slagh. 2,187,723; Jan. 23.
Yarder mounting. J. R. McGiffert. 2,187,909; Jan. 23.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 23, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 8.1: 2,188,117
2— 8: 2,187,932
83: 2,188,285
139: 2,188,056
160: 2,187,987
4— 69: 2,187,738
2,188,132
184: 2,187,977
5— 362: 2,188,078
8— 4: 2,188,160
127: 2,188,287
12— 1: 2,187,826
33: 2,187,828
146: 2,187,783
147: 2,187,825
15— 135: 2,188,217
245: 2,188,114
255: 2,187,876
16— 99: 2,187,907
138: 2,188,052
19— 58: 2,187,867
130: 2,187,830
20— 52: 2,188,023
2,188,054
64: 2,188,049
22— 57: 2,188,276
57.2: 2,187,720
23— 56: 2,187,822
69: 2,187,749
202: 2,188,259
252: 2,187,818
270: 2,187,890
24— 73: 2,187,869
2,188,026
115: 2,187,960
255: 2,188,151
25— 22: 2,187,836
29— 84: 2,187,838
85: 2,188,074
148: 2,187,884
149.5: 2,187,755
30— 30: 2,188,131
316: 2,188,029
32— 66: 2,187,747
33— 138: 2,188,027
141: 2,188,201
178: 2,187,790
34— 37: 2,187,799
35— 46: 2,187,947
47: 2,188,041
36— 8.5: 2,188,225
34: 2,187,756
45: 2,188,168
71: 2,188,182
38— 77: 2,188,011
2,188,010
40— 31: 2,188,210
84: 2,188,185
125: 2,187,870
126: 2,187,721
131: 2,187,771
133: 2,188,294
41— 15: 2,188,081
43— 19: 2,187,807
43: 2,187,849
52: 2,187,991
59: 2,187,928
67: 2,188,109
140: 2,188,094
44— 9: 2,188,262
47— 60: Pl.Pt.355
48— 53: 2,188,277
53.3: 2,188,278
76: 2,187,872
49— 78.1: 2,188,121
50— 11: 2,187,739
51— 45: 2,187,961
85: 2,188,223
95: 2,188,005
51— 101: 2,187,748
170: 2,188,126
195: 2,187,743
241: 2,187,962
52— 5: 2,187,866
53— 6: 2,187,762
54— 47: 2,187,983
55— 62: 2,187,833
56— 25: 2,187,981
2,188,110
400.20: 2,187,985
57— 58: 2,187,996
79: 2,188,242
116: 2,187,862
58— 24: 2,188,145
26: 2,188,169
91: 2,187,863
60— 41: 2,188,128
54: 2,187,937
67: 2,188,194
61— 12: 2,188,243
41: 2,188,077
62— 6: 2,187,913
126: 2,188,089
140: 2,187,982
176: 2,187,905
65— 31: 2,187,927
65: 2,187,974
66— 82: 2,187,715
95: 2,188,125
178: 2,188,241
67— 7.1: 2,188,000
20: 2,188,065
66: 2,188,037
68— 12: 2,187,770
262: 2,188,009
70— 147: 2,188,149
72— 16: 2,187,752
48: 2,187,959
73— 51: 2,188,059
110: 2,188,177
74— 2: 2,187,987
10: 2,187,986
25: 2,187,758
27: 2,187,759
230.17: 2,188,253
259: 2,188,246
281: 2,188,057
293: 2,188,233
311: 2,187,843
334: 2,188,279
337: 2,187,835
377: 2,187,967
378: 2,188,215
531: 2,188,281
557: 2,187,764
568: 2,188,108
580: 2,188,118
75— 101: 2,187,750
119: Re.21,335
126: 2,188,138
142: 2,188,203
168: 2,188,239
76— 105: 2,187,757
80— 26: 2,187,753
81— 66: 2,187,956
82— 4: 2,187,874
36: 2,188,198
83— 11: 2,188,230
37: 2,187,994
84— 1.22: 2,187,910
269: 2,188,127
375: 2,188,157
376: 2,187,809
2,188,085
426: 2,187,911
441: 2,187,999
479: 2,188,098
85— 5: 2,187,929
85— 28: 2,188,084
87— 5: 2,188,140
9: 2,187,742
2,187,802
2,188,255
88— 2.6: 2,188,014
2,188,038
23: 2,188,097
24: 2,187,803
2,187,904
2,188,019
29: 2,187,765
41: 2,187,810
57: 2,187,780
89— 27: 2,188,046
90— 11: 2,187,794
15.1: 2,187,992
19: 2,187,744
21: 2,187,854
91— 30: 2,188,001
45: 2,187,837
68: 2,188,073
92— 59: 2,187,918
93— 1.1: 2,188,222
81: 2,188,064
94— 8: 2,187,912
36: 2,188,123
95— 62: 2,187,953
90.5: 2,187,948
97— 47: 2,188,029
179: 2,187,898
98— 6: 2,187,859
99— 65: 2,188,179
82: 2,188,180
91: 2,188,247
166: 2,187,734
186: 2,187,718
100— 31: 2,188,146
47: 2,187,763
101— 3: 2,187,773
247: 2,188,148
260: 2,187,722
364: 2,188,219
102— 36: 2,188,048
103— 26: 2,188,240
41: 2,187,732
52: 2,187,972
153: 2,188,003
173: 2,188,035
105— 131: 2,188,042
215: 2,188,096
375: 2,187,171
410: 2,187,776
106— 32: 2,188,214
34: 2,188,199
108— 7: 2,188,208
10: 2,188,147
33: 2,188,090
110— 35: 2,187,725
2,187,727
40: 2,187,726
111— 52: 2,187,861
112— 47: 2,188,093
176: 2,188,228
260: 2,188,229
113— 44: 2,188,197
102: 2,187,878
120: 2,188,291
116— 54: 2,188,224
124.1: 2,188,136
119— 34: 2,188,017
97: 2,188,024
120— 36: 2,187,894
84: 2,188,232
92: 2,188,130
122— 14: 2,187,917
166: 2,187,850
225: 2,188,266
235: Re.21,331
123— 25: 2,188,175
33: 2,187,856
2,187,857
119: 2,187,737
2,188,002
169— 2: 2,187,988
14: 2,188,066
17: 2,187,906
31: 2,187,990
170— 163: 2,187,754
171— 119: 2,188,173
206: 2,188,170
327: 2,188,154
172— 36: 2,188,101
239: 2,187,851
269: 2,188,135
354: 2,187,846
174— 88: 2,188,178
175— 21: 2,188,091
366: 2,188,079
176— 122: 2,187,736
2,187,774
126: 2,187,860
177— 311: 2,187,831
329: 2,188,067
339: 2,188,058
353: 2,187,892
178— 7.1: 2,188,068
44: 2,187,805
69: 2,188,161
179— 1: 2,187,829
5: 2,188,055
17: 2,187,943
18: 2,187,945
27: 2,187,902
2,187,903
31: 2,187,951
39: 2,187,944
81: 2,187,901
171: 2,187,775
171.5: 2,187,782
175.2: 2,187,784
180— 69: 2,187,946
82: 2,187,933
2,187,934
2,187,935
2,187,936
181— 48: 2,188,202
183— 2.7: 2,188,018
18: 2,187,889
34: 2,188,206
77: 2,188,031
184— 18: 2,188,105
188— 3: 2,188,200
8: 2,188,030
56: 2,188,260
58: 2,187,993
90: 2,187,875
152: 2,187,789
202: 2,187,940
209: 2,188,268
189— 36: 2,188,209
75: 2,188,050
85: 2,188,021
191— 37: 2,188,113
192— .01: 2,187,824
3: 2,188,234
17: 2,187,968
48: 2,187,955
195— 11: 2,188,193
85: 2,187,990
94: 2,188,192
196— 10: 2,188,057
13: 2,188,012
2,188,013
2,188,015
2,188,045
2,188,051
40: 2,187,883
52: 2,187,741
94: 2,188,075
197— 84: 2,188,252
127: 2,187,900
135: 2,187,887
198— 30: 2,187,842
203: 2,188,025
220: 2,187,717
200— 27: 2,187,795
52: 2,188,144
56: 2,188,100
58: 2,188,112
67: 2,188,218
83: 2,187,792
90: 2,187,950
134: 2,188,033
139: 2,187,975
153: 2,187,761
201— 63: 2,188,256
202— 42: 2,188,254
57: 2,188,274
204— 24: 2,188,269
205— 16: 2,187,785
207— 2: 2,188,076
209— 167: 2,187,930
329: 2,188,060
210— 9: 2,188,162
211—119.06: 2,188,032
143: 2,188,044
215— 76: 2,188,184
216— 55: 2,187,879
217— 26.5: 2,187,751
219— 6: 2,187,740
8: 2,187,786
19: Re.21,333
26: 2,187,806
34: 2,188,122
35: 2,187,888
220— 24: 2,187,919
65: 2,188,111
88: 2,188,022
221— 60: 2,187,971
2,188,191
62: 2,187,735
78: 2,188,249
96: 2,188,040
130: 2,188,235
223— 68: 2,187,965
225— 28: 2,187,868
229— 1.5: 2,187,769
62: 2,188,039
230— 4: Re.21,329
146: 2,187,730
228: 2,187,931
235— 52: 2,188,165
236— 15: 2,188,088
34: 2,187,886
49: 2,187,767
237— 12.3: 2,188,152
240—10.69: 2,188,129
242— 25: 2,187,841
124: 2,188,086
129: 2,188,070
244— 42: 2,188,083
124: 2,187,729
246— 169: 2,187,958
248— 6: 2,187,909
99: 2,188,047
108: 2,188,227
168: 2,188,237
234: 2,187,964
291: 2,188,150
250— 2: 2,188,293
7: 2,187,908
11: 2,188,071
20: 2,187,978
27: 2,186,159
2,188,290
27.5: 2,188,061
2,188,186
2,188,270
2,188,288
33: 2,188,062
2,188,143

250—	39: 2,187,865	260—	85: 2,187,877	260—	571: 2,187,723	272—	17: 2,187,963	282—	1: 2,187,760	296—	28: 2,188,267
	76: 2,188,264		133: 2,188,102		579: 2,187,820	273—	1: 2,188,043		22: 2,187,925		56: 2,187,855
	80: 2,188,115		210: 2,188,092		612: 2,187,819		44: 2,187,995	285—	86: 2,188,006	299—	118: 2,187,707
251—	24: 2,188,216		239: 2,187,719		793: 2,188,280		62: 2,188,284		96.9: 2,188,069		121: 2,187,779
	27: 2,187,811		246: 2,187,853	261—	9: 2,187,954		2,188,285		122: 2,187,880	300—	4: 2,187,791
	50: 2,187,733		247: 2,188,244		24: 2,188,189		73: 2,188,250	287—	85: 2,187,923	301—	22: 2,188,271
	93: 2,187,926		257: 2,187,728		41: 2,187,885		101.1: 2,187,989		2,187,924		38: 2,188,221
	127: 2,187,787		261: 2,187,812		87: 2,187,746		2,188,263		90: 2,187,915		44: 2,188,196
252—	6: 2,188,007		2,187,813		116: 2,187,778		105.2: 2,188,292	288—	34: 2,188,266		63: 2,187,777
253—	69: 2,187,788		277: 2,188,104	263—	20: 2,188,289		131: 2,187,808	290—	16: 2,187,781	303—	3: 2,187,942
255—	1: 2,187,871		314: 2,187,816		33: 2,187,922	274—	23: 2,187,772	291—	36: 2,188,238		13: 2,187,966
	19: 2,187,969		316: 2,187,815	265—	5: 2,188,261	277—	20: 2,188,258	292—	124: 2,188,139	308—	43: 2,187,716
	22: 2,188,107		319: 2,187,745		18: 2,187,914		55: 2,187,944		262: 2,187,941		79: Re.21,330
257—	2: 2,188,072		326: 2,188,103	266—	5: 2,188,275	279—	4: 2,188,095		335: 2,188,034		189: 2,188,251
	130: 2,188,245		344: 2,187,847		6: 2,188,257		16: 2,188,205	293—	55: 2,187,976	309—	4: 2,188,106
	137: 2,188,176		348: 2,187,882		23: 2,187,731	280—	12: 2,188,040		2,188,082		7: 2,187,724
259—	178: 2,187,897		404: 2,187,823		33: Re.21,332		33.10: 2,188,188		2,188,142		44: 2,187,979
260—	32: 2,187,817		407: 2,188,273	267—	34: 2,187,921		33.44: 2,187,970		57: 2,187,952	311—	108: 2,187,893
	36: 2,188,272		429: 2,187,821	268—	22: 2,188,231		227: 2,187,973	294—	85: 2,188,036	312—	149: 2,187,916

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,187,770:	68— 12	2,187,820:	260— 579	2,187,912:	94— 8	2,188,003:	103— 153	2,188,115:	250— 80	2,188,192:	195— 94
2,187,777:	301— 63	2,187,834:	137— 144	2,187,913:	62— 6	2,188,009:	68— 262	2,188,120:	152— 217	2,188,203:	75— 142
2,187,781:	290— 16	2,187,835:	74— 337	2,187,914:	265— 18	2,188,022:	220— 88	2,188,132:	4— 69	2,188,217:	15— 135
2,187,785:	205— 16	2,187,851:	172— 239	2,187,916:	312— 149	2,188,037:	67— 66	2,188,151:	24— 255	2,188,226:	148— 17
2,187,789:	188— 152	2,187,879:	216— 55	2,187,954:	261— 9	2,188,069:	285— 96.9	2,188,162:	210— 8	2,188,245:	257— 130
2,187,798:	166— 21	2,187,889:	183— 18	2,187,961:	51— 45	2,188,100:	200— 56	2,188,178:	174— 88		
2,187,801:	146— 102	2,187,910:	84— 1.22	2,187,982:	62— 140	2,188,104:	260— 277	2,188,189:	261— 24		

U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aaron, Irving, Brooklyn, N. Y. Brilliantine, petroleum jelly, depilatory wax, etc. Serial No. 426,115; Jan. 30. Class 6.

Aktiebolaget Sonora. (See Poinsettia, Inc., assignor.)

Allderdice, F. B., Jacksonville, Fla. Medicine. Serial No. 422,567; Jan. 30. Class 6.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Skis, ski bindings, and parts thereof. Serial No. 414,134; Jan. 30. Class 22.

Allied Products, Inc., New York, N. Y. Liquid antiseptics. Serial No. 425,634; Jan. 30. Class 6.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Radio receiving sets. Serial No. 424,329; Jan. 30. Class 21.

American Bakeries Company, Atlanta, Ga. Crackers. Serial No. 425,547; Jan. 30. Class 46.

American Bemberg Corporation, New York, N. Y. Thread and yarn. Serial No. 426,177; Jan. 30. Class 43.

American Chemical Paint Company, Ambler, Pa. Orchard spray. Serial No. 425,504; Jan. 30. Class 6.

Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass bottles, tumblers, tableware, etc. Serial No. 412,485; Jan. 30. Class 33.

Andromachus Corporation, The, New York, N. Y. Medicinal tonic. Serial No. 425,679; Jan. 30. Class 6.

Armand Company, The, Des Moines, Iowa. After shave lotion. Serial No. 423,486; Jan. 30. Class 6.

Armstrong Cork Company, Lancaster, Pa. Gaskets, washers, and packing of cork or cork composition etc. Serial No. 426,018; Jan. 30. Class 35.

Automatik Venetian Hardware Corporation, Los Angeles, Calif. Venetian blinds and hardware. Serial No. 425,323; Jan. 30. Class 32.

Baltimore Biological Laboratory, Baltimore, Md. Biologicals, biological materials and preparations, etc. Serial No. 423,050; Jan. 30. Class 6.

Barber Asphalt Corporation, Barber, N. J. Composition roofing. Serial No. 425,681; Jan. 30. Class 12.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Preparations for the hands, feet, and face. Serial No. 425,774; Jan. 30. Class 6.

Bauswell, Mary E., Kansas City, Mo. Compound of oils for treatment of falling hair, itching scalp, etc. Serial No. 422,977; Jan. 30. Class 6.

Beir, Arthur, & Co., Inc., New York, N. Y. All rayon piece goods. Serial No. 425,775; Jan. 30. Class 42.

Berg-Williams Corporation, Dover, Del. Dentifrices. Serial No. 426,149; Jan. 30. Class 6.

Bon Marche, The. (See Allied Stores Corporation.)

Bruce, E. L., Company, Memphis, Tenn. Hardwood flooring, interior trim, lumber, etc. Serial No. 425,693; Jan. 30. Class 12.

Bushmill Wine & Products Co., Scranton, Pa. Rye whiskey. Serial No. 425,829; Jan. 30. Class 49.

Cenovis-Werke G. m. b. H., Munich, Germany. Medicinal or pharmaceutical yeast preparations. Serial No. 401,691; Jan. 30. Class 6.

Chambers, Roy C., Los Angeles, Calif. Mouth wash, tooth paste, tooth powder, etc. Serial No. 424,385; Jan. 30. Class 6.

Chapman & Rodgers, Inc., Philadelphia, Pa. Insecticide. Serial No. 424,464; Jan. 30. Class 6.

Chin & Lee Company, Inc., New York, N. Y. Flavoring essence. Serial No. 424,760; Jan. 30. Class 46.

Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. Serial No. 424,539; Jan. 30. Class 39.

Clifton Springs Distilling Co., Wilmington, Del., and Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 426,522; Jan. 30. Class 49.

Cole Chemical Corporation, Long Island City and New York, N. Y. Coal tar disinfectant and pine needle disinfectant. Serial No. 422,771; Jan. 30. Class 6.

Columbia Mills, Inc., The, New York, N. Y. Venetian blinds and parts thereof. Serial No. 426,397; Jan. 30. Class 32.

Commonwealth Hosiery Mills, Randleman, N. C. Hosiery. Serial No. 426,184; Jan. 30. Class 39.

Cook, William A., Chicago, Ill. Granular, thermal insulating materials. Serial No. 401,769; Jan. 30. Class 12.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 426,186; Jan. 30. Class 6.

Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 424,579; Jan. 30. Class 42.

Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Hinges, springs, metal washers, etc. Serial No. 399,599; Jan. 30. Class 13.

Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Hinges, springs, metal washers, etc. Serial No. 403,644; Jan. 30. Class 13.

Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Vehicles and accessories. Serial No. 403,646; Jan. 30. Class 19.

Davan Laboratories, Colorado Springs, Colo. Cleansing cream. Serial No. 425,831; Jan. 30. Class 6.

Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 424,388; Jan. 30. Class 6.

Dietaid Company, Inc., The, New York, N. Y. Preparation for the treatment of stomach ailments. Serial No. 425,562; Jan. 30. Class 6.

Di Leo, Sylvester, doing business as S. Di Leo, New Orleans, La. Tom Collins beverage mixer. Serial No. 425,609; Jan. 30. Class 45.

Disney, Walt, Productions, Hollywood, Calif. Figure dolls. Serial No. 426,609; Jan. 30. Class 22.

Dresner, S., & Son, Inc., Chicago, Ill. Toilet cases. Serial No. 425,190; Jan. 30. Class 3.

Dresner, S., & Son, Inc., Chicago, Ill. Hand luggage. Serial No. 425,195; Jan. 30. Class 3.

Drossner, Nathan, doing business as McCarter Bottling Company, Philadelphia, Pa. Beverages and syrups and extracts for making the same. Serial No. 425,832; Jan. 30. Class 45.

E. Z. Walk Corporation, The, New York, N. Y. Unmedicated corn, callous, and bunion pads, etc. Serial No. 400,190; Jan. 30. Class 44.

Eldridge, R. W., Company, Inc., Charlotte, N. C. Men's handkerchiefs. Serial No. 426,126; Jan. 30. Class 39.

Eplico Company. (See Hammon, Edna D.)

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 425,643; Jan. 30. Class 38.

Firestone Tire & Rubber Company, The, Akron, Ohio. Anti-freeze composition. Serial No. 423,132; Jan. 30. Class 6.

Foot-Long Inc., Cincinnati, Ohio. Refreshment stands. Serial No. 425,852; Jan. 30. Class 32.

Fox, Peter, Brewing Co., Chicago, Ill. Beer. Serial No. 418,299; Jan. 30. Class 48.

General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. Serial No. 412,503; Jan. 30. Class 21.

General Pharmacal Company, Inc., The, Louisville, Ky. Preparation for the treatment of intestinal and stomach irritation. Serial No. 423,584; Jan. 30. Class 6.

Gooderham & Worts Limited, Detroit, Mich., and Peoria, Ill. Whiskey. Serial No. 425,856; Jan. 30. Class 49.

Goodman Chemical Co., The, New York, N. Y. Talcum powder. Serial No. 426,296; Jan. 30. Class 6.

Gray Manufacturing Company, The, Hartford, Conn. Disc sound recording machines, dictating machines, and disc sound records. Serial Nos. 425,471–2; Jan. 30. Class 36.

Gregg, Marjorie T., Bridgeport, Conn., and South Tamworth, N. H. Dolls. Serial No. 426,617; Jan. 30. Class 22.

Hammon, Edna D., doing business as Eplico Company, Dayton, Ohio. Medicinal preparation. Serial No. 419,665; Jan. 30. Class 6.

Hardin Chemical Company, Inc., New York, N. Y. Dry cleaning soap powder. Serial No. 425,918; Jan. 30. Class 4.

Haskell, Charles C., & Co., Inc., Richmond, Va. Preparation for the treatment of gastro-intestinal disturbance. Serial No. 426,494; Jan. 30. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 426,163; Jan. 30. Class 39.

Hi-Tone Photo Service. (See Padorr, I. D.)

Home Diathermy Co., Inc., New York, N. Y. Diathermic appliances. Serial No. 426,092; Jan. 30. Class 44.

Hygrade Sylvania Corporation, Salem, Mass. Electric lamps and fixtures therefor. Serial No. 425,410; Jan. 30. Class 21.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Heat sensitive paint pigments. Serial No. 420,479; Jan. 30. Class 16.

Kemco Products Co., Kokomo, Ind. Canned soups and/or porridges. Serial No. 415,846; Jan. 30. Class 46.

Kenwood Modes Inc., New York, N. Y. Dresses, coats, dress ensembles, etc. Serial No. 426,164; Jan. 30. Class 39.

Koney-King, Incorporated, Los Angeles, Calif. Electrical and automatic coin vending machines serving electrically cooked hot dogs. Serial No. 425,243; Jan. 30. Class 23.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 426,365; Jan. 30. Class 6.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Compounded lubricants and cutting oils and concentrates used therein. Serial No. 425,965; Jan. 30. Class 15.

Marcy Lee Mfg. Company, Dallas, Tex. Dresses. Serial No. 423,272; Jan. 30. Class 39.

McCarter Bottling Company. (See Drossner, Nathan.)

Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Crochet and sewing cotton, cotton yarn, etc. Serial No. 413,077; Jan. 30. Class 43.

Mo-Zel Chemical Products Company, St. Louis, Mo. Non-saponaceous cleaning compound. Serial No. 426,215; Jan. 30. Class 4.
Munsey, Frank A., Company, The, New York, N. Y. Magazine. Serial No. 426,105; Jan. 30. Class 38.
Nepera Chemical Co., Inc., Yonkers, N. Y. Chemical compound. Serial No. 424,781; Jan. 30. Class 6.
New Bedford Manufacturing Co., New York, N. Y. Flannelette pajamas, night shirts, and sleepers. Serial No. 425,840; Jan. 30. Class 39.
New Bedford Manufacturing Co., New York, N. Y. Flannelette pajamas, night gowns, and sleepers. Serial No. 425,841; Jan. 30. Class 39.
New England Products, Inc., Evanston, Ill. Pure garlic compounded with pure vegetable oil, in vegetable oil capsules. Serial No. 425,484; Jan. 30. Class 6.
New Jersey Zinc Company, The, New York, N. Y. Trade paper. Serial No. 426,267; Jan. 30. Class 38.
Norcross, New York, N. Y. Greeting cards. Serial No. 426,268; Jan. 30. Class 38.
Office Life Magazine, Inc., New York, N. Y. Magazine. Serial No. 425,927; Jan. 30. Class 38.
Orange Knitting Mills, Inc., Orange, Va. Hosiery. Serial No. 425,422; Jan. 30. Class 39.
Padorr, I. D., doing business as Hi-Tone Photo Service, Miami, Fla. Photographic prints. Serial No. 422,827; Jan. 30. Class 38.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Overalls. Serial No. 425,624; Jan. 30. Class 39.
Philadelphia Wholesale Drug Company, Philadelphia, Pa. Bouillon cubes, essence of vanilla, olive oil. Serial No. 419,879; Jan. 30. Class 46.
Pilsener Brewing Company, The, Cleveland, Ohio. Ales. Serial No. 425,721; Jan. 30. Class 48.
Pinkham, Lydia E., Medicine Company, Lynn, Mass. Preparations indicated in and for the treatment of headaches, neuralgias, etc. Serial No. 426,036; Jan. 30. Class 6.
Pocket Books, Inc., New York, N. Y. Books. Serial No. 425,531; Jan. 30. Class 38.
Poinsettia, Inc., Pitman, N. J., assignor to Aktiebolaget Sonora, Stockholm, Sweden. Phonograph records. Serial No. 412,664; Jan. 30. Class 36.
Ramsdell, Inc., New York, N. Y. Ointment. Serial No. 425,648; Jan. 30. Class 6.
Rubinstein, Helena, Inc., New York, N. Y. Perfumes, toilet waters, and face powders. Serial No. 425,755; Jan. 30. Class 6.
Sächsisches Serumwerk Aktiengesellschaft, Dresden, Germany. Medicine for cardiac circulation. Serial No. 425,586; Jan. 30. Class 6.
Sakura Mills, Inc., Kane, Pa. Ladies' and children's underwear. Serial No. 424,103; Jan. 30. Class 39.
S. and E. Chemical Company. (See Schwaber, Richard D.)
Sage, Peggy, Inc., New York, N. Y. Nail polish. Serial No. 425,653; Jan. 30. Class 6.
Schmidt, Karl, G. m. b. H., Neckarsulm, Germany. Founders' flasks, ingot molds, machine tools and parts thereof, etc. Serial No. 423,072; Jan. 30. Class 23.
Schreiber, A. H., Co., Inc., New York, N. Y. Children's underwear and outerwear. Serial No. 425,654; Jan. 30. Class 39.
Schwaber, Richard D., doing business as S. and E. Chemical Company, Chicago, Ill. Detergent. Serial No. 425,318; Jan. 30. Class 4.
Shepherd, Irving L., doing business as J. H. Shepherd Son & Co., Elyria, Ohio. Fisherman's net repair needle. Serial No. 425,491; Jan. 30. Class 23.
Sherman, Florence A., New York, N. Y. Dolls. Serial Nos. 426,499–500; Jan. 30. Class 22.
Sichel, H., & Sons Limited, also doing business as H. Sichel Söhne, London, England. German wines. Serial No. 422,021; Jan. 30. Class 47.
Slomon, Ira I., New York, N. Y. Glutinous substances. Serial No. 425,758; Jan. 30. Class 5.
Solvay Process Company, New York, N. Y. Chemical preparation for use as a cleansing compound. Serial No. 426,143; Jan. 30. Class 4.
Squibb, E. R., & Sons, New York, N. Y. Anticonvulsants. Serial No. 425,494; Jan. 30. Class 6.
Standard Oil Company of New Jersey, Wilmington, Del. Leather oils, spot removers, and preparations for cleaning polished surfaces. Serial Nos. 425,430–1; Jan. 30. Class 4.
Standard Oil Company of New Jersey, Wilmington, Del. Oils and lubricating greases. Serial No. 425,432; Jan. 30. Class 15.
Standard Oil Company of New Jersey, Wilmington, Del. Liquid gloss, floor dressings, polish, etc. Serial No. 425,434; Jan. 30. Class 16.
Stern, Yermie, Commercial Attractions, Inc., New York, N. Y. Horoscopes. Serial No. 424,186; Jan. 30. Class 38.
Sun Oil Company, Philadelphia, Pa. Gasoline. Serial No. 425,630; Jan. 30. Class 15.
Sunset Oil Company, Los Angeles, Calif. Gasoline, motor fuel oils, lubricating oils and greases, etc. Serial No. 425,593; Jan. 30. Class 15.
Sweeney-Block & Co., Inc., New York, N. Y. Children's wear. Serial Nos. 425,373–4; Jan. 30. Class 39.
Synthetic Nitrogen Products Corporation, New York, N. Y. Fertilizer. Serial No. 425,816; Jan. 30. Class 10.
Synthetic Nitrogen Products Corporation, New York, N. Y. Fertilizer. Serial No. 426,274; Jan. 30. Class 10.
Torino Vermouth, Inc., New York, N. Y. Vermouth. Serial No. 424,504; Jan. 30. Class 47.
Turco Products, Inc., Los Angeles, Calif. Cleaning compound. Serial No. 425,313; Jan. 30. Class 4.
Vaccaro, Myrial D., New Orleans, La. Storage cabinet for ice cubes or the like. Serial No. 424,569; Jan. 30. Class 2.
Walker, Hiram, & Sons Inc., Peoria, Ill. Creme de menthe. Serial No. 425,596; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Sloe gin. Serial No. 425,507; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Cocktail. Serial No. 425,508; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Rock and rye. Serial No. 425,509; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Creme de cacao. Serial No. 425,600; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Orange curacao. Serial No. 425,601; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Kummel. Serial No. 425,602; Jan. 30. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Liqueur. Serial No. 425,603; Jan. 30. Class 49.
Warwick Manufacturing Corporation, Chicago, Ill. Radio receiving sets and for electrically operated record pick-up and transmitting apparatus. Serial No. 425,376; Jan. 30. Class 21.
West, Alderman C., Raleigh, N. C. Medicinal liquid preparation. Serial No. 410,530; Jan. 30. Class 6.
White Laboratories, Inc., Newark, N. J. Vitamins in tablet, capsule, and liquid form. Serial No. 425,499; Jan. 30. Class 6.
White Laboratories, Inc., Newark, N. J. Solution containing vitamins A and/or D. Serial No. 426,385; Jan. 30. Class 6.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating elements, resistor elements, heating units, etc. Serial No. 423,937; Jan. 30. Class 21.
Wiremold Company, The, Hartford, Conn. Metal and glass reflectors and shades for lighting fixtures. Serial No. 425,664; Jan. 30. Class 34.
Zephyr American Corp., New York, N. Y. Automatic touch control telephone number finder for desks. Serial No. 426,423; Jan. 30. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Achaia-Clauss Wine Company, Ltd., New York, N. Y. Wines. 374,836; Jan. 30; Serial No. 402,162; published Oct. 4, 1938. Class 47.
Alberto-Culver. (See Culver, Blaine.)
Aluminate Company, Pittsburgh, Pa. Cleaning fluids. 374,890; Jan. 30; Serial No. 421,592; published Nov. 21, 1939. Class 4.
Alvarez, Santiago, doing business as Alvarez Manufacturing Company, Laredo, Tex. General cleaner. 374,977; Jan. 30. Class 4.
American Rust Eradicator Co., Auburn, N. Y. Preparation for use in removing rust and stains from metal. 374,911; Jan. 30; Serial No. 422,802; published Nov. 14, 1939. Class 6.
Arena, Joseph, also doing business as Arena-Javelle Company, New York, N. Y. Disinfectant-germicide. 374,922; Jan. 30; Serial No. 422,970; published Nov. 7, 1939. Class 6.
Arrow Distilleries, Inc., Detroit, Mich. Prepared cocktails, brandies, gins, etc. 374,987; Jan. 30. Class 49.
Atlantic Mills, Providence, R. I., assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Woolen piece goods. 128,131; renewed Dec. 23, 1939.
Atlas Powder Company, Wilmington, Del. Sorbitol syrups. 374,842; Jan. 30; Serial No. 411,516; published Oct. 24, 1939. Class 6.
Baker, J. T., Chemical Co., Phillipsburg, N. J. Magnesium citrate. 374,937; Jan. 30; Serial No. 423,201; published Oct. 31, 1939. Class 6.
Bard-Parker Company, Inc., Danbury, Conn. Devices for holding dental films. 374,974; Jan. 30; Serial No. 424,338; published Nov. 21, 1939. Class 44.
Bartlett, Stephen L., Company, Boston, Mass., now by change of name, to Bensdorp Importers, Inc. Cocoa and chocolate. 128,302; renewed Jan. 6, 1940.
Bendel, Henri, Inc., New York, N. Y. Perfumes and toilet waters. 374,902; Jan. 30; Serial No. 422,534; published Nov. 7, 1939. Class 6.
Bensdorp Importers, Inc. (See Bartlett, Stephen L., Company.)
Berlo Cosmetic Products, Inc., New York, N. Y. Bath tablets. 374,862; Jan. 30; Serial No. 418,509; published Nov. 14, 1939. Class 6.
Bolis Medicine Co., San Diego, Calif. Medicinal solutions. 374,961; Jan. 30; Serial No. 423,939; published Oct. 31, 1939. Class 6.

Boyle Leather Goods Co. Inc., New York, N. Y. Store fixtures and racks. 374,984; Jan. 30. Class 32.
Bradley, Milton, Company, Springfield, Mass. Games of jack-straws. 128,945; renewed Jan. 20, 1940.
Bray, Joseph F., Detroit, Mich. Polish. 374,982; Jan. 30. Class 16.
Bristol, Gloria, Ltd., New York, N. Y. Cosmetic lotions, tonics, creams, and oils. 374,861; Jan. 30; Serial No. 417,831; published Oct. 24, 1939. Class 6.
Brooke, Benjamin, & Company, Philadelphia, Pa., assignor, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. Soap. 17,391; re-renewed Jan. 14, 1940.
Brooke, Benjamin, & Company, Philadelphia, Pa., assignor, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. Scouring soap. 17,540; re-renewed Feb. 18, 1940.
Buck-Jack Company, The, Baltimore, Md. Soap. 374,948; Jan. 30; Serial No. 423,618; published Nov. 21, 1939. Class 4.
Budwell Pharmacal Company. (See Morton Manufacturing Corporation.)
Butler Naval Stores Company, Inc., Butler, Ga. Turpentine. 374,964; Jan. 30; Serial No. 423,968; published Nov. 21, 1939. Class 16.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 374,934; Jan. 30; Serial No. 423,124; published Nov. 14, 1939. Class 6.
Carolina Medicine Co. (See Woodley, Buck W.)
Cisdite Incorporated, New York, N. Y. Metallic-content liquid composition in the nature of a paint. 374,835; Jan. 30; Serial No. 393,896; published Nov. 21, 1939. Class 16.
Colliette, Gae, New York, N. Y. Tissue cream, foundation cream, cream for cleansing, etc. 374,837; Jan. 30; Serial No. 409,397; published Nov. 7, 1939. Class 6.
Conewango Refining Company, The, Warren, Pa. Refined mineral oil. 374,947; Jan. 30; Serial No. 423,593; published Nov. 7, 1939. Class 6.
Cossack Products. (See Vandewart, Mark.)
Courtaulds, Limited, London, England. Chemical substances. 374,955; Jan. 30; Serial No. 423,799; published Nov. 14, 1939. Class 6.
Culver, Blaine, doing business as Alberto-Culver, Los Angeles, Calif. Facial pack. 374,871; Jan. 30; Serial No. 420,314; published Sept. 26, 1939. Class 6.
Curtin-Howe Corporation, New York, N. Y. Compositions for treating metal surfaces. 374,952; Jan. 30; Serial No. 423,726; published Nov. 7, 1939. Class 6.
De Botelho, Martin, New York, N. Y. Facial preparations. 374,863; Jan. 30; Serial No. 419,011; published Nov. 7, 1939. Class 6.
Destileria Tropical, Camuy and Arecibo, P. R. Rum. 374,980; Jan. 30. Class 49.
Doxsee, Walter J., Seattle, Wash. Hair tonic. 374,912; Jan. 30; Serial No. 422,810; published Oct. 31, 1939. Class 6.
Duart Manufacturing Co., Ltd., formerly Pacific Hair Goods Company, Ltd., doing business as Duart Manufacturing Company, Ltd., San Francisco, Calif. Chemifacturing Company, Ltd., San Francisco, Calif. Chemical heating pads for permanent hair waving. 374,988; Jan. 30. Class 44.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Abietene sodium sulfonate, acetanilide, acetic acid, etc. 374,883; Jan. 30; Serial No. 421,223; published Oct. 31, 1939. Class 6.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Stationery. 129,958; renewed Mar. 9, 1940.
Emack, John D., Co., The, assignor to James H. Emack, doing business as The Emack Slate Co., Philadelphia, Pa. Roofing-slate. 127,927; renewed Dec. 16, 1939.
Endo Products, Inc., New York, N. Y. Preparation used in the treatment of vitamin B deficiency conditions. 374,931; Jan. 30; Serial No. 423,091; published Nov. 14, 1939. Class 6.
Etta Perfumes, New York, N. Y. Perfumes, eau de cologne, face powders, etc. 374,875; Jan. 30; Serial No. 420,903; published Oct. 24, 1939. Class 6.
Eureka Woolen Mills, Eureka, Calif. Piece goods. 374,899; Jan. 30; Serial No. 422,401; published Nov. 21, 1939. Class 42.
Federal Mining & Mfg. Co., Jersey City, N. J. Cleaning fluid. 374,953; Jan. 30; Serial No. 423,757; published Nov. 21, 1939. Class 4.
Ferment Company, The, New York, N. Y. Medicinal preparations. 374,855; Jan. 30; Serial No. 416,555; published Oct. 24, 1939. Class 6.
Fernando Canning Co., Inc. (See San Fernando Canning Co.)
Figaro Company, The, Dallas, Tex. Meat curing compounds. 374,850; Jan. 30; Serial No. 417,007; published Sept. 26, 1939. Class 6.
Firestone Tire & Rubber Company, The, Akron, Ohio. Radios and accessories including aerial kits. 374,879–80; Jan. 30; Serial Nos. 420,992–3; published Nov. 21, 1939. Class 21.
Fisher Scientific Company, Pittsburgh, Pa. Instrument to determine the carbon content of a steel bath. 374,968; Jan. 30; Serial No. 424,036; published Nov. 21, 1939. Class 26.
Florida Flowers, Inc., Coral Gables, Fla. Perfume extract, toilet water, talcum powder, etc. 374,882; Jan. 30; Serial No. 421,136; published Oct. 24, 1939. Class 6.
Forch, Ralph. (See Naegele, Geo. H., Ralph Forch and S. W. Harkleroad.)
Forman, Ford and Company, Minneapolis, Minn. Paints, paint enamels, stains, etc. 374,906; Jan. 30; Serial No. 422,697; published Nov. 21, 1939. Class 16.
Franch Sardine Company, Incorporated. (See Van Landingham, Charles E., assignor.)
Freezman, Morris, doing business as Stanton Pharmacal Co., Steubenville, Ohio. Palatable and powerful nerve sedative and antispasmodic. 374,897; Jan. 30; Serial No. 422,171; published Oct. 24, 1939. Class 6.
Frigid-H-Air Permanent Wave Corp., New York, N. Y. Compositions for waving hair. 374,869; Jan. 30; Serial No. 420,098; published Oct. 31, 1939. Class 6.
Fulton Process and Chemical Corporation, Gloversville, N. Y. Hand cleanser. 374,973; Jan. 30; Serial No. 424,166; published Nov. 21, 1939. Class 4.
Garden Tooth Powder Company, The, Garden, Mich. Tooth powder. 374,838; Jan. 30; Serial No. 410,059; published Nov. 7, 1939. Class 6.
General Foods Corporation. (See Postum Cereal Company.)
Gevaert Photo-Producten Naamlooze Vennootschap (Photo-Produits Gevaert, Société Anonyme), Oude-God, Belgium. Photographic chemicals. 374,932; Jan. 30; Serial No. 423,092; published Oct. 24, 1939. Class 6.
Gilman Paint and Varnish Co. (See Mobile Paint Manufacturing Company of Delaware, Inc.)
Glassite Company, The. (See Thomsen, Grover C.)
Golding Bros. Company, Inc., New York, N. Y. Piece goods. 374,965; Jan. 30; Serial No. 423,977; published Nov. 21, 1939. Class 42.
Griffin, G. W., Co., Franklin, N. H. Hacksaw blades. 374,959; Jan. 30; Serial No. 423,882; published Nov. 21, 1939. Class 23.
Gulf Oil Corporation, Pittsburgh, Pa. Intestinal lubricant, insecticide, petrolatum, etc. 374,936; Jan. 30; Serial No. 423,168; published Oct. 24, 1939. Class 6.
Harbison-Fischer Manufacturing Company, Fort Worth, Tex. Oil well producing equipment. 374,985; Jan. 30. Class 23.
Harkleroad, S. W. (See Naegele, Geo. H., Ralph Forch, and S. W. Harkleroad.)
Harshaw Chemical Company, The, Cleveland, Ohio. Opaquing agents used in the manufacture of vitreous enamels. 374,864; Jan. 30; Serial No. 419,225; published Oct. 31, 1939. Class 6.
Hartmann, Bruno, Weehawken, N. J. Liquid preparation for massaging and for the relief of rheumatism and stiffness. 374,895; Jan. 30; Serial No. 422,134; published Oct. 24, 1939. Class 6.
Heddon's, James, Sons, Dowagiac, Mich. Steel shafts for golf clubs. 374,978; Jan. 30. Class 22.
Hellwig-Miller Company, New York, N. Y. Laundry starch. 374,905; Jan. 30; Serial No. 422,694; published Nov. 7, 1939. Class 6.
House for Men, Inc., The, Chicago, Ill. After-shaving lotion, cologne, hair tonic, etc. 374,854; Jan. 30; Serial No. 416,420; published Nov. 7, 1939. Class 6.
House of McAteer, Inc., The, New York, N. Y. Brandy. 374,979; Jan. 30. Class 49.
Hygienic Products Company, The, Canton, Ohio. Cleaning powder. 374,844–5; Jan. 30; Serial Nos. 413,671–2; published Nov. 21, 1939. Class 4.
International Cellucotton Products Company. (See Kimberly-Clark Company, assignor.)
Interstate Laboratories, Inc., Long Island City, N. Y. Preparation for preventing stains, mildew, and rust, etc. 374,891; Jan. 30; Serial No. 421,777; published Nov. 7, 1939. Class 6.
Irresistible, Inc., Jersey City, N. J. Perfume. 374,960; Jan. 30; Serial No. 423,887; published Oct. 31, 1939. Class 6.
Irresistible, Inc., Jersey City, N. J. Perfume. 374,962; Jan. 30; Serial No. 423,953; published Nov. 14, 1939. Class 6.
Isolantite Inc., Belleville, N. J. Ceramics having electrical insulating characteristics. 374,886; Jan. 30; Serial No. 421,484; published Nov. 21, 1939. Class 21.
Jay's Laboratories. (See Staber, Grace C.)
Juilliard, A. D., & Co., Inc. (See Atlantic Mills, assignor.)
Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroy goods in the piece. 374,970; Jan. 30; Serial No. 424,092; published Nov. 21, 1939. Class 42.
Kawahara Co., Los Angeles, Calif., and Honolulu, Hawaii. Fly powder. 374,851; Jan. 30; Serial No. 416,290; published Oct. 24, 1939. Class 6.
Kawahara Co., Los Angeles, Calif., and Honolulu, Hawaii. Preparation for relieving stomach and intestinal diseases. 374,852; Jan. 30; Serial No. 416,292; published Nov. 14, 1939. Class 6.
Keel & Company, Inc., Philadelphia, Pa. Preparation for cleaning and preserving rubber articles and renewing the surface thereof. 374,983; Jan. 30. Class 4.
Kelman, David J., New York, N. Y. Steel wool and woven metal cleaners. 374,946; Jan. 30; Serial No. 423,585; published Nov. 21, 1939. Class 4.

Kendall Company, The. (See Lewis Manufacturing Company, assignor.)
Kimberly-Clark Company, Neenah, Wis., assignor, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 128,416; renewed Jan. 6, 1940.
Kleckner, Philip, assignor, by mesne assignments, to Philip Kleckner, New York, N. Y. Vegetable food compound, and vegetables, pickles, and fish. 130,196; renewed Apr. 13, 1940.
Knight, John, Limited, London, England. Dentifrices. 374,944; Jan. 30; Serial No. 423,467; published Oct. 31, 1939. Class 6.
Knox Company, The, Los Angeles, Calif. Tooth powders, dentifrices and preparations for the treatment of pyorrhea, trench mouth, etc. 374,857; Jan. 30; Serial No. 416,803; published Nov. 7, 1939. Class 6.
Kugellagerwerke J. Schmid-Roost A. G. (See Schmid-Roost, Jakob.)
Kurdle, Thomas J., Company, The, assignor to The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md. Hams, bacon, and lard. 129,294; renewed Feb. 10, 1940.
Kurzer, Martin, New York, N. Y. Metal alloys in rod and wire form used in welding and for core solder. 374,942; Jan. 30; Serial No. 423,422; published Nov. 21, 1939. Class 14.
La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Pharmaceutical product. 374,966; Jan 30; Serial No. 424,010; published Nov. 14, 1939. Class 6.
La Forestal Argentina, Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e Industriales, Buenos Aires, Argentina. Industrial extracts—namely, extracts used in the tanning industry. 374,840; Jan. 30; Serial No. 410,295; published Oct. 24, 1939. Class 6.
LeBlond, R. K., Machine Tool Company, The, Cincinnati, Ohio. Lathes. 132,189; renewed June 15, 1940.
Lelong, Lucien, Inc., Chicago, Ill. Cologne. 374,945; Jan. 30; Serial No. 423,502; published Oct. 31, 1939. Class 6.
Lever Brothers Company. (See Brooke, Benjamin, & Company, assignor.)
Lever Brothers Company, Cambridge, Mass. Soap-dyes. 128,429; renewed Jan. 6, 1940.
Lewi, Wm. Grant, New York, N. Y. Electro-therapeutic apparatus. 374,884; Jan. 30; Serial No. 421,246; published Nov. 21, 1939. Class 44.
Lewis Manufacturing Company, assignor, by mesne assignments, to The Kendall Company, Walpole, Mass. Sanitary napkins. 130,795; renewed May 4, 1940.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. 130,087; renewed Apr. 6, 1940.
Linco Products Corporation, Chicago, Ill. Cleanser. 374,956; Jan. 30; Serial No. 423,846; published Nov. 21, 1939. Class 4.
Lukens Steel Company, Coatesville, Pa. Flame-cut steel plates. 374,866; Jan. 30; Serial No. 419,814; published Nov. 21, 1939. Class 14.
Luxogas Co. (See Malir, Joseph J., Jr.)
Mackintosh-Hemphill Company, Pittsburgh, Pa. Unfinished iron and steel castings. 374,888; Jan. 30; Serial No. 421,521; published Nov. 21, 1939. Class 14.
Maher Color & Chemical Co. Inc., Chicago, Ill. Dyestuffs and bulk oils. 374,858; Jan. 30; Serial No. 416,859; published Oct. 24, 1939. Class 6.
Malir, Joseph J., Jr., doing business as Luxogas Co., Denver, Colo. Gas generating plants. 374,923; Jan. 30; Serial No. 423,029; published Nov. 21, 1939. Class 34.
Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 374,918; Jan. 30; Serial No. 422,942; published Oct. 17, 1939. Class 42.
Mandelburg, Benedict, New York, N. Y. Steel boilers. 374,924; Jan. 30; Serial No. 423,030; published Nov. 21, 1939. Class 34.
Mann Capacitherm Company, Inc., Tacoma, Wash. Therapeutic machines. 374,876; Jan. 30; Serial No. 420,911; published Nov. 21, 1939. Class 44.
Mattel, A. (See Naegele, Geo. H., Ralph Forch, and S. W. Harkleroad.)
McNeil Laboratories, Incorporated, Philadelphia, Pa. Ointment. 374,954; Jan. 30; Serial No. 423,765; published Nov. 7, 1939. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tonic preparation. 374,894; Jan. 30; Serial No. 422,113; published Oct. 24, 1939. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Laxatives and cathartics. 374,903; Jan. 30; Serial No. 422,593; published Nov. 7, 1939. Class 6.
Meyrowitz, E. B., Inc., New York, N. Y. Ophthalmic lenses. 374,967; Jan. 30; Serial No. 424,013; published Nov. 21, 1939. Class 26.
Millsite Steel & Wire Works, Howell, Mich. Lotion for the preventative of bites from insects. 374,850; Jan. 30; Serial No. 416,198; published Nov. 7, 1939. Class 6.
Mitsui & Co. Ltd., New York, N. Y. Bicycles and parts therefor. 374,843; Jan. 30; Serial No. 412,384; published Nov. 21, 1939. Class 19.
Mobile Paint Manufacturing Company of Delaware, Inc., doing business as Gilman Paint and Varnish Co., Wilmington, Del., and Mobile, Ala. Paint enamel and ready-mixed paint. 374,989; Jan. 30. Class 16.
Moffett, Howard J., New York, N. Y. General tonic. 374,910; Jan. 30; Serial No. 422,767; published Oct. 31, 1939. Class 6.
Montpelier Manufacturing Co., The, Montpelier, Ohio. Motor delivery trucks and structural parts thereof. 374,927; Jan. 30; Serial No. 423,063; published Nov. 21, 1939. Class 19.
Morel, Adele, New York, N. Y. Face and dusting powder, toilet water, etc. 374,877; Jan. 30; Serial No. 420,913; published Oct. 24, 1939. Class 6.
Morton Manufacturing Corporation, also doing business as Budwell Pharmacal Company, Lynchburg, Va. Emulsion of cod liver oil. 374,938; Jan. 30; Serial No. 423,226; published Nov. 14, 1939. Class 6.
Morty, George A., Company, Miami, Fla. Insecticides. 374,901; Jan. 30; Serial No. 422,447; published Nov. 14, 1939. Class 6.
Mraz, Edward J., doing business as Rayox Sales Company, Cleveland, Ohio. Sodium hypochlorite solution, a water softener and cleanser. 374,878; Jan. 30; Serial No. 420,984; published Oct. 24, 1939. Class 6.
Naegele, Geo. H., Ralph Forch and S. W. Harkleroad, trustees for A. Mattei, doing business as A. Mattei, Fresno, Calif. Wines. 374,907; Jan. 30; Serial No. 422,727; published Nov. 21, 1939. Class 47.
Napoleon, Mrs. Mary, Albuquerque, N. Mex. Ointments. 128,799; renewed Jan. 13, 1940.
Nashua Manufacturing Company, Boston, Mass. Sheets and pillow cases. 374,909; Jan. 30; Serial No. 424,051; published Nov. 21, 1939. Class 42.
National Oil Products Company, Harrison, N. J. Sulfated and sulfonated organic materials. 374,889; Jan. 30; Serial No. 421,575; published Oct. 24, 1939. Class 6.
National Wax Company, Chicago, Ill. Wax composition for depeathering fowl or de-hairing animals. 374,892; Jan. 30; Serial No. 422,066; published Nov. 14, 1939. Class 6.
Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Animal dip. 374,881; Jan. 30; Serial No. 421,095; published Oct. 24, 1939. Class 6.
Nicholes, James L., Philadelphia, Pa. Rat exterminators and roach exterminators. 374,887; Jan. 30; Serial No. 421,490; published Oct. 24, 1939. Class 6.
Nickels Manufacturing Company, Bristol, Va., to Nickels Manufacturing Company, Bristol, Tenn. Blouses and suits. 132,217; renewed June 15, 1940.
Norton Company, Worcester, Mass. Abrasive products. 128,474; renewed Jan. 6, 1940.
Nyal Company, Detroit, Mich. Eye drops. 374,928; Jan. 30; Serial No. 423,065; published Oct. 24, 1939. Class 6.
Nyal Company, Detroit, Mich. Laxative and cathartic preparation. 374,929; Jan. 30; Serial No. 423,066; published Oct. 24, 1939. Class 6.
Pacific Hair Goods Company, Ltd. (See Duart Manufacturing Co., Ltd.)
Pennsylvania Salt Manufacturing Company of Washington, Tacoma, Wash. Sodium arsenite. 374,919; Jan. 30; Serial No. 422,953; published Nov. 7, 1939. Class 6.
Phelps Dodge Copper Products Corporation, New York, N. Y. Transformers. 374,971; Jan. 30; Serial No. 424,100; published Nov. 21, 1939. Class 21.
Phoenix Oil Company, Cleveland, Ohio. Soap flakes. 374,986; Jan. 30. Class 4.
Plessner, Paul, Company, The, Detroit, Mich. Bile salts. 374,930; Jan. 30; Serial No. 423,069; published Oct. 24, 1939. Class 6.
Postum Cereal Company, Battle Creek, Mich., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Hominy feed. 128,821; renewed Jan. 13, 1940.
Potomac Chemical Company, Inc., Washington, D. C. Preparation for prevention of rust or corrosion in machinery and various metallic surfaces. 374,900; Jan. 30; Serial No. 422,418; published Oct. 24, 1939. Class 6.
Preservaline Manufacturing Co., The, New York, N. Y. Meat curing salts and liquids. 374,933; Jan. 30; Serial No. 423,115; published Nov. 14, 1939. Class 6.
Protectol Company, Inc., Chicago, Ill. Disinfecting chemical preparations. 374,870; Jan. 30; Serial No. 420,186; published Oct. 24, 1939. Class 6.
Puritan Compressed Gas Corporation, Kansas City, Mo. Gases prepared for medical purposes. 374,872; Jan. 30; Serial No. 420,429; published Nov. 14, 1939. Class 6.
Quaker Chemical Products Corp., Conshohocken, Pa. Resins, aqueous dispersions of resins, aqueous emulsions of resins, etc. 374,914; Jan. 30; Serial No. 422,908; published Nov. 7, 1939. Class 6.
Rawlplug Company, Inc., The, New York, N. Y. Self anchoring drive sleeve fasteners. 374,874; Jan. 30; Serial No. 420,778; published Nov. 21, 1939. Class 13.
Raymor Food Products Co. (See Simons, Philip W.)
Rayox Sales Company. (See Mraz, Edward J.)
Reed, Samuel, doing business as Reedo Medicine Company, Wilmington, Del. Dog medicines. 374,915; Jan. 30; Serial No. 422,909; published Nov. 14, 1939. Class 6.
Reedo Medicine Company. (See Reed, Samuel.)
Revlon Products Corporation, New York, N. Y. Enamel adapted for coating fingernails and lipsticks. 374,957; Jan. 30; Serial No. 423,862; published Oct. 31, 1939. Class 6.
Revlon Products Corporation, New York, N. Y. Enamel adapted for coating fingernails and lipsticks. 374,958; Jan. 30; Serial No. 423,863; published Nov. 14, 1939. Class 6.

Rice and Rice, Medford, Oreg. External medical preparation. 374,920; Jan. 30; Serial No. 422,954; published Oct. 24, 1939. Class 6.
Ridgway, Whiting & Bodenschatz, Inc., Nutley, N. J. Piece goods. 374,841; Jan. 30; Serial No. 411,311; published Nov. 21, 1939. Class 42.
Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Chemical applied to wrapping paper for retarding formation of mould. 374,921; Jan. 30; Serial No. 422,955; published Nov. 7, 1939. Class 6.
Riker Company, The, Newark, to The Riker Company, East Orange, N. J. Jewelry. 129,850; renewed Mar. 9, 1940.
Root Pop Bottling Co., Inc., Washington, D. C. Beverages. 374,893; Jan. 30; Serial No. 422,259; published Nov. 21, 1939. Class 45.
Roxbury Carpet Company, Boston, to Roxbury Carpet Company, Saxonville, Mass. Carpets. 132,236; renewed June 15, 1940.
Ruckman, Robert J., Baker, Oreg. Medicated compound. 374,925; Jan. 30; Serial No. 423,036; published Nov. 7, 1939. Class 6.
Ruppert, Jacob, New York, N. Y. Beer. 374,949–50; Jan. 30; Serial Nos. 423,635–6; published Nov. 21, 1939. Class 48.
Rust Master Chemical Corp., Boston, Mass. Automobile radiator cleaning fluid and for a chemical rust proofing solution. 374,898; Jan. 30; Serial No. 422,268; published Oct. 24, 1939. Class 6.
Sage, Peggy, Inc., New York, N. Y. Nail polish, nail polish remover, nail enamel, etc. 374,856; Jan. 30; Serial No. 416,618; published Aug. 22, 1939. Class 6.
Saleva, G., & Co., New York, N. Y. Cosmetics. 374,916; Jan. 30; Serial No. 422,912; published Nov. 7, 1939. Class 6.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif. Canned tomatoes, canned peaches, and canned apricots. 125,169; renewed Apr. 15, 1939.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif. Canned apricots and canned peaches. 125,170–1; renewed Apr. 15, 1939.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif. Canned peaches, canned apricots and canned tomatoes. 125,172; renewed Apr. 15, 1939.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif., successor. Canned tomato paste. 125,173; renewed Apr. 15, 1939.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif., successor. Canned tomatoes with purée from trimmings, canned peaches, etc. 125,174; renewed Apr. 15, 1939.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif., successor. Canned peaches and canned apricots. 125,583; renewed May 27, 1939.
San Fernando Canning Co., to Fernando Canning Co., Inc., San Fernando, Calif., successor. Canned apricots and canned peaches. 125,584; renewed May 27, 1939.
Schering Corporation, Bloomfield, N. J. Chemical compound. 374,908; Jan. 30; Serial No. 422,758; published Nov. 7, 1939. Class 6.
Schluderberg, Wm.-T. J. Kurdle Co., The. (See Kurdle, Thomas J., Company, The, assignor.)
Schmid-Roost, Jakob, Oerlikon, to Kugellagerwerke J. Schmid-Roost A. G. Zurick-Oerlikon, Switzerland, successor. Ball-bearings and roller-bearings, and parts thereof. 129,216; renewed Jan. 27, 1940.
Scotch Products Incorporated, New York, N. Y. Apple cider and carbonated cider beverage. 374,976; Jan. 30; Serial No. 424,499; published Nov. 21, 1939. Class 45.
Sears, Roebuck and Co., Chicago, Ill. Blankets and piece goods containing wool. 374,849; Jan. 30; Serial No. 415,146; published Nov. 21, 1939. Class 42.
Seydel Manufacturing Company, to Seydel Chemical Company, Jersey City, N. J., successor. Sizing and finishing compounds. 131,609; renewed May 18, 1940.
Seydel Manufacturing Company, The, to Seydel Chemical Company, Jersey City, N. J., successor. Chemicals. 131,830; renewed May 25, 1940.
Shannon, Walton, Jackson, Miss. Fabric treating preparations. 374,865; Jan. 30; Serial No. 419,275; published Nov. 7, 1939. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative, expectorant, and bronchial medicament. 374,939; Jan. 30; Serial No. 423,235; published Nov. 14, 1939. Class 6.
Shulton, Inc., New York, N. Y. Astringents, astringent cerates, cold creams, etc. 374,868; Jan. 30; Serial No. 419,884; published Oct. 31, 1939. Class 6.
Simmons Hardware Company, St. Louis, Mo. Lead-pencils and wrapping-paper. 128,518; renewed Jan. 6, 1940.
Simmons Hardware Company, St. Louis, Mo. Measuring and scientific appliances. 129,076; renewed Jan. 20, 1940.
Simmons Hardware Company, St. Louis, Mo. Bicycles. 129,220; renewed Jan. 27, 1940.
Simons, Philip W., doing business as Raymor Food Products Co., Chicago, Ill. Supplemental foods. 374,839; Jan. 30; Serial No. 410,271; published July 4, 1939. Class 6.
Sinclair Manufacturing Company, The, Toledo, Ohio. Bleaching and disinfecting solutions. 374,943; Jan. 30; Serial No. 423,441; published Nov. 14, 1939. Class 6.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Vaccines. 374,846–8; Jan. 30; Serial Nos. 415,010–12; published Oct. 24, 1939. Class 6.
Staber, Grace C., doing business as Jay's Laboratories, Los Angeles, Calif. Hair waving cream. 374,935; Jan. 30; Serial No. 423,149; published Nov. 7, 1939. Class 6.
Stanton Pharmacal Co. (See Freezman, Morris.)
Stauffer Chemical Company, Inc., San Francisco, Calif., and New York, N. Y. Sulphur. 374,896; Jan. 30; Serial No. 422,158; published Sept. 12, 1939. Class 6.
Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Fabrics. 374,972; Jan. 30; Serial No. 424,107; published Nov. 21, 1939. Class 42.
Superior Biscuit Co. of Calif., doing business as Superior Biscuit Co., Los Angeles, Calif. Crackers. 374,981; Jan. 30. Class 46.
Taylor Wine Company, The, Hammondsport, N. Y. Wines. 374,860; Jan. 30; Serial No. 417,661; published Nov. 21, 1939. Class 47.
Thompson Shoe Company, St. Paul, Minn., to Thompson Shoe Company, Humboldt, Tenn. Boots and shoes. 132,261; renewed June 15, 1940.
Thomsen, Grover C., doing business as The Glassite Company, Waco, Tex. Beverages and syrups used in preparing the same. 374,963; Jan. 30; Serial No. 423,959; published Nov. 21, 1939. Class 45.
Tivoli Brewing Company, Detroit, Mich. Beer. 374,975; Jan. 30; Serial No. 424,447; published Nov. 21, 1939. Class 48.
Toro, Anthony S., also doing business as Tropic Medical Products Co., Brooklyn, N. Y. Hair dress or tonic, skin lotion. 374,885; Jan. 30; Serial No. 421,402; published Nov. 7, 1939. Class 6.
Trenton Potteries Company, The, Trenton, N. J. Plumbers' supplies of earthenware. 132,058; renewed June 8, 1940.
Trommer, John F., Inc., Brooklyn, N. Y. Beer. 374,951; Jan. 30; Serial No. 423,683; published Nov. 21, 1939. Class 48.
Tropic Medical Products Co. (See Toro, Anthony S.)
Ulrey, David G., Lakeland, Fla. Citrus fruit polishing wax. 374,873; Jan. 30; Serial No. 420,614; published Nov. 7, 1939. Class 6.
U. S. Industrial Alcohol Co., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Ethyl alcohol. 131,861; renewed May 25, 1940.
U. S. Industrial Alcohol Co., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Ethyl alcohol. 132,063; renewed June 8, 1940.
Vandewart, Mark, doing business as Cossack Products, New York, N. Y. Stomach bitters. 374,940; Jan. 30; Serial No. 423,282; published Nov. 14, 1939. Class 6.
Van Landingham, Charles E., Los Angeles, assignor, by mesne assignments, to French Sardine Company, Incorporated, Terminal Island, Calif. Canned fish. 131,868; renewed May 25, 1940.
Vick Chemical Company, New York, N. Y. Germicide and antiseptic. 374,913; Jan. 30; Serial No. 422,877; published Nov. 7, 1939. Class 6.
Warren Brothers Company, Boston, to Warren Brothers Company, Cambridge, Mass. Pavements and paving material. 132,068; renewed June 8, 1940.
Wella Corporation, The, New York, N. Y. Preparation used in the treatment of dry and brittle hair. 374,941; Jan. 30; Serial No. 423,347; published Nov. 14, 1939. Class 6.
White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Medicinal tablets. 374,909; Jan. 30; Serial No. 422,765; published Nov. 14, 1939. Class 6.
Williams, Timothy F., New York, N. Y. Tooth paste and powder. 374,926; Jan. 30; Serial No. 423,040; published Nov. 7, 1939. Class 6.
Wilson Chemical Company, Inc., The, Tyrone, Pa. Shaving cream. 374,904; Jan. 30; Serial No. 422,644; published Nov. 21, 1939. Class 4.
Woodley, Buick W., doing business as Carolina Medicine Co., Asheboro, N. C. Antiseptic. 374,853; Jan. 30; Serial No. 416,302; published Nov. 7, 1939. Class 6.
Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen overcoating goods in the piece. 132,072; renewed June 8, 1940.
Write, Incorporated, Bridgeport, Conn. Type and roll refinisher. 374,867; Jan. 30; Serial No. 419,826; published Oct. 24, 1939. Class 6.

LIST OF REGISTRANTS OF LABELS

Cramer Safe & Office Equipment Company, Kansas City, Mo. Cramer "Air-Flow" Chairs. For Chairs. 54,220; Jan. 30.

Curtis, David, doing business as The De-Ce Products Co. of N. Y. (Anestex Laboratories), New York, N. Y. Anestex Injectubes Containing Procaine-Epinephrine and Eucupin. For a Local Anesthetic Solution Containing Procaine-Epinephrine and Eucupin. 54,221; Jan. 30.

De-Ce Products Co. of N. Y. (Anestex Laboratories), The. (See Curtis, David.)

Duff, P., & Sons, Inc., Pittsburgh, Pa. Duff's Devil's Food Mix. For a Devil's Food Mix. 54,222; Jan. 30.

Duff, P., & Sons, Inc., Pittsburgh, Pa. Duff's Ginger Bread Mix. For a Ginger Bread Mix. 54,223; Jan. 30.

Duff, P., & Sons, Inc., Pittsburgh, Pa. Duff's Spice Cake Mix. For a Cake Mix. 54,224; Jan. 30.

Eno, J. C., (U. S.) Limited, New York, N. Y. Eno. For a Saline Laxative. 54,225; Jan. 30.

Giuriani, A., & Bro., San Francisco, Calif. El Padre. For Olive Oil. 54,226; Jan. 30.

Kimball, H. B., Milwaukee, Wis. Kimball's Rays of Health. For Stomach Tablets. 54,227; Jan. 30.

Loma Linda Food Company, Arlington, Calif. Breakfast Cup. For a Coffee Substitute. 54,228; Jan. 30.

Morning Milk Company, Salt Lake City, Utah. Skimko. For Evaporated Skim Milk. 54,229; Jan. 30.

Morning Milk Company, Salt Lake City, Utah. Sterilskim. For Sterilized Skim Milk. 54,230; Jan. 30.

Morrell, John, & Co., Ottumwa, Iowa. Snow Cap. For Lard. 54,231; Jan. 30.

Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Sweet Georgia Brown Skin Secret Cream. For a Skin Cream. 54,232; Jan. 30.

Noonan, Ray, Bernard, Iowa. Sunshine Vitamin Fed Turkeys. For Turkeys. 54,233; Jan. 30.

Pittsburg Storage Co. (See Stewart, W.)

Selmer, H. & A., Inc., Elkhart, Ind. Selmer Slide Oil. For Slide Oil With Applicators. 54,234; Jan. 30.

Siegel-Lyttle Inc., New York, N. Y. "Lady of Today" Dress. For Ladies' Dresses. 54,235; Jan. 30.

Sisreau Company, St. Paul, Minn. Vita-Tone A. For a Hair and Scalp Cleanser and Conditioner. 54,236; Jan. 30.

Standard Brands Incorporated, New York, N. Y. Fleischmann's. For Dry Yeast. 54,237; Jan. 30.

Stewart, W., doing business as Pittsburg Storage Co., Pittsburg, Tex. Yam-Bo-Ree. For Sweet Potatoes. 54,238; Jan. 30.

Taylor, K., Distilling Co., Incorporated, The, Frankfort, Ky. K. Taylor. For Kentucky Straight Bourbon Whisky. 54,239; Jan. 30.

Taylor, K., Distilling Co., Incorporated, The, Frankfort, Ky. 99. For Kentucky Straight Bourbon Whisky. 54,240; Jan. 30.

Ulmer Pharmacal Company, Minneapolis, Minn. Nyrel. For a Deodorant Cream. 54,241; Jan. 30.

Valmor Products Company. (See Neumann, Morton G.)

Ward Baking Company, New York, N. Y. Ward's Cake—Golden Nugget. For Cake. 54,242; Jan. 30.

LIST OF REGISTRANTS OF PRINTS

American Bosch Corporation, Springfield, Mass. Neverstall Windshield Wiper. For Electric Windshield Wipers. 17,810; Jan. 30.

Champion Products Co. (See Levin, Charles.)

Champion Products Co. (See Levin, Isadore.)

Desmond's, Los Angeles, Calif. It's a California Christmas at Desmond's. For Wearing Apparel, Leather Goods, Jewelry, Toiletries, Toy Sound Control Studios, Toy Television Kits, Toys, and Games. 17,811; Jan. 30.

Hurtt, Henry, Baltimore, Md. Clear the Way Dirt Goes and Bugs are no Longer Snug in Rugs A Clearer Film for a Brighter Floor. For a Bowl Cleaner, a Rug Shampoo and a Floor Wax. 17,812; Jan. 30.

Katzinger, Edward, Company, The, Chicago, Ill. Miracle Can Opener. For Can Openers. 17,813; Jan. 30.

Katzinger, Edward, Company, The, Chicago, Ill. Ice Picks. For Ice Picks. 17,814; Jan. 30.

Katzinger, Edward, Company, The, Chicago, Ill. Fruit Baller. For Fruit Ballers. 17,815; Jan. 30.

Katzinger, Edward, Company, The, Chicago, Ill. Plate Scraper. For Plate Scrapers. 17,816; Jan. 30.

Katzinger, Edward, Company, The, Chicago, Ill. Finger Rest Paring Knife. For Finger Rest Paring Knives. 17,817; Jan. 30.

Kay, Tyler, Company, Inc., Buffalo, N. Y. Likeable. For Beer. 17,818; Jan. 30.

Levin, Charles, doing business as Champion Products Co., New York, N. Y. Fine-Tone Champion Phonograph Needles. For Phonograph Needles. 17,819; Jan. 30.

Levin, Isadore, doing business as Champion Products Co., New York, N. Y. Big Ben Tobacco Pouches. For Tobacco Pouches. 17,820; Jan. 30.

Parker Pen Company, The, Janesville, Wis. Gorgeous Gifts Guaranteed for Life by Parker. For Fountain Pens, Mechanical Pencils, and Clock Writing Sets. 17,821; Jan. 30.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Prince Albert A–1. For Smoking Tobacco. 17,822; Jan. 30.

Smith, Alvero E., San Francisco, Calif. Megotron. For Insulation Resistance Measuring Meters. 17,823; Jan. 30.

Ueltschi, Frank E., Saginaw, Mich. A New Idea in Book Matches. For Book Matches. 17,824; Jan. 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 4

Abrasive products. Norton Company. 128,474; renewed Jan. 6, 1940.

Alcohol, Ethyl. U. S. Industrial Alcohol Co. 132,063; renewed June 8, 1940.

Cleaner, General. S. Alvarez. 374,977; Jan. 30.

Cleaning fluid. Federal Mining & Mfg. Co. 374,953; Jan. 30; Serial No. 423,757; published Nov. 21, 1939.

Cleaning fluids. Aluminate Company. 374,800; Jan. 30; Serial No. 421,592; published Nov. 21, 1939.

Cleaning powder. Hygienic Products Company. 374,844–5; Jan. 30; Serial Nos. 413,671–2; published Nov. 21, 1939.

Cleanser. Linco Products Corporation. 374,956; Jan. 30; Serial No. 423,846; published Nov. 21, 1939.

Cleanser, Hand. Fulton Process and Chemical Corporation. 374,973; Jan. 30; Serial No. 424,166; published Nov. 21, 1939.

Preparation for cleaning and preserving rubber articles and renewing the surface thereof. Keel & Company. 374,983; Jan. 30.

Shaving cream. Wilson Chemical Company. 374,904; Jan. 30; Serial No. 422,644; published Nov. 21, 1939.

Soap. Benjamin Brooke & Company. 17,391; re-renewed Jan. 14, 1940.

Soap. Buck-Jack Company. 374,948; Jan. 30; Serial No. 423,618; published Nov. 21, 1939.

Soap flakes. Phoenix Oil Company. 374,986; Jan. 30.

Soap, Scouring. Benjamin Brooke & Company. 17,540; re-renewed Feb. 18, 1940.

Steel wool and woven metal cleaners. D. J. Kelman. 374,946; Jan. 30; Serial No. 423,585; published Nov. 21, 1939.

CLASS 6

Abietene sodium sulfonate, acetanilide, acetic acid, etc. E. I. du Pont de Nemours and Company. 374,883; Jan. 30; Serial No. 421,223; published Oct. 31, 1939.

Agents used in the manufacture of vitreous enamels, Opaquing. Harshaw Chemical Company. 374,864; Jan. 30; Serial No. 419,225; published Oct. 31, 1939.

Antiseptic. B. W. Woodley. 374,853; Jan. 30; Serial No. 416,302; published Nov. 7, 1939.

Astringents, astringent cerates, cold creams, etc. Shulton, Inc. 374,868; Jan. 30; Serial No. 419,884; published Oct. 31, 1939.

Bath tablets. Berlo Cosmetic Products, Inc. 374,862; Jan. 30; Serial No. 418,509; published Nov. 14, 1939.

Bitters, Stomach. M. Vandewart. 374,940; Jan. 30; Serial No. 423,282; published Nov. 14, 1939.

Bleaching and disinfecting solutions. Sinclair Manufacturing Company. 374,943; Jan. 30; Serial No. 423,441; published Nov. 14, 1939.

Chemical applied to wrapping paper for retarding formation of mould. Riegel Paper Corporation. 374,921; Jan. 30; Serial No. 422,955; published Nov. 7, 1939.

Chemical compound. Schering Corporation. 374,908; Jan. 30; Serial No. 422,758; published Nov. 7, 1939.

Chemical preparations, Disinfecting. Protectol Company. 374,870; Jan. 30; Serial No. 420,186; published Oct. 24, 1939.

Chemical substances. Courtaulds, Limited. 374,955; Jan. 30; Serial No. 423,799; published Nov. 14, 1939.

Chemicals. Seydel Manufacturing Company. 131,830; renewed May 25, 1940.

Chemicals, Photographic. Gevaert Photo-Producten, Naamlooze Venootschap (Photo-Produits Gevaert, Société Anonyme). 374,932; Jan. 30; Serial No. 423,092; published Oct. 24, 1939.

Cologne. Lucien Lelong, Inc. 374,945; Jan. 30; Serial No. 423,502; published Oct. 31, 1939.

Composition for defeathering fowl or de-hairing animals, Wax. National Wax Company. 374,892; Jan. 30; Serial No. 422,066; published Nov. 14, 1939.

Compositions for treating metal surfaces. Curtin-Howe Corporation. 374,952; Jan. 30; Serial No. 423,726; published Nov. 7, 1939.

Compositions for waving hair. Frigid-H-Air Permanent Wave Corp. 374,869; Jan. 30; Serial No. 420,098; published Oct. 31, 1939.

Cosmetics. G. Saleva & Co. 374,916; Jan. 30; Serial No. 422,912; published Nov. 7, 1939.

Cream, foundation cream, cream for cleansing, etc., Tissue. G. Collette. 374,837; Jan. 30; Serial No. 409,397; published Nov. 7, 1939.

Cream, Hair waving. G. C. Staber. 374,935; Jan. 30; Serial No. 423,149; published Nov. 7, 1939.

Dentrifices. John Knight Limited. 374,944; Jan. 30; Serial No. 423,467; published Oct. 31, 1939.

Dip, Animal. Niagara Sprayer and Chemical Co. 374,881; Jan. 30; Serial No. 421,095; published Oct. 24, 1939.

Disinfectant-germicide. J. Arena. 374,922; Jan. 30; Serial No. 422,976; published Nov. 7, 1939.

Dyestuffs and bulk oils. Maher Color & Chemical Co. Inc. 374,858; Jan. 30; Serial No. 416,859; published Oct. 24, 1939.

Emulsion of cod liver oil. Morton Manufacturing Corporation. 374,938; Jan. 30; Serial No. 423,226; published Nov. 14, 1939.

Enamel adapted for coating finger-nails and lipsticks. Revlon Products Corporation. 374,957; Jan. 30; Serial No. 423,862; published Oct. 31, 1939.

Enamel adapted for coating finger-nails and lipsticks. Revlon Products Corporation. 374,958; Jan. 30; Serial No. 423,863; published Nov. 14, 1939.

Eye drops. Nyal Company. 374,928; Jan. 30; Serial No. 423,065; published Oct. 24, 1939.

Extracts—namely, extracts used in the tanning industry, Industrial. La Forestal Argentina, Sociedad Anonima de Tierras, Maderas y Explotaciones Comerciales e industriales. 374,840; Jan. 30; Serial No. 410,295; published Oct. 24, 1939.

Fabric treating preparations. W. Shannon. 374,865; Jan. 30; Serial No. 419,275; published Nov. 7, 1939.

Facial pack. B. Culver. 374,871; Jan. 30; Serial No. 420,314; published Sept. 26, 1939.

Facial preparations. M. de Botelho. 374,863; Jan. 30; Serial No. 419,011; published Nov. 7, 1939.

Foods, Supplemental. P. W. Simons. 374,839; Jan. 30; Serial No. 410,271; published July 4, 1939.

Gases prepared for medical purposes. Puritan Compressed Gas Corporation. 374,872; Jan. 30; Serial No. 420,429; published Nov. 14, 1939.

Germicide and antiseptic. Vick Chemical Company. 374,913; Jan. 30; Serial No. 422,877; published Nov. 7, 1939.

Hair dress or tonic, skin lotion. A. S. Toro. 374,885; Jan. 30; Serial No. 421,402; published Nov. 7, 1939.

Hair tonic. W. J. Doxsee. 374,912; Jan. 30; Serial No. 422,810; published Oct. 31, 1939.

Insecticides. George A. Morty Company. 374,901; Jan. 30; Serial No. 422,447; published Nov. 14, 1939.

Laxative and cathartic preparation. Nyal Company. 374,929; Jan. 30; Serial No. 423,066; published Oct. 24, 1939.

Laxatives and cathartics. Wm. S. Merrell Company. 374,903; Jan. 30; Serial No. 422,593; published Nov. 7, 1939.

Lotion, cologne, hair tonic, etc., After-shaving. House for Men, Inc. 374,854; Jan. 30; Serial No. 416,420; published Nov. 7, 1939.

Lotion for the preventative of bites from insects. Millsite Steel & Wire Works. 374,850; Jan. 30; Serial No. 416,198; published Nov. 7, 1939.

Lotions, tonics, creams, and oils, Cosmetic. Gloria Bristol, Ltd. 374,861; Jan. 30; Serial No. 417,831; published Oct. 24, 1939.

Lubricant, insecticide, petrolatum, etc., Intestinal. Gulf Oil Corporation. 374,936; Jan. 30; Serial No. 423,168; published Oct. 24, 1939.

Magnesium citrate. J. T. Baker Chemical Co. 374,937; Jan. 30; Serial No. 423,201; published Oct. 31, 1939.

Meat curing compounds. Figaro Company. 374,859; Jan. 30; Serial No. 417,007; published Sept. 26, 1939.

Medical preparation, External. Rice and Rice. 374,920; Jan. 30; Serial No. 422,954; published Oct. 24, 1939.

Medicated compound. R. J. Ruckman. 374,925; Jan. 30; Serial No. 423,036; published Nov. 7, 1939.

Medicinal preparations. Ferment Company. 374,855; Jan. 30; Serial No. 416,555; published Oct. 24, 1939.

Medicinal solutions. Bolls Medicine Co. 374,961; Jan. 30; Serial No. 423,939; published Oct. 31, 1939.

Medicinal tablets. R. C. White. 374,909; Jan. 30; Serial No. 422,765; published Nov. 14, 1939.

Medicines, Dog. S. Ree. 374,915; Jan. 30; Serial No. 422,909; published Nov. 14, 1939.

Nail polish, nail polish remover, nail enamel, etc. Peggy Sage, Inc. 374,856; Jan. 30; Serial No. 416,618; published Aug. 22, 1939.

Oil, Refined mineral. Conewango Refining Company. 374,947; Jan. 30; Serial No. 423,593; published Nov. 7, 1939.

Ointment. McNeil Laboratories, Incorporated. 374,954; Jan. 30; Serial No. 423,765; published Nov. 7, 1939.

Ointments. Mrs. M. Napoleon. 128,799; renewed Jan. 13, 1940.

Organic materials, Sulfated and sulfonated. National Oil Products Company. 374,889; Jan. 30; Serial No. 421,575; published Oct. 24, 1939.

Parasiticides. California Spray-Chemical Corporation. 374,934; Jan. 30; Serial No. 423,124; published Nov. 14, 1939.

Perfume. Irresistible, Inc. 374,960; Jan. 30; Serial No. 423,887; published Oct. 31, 1939.

Perfume. Irresistible, Inc. 374,962; Jan. 30; Serial No. 423,953; published Nov. 14, 1939.

Perfume extract, toilet water, talcum powder, etc. Florida Flowers, Inc. 374,882; Jan. 30; Serial No. 421,136; published Oct. 24, 1939.

Perfumes and toilet waters. Henri Bendel Inc. 374,902; Jan. 30; Serial No. 422,534; published Nov. 7, 1939.

Perfumes, eau de cologne, face powders, etc. Etta Perfumes. 374,875; Jan. 30; Serial No. 420,903; published Oct. 24, 1939.

Pharmaceutical product. La Compagnie Pharmaceutique Desbergers. 374,966; Jan. 30; Serial No. 424,010; published Nov. 14, 1939.

Powder, Fly. Kawahara Co. 374,851; Jan. 30; Serial No. 416,290; published Oct. 24, 1939.

Powder, toilet water, etc., Face and dusting. A. Morel. 374,877; Jan. 30; Serial No. 420,913; published Oct. 24, 1939.

Preparation for massaging and for the relief of rheumatism and stiffness, Liquid. B. Hartmann. 374,895; Jan. 30; Serial No. 422,134; published Oct. 24, 1939.

Preparation for preventing stains, mildew, and rust, etc. Interstate Laboratories, Inc. 374,891; Jan. 30; Serial No. 421,777; published Nov. 7, 1939.

Preparation for prevention of rust or corrosion in machinery and various metallic surfaces. Potomac Chemical Company. 374,900; Jan. 30; Serial No. 422,418; published Oct. 24, 1939.

Preparation for relieving stomach and intestinal diseases. Kawahara Co. 374,852; Jan. 30; Serial No. 416,292; published Nov. 14, 1939.

Preparation for use in removing rust and stains from metal. American Rust Eradicator Co. 374,911; Jan. 30; Serial No. 422,802; published Nov. 14, 1939.

Preparation used in the treatment of dry and brittle hair. Wella Corporation. 374,941; Jan. 30; Serial No. 423,347; published Nov. 14, 1939.

Preparation used in the treatment of Vitamin B deficiency conditions. Endo Products, Inc. 374,931; Jan. 30; Serial No. 423,091; published Nov. 14, 1939.

Radiator cleaning fluid and for a chemical rust proofing solution, Automobile. Rust Master Chemical Corp. 374,898; Jan. 30; Serial No. 422,268; published Oct. 24, 1939.

Rat exterminators and roach exterminators. J. L. Nicholas. 374,887; Jan. 30; Serial No. 421,490; published Oct. 24, 1939.

Resins, aqueous dispersions of resins, aqueous emulsions of resins, etc. Quaker Chemical Products Corp. 374,914; Jan. 30; Serial No. 422,908; published Nov. 7, 1939.

Salts and liquids, Meat curing. Preservaline Manufacturing Co. 374,933; Jan. 30; Serial No. 423,115; published Nov. 14, 1939.

Salts, Bile. Paul Plessner Company. 374,930; Jan. 30; Serial No. 423,069; published Oct. 24, 1939.

Sedative and antispasmodic, Palatable and powerful nerve. M. Freezman. 374,897; Jan. 30; Serial No. 422,171; published Oct. 24, 1939.

Sedative, expectorant, and bronchial medicament. Sharp & Dohme, Incorporated. 374,939; Jan. 30; Serial No. 423,235; published Nov. 14, 1939.

Sizing and finishing compounds. Seydel Manufacturing Company. 131,609; renewed May 18, 1940.

Soap-dyes. Lever Brothers Company. 128,429; renewed Jan. 6, 1940.

Sodium arsenite. Pennsylvania Salt Manufacturing Company of Washington. 374,919; Jan. 30; Serial No. 422,953; published Nov. 7, 1939.

Sodium hypochlorite solution, a water softener and cleaner. E. J. Mraz. 374,878; Jan. 30; Serial No. 420,984; published Oct. 24, 1939.

Sorbitol syrups. Atlas Powder Company. 374,842; Jan. 30; Serial No. 411,516; published Oct. 24, 1939.

Starch, Laundry. Hellwig-Miller Company. 374,905; Jan. 30; Serial No. 422,694; published Nov. 7, 1939.

Sulphur. Stauffer Chemical Company. 374,896; Jan. 30; Serial No. 422,158; published Sept. 12, 1939.

Tonic, General. H. J. Moffett. 374,910; Jan. 30; Serial No. 422,767; published Oct. 31, 1939.

Tonic preparation. Wm. S. Merrell Company. 374,894; Jan. 30; Serial No. 422,113; published Oct. 24, 1939.

Tooth paste and powder. T. F. Williams. 374,926; Jan. 30; Serial No. 423,040; published Nov. 7, 1939.
Tooth powder. Garden Tooth Powder Company. 374,838; Jan. 30; Serial No. 410,050; published Nov. 7, 1939.
Tooth powders, dentifrices and preparations for the treatment of pyorrhea, trench mouth, etc. Knox Company. 374,857; Jan. 30; Serial No. 416,803; published Nov. 7, 1939.
Type and roll refinisher. Write, Incorporated. 374,867; Jan. 30; Serial No. 419,826; published Oct. 24, 1939.
Vaccines. Societe des Usines Chimiques Rhone-Poulenc. 374,846–8; Jan. 30; Serial Nos. 415,010–12; published Oct. 24, 1939.
Wax, Citrus fruit polishing. D. G. Ulrey. 374,873; Jan. 30; Serial No. 420,614; published Nov. 7, 1939.

CLASS 12

Fasteners, Self anchoring drive sleeve. Rawlplug Company. 374,874; Jan. 30; Serial No. 420,778; published Nov. 21, 1939.
Pavements and paving material. Warren Brothers Company. 132,068; renewed June 8, 1940.
Roofing-slate. John D. Emack Co. 127,927; renewed Dec. 16, 1939.

CLASS 13

Plumbers' supplies of earthenware. Trenton Potteries Company. 132,058; renewed June 8, 1940.

CLASS 14

Alloys in rod and wire form used in welding and for core solder. M. Kurzer. 374,942; Jan. 30; Serial No. 423,422; published Nov. 21, 1939.
Castings, Unfinished iron and steel. Mackintosh-Hemphill Company. 374,888; Jan. 30; Serial No. 421,521; published Nov. 21, 1939.
Plates, Flame-cut steel. Lukens Steel Company. 374,866; Jan. 30; Serial No. 419,814; published Nov. 21, 1939.

CLASS 16

Alcohol, Ethyl. U. S. Industrial Alcohol Co. 131,861; renewed May 25, 1940.
Liquid composition in the nature of a paint, Metallic content. Cladite Incorporated. 374,835; Jan. 30; Serial No. 393,896; published Nov. 21, 1939.
Paint enamel and ready-mixed paint. Mobile Paint Manufacturing Company of Delaware, Inc. 374,989; Jan. 30.
Paints, paint enamels, stains, etc. Forman, Ford and Company. 374,906; Jan. 30; Serial No. 422,697; published Nov. 21, 1939.
Polish. J. F. Bray. 374,982; Jan. 30.
Turpentine. Butler Naval Stores Company. 374,964; Jan. 30; Serial No. 423,968; published Nov. 21, 1939.

CLASS 17

Tobacco and cigarettes, Smoking and chewing. Liggett & Meyers Tobacco Company. 130,087; renewed Apr. 6, 1940.

CLASS 19

Bicycles. Simmons Hardware Company. 129,220; renewed Jan. 27, 1940.
Bicycles and parts therefor. Mitsui & Co. Ltd. 374,843; Jan. 30; Serial No. 412,384; published Nov. 21, 1939.
Trucks and structural parts thereof, Motor delivery. Montpelier Manufacturing Co. 374,927; Jan. 30; Serial No. 423,063; published Nov. 21, 1939.

CLASS 21

Ceramics having electrical insulating characteristics. Isolantite Inc. 374,886; Jan. 30; Serial No. 421,484; published Nov. 21, 1939.
Radios and accessories including aerial kits. Firestone Tire & Rubber Company. 374,879–80; Jan. 30; Serial Nos. 420,992–3; published Nov. 21, 1939.
Transformers. Phelps Dodge Copper Products Corporation. 374,971; Jan. 30; Serial No. 424,100; published Nov. 21, 1939.

CLASS 22

Games of jack-straws. Milton Bradley Company. 128,945; renewed Jan. 20, 1940.
Golf clubs, Steel shafts for. James Heddon's Sons. 374,978; Jan. 30.

CLASS 23

Bearings and roller-bearings and parts thereof, Ball. J. Schmid-Roose. 129,216; renewed Jan. 27, 1940.
Hacksaw blades. G. W. Griffin Co. 374,959; Jan. 30; Serial No. 423,882; published Nov. 21, 1939.
Lathes. R. K. LeBlond Machine Tool Company. 132,189; renewed June 15, 1940.
Well producing equipment, Oil. Harbison-Fischer Manufacturing Company. 374,985; Jan. 30.

CLASS 26

Instrument to determine the carbon content of a steel bath. Fisher Scientific Company. 374,968; Jan. 30; Serial No. 424,036; published Nov. 21, 1939.
Lenses, Ophthalmic. E. B. Meyrowitz, Inc. 374,967; Jan. 30; Serial No. 424,013; published Nov. 21, 1939.
Measuring and scientific appliances. Simmons Hardware Company. 129,076; renewed Jan. 20, 1940.

CLASS 28

Jewelry. Riker Company. 129,850; renewed Mar. 9, 1940.

CLASS 32

Fixtures and racks, Store. Boyle Leather Goods Co. Inc. 374,984; Jan. 30.

CLASS 34

Boilers, Steel. B. Mandelburg. 374,924; Jan. 30; Serial No. 423,030; published Nov. 21, 1939.
Gas generating plants. J. J. Mallr, Jr. 374,923; Jan. 30; Serial No. 423,029; published Nov. 21, 1939.

CLASS 37

Pencils and wrapping-paper, Lead. Simmons Hardware Company. 128,518; renewed Jan. 6, 1940.
Stationery. Eagle Pencil Company. 129,958; renewed Mar. 9, 1940.

CLASS 39

Blouses and suits. Nickels Manufacturing Company. 132,217; renewed June 15, 1940.
Boots and shoes. Thompson Shoe Company. 132,261; renewed June 15, 1940.

CLASS 42

Blankets and piece goods containing wool. Sears, Roebuck and Co. 374,849; Jan. 30; Serial No. 415,146; published Nov. 21, 1939.
Carpets. Roxbury Carpet Company. 132,236; renewed June 15, 1940.
Corduroy goods in the piece. A. D. Juilliard & Co. 374,970; Jan. 30; Serial No. 424,092; published Nov. 21, 1939.
Fabrics. J. L. Stifel & Sons, Inc. 374,972; Jan. 30; Serial No. 424,107; published Nov. 21, 1939.
Fabrics in the piece, Textile. Mallinson Fabrics Corporation. 374,918; Jan. 30; Serial No. 422,942; published Oct. 17, 1939.
Piece goods. Eureka Woolen Mills. 374,899; Jan. 30; Serial No. 422,401; published Nov. 21, 1939.
Piece goods. Golding Bros. Company. 374,965; Jan. 30; Serial No. 423,977; published Nov. 21, 1939.
Piece goods. Ridgway, Whiting & Bodenschatz, Inc 374,841; Jan. 30; Serial No. 411,311; published Nov. 21, 1939.
Sheets and pillow cases. Nashua Manufacturing Company. 374,960; Jan. 30; Serial No. 424,051; published Nov. 21, 1939.
Woolen overcoating goods in the piece. Worumbo Manufacturing Company. 132,072; renewed June 8, 1940.
Woolen piece goods. Atlantic Mills. 128,131; renewed Dec. 23, 1939.

CLASS 44

Devices for holding dental films. Bard-Parker Company. 374,974; Jan. 30; Serial No. 424,338; published Nov. 21, 1939.
Electro-therapeutic apparatus. W. G. Lewi. 374,884; Jan. 30; Serial No. 421,246; published Nov. 21, 1939.
Heating pads for permanent hair waving, Chemical. Duart Manufacturing Co. 374,988; Jan. 30.
Sanitary napkins. Kimberly-Clark Company. 128,416; renewed Jan. 6, 1940.
Sanitary napkins. Lewis Manufacturing Company. 130,795; renewed May 4, 1940.
Therapeutic machines. Mann Capacitherm Company. 374,876; Jan. 30; Serial No. 420,911; published Nov. 21, 1939.

CLASS 45

Beverages. Root Pop Bottling Co. 374,893; Jan. 30; Serial No. 422,259; published Nov. 21, 1939.
Beverages and syrups used in preparing the same. G. C. Thomsen. 374,963; Jan. 30; Serial No. 423,959; published Nov. 21, 1939.
Cider and carbonated cider beverage, Apple. Scotch Products Incorporated. 374,976; Jan. 30; Serial No. 424,499; published Nov. 21, 1939.

CLASS 46

Canned apricots and canned peaches. San Fernando Canning Co. 125,170–1; renewed Apr. 15, 1939.
Canned apricots and canned peaches. San Fernando Canning Co. 125,584; renewed May 27, 1939.
Canned fish. C. E. Van Landingham. 131,868; renewed May 25, 1940.
Canned peaches and canned apricots. San Fernando Canning Co. 125,583; renewed May 27, 1939.
Canned peaches, canned apricots and canned tomatoes. San Fernando Canning Co. 125,172; renewed Apr. 15, 1939.
Canned tomato paste. San Fernando Canning Co. 125,173; renewed Apr. 15, 1939.
Canned tomatoes, canned peaches, and canned apricots. San Fernando Canning Co. 125,169; renewed Apr. 15, 1939.
Canned tomatoes with purée from trimmings, canned peaches, etc. San Fernando Canning Co. 125,174; renewed Apr. 15, 1939.
Cocoa and chocolates. Stephen L. Bartlett Company. 128,302; renewed Jan. 6, 1940.

Crackers. Superior Biscuit Co. of Calif. 374,981; Jan. 30.
Feed, Hominy. Postum Cereal Company. 128,821; renewed Jan. 13, 1940.
Hams, bacon, and lard. Thomas J. Kurdle Company. 129,294; renewed Feb. 10, 1940.
Vegetable food compound, and vegetables, pickles, and fish. P. Kleckner. 130,196; renewed Apr. 13, 1940.

CLASS 47

Wines. Achaia-Clauss Wine Company. 374,836; Jan. 30; Serial No. 402,162; published Oct. 4, 1938.
Wines. Geo. H. Naegele, Ralph Forch and S. W. Harkleroad. 374,907; Jan. 30; Serial No. 422,727; published Nov. 21, 1939.
Wines. Taylor Wine Company. 374,860; Jan. 30; Serial No. 417,661; published Nov. 21, 1939.

CLASS 48

Beer. J. Ruppert. 374,949–50; Jan. 30; Serial Nos. 423,635–6; published Nov. 21, 1939.
Beer. Tivoli Brewing Company. 374,975; Jan. 30; Serial No. 424,447; published Nov. 21, 1939.
Beer. John F. Trommer, Inc. 374,951; Jan. 30; Serial No. 423,683; published Nov. 21, 1939.

CLASS 49

Brandy. House of McAteer, Inc. 374,979; Jan. 30.
Cocktails, brandies, gins, etc., Prepared. Arrow Distilleries, Inc. 374,987; Jan. 30.
Rum. Destileria Tropical. 374,980; Jan. 30.

LIST OF LABELS

Anestex Injectubes Containing Procaine-Epinephrine and Eucupin. For a Local Anesthetic solution Containing Procaine-Epinephrine and Eucupin. D. Curtis. 54,221; Jan. 30.
Breakfast Cup. For a Coffee Substitute. Loma Linda Food Company. 54,228; Jan. 30.
Cramer "Air-Flow" Chairs. For Chairs. Cramer Safe & Office Equipment Company. 54,220; Jan. 30.
Duff's Devil's Food Mix. For a Devil's Food Mix. P. Duff & Sons, Inc. 54,222; Jan. 30.
Duff's Ginger Bread Mix. For a Ginger Bread Mix. P. Duff & Sons, Inc. 54,223; Jan. 30.
Duff's Spice Cake Mix. For a Cake Mix. P. Duff & Sons, Inc. 54,224; Jan. 30.
El Padre. For Olive Oil. A. Giuriani & Bro. 54,226; Jan. 30.
Eno. For a Saline Laxative. J. C. Eno (U. S.) Limited. 54,225; Jan. 30.
Fleischmann's. For Dry Yeast. Standard Brands Incorporated. 54,237; Jan. 30.
K. Taylor. For Kentucky Straight Bourbon Whisky. K. Taylor Distilling Co. 54,239; Jan. 30.
Kimball's Rays of Health. For Stomach Tablets. H. B. Kimball. 54,227; Jan. 30.
"Lady of Today" Dress. For Ladies Dresses. Siegel-Lyttle Inc., 54,235; Jan. 30.
99. For Kentucky Straight Bourbon Whisky. K. Taylor Distilling Co. 54,240; Jan. 30.
Nyrel. For a Deodorant Cream. Ulmer Pharmacal Company. 54,241; Jan. 30.
Selmer Slide Oil. For Slide Oil With Applicators. H. & A. Selmer Inc. 54,234; Jan. 30.
Skimko. For Evaporated Skim Milk. Morning Milk Company. 54,229; Jan. 30.
Snow Cap. For Lard. John Morrell & Co. 54,231; Jan. 30.
Sterilskim. For Sterilized Skim Milk. Morning Milk Company. 54,230; Jan. 30.
Sunshine Vitamin Fed Turkeys. For Turkeys. R. Noonan. 54,233; Jan. 30.
Sweet Georgia Brown Skin Secret Cream. For a Skin Cream. M. G. Neumann. 54,232; Jan. 30.
Vita-Tone A. For a Hair and Scalp Cleanser and Conditioner. Sisreau Company. 54,236; Jan. 30.
Ward's Cake—Golden Nugget. For Cake. Ward Baking Company. 54,242; Jan. 30.
Yam-Bo-Ree. For Sweet Potatoes. W. Stewart. 54,238; Jan. 30.

LIST OF PRINTS

A New Idea in Book Matches. For Book Matches. F. E. Ueltschi. 17,824; Jan. 30.
Big Ben Tobacco Pouches. For Tobacco Pouches. I. Levin. 17,820; Jan. 30.
Clear the Way Dirt Goes and Bugs are no Longer Snug in Rugs A Clearer Film for a Brighter Floor. For a Bowl Cleaner, a Rug Shampoo and a Floor Wax. H. Hurtt. 17,812; Jan. 30.
Fine-Tone Champion Phonograph Needles. For Phonograph Needles. C. Levin. 17,819; Jan. 30.
Finger Rest Paring Knife. For Finger Rest Paring Knives. Edward Katzinger Company. 17,817; Jan. 30.
Fruit Baller. For Fruit Ballers. Edward Katzinger Company. 17,815; Jan. 30.
Gorgeous Gifts Guaranteed for Life by Parker. For Fountain Pens, Mechanical Pencils, and Clock Writing Sets. Parker Pen Company. 17,821; Jan. 30.
Ice Picks. For Ice Picks. Edward Katzinger Company. 17,814; Jan. 30.
It's a California Christmas at Desmond's. For Wearing Apparel, Leather Goods, Jewelry, Toiletries, Toy Sound Control Studios, Toy Television Kits, Toys, and Games. Desmond's. 17,811; Jan. 30.
Likeable. For Beer. Tyler Kay Company. 17,818; Jan. 30.
Megotron. For Insulation Resistance Measuring Meters. A. E. Smith. 17,823; Jan. 30.
Miracle Can Opener. For Can Openers. Edward Katzinger Company. 17,813; Jan. 30.
Neverstall Windshield Wiper. For Electric Windshield Wipers. American Bosch Corporation. 17,810; Jan. 30.
Plate Scraper. For Plate Scrapers. Edward Katzinger Company. 17,816; Jan. 30.
Prince Albert A–1. For Smoking Tobacco. R. J. Reynolds Tobacco Company. 17,822; Jan. 30.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bridgeport Fabrics, Inc. (See Hamm, James I., assignor.)
Gleaner Harvester Corporation. (See Pierson, Torvald N., assignor.)
Graham, William A., assignor of thirty-nine per cent to F. S. Henshaw and ten per cent to B. Patterson, Houston, Tex. Toasting machine. Re. 21,336; Jan. 30.
Hamm, James I., Fairfield, assignor, by mesne assignments, to Bridgeport Fabrics, Inc., Bridgeport, Conn. Door weather strip. Re. 21,337; Jan. 30.
Haut, Samuel, Brooklyn, N. Y. Tea package. Re. 21,338; Jan. 30.
Henshaw, F. S., et al. (See Graham, William A., assignor.)
Karmazin, John, assignor, by mesne assignments of one-half to R. M. Karmazin, Grosse Ile, Mich. Heat exchange apparatus. Re. 21,339; Jan. 30.
Karmazin, Rose M. (See Karmazin, John, assignor.)
Patterson, Bennett, et al. (See Graham, W. A., assignor.)
Pierson, Torvald N., Kansas City, assignor to Gleaner Harvester Corporation, Independence, Mo. Grain pan raising and lowering mechanism. Re. 21,340; Jan. 30.

LIST OF PLANT PATENTEES

Salbach, Carl, assignor to E. S. Salbach, Contra Costa County, Calif. Gladiolus. 356; Jan. 30.
Salbach, Carl, assignor to E. S. Salbach, Contra Costa County, Calif. Gladiolus. 357; Jan. 30.
Salbach, Carl, assignor to E. S. Salbach, Contra Costa County, Calif. Gladiolus. 358; Jan. 30.
Salbach, Carl, assignor to E. S. Salbach, Contra Costa County, Calif. Gladiolus. 359; Jan. 30.
Salbach, Carl, assignor to E. S. Salbach, Contra Costa County, Calif. Gladiolus. 360; Jan. 30.
Salbach, Ella S. (See Salbach, Carl, assignor.)

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Alm, Henry G., assignor.)
Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Alm, Henry G., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture globe or similar article. 118,717; Jan. 30.
Alm, Henry G., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture globe or similar article. 118,718; Jan. 30.
Bauer, Martin O., Bergenfield, N. J. Combination slacks and suspenders. 118,799; Jan. 30.
Berland, Jacob B., St. Louis, Mo. Sandal. 118,719; Jan. 30.
Breuss, Walter F., Leonia, N. J. Lace collar or similar article. 118,800; Jan. 30.
Breuss, Walter F., Leonia, N. J. Lace collar or similar article. 118,801; Jan. 30.
Breuss, Walter F., Leonia, N. J. Lace collar or similar article. 118,802; Jan. 30.
Brunetti, Joseph, Carlstadt, N. J. Goggle. 118,732; Jan. 30.
Bruning, Charles, Company. (See Misuraca, Louis J., assignor.)
Cadous, Esther, New York, N. Y. Slip. 118,803; Jan. 30.
Cadous, Esther, New York, N. Y. Slip. 118,804; Jan. 30.
Calhoun, James, Oakland, Calif. Safety danger signal for automobiles. 118,733; Jan. 30.
Cannon Shoe Company. (See Carfagno, Thomas F., assignor.)
Carfagno, Thomas F., Hanover, Pa., assignor to Cannon Shoe Company, Baltimore, Md. Shoe. 118,692; Jan. 30.
Charles, Camille, New York, N. Y. Dress. 118,750; Jan. 30.
Clark, John B., Old Westbury, N. Y., assignor to Crown Fastener Corporation, Warren, R. I. Pull for a slide fastener. 118,693; Jan. 30.
Cohen, Jack, New York, N. Y. Coat. 118,751; Jan. 30.
Coleman Lamp and Stove Company, The. (See Tullis, Boyd W., assignor.)
Constantine, George, New York, N. Y. Dress. 118,765; Jan. 30.
Croizat, Madeleine, New York, N. Y. Dress. 118,766; Jan. 30.
Crown Fastener Corporation. (See Clark, John B., assignor.)
Deaderick, Robert H., Jacksonville, Fla. Game board. 118,694; Jan. 30.
Decker, Louise, New York, N. Y. Dress. 118,767; Jan. 30.
Donnelly, Charles T., Culver City, Calif. Gas range cabinet. 118,768; Jan. 30.
Dorée, Silvia, New York, N. Y. Slipper or similar article. 118,695; Jan. 30.
Driver, Wilbur B., East Orange, N. J. Mail box. 118,696; Jan. 30.
Eastman Kodak Company. (See Gillon, John W., assignor.)
Edelstein, Hyman M., Jersey City, N. J. Slipper. 118,720; Jan. 30.
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,734; Jan. 30.
Evans, Etta, New York, N. Y. Dress. 118,769; Jan. 30.
Faden, Sylvia, New York, N. Y. Dress. 118,770; Jan. 30.
Feigel, David G., Cleveland, Ohio. Cigarette holder. 118,735; Jan. 30.
Fracchia, Pauline, New York, N. Y. Dress. 118,771; Jan. 30.
Fracchia, Pauline, New York, N. Y. Dress. 118,772; Jan. 30.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 118,805; Jan. 30.
Friedman, Louis E., Brooklyn, N. Y. Slipper. 118,736; Jan. 30.
Gallagher, Clarence C., Detroit, Mich. Rope clamp. 118,697; Jan. 30.
Galter, Jack, Chicago, Ill. Scales model ornament. 118,737; Jan. 30.
General Motors Corporation. (See Phelps, A. G., and Stickel, assignors.)
Gensburg, David. (See Myers, Louis, assignor.)
Gillon, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Transparency viewer. 118,698; Jan. 30.
Gladding, McBean & Co. (See Grant, Mary K., assignor.)
Goodale, Paul L., University City, Mo. Comic figure. 118,699; Jan. 30.
Grant, Mary K., assignor to Gladding, McBean & Co., Los Angeles, Calif. Flower holder or similar article. 118,752; Jan. 30.
Griffith, Charles F., Merion, Pa. Lather's tool head. 118,700; Jan. 30.
Grilli, Florence, New York, N. Y. Dress ensemble. 118,773; Jan. 30.
Guyot Brothers Company. (See Weiss, Edward A., assignor.)
Hammell, Kemper M., Toledo, Ohio, and C. W. Sundberg, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 118,774; Jan. 30.
Hammell, Kemper M., Toledo, Ohio, and C. W. Sundberg, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 118,775; Jan. 30.
Haslup, Dodson, Grafton, W. Va. Pitcher or similar article. 118,721; Jan. 30.
Hazel-Atlas Glass Company. (See Spence, James E., assignor.)
Helt, Philip, New York, N. Y. Dress. 118,776; Jan. 30.
Helt, Philip,, New York, N. Y. Dress. 118,777; Jan. 30.
Heller, Robert, New York, assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Scale casing. 118,701; Jan. 30.

Herring, Jesse B., Birmingham, Ala. Combined porch lamp and sign. 118,738; Jan. 30.
Hoch, Frederick R., Norton, Mass. Atomizer. 118,778; Jan. 30.
Holstein, Sol, New York, N. Y. Combined clasp and button closure therefor. 118,739; Jan. 30.
Jacobs Bros. Co. Inc., The. (See Heller, Robert, assignor.)
Jerro, Richard, Brooklyn, N. Y. Lady's shoe or similar article. 118,722; Jan. 30.
Joseph, Theodore H., Mamaroneck, N. Y. Service station. 118,702; Jan. 30.
Kaback, Nathan, New York, N. Y. Dress. 118,779; Jan. 30.
Kliban, Louis, South Norwalk, Conn. Blouse or similar article. 118,806; Jan. 30.
Kollmann, Karl J., Erie, Pa. Sewer cleaning machine. 118,740; Jan. 30.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 118,780; Jan. 30.
Landwehr, Richard F., Laurelton, assignor to Sagamor Metal Goods Corporation, New York, N. Y. Vanity case or similar article. 118,781; Jan. 30.
Laufer, Helen A., New Kensington, Pa. Lady's undergarment. 118,807; Jan. 30.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 118,703; Jan. 30.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 118,704; Jan. 30.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 118,705; Jan. 30.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 118,706; Jan. 30.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 118,707; Jan. 30.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 118,708; Jan. 30.
Lieber, Herman, Bronx, N. Y. Match book. 118,741; Jan. 30.
Liebhardt, Harry G. (See Walton, Elbert J., assignor.)
Lim, Manuel. (See Sandejas, Jose P., assignor.)
Lohse, Frederick W., Attleboro, Mass. Atomizer. 118,782; Jan. 30.
Martin, Herman H., assignor to H. H. Martin Products Corporation, Toledo, Ohio. Funnel. 118,723; Jan. 30.
Martin, H. H., Products Corporation. (See Martin, Herman H., assignor.)
Miller, Samuel, New York, N. Y. Lighting fixture. 118,742; Jan. 30.
Minkoff, Edward, New York, N. Y. Coat. 118,753; Jan. 30.
Misuraca, Louis J., Glendale, Calif., assignor to Charles Bruning Company, Inc., New York, N. Y. Motorized hand tool unit. 118,724; Jan. 30.
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Moyer, John D., Milwaukee, Wis. Stocking. 118,754; Jan. 30.
Myers, Edgar T., Livingston, Tenn. Paper box opener or the like. 118,709; Jan. 30.
Myers, Louis, Galesburg, assignor to D. Gensburg, Chicago, Ill. Drink mixing cup. 118,725; Jan. 30.
Nicolini, Candido, Solvay, N. Y. Insect trap or the like. 118,743; Jan. 30.
Nielsen, Clayton P., Chicago, Ill. Carbon holder for electric arc welding device. 118,710; Jan. 30.
Oetinger, Elmer F., Buffalo, N. Y. Combination signal and mirror. 118,744; Jan. 30.
Patent License Corporation. (See Zimmerman, Edward C., assignor.)
Phelps, Arthur G., Anderson, Ind., and F. G. Stickel, assignors to General Motors Corporation, Detroit, Mich. Storage battery box. 118,755; Jan. 30.
Philippe, Alfred, New York, N. Y. Pin clip. 118,756; Jan. 30.
Philippe, Alfred, New York, N. Y. Pin clip. 118,757; Jan. 30.
Philippe, Alfred, New York, N. Y. Pin clip. 118,758; Jan. 30.
Philippe, Alfred, New York, N. Y. Pin clip. 118,759; Jan. 30.
Poole, Nina L., Riverside, Calif. Combination mail box and house number plate. 118,711; Jan. 30.
Price, Charles, S., Hollis, N. Y. Decorative sheet of metal foil. 118,726; Jan. 30.
Reynolds, Edwin, Vineland, N. J. Support for spectacle frames and ophthalmic mountings or similar articles. 118,712; Jan. 30.
Reynolds, Edwin, Vineland, N. J. Support for ophthalmic lenses and spectacle mountings or similar articles. 118,713; Jan. 30.
Rothstein, Dorothy, New York, N. Y. Dress. 118,783; Jan. 30.
Rude, Julian E., Rhinelander, Wis. Kitchen fork. 118,714; Jan. 30.
Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric range. 118,793; Jan. 30.
Sagamor Metal Goods Corporation. (See Landwehr, Richard F., assignor.)
Sandejas, Jose P., assignor of one-tenth to M. Lim, Manila, P. I. Automobile direction indicator. 118,745; Jan. 30.
Sapienza, Diana A., New York, N. Y. Dress. 118,784; Jan. 30.
Schmidt, Ruth, Jamaica, N. Y. Textile fabric or similar article. 118,760; Jan. 30.
Schwartz, Josephine, New York, N. Y. Dress. 118,785; Jan. 30.
Schwartz, Josephine, New York, N. Y. Dress ensemble. 118,786; Jan. 30.
Schylander, John F., Chicago, Ill. Ashtray. 118,746; Jan. 30.
Shapiro, Benjamin, New York, N. Y. Dress. 118,787; Jan. 30.
Shapiro, Herbert R., New York, N. Y. Textile fabric. 118,794; Jan. 30.
Sharer, Wesley E., Chicago, Ill., assignor to S. N. Shure and F. Shure, trustees, doing business as Shure Brothers, a partnership. Phonograph tone arm. 118,747; Jan. 30.
Shure Brothers. (See Sharer, Wesley E.)
Shure, Frances, et al., trustees. (See Sharer, Wesley E., assignor.)
Shure, S. N., et al, trustees. (See Sharer, Wesley E., assignor.)
Siegel, Jacob, New York, N. Y. Dress. 118,761; Jan. 30.
Siegel, Jacob, New York, N. Y. Dress. 118,762; Jan. 30.
Sims, Yelmer V. (See Starzec, S. S., and Sims.)
Solash, Max, Linden, N. J. Hat. 118,808; Jan. 30.
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Pitcher. 118,727; Jan. 30.
Sprague, Frank M., Boise, Idaho. Combined connecting clip for match and cigarette packages. 118,748; Jan. 30.
Starzec, Stefan S., Starzec, and Y. V. Sims, Ladysmith, Wis. Milk can. 118,728; Jan. 30.
Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture or similar article. 118,729; Jan. 30.
Stickel, Frederick G. (See Phelps, A. G., and Stickel.)
Sundberg, Carl W. (See Hammell, K. M., and Sundberg.)
Swartzbaugh Manufacturing Company, The. (See Hammell, K. M., and Sundberg, assignors.)
Sweetland, Ernest J., Piedmont, Calif. Combined warming and drying apparatus. 118,730; Jan. 30.
Sussman, Fannie, New York, N. Y. Dress. 118,788; Jan. 30.
Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Cook stove. 118,731; Jan. 30.
Turk, Charles E., New York, N. Y. Elastic textile fabric. 118,795; Jan. 30.
Turpan, Mark, Englewood, N. J. Textile fabric or similar article. 118,796; Jan. 30.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 118,797; Jan. 30.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 118,798; Jan. 30.
Walton, Elbert J., assignor to H. G. Liebhardt, Denver, Colo. Hinge or similar article. 118,715; Jan. 30.
Weiss, Edward A., Attleboro, Mass., assignor to Guyot Brothers Company, Incorporated. Jewelry component. 118,763; Jan. 30.
Westinghouse Electric & Manufacturing Company. (See Russell, William J., assignor.)
Wusits, Olga, New York, N. Y. Dress. 118,789; Jan. 30.
Young, Raymond E., Harvey, Ill. Air conditioner. 118,790; Jan. 30.
Zimmerman, Edward C., assignor to Patent License Corporation, Chicago, Ill. Louvered light transmitting panel. 118,749; Jan. 30.
Zinn, Joseph, New York, N. Y. Dress. 118,764; Jan. 30.
Zinn, Joseph, New York, N. Y. Dress. 118,791; Jan. 30.
Zinn, Joseph, New York, N. Y. Dress. 118,792; Jan. 30.
Zito, Carol, New York, N. Y. Combination toilet seat cover and bath mat, or similar article. 118,716; Jan. 30.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acton, Len, et al. (See Davis, Milton K., assignor.)
Adair, Samuel E., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md. Controlling and sensory system and method. 2,188,382; Jan. 30.
Adair, Samuel E., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md. Controlling and sensory system. 2,188,383; Jan. 30.
Adair, Samuel E., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md. Record and making the same. 2,188,384; Jan. 30.
Advance Aluminum Castings Corp. (See Grundstrom, Erik G., assignor.)
Agfa Ansco Corporation. (See Goldhammer, L., and Gelius, assignors.)
Agfa Ansco Corporation. (See Roehrl, Bruno C., assignor.)
Air Reduction Company. (See Walker, George L., assignor.)
Air-Van Company. (See Roberts, Thomas L., assignor.)
Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)
Aktiebolaget Facit. (See Carlström, Bengt, assignor.)
Albert Specialty Company. (See Moore, Francis, assignor.)
Albion, Charles M., Newton, Mass. Composition for preservation of and combination with latices, rubber, and other proteins and decomposable organic compounds. 2,188,327; Jan. 30.
Albion, Charles M., Boston, Mass. Preservative composition and products derived therefrom. 2,188,468; Jan. 30.
Alfs, John B., Shickley, Nebr. Ensilage cutter. 2,188,522; Jan. 30.
Allen, Albert J., Brooklyn, N. Y. Timing means. 2,188,469; Jan. 30.
Altorfer Brothers Company. (See Castricone, John A., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Air Filter Company. (See Hughes, Thomas R., assignor.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Brass Company, The. (See Freeman, J. R., Jr., and Tracy, assignors.)
American Machine & Foundry Company. (See Naftali, Rudolf, V., and H., assignors.)
American Machine & Foundry Company. (See Patterson, Morehead, assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Seating Company. (See Todd, Edwin T., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
American Type Founders Incorporated. (See Seybold, Frederick W., assignor.)
Ames, Albert H., St. Paul, Minn. Coupler. 2,188,587; Jan. 30.
Andersen, Leif, and E. A. Fredrickson, Chicago, and R. H. Zinkil, Oak Park, Ill. Actuating mechanism for a plumbing fixture. 2,188,562; Jan. 30.
Anderson, Bert J., Hammond, Ind. Subframe member for velocipedes. 2,188,561; Jan. 30.
Anderson, Edward L., assignor to American Blower Corporation, Detroit, Mich. Dust collector. 2,188,547; Jan. 30.
Anderson, George Y., Jr., and T. Davidson, Milwaukee, and B. L. Lonngren, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Lock for propelling machinery. 2,188,328; Jan. 30.
Andrews, George E., Ansonia, Conn. Making a commutator. 2,188,423; Jan. 30.
Animal Trap Company of America. (See Graybill, Hershey R., assignor.)
Antofilli, Giovanni B., et al. (See Walsh, Thomas J., assignor.)
Antranikian, Haig, New York, N. Y. Resistance and impedance measuring device. 2,188,588; Jan. 30.
Anzalone, Samuel V., Watertown, N. Y. Cooking utensil. 2,188,563; Jan. 30.
Apex Tool & Cutter Company, The. (See Severson, Ole, assignor.)
Argus Manufacturing Corporation. (See Hugus, Neil C., assignor.)
Armentrout, Arthur L., Los Angeles, assignor of one-third to E. B. Hall and one-third to V. P. Baker. Handling well casings. 2,188,589; Jan. 30.
Armstrong, Frank S., Youngwood, Pa. Automobile jack. 2,188,698; Jan. 30.
Associated Telephone and Telegraph Company. (See McClew, J. W., and Woodland, assignors.)
Associated Telephone and Telegraph Company. (See Roseby, Philip N., assignor.)
Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Grab bucket. 2,188,672; Jan. 30.
Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Conversion of hydrocarbons. 2,188,638; Jan. 30.
Aumüller, Walter. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)
Automatic Telephone & Electric Company, Limited. (See Thompson, G. W., and Renshaw, assignors.)
Aviation Developments Limited. (See Verdon-Roe, Alliott, assignor.)
Awbrey, William P., Kansas City, Mo. Support and spacer for concrete reinforcements. 2,188,424; Jan. 30.
Bailey, Francis M. (See Odell, I. N., and Bailey.)
Baird Television Limited. (See Dovaston, G., and Graham, assignors.)
Baker Perkins, Company. (See Florian, Otto, assignor.)
Baker, Virgil P., et al. (See Armentrout, Arthur L., assignor.)
Balthasar, Harry G., West Tower Park, assignor to The Edward J. Hoff Company, Cincinnati, Ohio. Venetian blind mechanism. 2,188,639; Jan. 30.
Barber-Colman Company. (See Noling, Martin N., assignor.)
Barrett Company, The. (See Drewsen, Pierre, assignor.)
Barron, Paul W., Miami, Fla. Direct pressure ventilator. 2,188,699; Jan. 30.
Barta, Hugo, Astoria, N. Y. Automatic display device. 2,188,733; Jan. 30.
Bartens, Carl E., Copenhagen, Denmark. Signaling system for vehicles. 2,188,451; Jan. 30.
Bartlett, C. O., & Snow Company, The. (See Smith, Benjamin A., assignor.)
Bassett, James W., Staten Island, N. Y., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Filling containers. 2,188,700; Jan. 30.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bauer, Hans F., Chicago, J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, assignors to Stein, Hall Manufacturing Company, Chicago, Ill. Gummed tape manufacture. 2,188,329; Jan. 30.
Bauer, Jordan V. (See Bauer, Hans F., and J. V., and Hawley.)
Beatrice Creamery Company. (See Murray, Kenneth L., assignor.)
Becher, Wesley R., Wethersfield, assignor to The Silex Company, Hartford, Conn. Strainer and making the same. 2,188,493; Jan. 30.
Beckett, Lloyd S., Boston, Mass. Cap and dropper. 2,188,802; Jan. 30.
Behnke, Guy E. (See Giesey, R. H., and Behnke.)
Behr-Manning Corporation. (See Elbel, E., and Seebach, assignors.)
Bell, Robert A. (See Clark, W. J., Bosanquet, Bell, and Matthews.)
Bell Telephone Laboratories, Incorporated. (See Hickman, Clarence N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Markuson, Oscar S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, Ira G., assignor.)
Bendix Aviation Corporation. (See Rylsky, Gregory V., assignor.)
Bendix Radio Corporation. (See Adair, Samuel E., assignor.)
Berg, Edward N., assignor of one-half to F. F. Schultz, Minneapolis, Minn. Draft regulator for chimneys. 2,188,564; Jan. 30.
Berglund, Charles V., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,188,452; Jan. 30.
Bernard, Ernest, Chicago, Ill. Absorption dynanometer. 2,188,398; Jan. 30.
Bernhardt, Matthias R., Lenoir, N. C. Electrical race track. 2,188,619; Jan. 30.
Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Producing complex metal amine salts. 2,188,746; Jan. 30.
Bertele, Ludwig, Dresden-Tolkewitz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic objective. 2,188,523; Jan. 30.

Bieber, Clarence G., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Electric resistance element. 2,188,399; Jan. 30.

Biszantz, Fred, assignor to The Gallon Metallic Vault Company, Galion, Ohio. Base for air sealed vaults. 2,188,524; Jan. 30.

Biszantz, Fred, assignor to The Gallon Metallic Vault Company, Galion, Ohio. Grave vault. 2,188,525; Jan. 30.

Biszantz, Fred, assignor to The Gallon Metallic Vault Company, Galion, Ohio. Vehicle. 2,188,548; Jan. 30.

Bittick, James E., Fort Myers, assignor of forty-five one-hundredths to E. S. Davies, Tampa, and ten one-hundredths to J. A. Franklin, Fort Myers, Fla. Portable booth. 2,188,747; Jan. 30.

Bjorksten, Johan, Chicago, and W. J. Champion, La Grange, assignors to Ditto, Incorporated, Chicago, Ill. Nonsmudging transfer sheet. 2,188,590; Jan. 30.

Black, Charles E., Hamilton, Kans. Pump trap. 2,188,425; Jan. 30.

Blair, James H., Staten Island, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Dental hand piece. 2,188,426; Jan. 30.

Blaw-Knox Company. (See Kirkpatrick, George M., assignor.)

Bloch, Richard, Pelham Manor, and J. H. Worrall, assignors to Liberty Lace and Netting Works, New York, N. Y. Lace fabric. 2,188,640; Jan. 30.

Bock, Clarence H., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,188,453; Jan. 30.

Bockmühl, Max, G. Ehrhart, and H. Ruschig, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Sterine derivatives having the character of the sexual hormones and preparing them. 2,188,330; Jan. 30.

Bockmühl, Max, G. Ehrhart, H. Ruschig, and W. Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing derivatives of the cyclopentanopolyhydrophenanthrene. 2,188,870; Jan. 30.

Bockwitz, Andrew J. (See Self, Grafton H., assignor.)

Bode, Harold E., Chicago, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Filler and making same. 2,188,494; Jan. 30.

Boehne, Eugene W., Yeadon, Pa., assignor to General Electric Company. High speed permanent magnet electroresponsive device. 2,188,803; Jan. 30.

Boeker, Walter, Berlin-Grunewald, Germany, assignor to General Electric Company. Control system. 2,188,804; Jan. 30.

Boenecke, Alfred, Berlin, Germany. Fastener. 2,188,620; Jan. 30.

Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Filter for filtering liquids. 2,188,673; Jan. 30.

Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car floor rack. 2,188,851; Jan. 30.

Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Floor rack for refrigerator cars. 2,188,852; Jan. 30.

Borgeson, Olaf H., Wellesley Hills, Mass. Snow plow. 2,188,805; Jan. 30.

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Production of terpene derivatives. 2,188,495; Jan. 30.

Bosanquet, Claude H. (See Clark, W. J., Bosanquet, Bell, and Matthews.)

Bosco, George B., Chicago, Ill. Liner clamp for panel form walls. 2,188,400; Jan. 30.

Bouvier, Adelard A., J. Kostolecki, and W. E. Sherman, assignors to Jarvis & Jarvis, Inc., Palmer, Mass. Caster. 2,188,648; Jan. 30.

Bower, George D., Columbia Heights, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,188,565; Jan. 30.

Braddock, Leo I., Fort Lauderdale, Fla. Ornamental sheet metal shingle for roofs and walls. 2,188,454; Jan. 30.

Bradfield, Charles H., Springfield, Mo. Saw machine base. 2,188,827; Jan. 30.

Brandt, Fred H. G., assignor to Sheffield Steel Corporation, Kansas City, Mo. Wire drawing die and die holder. 2,188,470; Jan. 30.

Bridler, Walter L., Grosse Pointe, Mich. Wrist watch bracelet clasp. 2,188,471; Jan. 30.

Bristol Company, The. (See Noble, Alphonso, assignor.)

Broekhuysen, William C., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Registering device for strip material. 2,188,871; Jan. 30.

Brown, Carleton F., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine key. 2,188,385; Jan. 30.

Brown, George R. (See Sambleson, R. F., and Brown.)

Brown Instrument Company, The. (See Keeler, Earl A., assignor.)

Brown, Joseph H., Brooklyn, N. Y., assignor to Celluloid Corporation. Sheet material having crystalline effects. 2,188,386; Jan. 30.

Brown, Joseph H., Brooklyn, N. Y., assignor to Celluloid Corporation. Sheet material having crystalline effects. 2,188,387; Jan. 30.

Brullhardt, Ernest C., Stratford, N. J. Support for beaters or mixers. 2,188,701; Jan. 30.

Brunov, Karl J., Copenhagen, Denmark. Station indicating device. 2,188,621; Jan. 30.

Buckley, Sydney, Philadelphia, Pa., assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y. Brake mechanism. 2,188,766; Jan. 30.

Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Piston rod testing apparatus. 2,188,853; Jan. 30.

Bucyrus-Erie Company. (See Anderson, G. Y., Jr., Davidson, and Lonngren, assignors.)

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)

Buffington, Roy L., Marietta, Ohio. Carbon solvent and lubricant. 2,188,645; Jan. 30.

Bunch, Ray, Los Angeles, Calif. Pump assembly. 2,188,646; Jan. 30.

Burden, Henry J., Oakville, assignor to Nelles Investments, Limited, Toronto, Ontario, Canada. Automatically humidified and ventilated refrigerator. 2,188,526; Jan. 30.

Burghauser, Franz, Nuremberg, Germany. Pump or motor. 2,188,702; Jan. 30.

Burke, Ethelyn M., Fond du Lac, Wis. Latch and lock mechanism for lockers, etc. 2,188,703; Jan. 30.

Burmeister, Hermann, Berlin-Spandau, Germany, assignor to General Electric Company. Electric circuit interrupter. 2,188,806; Jan. 30.

Burrows, Robert J., and A. O. Williams, assignors to Clark Equipment Company, Battle Creek, Mich. Air conditioning means for rail cars. 2,188,496; Jan. 30.

Busse, Ernst, Hamburg, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cathode ray apparatus. 2,188,647; Jan. 30.

Butenandt, Adolf, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J. Production of the male sexual hormone. 2,188,881; Jan. 30.

Butterfield, Vernon J., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Automobile heater and defroster. 2,188,388; Jan. 30.

C-S Engineering Company. (See Schellens, Christopher A., and E. L., assignors.)

Callaghan, George H. (See Dewan, Leon, assignor.)

Calva, Jose B., St. Paul, Minn., assignor, by mesne assignments, to Waldorf Paper Products Company. Container and making the same. 2,188,497; Jan. 30.

Campbell, Thomas A., Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y. Hydrometallurgical process. 2,188,472; Jan. 30.

Canadian Industries Limited. (See Richardson, Creighton E., assignor.)

Cannon, George E., and J. L. Foster, Houston, Tex., assignors to Standard Oil Development Company. Cement and cementing operation. 2,188,767; Jan. 30.

Cantor, Irvin A., New York, N. Y. Photographic enlarging apparatus. 2,188,622; Jan. 30.

Carborundum Company, The. (See Thompson, Almer J., assignor.)

Cardwell, Harland W., Wichita, Kans. Well spudding apparatus. 2,188,455; Jan. 30.

Carilli, Pasquale, Milton, Mass. Ceiling structure. 2,188,527; Jan. 30.

Carl-Art, Inc. (See Loercher, Gustav A., assignor.)

Carlson, Anthony E., Los Angeles, Calif., assignor by decree of court to E. L. Carlson. Multiple vision clock. 2,188,872; Jan. 30.

Carlson, Edna L. (See Carlson, Anthony E., assignor.)

Carlson, Thomas J., San Francisco, Calif. Audiphone earpiece. 2,188,591; Jan. 30.

Carlström, Bengt, assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine. 2,188,748; Jan. 30.

Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flexible coated article. 2,188,332; Jan. 30.

Carswell, Thomas S., Glendale, assignor to Monsanto Chemical Company, St. Louis, Mo. Selective herbicide. 2,188,734; Jan. 30.

Carter Carburetor Corporation. (See Ericson, George R., assignor.)

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,188,649; Jan. 30.

Case, J. I., Company. (See Markel, John M., assignor.)

Case, Noel L. (See McKeige, E. E., and Case.)

Caster, L. E. (See Fonken, Martin E., assignor.)

Castricone, John A., assignor to Altorfer Brothers Company, Peoria, Ill. Resilient motor mounting. 2,188,807; Jan. 30.

Celanese Corporation. (See Martin, H. E., and Ensor, assignors.)

Celluloid Corporation. (See Brown, Joseph H., assignor.)

Champion, William J. (See Bjorksten, J., and Champion.)

Chapin, R. E. Manufacturing Works, Inc. (See Goetz, Otto, assignor.)

Cheney Bigelow Wire Works. (See Peterson, Guy M., assignor.)

Chesley, Charles W. (See Spencer, Henry B., assignor.)

Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Oil seal. 2,188,854; Jan. 30.

Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Oil seal. 2,188,855; Jan. 30.

Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Oil or dust flinger for bearings. 2,188,856; Jan. 30.

Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Oil seal. 2,188,857; Jan. 30.

Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Oil seal. 2,188,858; Jan. 30.

Chile Exploration Company. (See Campbell, Thomas A., assignor.)

Churchill, Gilbert A., Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,188,808; Jan. 30.

Cinch Manufacturing Company. (See Del Camp, Scipione M., assignor.)

Clark, George M., Lynn, Mass. Method of and machine for conditioning stereotype matrices. 2,188,528; Jan. 30.

Clark Equipment Company. (See Burrows, R. J., and Williams, assignors.)

Clark Equipment Company. (See Lapsley, Robert, assignor.)

Clark Equipment Company. (See Schirmer, Walter E., assignor.)

Clark, Gilbert R., Brooklyn, N. Y., assignor to Radio Corporation of America. Magnetic recording. 2,188,650; Jan. 30.

Clark, Harry R., Brooklyn, N. Y. Attachment for electrical frequency shifters. 2,188,829; Jan. 30.

Clark, William J., C. H. Bosanquet, R. A. Bell, and R. Matthews, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Potentiometer. 2,188,830; Jan. 30.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Latch, safety catch, and lifting mechanism for lid type automobile hoods. 2,188,333; Jan. 30.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Latch, safety catch, and lifting mechanism for lid type automobile hoods. 2,188,334; Jan. 30.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Latch and safety catch mechanism for lid type automobile hoods. 2,188,335; Jan. 30.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Dash-operated latch and safety catch mechanism for lid type automobile hoods. 2,188,336; Jan. 30.

Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine throttle governor. 2,188,704; Jan. 30.

Clicquennoi, Grover A., Rochester, N. Y. Merchandise display structure. 2,188,674; Jan. 30.

Cline, Earle E. (See Larry, T. A., and Cline.)

Clocker, Edwin T., Fountain Hill, Pa. Condensation product and method. 2,188,882; Jan. 30.

Clocker, Edwin T., Fountain Hill, Pa. Condensation product and method. 2,188,883; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Coating, composition, and method. 2,188,884; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Condensation product and method. 2,188,885; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Condensation product and method. 2,188,886; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Oily dispersion material. 2,188,887; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Condensation product. and method. 2,188,888; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Condensation product and method. 2,188,889; Jan. 30.

Clocker, Edwin T., Bethlehem, Pa. Olefinic condensation product combined with a phenol and method. 2,188,890; Jan. 30.

Coggeshall, George W., Yarmouth, Maine, assignor to S. D. Warren Company, Boston, Mass. Paper carrier sheet for tacky rubber, and making same. 2,188,331; Jan. 30.

Colborne Manufacturing Company. (See Smith, Dennis W., assignor.)

Colonial Radio Corporation. (See Vorle, Innokent N., assignor.)

Colorplate Corporation. (See Goettsche, Roy C., assignor.)

Compo Shoe Machinery Corporation. (See Maiellano, Frank, assignor.)

Comstock, Gregory J., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Making articles from powdered components. 2,188,873; Jan. 30.

Comstock & Wescott, Inc. (See Weaver, Eastman A., assignor.)

Connor, Kirke W., assignor to Micromatic Hone Corporation, Detroit, Mich. Positive stop abrading tool. 2,188,567; Jan. 30.

Cook, Frederick L., Brighton, Victoria, Australia. Machine for forming end loops on helical springs. 2,188,705; Jan. 30.

Cook, William A. (See Markley, R., Jr., and Cook.)

Cope, Arthur C., Bryn Mawr, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Secondary 1-alkenyl malonic esters and producing same. 2,188,874; Jan. 30.

Corduroy Rubber Company. (See Murphy, Roy C., assignor.)

Corina, Angelo, Troy, N. Y. Artificial tree. 2,188,529; Jan. 30.

Cork, Edward C., London, and J. L. Pawsey, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electrical high frequency signaling system. 2,188,389; Jan. 30.

Corn Products Refining Company. (See Bode, Harold E., assignor.)

Corn Products Refining Company. (See Otterbacher, Theodore J., assignor.)

Corn Products Refining Company. (See Veatch, Collins, assignor.)

Corning Glass Works. (See Littleon, J. T., Lillie, and Shaver, assignors.)

Cornell Iron Works, Inc. (See Kavanagh, W. L., and Cornell, assignors.)

Cornell, Milton L. (See Kavanagh, W. L., and Cornell.)

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring plankless truck. 2,188,641; Jan. 30.

Cowderoy-Dale, Frederick C., Dallas, Tex. Air conditioning system for buildings. 2,188,566; Jan. 30.

Cox, Harold W., Mitcham, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Inductance coil. 2,188,651; Jan. 30.

Coxon, George E. (See Farr, W. H., and Coxon, assignors.)

Cramer, Raymond H., Newark, and P. H. Hutchinson, Montclair, N. J., assignors to General Motors Corporation, Detroit, Mich. Grinding machine. 2,188,675; Jan. 30.

Crandall, John P., Buffalo, N. Y. Apparatus for dispensing measured charges of fluent material. 2,188,676; Jan. 30.

Crane Co. (See Zinkil, R. H., Frederickson, and Kovarik, assignors.)

Crawford, Furman W., Caradan, Tex. Dual crank and connecting rod assembly. 2,188,831; Jan. 30.

Cress, Nicholas, Ambridge, Pa. Animal trap. 2,188,652; Jan. 30.

Critchfield, Robert M., and J. White, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Cover support. 2,188,706; Jan. 30.

Crocker, Ernest C., Belmont, Mass., assignor, by mesne assignments, to The Lane Company, Inc. Hardware for cedar chests and the like. 2,188,707; Jan. 30.

Crosley Corporation, The. (See Daugherty, R. M., and Myers, assignors.)

Crowley, Thomas R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for tempering glass. 2,188,401; Jan. 30.

Culligan-Weinhagen Company. (See Lathrop, Verne, assignor.)

Cummings, Bernard E., Orlando, Fla. Lathe. 2,188,832; Jan. 30.

Cunningham, John G., Spokane, Wash., deceased; R. H. Damon and The Old National Bank & Union Trust Co., executors. Invalid bed. 2,188,592; Jan. 30.

Curtis, Leslie F., Great Neck, and J. F. Farrington, Flushing, N. Y., assignors to Hazeltine Corporation. Remote control wave signal receiver. 2,188,498; Jan. 30.

Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Staggered frequency signal distribution. 2,188,499; Jan. 30.

Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Catalytic carrier system. 2,188,500; Jan. 30.

Daehler, John W., Los Angeles, Calif. Lamp. 2,188,623; Jan. 30.

Daiger, George P., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,188,390; Jan. 30.

Damon, R. Hosken, et al. executors. (See Cunningham, John G.)

Dantry, Americo, Cecil, Pa. Reamer attachment. 2,188,624; Jan. 30.

Dashwood, Vivian de C. (See Lewis, W. A., and Dashwood, assignors.)

Daugherty, Roger M., Cincinnati, Ohio, and W. H. Myers, Detroit, Mich., assignors to The Crosley Corporation, Cincinnati, Ohio. Automotive antenna equipment. 2,188,427; Jan. 30.

Davidson, Trevor. (See Anderson, G. Y., Jr., Davidson, and Lonngren.)

Davies, Edward S., et al. (See Bittick, James E., assignor.)

Davis, Milton K., Dallas, Tex., assignor to L. Acton and M. K. Davis, doing business as Point-O-Purchase Advertising Company. Food cabinet. 2,188,708; Jan. 30.

Dearman, Ebbie M. (See Owen, W. M., and Dearman.)

Defender Photo Supply Company. (See Odell, I. N., and Bailey, assignors.)

Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Contact member for sockets of plug and socket devices. 2,188,530; Jan. 30.

Demory, Harry, Cedar Rapids, Iowa. Harvesting device. 2,188,768; Jan. 30.

Dennis, Martin, Company, The. (See Bersworth, Frederick C., assignor.)

Dennison, Earnest A., Longparish, Andover, England. Link chain. 2,188,833; Jan. 30.
Despatch Shops, Inc. (See Steuber, George A., assignor.)
Desruisseaux, Armand, Montreal, Quebec, Canada. Shower bath appliance. 2,188,593; Jan. 30.
Detroit Hydrostatic Brake Corporation. (See Hunt, George H., assignor.)
Dewan, Leon, assignor of fifty per cent to G. H. Callaghan, New York, N. Y. Sound disk record and method and apparatus for making same. 2,188,337; Jan. 30.
Diamond Alkali Company. (See McClure, R. R., and Seguin, assignors.)
Dickerman, Hubert E., Springfield, Mass. Feeding mechanism. 2,188,473; Jan. 30.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickinson, Donald B., Silver Creek, N. Y. Portable condition finder for invisible parts of automobiles. 2,188,677; Jan. 30.
Diehl, Walter S., U. S. Navy. Folding platform for servicing airplane engines. 2,188,338; Jan. 30.
Dietrich, Gustav H., Meinersdorf in Erzgebirge, A. Verbeek, Wustenbrand in Saxony, and E. Eissner, Chemnitz, Germany, assignors to Kallo, Inc., New York, N. Y. Topping. 2,188,678; Jan. 30.
Dietrich, Melvin A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of mixtures of hydrocarbons. 2,188,531; Jan. 30.
Ditto, Incorporated. (See Bjorksten, J., and Champion, assignors.)
Ditto, Incorporated. (See Jagger, Hubert, assignor.)
Ditto, Incorporated. (See Kropp, Willis A., assignor.)
Dodson, Harry L. (See Ruths, R. J., and Dodson.)
Dominguez, Joseph, New York, N. Y. Door lock attachment. 2,188,532; Jan. 30.
Doran, John E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Rail leveling mechanism for planers and the like. 2,188,568; Jan. 30.
Dorn, Edward. (See Smith, Thomas E., assignor.)
Douglas, John W., et al. (See Thigpen, Emmitt B., assignor.)
Dovaston, George, and G. E. G. Graham, assignors to Baird Television Limited, London, England. Television and like system. 2,188,679; Jan. 30.
Dow Chemical Company, The. (See Dreisbach, R. R., and Pierce, assignors.)
Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,188,800; Jan. 30.
Downs, Arthur R., Brighton, assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, England. Automatic changing mechanism for disk records. 2,188,769; Jan. 30.
Dravo Corporation. (See Kersting, B. H., and Enard, assignors.)
Dreisbach, Robert R., and J. E. Pierce, assignors to The Dow Chemical Company, Midland, Mich. Distilling mixtures containing vinyl aromatic hydrocarbons. 2,188,772; Jan. 30.
Dresser Manufacturing Company. (See Pfefferle, George H., assignor.)
Drewsen, Pierre, Sandusky, Ohio, assignor to The Barrett Company, New York, N. Y. Making felt. 2,188,533; Jan. 30.
Dufour, René A., Paris, and H. A. Leduc, Mantes-Gassicourt, France. Device for the heating of flowing liquids such as rubber latex. 2,188,625; Jan. 30.
Dunham, George W., Westport, Conn., assignor to General Electric Company. Wringer post ironer. 2,188,810; Jan. 30.
Dunham, James V., Southampton, Pa. Chronograph screen; 2,188,339; Jan. 30.
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dietrich, Melvin A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graham, Donald P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graham, D. P., and Frey, assignors.)
Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lulek, Ralph N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Durney, Florence, Brooklyn, N. Y. Loop fastener. 2,188,534; Jan. 30.
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reacting methyl vinyl ketone with hydrogen cyanide and products thereby obtained. 2,188,340; Jan. 30.
Eastman Kodak Company. (See Fordyce, Charles R., assignor.
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Ebco Manufacturing Company, The. (See Love, Lee C., assignor.)
Eden, James A., Springfield, assignor to White & Wyckoff Mfg. Co., Holyoke, Mass. Bookbinding. 2,188,773; Jan. 30.
Edgewater Steel Company. (See Endsley, Louis E., assignor.)
Educational Laboratories, Inc. (See Taylor, Carl C., assignor.)
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,188,859; Jan. 30.
Ehlers, George M. (See Stoekle, E. R., and Ehlers.)
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Ruschig.)
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)
Eissner, Erich. (See Deitrich, G. H., Verbeek, and Eissner.)
Elbel, Ernst, and F. Seebach, Erkner, near Berlin, Germany, assignors, by mesne assignments, to Behr-Manning Corporation, Troy, N. Y. Manufacture of abrasive articles. 2,188,341; Jan. 30.
Electric & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)
Electric & Musical Industries Limited. (See Cox, Harold W., assignor.)
Electric & Musical Industries Limited. (See Faudell, C. L., and White, assignors.)
Elledge, Rex J., Trenton, assignor of one-half to W. A. Martin, Trenton, Mo. Burial vault. 2,188,626; Jan. 30.
Ellis, Carleton, Montclair, N. J., assignor to Ellis Laboratories, Inc. Plant box. 2,188,875; Jan. 30.
Ellis Laboratories, Inc. (See Ellis, Carleton, assignor.)
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Emmons, Eric L., Detroit, Mich. Method of and apparatus for making patterns. 2,188,502; Jan. 30.
Enard, Hans. (See Kersting, B. H., and Enard.)
Endsley, Louis E., Pittsburgh, assignor to Edgewater Steel Company, Oakmont, Pa. Treating metal wheels. 2,188,569; Jan. 30.
Engineering and Research Corporation, The. (See Haugh, Henry A., Jr., assignor.)
Engineering Incorporated. (See House, Harvey W., assignor.)
England, William E., assignor to The Ohio Rubber Company, Willoughby, Ohio. Manufacture of vehicle floor mats. 2,188,342; Jan. 30.
Ensor, Dorsey A. (See Martin, H. E., and Ensor.)
Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Pump device. 2,188,503; Jan. 30.
Eudaily, Luther M., Tatum, N. Mex. Powder dispenser. 2,188,627; Jan. 30.
Evans, Maud E., Detroit, Mich. Auxiliary bag for vacuum cleaners. 2,188,428; Jan. 30.
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Fahlman, Everett G., Rocky River, assignor to The Permold Company, Cleveland, Ohio. Cooling internal combustion engine and cylinder head for same. 2,188,876; Jan. 30.
Falk, Clarence E., et al. (See Rich, David, assignor.)
Farkas, Emil N. (See Farkas, Frank F., assignor.)
Farkas, Frank F., assignor of one-half to E. N. Farkas, Chicago, Ill. Spiral binder. 2,188,680; Jan. 30.
Farr, Willard H., Chicago, and G. E. Coxon, Cicero, assignors to Stewart-Warner Corporation, Chicago, Ill. Armature for electric speedometers. 2,188,570; Jan. 30.
Farrington, John F. (See Curtis, L. F., and Farrington.)
Faudell, Charles L., Acton, London, and E. L. C. White, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electronic oscillation generator. 2,188,653; Jan. 30.
Favary, Ethelbert, Burbank, Calif. Suspension for car wheels. 2,188,654; Jan. 30.
Fels, Louis, Brooklyn, N. Y. Bottle filler. 2,188,402; Jan. 30.
Feist, Erich, Berlin-Charlottenberg, and R. Nebelung, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Measured service telephone system. 2,188,535; Jan. 30.
Fellmer, Ernst, Leverkusen-I. G.-Werk, G. Mauthe, Cologne-Holweide, and H. Noerr, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Leather dyed with monoazo dyestuffs. 2,188,774; Jan. 30.
Fenton, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Doll. 2,188,429; Jan. 30.
Firestone Tire & Rubber Company, The. (See Welch, William H., assignor.)
Fischel, Eduard, Berlin-Charlottenburg, and J. Thiry, Berlin-Sudende, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Control apparatus for vehicles. 2,188,834; Jan. 30.
Florian, Otto, Stuttgart, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Variable orbital drive gear for dough rounders or the like. 2,188,501; Jan. 30.
Flournoy, Algernon F., Monroe, La. One-hand paddle. 2,188,343; Jan. 30.
Folsom, Robert H., Los Angeles, Calif. Air conditioning plant. 2,188,811; Jan. 30.
Fonken, Martin E., Beloit, Wis., assignor of one-half to L. E. Caster, Rockford, Ill. Apparatus for twisting dough. 2,188,536; Jan. 30.

Fordyce, Charles R., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resins and the preparation thereof. 2,188,344; Jan. 30.
Forgrove Machinery Company Limited, The. (See Gregory, H. E., and Turner, assignors, and Henkel and Thürlings.)
Foster, James L. (See Cannon, G. E., and Foster.)
Foxboro Company, The. (See Rost, Bhertel C., assignor.)
Franklin, James A., et al. (See Bittick, James E., assignor.)
Fraser, George H., Brooklyn, N. Y. Air or other current separator. 2,188,345; Jan. 30.
Fraser, George H., Brooklyn, N. Y. Pulverizing and separating machine. 2,188,346; Jan. 30.
Fraser, George H., Brooklyn, N. Y. Air or current separator. 2,188,430; Jan. 30.
Fraser, George H., Brooklyn, N. Y. Air and other separator. 2,188,431; Jan. 30.
Fraser, George H., Brooklyn, N. Y. Air and other separator. 2,188,432; Jan. 30.
Fraser, George H., Brooklyn, N. Y. Air and other separator. 2,188,474; Jan. 30.
Fredrickson, Edward A. (See Andersen, L., Fredrickson, and Zinkil.)
Fredrickson, Edward A. (See Zinkil, R. H., Fredrickson, and Kovarik.)
Freeman, John R., Jr., Middlebury, and A. W. Tracy, assignors to The American Brass Company, Waterbury, Conn. Corrosion resistant copper-zinc alloy. 2,188,681; Jan. 30.
Freeman, Robert L., Great Neck, N. Y., assignor to Hazeltine Corporation. High-frequency signal-translating stage. 2,188,504; Jan. 30.
Frey, Cullen G. (See Graham, D. P., and Frey.)
Freystedt, Erich, Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Measuring instrument. 2,188,628; Jan. 30.
Friedman, Daniel, Chicago, Ill. Adjustable chimney cowl. 2,188,709; Jan. 30.
Friese, Kurt P., Norwalk, Conn. Work holding device. 2,188,433; Jan. 30.
Frisby, Frank D., St. Louis, Mo. Variable speed transmission mechanism for automobiles and the like. 2,188,403; Jan. 30.
Fulk, James B., Norwalk, Ohio. Maintaining manifold forms in registration. 2,188,347; Jan. 30.
Galber, Harry, assignor to I. F. Laucks, Inc., Seattle, Wash. Apparatus for grooving rubber applicator rolls. 2,188,456; Jan. 30.
Gallon Metallic Vault Company, The. (See Biszantz, Fred, assignor.)
Gamble, John D. (See Lent, L. B., and Gamble.)
Garrard Engineering and Manufacturing Company Limited. (See Downs, Arthur R., assignor.)
Garrigus & Co. Inc. (See Garrigus, Horace T., assignor.)
Garrigus, Horace T., Millburn Township, Essex County, assignor to Garrigus & Co. Inc., Newark, N. J. Cuff link. 2,188,505; Jan. 30.
Gasoline Products Company. (See Rubin, Louis C., assignor.)
Gaynon, Claude E., Jacksonville, Fla. Stop signal. 2,188,835; Jan. 30.
Gelius, Siegfried. (See Goldhammer, L., and Gelius.)
General Aniline Works, Inc. (See Fellmer, E., Mauthe, and Noerr, assignors.)
General Electric Company. (See Boehne, Eugene W., assignor.)
General Electric Company. (See Boeker, Walter, assignor.)
General Electric Company. (See Burmeister, Hermann, assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Grothouse, Frank T., assignor.)
General Electric Company. (See Hall, William D., assignor.)
General Electric Company. (See Hays, David, assignor.)
General Electric Company. (See Kimball, Donald G., assignor.)
General Electric Company. (See Lindemann, Charles A., assignor.)
General Electric Company. (See Müller, Gustav, assignor.)
General Electric Company. (See Piercy, Carl A., assignor.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Sambleson, R. F., and Brown, assignors.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Fireproofing Company, The. (See Herold, Walter F., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Cramer, R. H., and Hutchinson, assignors.)
General Motors Corporation. (See Critchfield, R. M., and White, assignors.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See McWhorter, J. F., and Geyer, assignors.)
Getaz, James L., Maryville, Tenn. Knitting. 2,188,295; Jan. 30.
Geyer, Harvey D. (See McWhorter, J. F., and Geyer.)
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bearing having a nonmetallic fabric lining. 2,188,722; Jan. 30.
Giansetto, Eugenio, Buenos Aires, Argentina. Valve mechanism for water closets. 2,188,457; Jan. 30.
Giesey, Dorothy E., executrix. (See Giesey, R. H., and Behnke.)
Giesey, Russell H., and G. E. Behnke, Oklahoma City, Okla.; said Giesey assignor of one-half of his right to C. E. Reed, Wichita, Kans., D. E. Giesey, executrix of said R. H. Giesey, deceased. Burnishing machine. 2,188,629; Jan. 30.
Giger, Walter A., Zurich, assignor to Maschinenfabrik Oerlikon, Oerlikon, Switzerland. Locomotive. 2,188,740; Jan. 30.
Gilpin, Garth G., Riverside, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerator car floor rack. 2,188,860; Jan. 30.
Giovanini, John A., and P. J. Wallace, Port Richmond, Staten Island, N. Y. Pipe line identification device. 2,188,710; Jan. 30.
Girdlestone, Frances G. (See Keats, Harold B., assignor.)
Glen, Robert R., Biarritz, Basses-Pyrenees, France, assignor to Glen's Patents and Holdings Inc., New York, N. Y. Loudspeaker and the like. 2,188,655; Jan. 30.
Glen's Patents and Holdings Inc. (See Glen, Robert R., assignor.)
Globe-Union Inc. (See Stoekle, E. R., and Ehlers, assignors.)
Goettsche, Roy C., assignor to Colorplate Corporation, Chicago, Ill. Moistening device. 2,188,296; Jan. 30.
Goetz, Otto, assignor to R. E. Chapin Manufacturing Works, Inc., Batavia, N. Y. Dispensing device. 2,188,682; Jan. 30.
Goldhammer, Leo, and S. Gelius, Munich, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Roll film camera with exposure meter. 2,188,711; Jan. 30.
Goldvogel, Louis, and G. St. John, assignors to D. A. Schulte, Inc., New York, N. Y. Tobacco pipe. 2,188,712; Jan. 30.
Gomez, Florencio, et al. (See Yanes, Francisco G., assignor.)
Goodrich, B. F., Company, The. (See Fenton, Frank, assignor.)
Goodrich, B. F., Company, The. (See Grinter, Hershel W., assignor.)
Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
Goodwin, Eugene W., Bethesda, Md. Radiator, valve, and trap. 2,188,836; Jan. 30.
Gora, Henry Z., assignor to Jenkins Bros., Bridgeport, Conn. Valve core, container, and stem. 2,188,713; Jan. 30.
Graham, Donald P., Wilmington, Del., and C. G. Frey, West Chester Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Di-benzanthrone-anthraquinone-di-acridines. 2,188,537; Jan. 30.
Graham, Donald P., assignor to E. I. du Pont De Nemours & Company, Wilmington, Del. Vat dyestuffs of the benzanthrone-anthraquinone-acridine series. 2,188,538; Jan. 30.
Graham, George E. G. (See Dovaston, G., and Graham.)
Grahman, Frederick P., Port Orange, Fla. Internal combustion engine. 2,188,630; Jan. 30.
Gray, G. A., Company, The. (See Doran, John E., assignor.)
Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,188,297; Jan. 30.
Gregory, Hubert E., and R. Turner, Leeds, England, and A. A. Henkel and H. Thürlings, Viersen, Rhineland, Germany; said Gregory and said Turner assignors to The Forgrove Machinery Company Limited, Leeds, England. Molding and wrapping apparatus. 2,188,837; Jan. 30.
Grendanin, Anthony. (See Huerta, R., and Grendanin.)
Grewe, Edward H., et al. (See Rich, David, assignor.)
Grinter, Hershel W., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhering rubber to metal. 2,188,434; Jan. 30.
Griswold, Thomas, Jr., et al. (See Reimers, Hans A., assignor.)
Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,188,594; Jan. 30.
Grothouse, Frank T., Fort Wayne, Ind., assignor to General Electric Company. Shaft seal. 2,188,784; Jan. 30.
Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Pressure cooker. 2,188,735; Jan. 30.

Guardite Corporation, The. (See Merriam, Charles J., assignor.)
Guiberson, Corporation, The. (See Guiberson, Samuel A., III, assignor.)
Guiberson Corporation, The. (See Thaheld, Feri A., assignor.)
Guiberson, Samuel A., III, assignor to The Guiberson Corporation, Dallas, Tex. Flowing wells. 2,188,656; Jan. 30.
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lubricating means for sewing machines. 2,188,683; Jan. 30.
Hacker, Owen E., assignor to The Stanley Manufacturing Company, Dayton, Ohio. Method and device for wrapping, packages. 2,188,750; Jan. 30.
Hagopian, Nicholas V., Cleveland, Ohio. Machine for cleaning furs. 2,188,684; Jan. 30.
Hall, Elwin B., et al. (See Armentrout, Arthur L., assignor.)
Hall, George E., Kalamazoo, Mich. Music stand. 2,188,602; Jan. 30.
Hall, Joseph M., Chicago, Ill. Desiccating fluid mixtures. 2,188,506; Jan. 30.
Hall, William D., Nahant, Mass., assignor to General Electric Company. Power-factor meter. 2,188,785; Jan. 30.
Haltenberger, Jules, Ann Arbor, Mich. Automobile hood. 2,188,891; Jan. 30.
Hamalainen, Lillian, Virginia, Minn. Overshoe. 2,188,603; Jan. 30.
Hammond, Burnham C., Hartford, Mich. Traffic signal. 2,188,604; Jan. 30.
Handy & Harman. (See Comstock, Gregory J., assignor.)
Hanlon, George W., Darby, Pa. Film fire quenching and minimizing apparatus. 2,188,657; Jan. 30.
Hargrave, Fred M., Cedar Rapids, Iowa. Disking device. 2,188,435; Jan. 30.
Harris, Charles A., Shaker Heights, Ohio. Fluid dispensing device. 2,188,507; Jan. 30.
Haugh, Henry A., Jr., assignor to The Engineering and Research Corporation, New Haven, Conn. Traffic control system. 2,188,348; Jan. 30.
Hawley, Don M. (See Bauer, Hans F. and J. V., and Hawley.)
Haynes, George P., East Rockaway, N. Y. Blow-off valve. 2,188,391; Jan. 30.
Hays, David, Fairfield, Conn., assignor to General Electric Company. Control for wringers. 2,188,812; Jan. 30.
Hayward Company, The. (See Atkinson, Herbert S., assignor.)
Hazeltine Corporation. (See Curtis, L. F., and Farrington, assignors.)
Hazeltine Corporation. (See Freeman, Robert L., assignor.)
Hazeltine Corporation. (See Hershey, Lloyd M., assignor.)
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Mounting for power tool. 2,188,595; Jan. 30.
Heideman, Frederick J., Detroit, Mich. Hold-over refrigeration unit. 2,188,349; Jan. 30.
Heinrich, Johann, assignor to Rheinmetall-Borsig Aktiengesellschaft Werk Borsig Berlin-Tegel, Berlin-Tegel, Germany. Evaporator for refrigeration systems. 2,188,475; Jan. 30.
Heinzelman, Milton A., Webster Groves, Mo. Folding check book cover. 2,188,571; Jan. 30.
Hengel, Karl G., Berlin, Germany. Luminous sign. 2,188,404; Jan. 30.
Henkel, Albert A. (See Gregory, H. E., Turner, Henkel, and Thürlings.)
Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Molybdenum alloys. 2,188,405; Jan. 30.
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Lynn, John E., assignor.)
Herdman, William J., South Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Multiple distribution system. 2,188,508; Jan. 30.
Herold, Walter F., Bridgeport, Conn., assignor to The General Fireproofing Company, Youngstown, Ohio. Suspension unit for chair backs. 2,188,605; Jan. 30.
Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Driven steering wheel axle structure. 2,188,861; Jan. 30.
Hershey, Lloyd M., Brooklyn, N. Y., assignor to Hazeltine Corporation. Signal-translating system. 2,188,658; Jan. 30.
Hesson, William W., Toronto, Ontario, Canada. Tobacco pipe. 2,188,751; Jan. 30.
Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch brush. 2,188,659; Jan. 30.
Hitchcock, William J., New York, N. Y. Seal for evacuated devices. 2,188,298; Jan. 30.
Hixon, Hiram W., Allentown, Pa. Apparatus for recovering oil from subterranean oil pockets. 2,188,737; Jan. 30.
Hobert, Leroy F., assignor to The Universal Clay Products Co., Sandusky, Ohio. Removable bushing. 2,188,596; Jan. 30.
Hockensmith, Wilbur D., Jr., Irwin, Pa. Mine car wheel. 2,188,786; Jan. 30.
Hoff, Eward J., Company, The. (See Balthasar, Harry G., assignor.)
Hokanson, Helge, Gary, Ind. Antitheft device. 2,188,714; Jan. 30.
Holicer, John R., Mansfield, La. Butane tank. 2,188,597; Jan. 30.
Holmes, Henry H. (See Kent, A. W., and Holmes.)
Holmes, Richard E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,188,350; Jan. 30.
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-substituted sulphamate. 2,188,351; Jan. 30.
Hooper, Glenn R. (See Jenkins, R. B., and Hooper.)
Hoover Company, The. (See Dalger, George P., assignor.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive valve gear bearing. 2,188,862; Jan. 30.
Horton, Frank J., Detroit, Mich., assignor to The Murray Corporation of America. Machine for forming springs. 2,188,406; Jan. 30.
Horton, Frank J., assignor to The Murray Corporation of America, Detroit, Mich. Machine for forming springs. 2,188,407; Jan. 30.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container opener. 2,188,352; Jan. 30.
Houghton, Carl R., assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Fluid handling apparatus. 2,188,752; Jan. 30.
House, Harvey W., Pasadena, assignor to Engineering Incorporated, Los Angeles, Calif. Removal of dirt. 2,188,353; Jan. 30.
Huber, William A., Belleville, Ill., assignor by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo. Universal metal melting furnace. 2,188,539; Jan. 30.
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Self-cleaning hydraulic spray device. 2,188,354; Jan. 30.
Huerta, Raymond, Bronx, and A. Grendanin, New York, N. Y. Apparatus for developing films without a dark room. 2,188,299; Jan. 30.
Hughes, Thomas R., assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter loader. 2,188,572; Jan. 30.
Hugus, Neil C., Jackson, Mich., assignor to Argus Manufacturing Corporation, Cleveland, Ohio. Alternating current rectifying circuit. 2,188,436; Jan. 30.
Hunt, George H., Detroit, Mich., assignor, by mesne assignments, to Detroit Hydrostatic Brake Corporation. Master cylinder. 2,188,355; Jan. 30.
Hutchinson, Philip H. (See Cramer, R. H., and Hutchinson.)
Hydraulic Brake Company. (See Berglund, Charles V., assignor.)
Hydraulic Brake Company. (See Bock, Clarence H., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Kuehn, assignors.)
Imperial Chemical Industries Limited. (See Perrin, M. W., Paton, and Williams, assignors.)
Imperial Chemical Industries Limited. (See Clark, W. J., Bosanquet, Bell, and Matthews, assignors.)
Imperial Chemical Industries Limited. (See Tattersall, Harold J., assignor.)
Industrial Rayon Corporation. (See Knebusch, Walter F., assignor.)
Industrial Rayon Corporation. (See Lovett, Louis E., assignor.)
Ingersoll Milling Machine Company, The. (See Kraus, Charles E., assignor.)
Ingersoll-Rand Company. (See Karr, Alfred D., assignor.)
Ingram, Cleveland B., Baker, Oreg. Wire stringing block. 2,188,715; Jan. 30.
Inland Steel Company. (See Smith, Wallace W., assignor.)
Intensive Cultivations Company. (See Lewis, W. A., and Dashwood, assignors.)
International Cigar Machinery Company. (See Broekhuysen, William C., assignor.)
International Nickel Company, The. (See Bieber, Clarence G., assignor.)
Interstate Bakeries Corporation. (See Quick, Claude E., assignor.)
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Centering device for hearth bread pan sets. 2,188,540; Jan. 30.
Jackson, Joseph G., Oak Park, and J. Kollman; said Jackson assignor to The Edward Katzinger Company, Chicago, Ill. Baking pan set construction. 2,188,550; Jan. 30.
Jacobovics, Julius, Luxemburg, Luxemburg. Apparatus for projecting granular material. 2,188,716; Jan. 30.

Jagger, Hubert, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,188,598; Jan. 30.
Jagger, Hubert, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,188,599; Jan. 30.
Jarvis & Jarvis, Inc. (See Bouvier, A. A., Kostolecki, and Sherman, assignors.)
Jeans, Howard S., U. S. Navy, and K. D. Williams, Washington, D. C. Stress indicating washer. 2,188,356; Jan. 30.
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jenkins Bros. (See Gora, Henry Z., assignor.)
Jenkins, Robert B., and G. R. Hooper, Gastonia, N. C. Carding engine. 2,188,458; Jan. 30.
Jennings, Preston J., Brooklyn, N. Y. Fish lure and determining the proper coloring thereof. 2,188,753; Jan. 30.
Johns-Manville Corporation. (See Pearce, Gale T., assignor.)
Johnson, Arthur A. (See Swan, Willis A., assignor.)
Jolly, Samuel E., Prospect Park, and W. M. McKee, Bortondale, assignors to Sun Oil Company, Philadelphia, Pa. Grease and making the same. 2,188,863; Jan. 30.
Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Grease and making the same. 2,188,864; Jan. 30.
Jones, James A., Fayetteville, Ark. Mop cleaner. 2,188,717; Jan. 30.
Jordan, Hubert F., Nutley, N. J., assignor by mesne assignments, to United States Rubber Company, New York, N. Y. Compounding latex and product thereof. 2,188,736; Jan. 30.
Josephson, Archie, assignor to Victory Switch Company, Hollywood, Calif. Delayed action switch. 2,188,685; Jan. 30.
Joyce, Luke W., River Rouge, Mich. Sign construction. 2,188,437; Jan. 30.
Judson, Albert L., and C. G. Kronmiller, assignors to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,188,438; Jan. 30.
Jung, George H., Cincinnati, Ohio. Protector pad and supporter. 2,188,718; Jan. 30.
Kalio, Inc. (See Dietrich, G. H., Verbeek, and Eissner, assignors.)
Kaltenbach, Carl, and L. Schmitt, New York, N. Y. Frozen custard making machine. 2,188,551; Jan. 30.
Karr, Alfred D., Newark, assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus. 2,188,540; Jan. 30.
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company, The. (See (Jackson, J. G., assignor) and Kollman.)
Katzinger, Edward, Company, The. (See Oltman, Ray C., assignor.)
Kavanagh, William L., New York, and M. L. Cornell, Jackson Heights, assignors to Cornell Iron Works, Inc., Lng Island City, N. Y. Escalator cover. 2,188,509; Jan. 30.
Keats, Harold B., assignor of one-half to F. G. Girdlestone, Vancouver, British Columbia, Canada. Automatic latch with push-button release. 2,188,642; Jan. 30.
Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Indicating defects in threads. 2,188,754; Jan. 30.
Keener, Jacob, Chicago, Ill. Infant's hand guard. 2,188,787; Jan. 30.
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kent, Alfred W., and H. H. Holmes, assignors to Wildt and Company, Limited, Leicester, England. Fabric winding-down or drawing-off mechanism for knitting machines. 2,188,459; Jan. 30.
Kersting, Bernard H., Ben Avon, and H. Enard, Coraopolis, Pa., assignors to Dravo Corporation. Luffing crane. 2,188,686; Jan. 30.
Kettles, Richard C., Jr., Glen Head, N. Y. Towel dispensing apparatus. 2,188,660; Jan. 30.
Keys, Morris, Chicago, Ill. Journal box seal. 2,188,541; Jan. 30.
Keystone Steel & Wire Company. (See Sommer, William H., assignor.)
Kiehne, Alfred J., Derby Line, Vt., assignor to Union Twist Drill Company, Athol, Mass. Die. 2,188,788; Jan. 30.
Kiesling, Le Roy H., Brooklyn, N. Y. Dumb-waiter control system. 2,188,357; Jan. 30.
Kilmer, Angelique, administratrix. (See Kilmer, William A.)
Kilmer, William A., deceased, by A. Kilmer, administratrix, De Kalb, Ill. Wire fabric machine. 2,188,358; Jan. 30.
Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Terminal block. 2,188,789; Jan. 30.
Kimbrell, Laban B., Phoenix, Ariz. Lifting jack. 2,188,838; Jan. 30.
King, Henry G., Lorain, Ohio. Container. 2,188,813; Jan. 30.
King, John H., and R. R. Wotring, Indianapolis, Ind. Fastening device. 2,188,552; Jan. 30.
King, Oral A., near Norfolk, Va. Beehive. 2,188,719; Jan. 30.
Kirkpatrick, George M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Removal of foreign particles from gases. 2,188,439; Jan. 30.
Kluftinger, Hermann, Augsburg, Germany. Passage type drawing frame for spinning fibers of various staple dimensions. 2,188,408; Jan. 30.
Knebusch, Walter F., Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread store device. 2,188,359; Jan. 30.
Knight, Donald B., Brooklyn, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,188,476; Jan. 30.
Knoll, Max, Berlin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, Electronic device. 2,188,661; Jan. 30.
Koehler, Frederick W., Pittsburgh, Pa. Hair waving appliance. 2,188,360; Jan. 30.
Kollman, Jacob. (See Jackson, J. G., and Kollman.)
Koppelmann, Floris, assignor to Siemens-Schuckert-werke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Apparatus for converting currents. 2,188,361; Jan. 30.
Koster, Paul E., assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Gyroscopic apparatus for determining the inclination of an airplane. 2,188,606; Jan. 30.
Kostolecki, John. (See Bouvier, A. A., Kostolecki and Sherman.)
Kovarik, Joseph M., Jr. (See Zinkil, R. H., Fredrickson, and Kovarik.)
Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Trepanning drill. 2,188,631; Jan. 30.
Krause, E. W. (See Sharp, Samuel J., assignor.)
Kriechbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,188,877; Jan. 30.
Krilow, James E., Atlantic City, N. J. Coring utensil. 2,188,362; Jan. 30.
Kronmiller, Carl G. (See Judson, A. L., and Kronmiller.)
Kropp, Willis A., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,188,600; Jan. 30.
Kuehn, Erich. (See Reppe, W., and Kuehn.)
Kuhn, Wayne E., Jackson Heights, assignor, by mesne assignments, to Texaco Development Corporation, New York, N. Y. Treatment of hydrocarbons. 2,188,363; Jan. 30.
Kusikoff, Harold A., New York, N. Y. Changing surface ornamentations on furs. 2,188,601; Jan. 30.
Laderer, Hugo, Stuttgart-Bad Cannstatt, Germany. Filter. 2,188,643; Jan. 30.
La France, David J., Arlington, Mass. Fountain pen. 2,188,662; Jan. 30.
Laher Spring & Tire Corp. (See Marco, Fred W., assignor.)
Laminated Shim Co. (See Young, Earle L., assignor.)
Lane Company, The. (See Crocker, Ernest C., assignor.)
Lane, Edward K., Houston, Tex. Wire line pipe cutter. 2,188,409; Jan. 30.
Lang, Lloyd. (See Swanson, W. H., Lang, and Porter.)
Lannen, Joseph P., Detroit, Mich. Load lifter and balancer. 2,188,364; Jan. 30.
Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Motion transmitting means. 2,188,510; Jan. 30.
Larry, Timothy A., and E. E. Cline, assignor to Mueller Co., Decatur, Ill. Making lateral extensions from pipe lines. 2,188,607; Jan. 30.
Larson, John M., Chicago Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic control apparatus. 2,188,542; Jan. 30.
Lathrop, Verne, assignor to Culligan-Weinhagen Company, Inc., St. Paul, Minn. Paving material spreader. 2,188,553; Jan. 30.
Laucks, I. F., Inc. (See Galber, Harry, assignor.)
Lautenschlager, Carl L., and F. Lindner, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing crystallized derivatives of the vitamin E. 2,188,878; Jan. 30.
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Meyer, assignors.)
Leduc, Henri A. (See Dufour, R. A., and Leduc.)
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle underframe construction. 2,188,879; Jan. 30.
Leighton, George W., Los Angeles, Calif. Grading scale. 2,188,511; Jan. 30.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming vehicle wheels. 2,188,477; Jan. 30.
Lemke, August J., et al. (See Rich, David, assignor.)
Lent, Leon B., White Plains, and J. D. Gamble, Forest Hills, N. Y. Grinding tool. 2,188,365; Jan. 30.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material handling mechanism. 2,188,790; Jan. 30.
Levit, Leopold, Prague, Czechoslovakia. Blowlamp. 2,188,460. Jan. 30.
Levy, Harry R. (See Sauer, Urban, assignor.)
Lewis, William A., Stockton-on-Tees, and V. de C. Dashwood, assignors to Intensive Cultivations Company, London, England. Tray for the germination of seeds. 2,188,880; Jan. 30.

L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe. 2,188,440; Jan. 30.

Libbey-Owens-Ford Glass Company. (See Crowley, Thomas R., assignor.)

Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)

Libbey-Owens-Ford Glass Company. (See Ryan, J. D., and Watkins, assignors.)

Liberty Lace and Netting Works. (See Bloch, R., and Worrall, assignors.)

Lillie, Howard R. (See Littleton, T. J., Lillie, and Shaver.)

Lindemann, Charles A., Bridgeport, Conn., assignor to General Electric Company. Ironing machine. 2,188,791; Jan. 30.

Lindner, Fritz. (See Lautenschlager, C. L., and Lindner.)

Lindstaedt, Frank F., Oakland, Calif. Spray apparatus. 2,188,366; Jan. 30.

Linsell, Alfred A., Sydenham, London, England, assignor to Radio Corporation of America. Electron multiplier. 2,188,410; Jan. 30.

Littleton, Jesse T., H. R. Lillie, and W. W. Shaver, assignors to Corning Glass Works, Corning, N. Y. Kiln. 2,188,608; Jan. 30.

Locke, James S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone temperature control system. 2,188,775; Jan. 30.

Lockwood Manufacturing Company, The. (See Young, George G., assignor.)

Loercher, Gustav A., Greenwood, R. I., assignor to Carl-Art, Inc. Key ring construction. 2,188,367; Jan. 30.

Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)

Lohn, Peter, assignor of thirty-four per cent to F. Savignano, New York, N. Y. Method and apparatus for recording and reproducing sound. 2,188,687; Jan. 30.

Lonngren, Bruno L. (See Anderson, G. Y., Jr., Davidson, and Lonngren.)

Longo, Salvatore, New York, N. Y. Dispensing. 2,188,573; Jan. 30.

Love, Lee C., assignor to The Ebco Manufacturing Company, Columbus, Ohio. Refrigerated liquid dispenser. 2,188,574; Jan. 30.

Lovett, Louis E., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread winding mechanism. 2,188,814; Jan. 30.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Vertical bar anchoring means. 2,188,411; Jan. 30.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front construction. 2,188,412; Jan. 30.

Lufkin Foundry & Machine Company. (See Trout, W. C., and Tollefson, assignors.)

Lulek, Ralph N., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,188,776; Jan. 30.

Lynn, John E., East Boston, Mass., assignor to Hercules Powder Company, Wilmington, Del. Modified coal tar and the production thereof. 2,188,478; Jan. 30.

Mack, George E., Truro, Nova Scotia, Canada. Watch crown seal. 2,188,688; Jan. 30.

Magee, Alonzo H., Westfield, N. J. Air valve. 2,188,441; Jan. 30.

Maiellano, Frank, Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Making shoes. 2,188,512; Jan. 30.

Mallory, P. R., & Co. (See Hensel, F. R., and Emmert, assignors.)

Malsch, Otto C., Pittsburgh, Pa. Dental flask. 2,188,415; Jan. 30.

Marco, Fred W., Berkeley, assignor to Laher Spring & Tire Corp., Oakland, Calif. Vehicle spring. 2,188,680; Jan. 30.

Marianno, Vito, New York, N. Y. Marine craft landing and launching device. 2,188,554; Jan. 30.

Mark, Clayton, & Company. (See Windsor, J. F., and Mark, assignors.)

Mark, Clayton, Jr. (See Windsor, J. F., and Mark.)

Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 2,188,413; Jan. 30.

Markley, Richard, Jr., Smyrna, and W. A. Cook, Wilmington, assignors to Wilson Cabinet Corporation, Smyrna, Del. Milk cooler. 2,188,839; Jan. 30.

Matthews, Rhys. (See Clark, W. J., Bosanquet, Bell, and Telephone Laboratories, Incorporated, New York, N. Y. Producing multiconductor signaling cables. 2,188,755; Jan. 30.

Marmon-Herrington Company. (See Herrington, Arthur W., assignor.)

Martin, Herbert E., and D. A. Ensor, Cumberland, Md., assignors to Celanese Corporation of America. Purification of organic substitution derivatives of cellulose. 2,188,392; Jan. 30.

Martin, William A. (See Elledge, Rex J., assignor.)

Marx, Louis, & Company. (See McKeige, E. E., and Case, assignors.)

Maschinenfabrik Oerlikon. (See Giger, Walter A., assignor.)

Mason, Wylie A., et al. (See Thigpen, Emmitt B., assignor.)

Matthews, Rhys. (See Clark, W. J., Bosanquet, Bell, and Matthews.)

Mauthe, Gustav. (See Fellmer, E., Mauthe, and Noerr.)

Maynard, Meade J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Furnace control system. 2,188,865; Jan. 30.

McCabe, Ira E., Chicago, Ill. Safety device for electrically controlled apparatus. 2,188,555; Jan. 30.

McCarthy, John J., Malden, Mass. Internal combustion engine. 2,188,368; Jan. 30.

McCaskey, Perry A., assignor to The Minerva Wax Paper Company, Minerva, Ohio. Dispenser. 2,188,479; Jan. 30.

McClew, John W., and C. R. Woodland, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Mechanical impulse repeater. 2,188,461; Jan. 30.

McClure, Raymond R., and J. P. Seguin, Painesville, Ohio, assignors to Diamond Alkali Company, Pittsburgh, Pa. Making fine particle alkaline earth metal carbonates. 2,188,663; Jan. 30.

McCue, John B., Morgantown, W. Va. Horizontal rotary filter. 2,188,840; Jan. 30.

McDonald, Donald B., Quitman, Ga. Shoelace. 2,188,841; Jan. 30.

McKee, Wesley McI. (See Jolly, S. E., and McKee.)

McKeever, Garnett R., et al. (See Rich, David, assignor.)

McKeige, Edward E., and N. L. Case, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Block signal and train control system for toy railroads. 2,188,756; Jan. 30.

McKesson & Robbins, Inc., et al. (See Siemers, Gustav F., assignor.)

McLennan, John A., Sausalito, Calif. Window blind. 2,188,575; Jan. 30.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compound and coloring therewith. 2,188,369; Jan. 30.

McNeill, Alexander W., Lynn, Mass. Hinged last. 2,188,414; Jan. 30.

McNulty, John W., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus. 2,188,370; Jan. 30.

McQuade, Robert J., Chicago, Ill. Abrading machine. 2,188,720; Jan. 30.

McWhorter, John F., and H. D. Geyer, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Laminating. 2,188,721; Jan. 30.

Meikle, Daniel G., Ann Arbor, Mich. Feeding mechanism. 2,188,462; Jan. 30.

Mejean, Jacques G., Chatou, assignor to Societe Bronzavia, Courbevoie (Seine), France. Fluid distributing device. 2,188,609; Jan. 30.

Mercier, Jean, Neuilly-sur-Seine, France. Pump output regulator. 2,188,463; Jan. 30.

Merck & Co. Inc. (See Tauber, Henry, assignor.)

Merriam, Charles J., Winnetka, Ill., assignor to The Guardite Corporation. Impregnating products with liquid agents. 2,188,371; Jan. 30.

Messinger, Peter, Philadelphia, Pa. Spectacle mounting. 2,188,513; Jan. 30.

Meyer, Alvin L., Fairfield, Mont. Ditcher. 2,188,892; Jan. 30.

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Meyercord Company. (See Pöschel, Alfred B., assignor.)

Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)

Mills, David E., Warwick, and G. N. Taylor, East Providence, R. I., assignors to Universal Winding Company, Boston, Mass. Apparatus for conditioning yarn and other strand materials. 2,188,442; Jan. 30.

Minerva Wax Paper Company, The. (See McCaskey, Perry A., assignor.)

Minneapolis-Honeywell Regulator Company. (See Bower, George D., assignor.)

Minneapolis-Honeywell Regulator Company. (See Churchill, Gilbert A., assignor.)

Minneapolis-Honeywell Regulator Company. (See Judson, A. L., Kronmiller, assignors.)

Minneapolis-Honeywell Regulator Company. (See Kriechbaum, John P., assignor.)

Minneapolis-Honeywell Regulator Company. (See Larson, John M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Locke, James S., assignor.)

Minneapolis-Honeywell Regulator Company. (See Maynard, Meade J., assignor.)

Minneapolis-Honeywell Regulator Company. (See Van Dusen, George C., Jr., assignor.)

Mochel, Norman L., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve stem packing. 2,188,664; Jan. 30.

Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)

Moon, Herbert J., assignor to National Enameling and Stamping Company, Milwaukee, Wis. Combined broiler and griddle. 2,188,757; Jan. 30.

Moore, Francis, assignor to Albert Specialty Company, Chicago, Ill. Tripod. 2,188,514; Jan. 30.

Moorman, Charles L., Bine Island, Ill. Circulating means for rolling stock. 2,188,464; Jan. 30.

Moreland, Richard K., San Francisco, Calif. Ore reducing and digesting process. 2,188,305; Jan. 30.

Moriarty, Benedict E., Kenosha, Wis. Curtain rod. 2,188,738; Jan. 30.

Moriya, Saburo M., Philadelphia, Pa. Overflush mechanism for toilets. 2,188,610; Jan. 30.

Morris, Bert M., Los Angeles, Calif. Fountain inkwell. 2,188,828; Jan. 30.

Mueller Co. (See Larry, T. A., and Cline, assignors.)

Mueller Co. (See Reedy, Emmett M., assignor.)

Mueller, Otto, Dearborn, assignor to The Murray Corporation of America, Detroit, Mich. Latch hinge construction. 2,188,393; Jan. 30.

Müller, Gustav, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Protective means for electric circuit. 2,188,792; Jan. 30.

Müller, Heinrich, Nuremberg, Germany. Garage and vehicle toy. 2,188,739; Jan. 30.

Mulloy, Mary E., Denver, Colo. Harness for bedclothes. 2,188,576; Jan. 30.

Municipal Sanitary Service Corporation. (See Streander, Philip B., assignor.)

Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Method of and apparatus for filling cans. 2,188,306; Jan. 30.

Murphy, Roy C., assignor to Corduroy Rubber Company, Grand Rapids, Mich. Gasket. 2,188,815; Jan. 30.

Murray Corporation of America, The. (See Horton, Frank J., assignor.)

Murray Corporation of America, The. (See Mueller, Otto, assignor.)

Murray, Kenneth L., assignor to Beatrice Creamery Company, Chicago, Ill. Game and game board. 2,188,480; Jan. 30.

Myers, William H. (See Daugherty, R. M., and Myers.)

Naftali, Henry. (See Naftali, Rudolf, V., and H.)

Naftali, Rudolf, V., and H., Bronx, assignors, by mesne assignments, to American Machine & Foundry Company, New York, N. Y. Stitching neckties or similar articles. 2,188,301; Jan. 30.

Naftali, Valentine. (See Naftali, Rudolf, V., and H.)

Napier, D., & Son Limited. (See Ramsay, Frank R. F., assignor.)

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Cine Laboratories. (See Walsh, Thomas J., assignor.)

National Enameling and Stamping Company. (See Moon, Herbert J., assignor.)

Nebelung, Rudolf. (See Feist, E., and Nebelung.)

Nelles Investments, Limited. (See Burden, Henry J., assignor.)

Newbold, Thomas J., Santa Clara, N. Y. Heat-treating device. 2,188,793; Jan. 30.

Newland, Clarence D., Coulee Dam, Wash. Hamburger shaping device. 2,188,842; Jan. 30.

Nickel, Frederick E., assignor to Solar Aircraft Company, San Diego, Calif. Radio compass system. 2,188,556; Jan. 30.

Nishlenick, Nick, Brooklyn, N. Y. Ventilating shutter on Venetian blinds. 2,188,300; Jan. 30.

Noble, Alphonso, Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Sanitary fitting for thermometer bulbs. 2,188,515; Jan. 30.

Noerr, Hermann. (See Fellmer, E., Mauthe, and Noerr.)

Noling, Martin N., assignor to Barber-Colman Company, Rockford, Ill. Warp-uniting machine. 2,188,394; Jan. 30.

Norton, Lowell E., Collingswood, N. J., assignor to Radio Corporation of America. Impulse generator. 2,188,611; Jan. 30.

Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission and reception of frequency modulated waves. 2,188,758; Jan. 30.

Odell, Isaac N., Rochester, N. Y., and F. M. Bailey, Ames, Iowa, assignors to Defender Photo Supply Company, Incorporated, Rochester, N. Y. Film magazine. 2,188,690; Jan. 30.

Ohio Brass Company, The. (See Rorden, Harold L., assignor.)

Ohio Rubber Company, The. (See England, William E., assignor.)

Old National Bank & Union Trust Co., et al., executors. (See Cunningham, John G.)

Oltman, Ray C., Pasadena, Calif., assignor to The Edward Katzinger Company, Chicago, Ill. Bakepan cover. 2,188,543; Jan. 30.

Otis, Herbert C., Dallas, Tex. Union. 2,188,557; Jan. 30.

Otterbacher, Theodore J., Zion, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Food composition. 2,188,481; Jan. 30.

Owen, Wellington M., Lakeland, and E. M. Dearman, Tampa, Fla. Automobile visor map roller attachment. 2,188,612; Jan. 30.

Owens-Illinois Glass Company. (See Vilensky, Michel B., assignor.)

Owens-Illinois Glass Company. (See Vogt, Clarence W., assignor.)

Pacanins, Tomas, et al. (See Yanes, Francisco G., assignor.)

Paper Patents Company. (See Swanson, W. H., Lang, and Porter, assignors.)

Pappajion, George D., Danieldson, Conn. Numbering device for photographic films. 2,188,843; Jan. 30.

Parker, Frank B., Chicago, Ill. Refrigeration. 2,188,372; Jan. 30.

Parks, Walter J., Shaker Heights, Ohio. Reciprocating mechanism. 2,188,482; Jan. 30.

Pasternack, Richard, Brooklyn, N. Y., and P. P. Regna, North Bergen, N. J., assignors to Charles Pfizer & Company, Brooklyn, N. Y. Preparation of 2-keto aldonic acids from aldonic acids. 2,188,777; Jan. 30.

Patent Button Company, The. (See Purinton, Forrest G., assignor.)

Paton, John G. (See Perrin, M. W., Paton, and Williams.)

Patterson, Morehead, New York, N. Y., assignor to American Machine & Laundry Company. Preparing shredded tobacco. 2,188,307; Jan. 30.

Pawsey, Joseph L. (See Cook, E. C., and Pawsey.)

Payne, Clarence Q., Stamford, Conn. Apparatus for magnetic separation. 2,188,516; Jan. 30.

Payne, Clarence Q., Stamford, Conn. Magnetic separator. 2,188,517; Jan. 30.

Pearce, Gale T., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Felted product and method and machine for making the same. 2,188,373; Jan. 30.

Pearson, Le Roy T., and F. M. Zimmerman, Battle Creek, Mich. Connecting mechanism. 2,188,308; Jan. 30.

Pearson, William S., assignor to Peerco, Inc., Park Ridge, Ill. Symbol display device. 2,188,518; Jan. 30.

Pedersen, Thomas E., New York, N. Y. Bedpan cushion. 2,188,844; Jan. 30.

Peerco, Inc. (See Pearson, William S., assignor.)

Pentecost, William A., Oakland, Calif., assignor, by mesne assignments, to Toast-O-Lator Co. Inc., New York, N. Y. Toaster. 2,188,309; Jan. 30.

Permold Company, The. (See Fahlman, Everett G., assignor.)

Perrin, Michael W., J. G. Paton, and E. G. Williams, Northwich, England, assignors to Imperial Chemical Industries Limited. Polymerization of olefins. 2,188,465; Jan. 30.

Perrin, René, assignor to Societe d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Rapidly obtaining steels of high purity. 2,188,416; Jan. 30.

Perry, Thurman M. (See Riggs, Joseph, assignor.)

Peterson, Carl E., Long Beach, Calif. Car mover. 2,188,483; Jan. 30.

Peterson, Guy M., assignor to Cheney Bigelow Wire Works, Springfield, Mass. Cylinder paper making machine. 2,188,484; Jan. 30.

Peterson, Walker F., and A. U. Walter, assignors to Quiet Flow Devices, Inc., Baltimore, Md. Device for controlling the flow of liquids. 2,188,761; Jan. 30.

Petrolator Corporation. (See Svenson, Ernest J., assignor.)

Pfefferle, George H., assignor, by mesne assignments, to Dresser Manufacturing Company, Bradford, Pa. Stopping leaks in pipe lines. 2,188,302; Jan. 30.

Pfizer, Charles, & Company. (See Pasternack, R., and Regna, assignors.)

Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,188,893; Jan. 30.

Pierce, James E. (See Dreisbach, R. R., and Pierce.)

Piercy, Carl A., Ballston, N. Y., assignor to General Electric Company. Filling lead presses in the manufacture of cable sheaths. 2,188,794; Jan. 30.

Point-O-Purchase Advertising Company. (See Davis, Milton K.)

Porter, Donald C. (See Swanson, W. H., Lang, and Porter.)

Pöschel, Alfred B., Chicago, Ill., assignor to Meyercord Company. Rubber transfer or decalcomania. 2,188,866; Jan. 30.

Pöschel, Alfred B., Chicago, Ill., assignor to Meyercord Company. Synthetic rubber ink. 2,188,867; Jan. 30.

Posey, Leroy R., Scotlandville, La. Educational device. 2,188,723; Jan. 30.

Price, Charles S., Hollis, N. Y. Sheet of stars and method of manufacture. 2,188,310; Jan. 30.

Process Management Company. (See Atwell, Harold V., assignor.)

Procter & Gamble Company, The. (See Bassett, James W., assignor.)

Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Swivel button. 2,188,443; Jan. 30.

Pusinelli, Eric. (See Serr, William F., assignor.)

Quick, Claude E., Glendale, Calif., assignor, by mesne assignments, to Interstate Bakeries Corporation. Coating machine. 2,188,485; Jan. 30.

Quiet Flow Devices, Inc. (See Peterson, W. F., and Walter, assignors.)

Radio Corporation of America. (See Busse, Ernst, assignor.)

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Clark, Gilbert R., assignor.)

Radio Corporation of America. (See Linsell, Alfred A., assignor.)

Radio Corporation of America. (See Norton, Lowell E., assignor.)

Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Diaphragm. 2,188,632; Jan. 30.

Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Testing the electrical ignition systems of internal combustion engines. 2,188,845; Jan. 30.

Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Electric fuse and indicator. 2,188,816; Jan. 30.

Rau, Karl. (See Root, H. H., and Rau.)

Rau, Karl, assignor to The A. I. Root Company, Medina, Ohio. Candle and fuel composition for candles. 2,188,795; Jan. 30.

Rebbeck, James W., et al. (See Reimers, Hans A., assignor.)

Reconstruction Finance Corporation. (See Blair, James H., assignor.)

Reconstruction Finance Corporation. (See Huber, William A., assignor.)

Redd, William R., Western Springs, assignor to Wm. Wrigley Jr., Company, Chicago, Ill. Box covering machine. 2,188,759; Jan. 30.

Reed, Clarence E. (See Giesey, R. H., assignor, and Behnke.)

Reedy, Emmett M., Los Angeles, Calif., assignor to Mueller Co., Decatur, Ill. Sink strainer. 2,188,613; Jan. 30.

Regna, Peter P. (See Pasternack, R., and Regna.)

Reimers, Hans A., assignor of one-third to T. Griswold, Jr., and one-third to J. W. Rebbeck, Midland, Mich. Composition for stopping leaks. 2,188,311; Jan. 30.

Reinert, Peter, Cherokee, Iowa. Combination buck stacker and loader. 2,188,724; Jan. 30.

Renshaw, Alfred P. B. (See Thompson, G. W., and Renshaw.)

Reppe, Walter, Ludwigshafen-on-the-Rhine, and E. Kuehn, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products of vinyl ethers. 2,188,778; Jan. 30.

Research Corporation. (See Wintermute, Harry A., assignor.)

Reynolds, Irving C., Toledo, Ohio. Decorative container. 2,188,817; Jan. 30.

Rheinmetall-Borsig Aktiengesellschaft Werk Borsig Berlin-Tegel. (See Heinrich, Johann, assignor.)

Rich, David, assignor of fifteen percent to A. J. Lemke, ten percent to G. R. McKeever, ten percent to C. E. Falk, Spooner, and ten percent to E. H. Grewe, Eau Claire, Wis. Track-aligning device. 2,188,818; Jan. 30.

Rich, David, assignor of fifteen percent to A. J. Lemke, ten percent to G. R. McKeever, ten percent to C. E. Falk, Spooner, and ten percent to E. H. Grewe, Eau Claire, Wis. Tie-spacing device. 2,188,819; Jan. 30.

Richards, Carolyn S. and R. S., Lawrence, Mass. Protecting stick. 2,188,796; Jan. 30.

Richards, Ruth S. (See Richards, Carolyn S. and R. S.)

Richardson, Arthur W., London, England, assignor to Shell Development Company, San Francisco, Calif. Oil burner. 2,188,577; Jan. 30.

Richardson, Creighton E., Brownsburg, Quebec, Canada, assignor to Canadian Industries Limited. Primer. 2,188,760; Jan. 30.

Rietschel, John, Chicago, Ill. Portable bowling alley. 2,188,740; Jan. 30.

Rigandi, Joseph R., Westerleigh, N. Y. Cheek rest for firearms. 2,188,691; Jan. 30.

Riggs, Joseph, Pound, Va., assignor of fifty percent to T. M. Perry, Jenkins, Ky. Switch. 2,188,725; Jan. 30.

Riszdorfer, Ödön, Budapest, Hungary. Photographic camera. 22,188,820; Jan. 30.

Roberts, Charles E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration test method. 2,188,303; Jan. 30.

Roberts, Thomas L., assignor to Air-Van Company, Wausau, Wis. Power-operated ventilator. 2,188,741; Jan. 30.

Robertson, Harold J., Tulsa, Okla., assignor to Sinclair Refining Company, New York, N. Y. Treatment of oil. 2,188,770; Jan. 30.

Robinson, John, Seattle, Wash. Luggage cart. 2,188,578; Jan. 30.

Roehrl, Bruno C., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Self-sealing film roll for cameras. 2,188,779; Jan. 30.

Root, A. I., Company, The. (See Rau, Karl, assignor.)

Root, A. I., Company, The. (See Root, H. H., and Rau, assignors.)

Root, Huber H., and K. Rau, assignors to The A. I. Root Company, Medina, Ohio. Light device. 2,188,797; Jan. 30.

Roots-Connersville Blower Corporation. (See Houghton, Carl R., assignor.)

Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Bushing insulator. 2,188,417; Jan. 30.

Rose, Albert E., deceased, by M. E. Rose, administratrix, Lakeland, Fla. Apparatus for molding tile. 2,188,726; Jan. 30.

Rose, May E., administratrix. (See Rose, Albert E.)

Roseby, Philip N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Electrical switch. 2,188,519; Jan. 30.

Rost, Ehrtel C., assignor to The Foxboro Company, Foxboro, Mass. Punch or tool holding apparatus. 2,188,633; Jan. 30.

Routh, Almond C., Sandusky, Ohio. Apparatus for making bars of ice cream or the like. 2,188,418; Jan. 30.

Rubin, Louis C., Nutley, assignor to Gasoline Products Company, Inc., Newark, N. J. Conversion of hydrocarbon oils. 2,188,312; Jan. 30.

Rueb, Theodore O., assignor to The Sherman-Klove Co., Chicago, Ill. Ratchet device. 2,188,846; Jan. 30.

Ruschig, Heinrich. (See Bockmühl, M., Ehrhart, and Ruschig.)

Ruschig, Heinrich. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller.)

Ruths, Robert J., Baltimore, Md., and H. L. Dodson, U. S. Navy. Fluid pressure operated variable pitch propeller. 2,188,313; Jan. 30.

Ryan, Joseph D., and G. B. Watkins, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,188,395; Jan. 30.

Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Compass. 2,188,821; Jan. 30.

St. John, George. (See Goldvogel, L., and St. John.)

Sambleson, Robert F., Bridgeport, and G. R. Brown, Stratford, Conn., assignors to General Electric Company. Snap switch. 2,188,780; Jan. 30.

Sanchez, Federico G., Vedado, Cuba. Loading and transporting apparatus. 2,188,374; Jan. 30.

Sauer, Urban, Pittsburgh, assignor of one-third to H. R. Levy, McKeesport, Pa. Combined internal combustion engine and cooling system. 2,188,444; Jan. 30.

Savignano, Ferdinand. (See Lohn, Peter, assignor.)

Saviteer, Raymond H., Meriden, Conn. Condolence receptacle. 2,188,419; Jan. 30.

Saxe, Van Rensselaer P., Baltimore, Md. Metal connection for building elements. 2,188,445; Jan. 30.

Sayers, Clay A., Detroit, Mich. Buffing wheel. 2,188,375; Jan. 30.

Scheffauer, Frederick C., San Francisco, Calif. Pipe joint. 2,188,314; Jan. 30.

Schellens, Christopher A., Marblehead, Mass., and E. L. Schellens, Ridgewood, assignors to C-S Engineering Company, Englewood, N. J. Condensing steam locomotive. 2,188,315; Jan. 30.

Schellens, Eugene L. (See Schellens, Christopher A. and E. L.)

Schering Corporation. (See Butenandt, Adolf, assignor.)

Schirmer, Walter E., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Forming axle housings. 2,188,316; Jan. 30.

Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Tunable coupling circuit arrangement for ultra-short waves. 2,188,486; Jan. 30.

Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode ray tube, more particularly for television purposes. 2,188,579; Jan. 30.

Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode ray deflecting circuit. 2,188,580; Jan. 30.

Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode ray tube. 2,188,581; Jan. 30.

Schmitt, Ludwig. (See Kaltenbach, C., and Schmitt.)

Schrade, George, Bridgeport, Conn. Pocketknife. 2,188,762; Jan. 30.

Schulte, D. A., Inc. (See Goldvogel, L., and St. John, assignors.)

Schultz, Carl A., assignor to The Silver City Glass Co., Inc., Meriden, Conn. Combined container and ashtray. 2,188,692; Jan. 30.

Schultz, Floyd F. (See Berg, Edward N., assignor.)

Scott, Paul C., Omaha, Nebr. Brush structure. 2,188,544; Jan. 30.

Seaman, Ellsworth F., Washington, D. C. Noncarbonizing arc resistant material. 2,188,317; Jan. 30.

Seebach, Fritz. (See Elbel, E., and Seebach.)

Seguin, John P. (See McClure, R. R., and Seguin.)

Self, Grafton H., assignor of one-half to A. J. Bockwitz, Twin Falls, Idaho. Tractor driven bean harvester. 2,188,614; Jan. 30.

Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing polyvinyl halide products. 2,188,396; Jan. 30.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber vulcanization. 2,188,420; Jan. 30.

Serr, William F., assignor of forty-nine per cent to E. Pusinelli, New York, N. Y. Ski construction. 2,188,582; Jan. 30.

Servel, Inc. (See Knight, Donald B., assignor.)

Severson, Ole, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc. Tool holder. 2,188,742; Jan. 30.

Severson, Ole, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc. Milling cutter. 2,188,743; Jan. 30.

Seybold, Frederick W., Westfield, assignor to American Type Founders Incorporated, Elizabeth, N. J. Composing room saw. 2,188,446; Jan. 30.

Sharp & Dohme, Incorporated. (See Cope, Arthur C., assignor.)

Sharp, Samuel J., assignor of two-fifths to E. W. Krause, Wheeling, W. Va. Apparatus for treating water. 2,188,487; Jan. 30.

Shaver, William W. (See Littleton, J. T., Lillie, and Shaver.)

Sheffield Steel Corporation. (See Brandt, Fred H. G., assignor.)

Shell Development Company. (See Richardson, Arthur W., assignor.)

Shepard, Henry B., Newton, assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Bowler's grip ball. 2,188,868; Jan. 30.

Shepard Niles Crane & Hoist Corporation. (See Buckley, Sydney, assignor.)

Sherman-Klove Co., The. (See Rueb, Theodore O., assignor.)

Sherman, Wilfred E. (See Bouvier, A. A., Kostoleckl, and Sherman.)

Short, Byron O., Pierce City, Mo. Cultivator. 2,188,644; Jan. 30.

Siderits, Thomas, Milwaukee, Wis. Stone cutter. 2,188,318; Jan. 30.

Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Fischel, E., and Thiry, assignors.)

Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Freystedt, Erich, assignor.)

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Koster, Paul E., assignor.)

Siemens & Halske Aktiengesellschaft. (See Feist, E., and Nebelung, assignors.)

Siemens & Halske Aktiengesellschaft. (See Wochinger, Eduard, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Koppelmann, Floris, assignor.)

Siemers, Gustav F., Berkeley, Calif., assignor of one-half to McKesson & Robbins, Inc., Bridgeport, Conn., and one-half to The Vitab Corporation. Adsorbate and making the same. 2,188,319; Jan. 30.

Silex Company, The. (See Becher, Wesley R., assignor.)

Silex Company, The. (See Talmadge, Louis H., assignor.)

Silver City Glass Co., The. (See Schultz, Carl A., assignor.)

Sinclair Refining Company. (See Robertson, Harold J., assignor.)

Sio, Jose S., Barcelona, Spain. Ring spinning frame. 2,188,376; Jan. 30.

Slezak, Vincent F., Chicago, Ill. Horoscope unit for dispensing machines. 2,188,615; Jan. 30.

Small, Howard, Philadelphia, Pa. Apparatus for dispensing photographic ribbon film. 2,188,377; Jan. 30.

Smelker, Le Roy, Dayton, Ohio. Trailer. 2,188,545; Jan. 30.

Smith, Benjamin A., Lakewood, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Apparatus for conditioning sand and like materials. 2,188,798; Jan. 30.

Smith, Dennis W., assignor to Colborne Manufacturing Company, Chicago, Ill. Multiple pie plate holder. 2,188,558; Jan. 30.

Smith, L. C., & Corona Typewriters, Inc. (See Brown, Carleton F., assignor.)

Smith, Sydney, assignor to Wellman Seaver Rolling Mill Company Limited, London, England. Push bench drive. 2,188,822; Jan. 30.

Smith, Thomas E., Akron, assignor of one-half to E. Dorn, Girard, Ohio. Keyway and gear cutting attachment for lathes. 2,188,447; Jan. 30.

Smith, Wallace W., assignor to Inland Steel Company, Chicago, Ill. Fabricated metal structure. 2,188,448; Jan. 30.

Societe Bronzavia. (See Méjean, Jacques G., assignor.)

Societe d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Perrin, René, assignor.)

Solar Aircraft Company. (See Nickel, Frederick E., assignor.)

Sommer, William H., Peoria, assignor to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill. Wire Fence. 2,188,869; Jan. 30.

Soprani, Mario, Castelfidardo, near Ancona, Italy. Accordion. 2,188,378; Jan. 30.

Soulis, Harold A., Westfield, N. J. Fifth wheel. 2,188,727; Jan. 30.

Spencer, Henry B., assignor of one-half to C. W. Chesley, Charleston, W. Va. Holder for buckets. 2,188,728; Jan. 30.

Sperry, Paul A., New Haven, Conn. Fabric stretching and straightening apparatus. 2,188,665; Jan. 30.

Spohn, John H., Jr., San Francisco, Calif. Gyratory crusher. 2,188,666; Jan. 30.

Stallman, Hazel F., Pontiac, Mich. Knitting needle. 2,188,823; Jan. 30.

Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of leuco sulphuric acid esters of alkyl ethers of Bz-2, Bz-2'-dihydroxydibenzanthrone. 2,188,320; Jan. 30.

Standard Oil Development Company. (See Cannon, G. E., and Foster, assignors.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)

Stanley Manufacturing Company, The. (See Hacker, Owen E., assignor.)

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 2,188,781; Jan. 30.

Stein, Hall Manufacturing Company. (See Bauer, Hans F., and J. V., and Hawley, assignors.)

Steuber, George A., Penfield, N. Y., assignor to Despatch Shops, Inc. Running board for railroad cars. 2,188,729; Jan. 30.

Stewart-Warner Corporation. (See Farr, W. H., and Coxon, assignors.)

Stewart, William C., Kenosha, Wis. Cleaning and massaging device. 2,188,449; Jan. 30.

Stoekle, Erwin R., and G. M. Ehlers, assignors, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Resistor and making the same. 2,188,667; Jan. 30.

Stowe-Woodward, Inc. (See Shepard, Henry B., assignor.)

Streander, Phillip B., Maplewood, N. J., assignor to Municipal Sanitary Service Corporation, New York, N. Y. Apparatus for and method of treating sewage sludge and the like. 2,188,847; Jan. 30.

Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)

Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 2,188,634; Jan. 30.

Sun Oil Company. (See Jolly, S. E., and McKee, assignors.)

Sun Oil Company. (See Jolly, Samuel E., assignor.)

Surdenik, Nicholas, Perrington, Mich. Sanitary toothpick dispenser. 2,188,304; Jan. 30.

Svenson, Ernest J., Rockford, assignor to Petrolator Corporation, Chicago, Ill. Computing dispensing device. 2,188,848; Jan. 30.

Svenson, Ernest J., Rockford, assignor to Petrolator Corporation, Chicago, Ill. Computing dispensing device. 2,188,849; Jan. 30.

Swab, Jay G., Freeport, assignor to Tension Envelope Corporation, Brooklyn, N. Y. Expansion envelope. 2,188,730; Jan. 30.

Swan, Willis A., assignor to A. A. Johnson, Bridgeport, Conn. Vehicle rocking device. 2,188,763; Jan. 30.

Swanson, Walter H., Menasha, L. Lang, Kimberly, and D. C. Porter, Appleton, assignors to Paper Patents Company, Neenah, Wis. Production of acid for sulphite pulping process. 2,188,321; Jan. 30.

Talmadge, Louis H., Wethersfield, assignor, by mesne assignments, to The Silex Company, Hartford Conn. Filter and making the same. 2,188,488; Jan. 30

Tattersall, Harold J., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Nitrocellulose composition of reduced inflammability. 2,188,322; Jan. 30.

Tauber, Henry, Florence, S. C., assignor to Merck & Co. Inc., Rahway, N. J. Preparing co-carboxylase. 2,188,323; Jan. 30.

Taylor, Carl C., assignor to Educational Laboratories, Inc., Brownwood, Tex. Governor. 2,188,559; Jan. 30.

Taylor, Charles H., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,188,379; Jan. 30.

Taylor, George N. (See Mills, D. E., and Taylor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)

Tension Envelope Corporation. (See Swab, Jay G., assignor.)

Texaco Development Corporation. (See Kuhn, Wayne E., assignor.)

Thaheld, Feri A., assignor to The Guiberson Corporation, Dallas, Tex. Means for flowing wells. 2,188,668; Jan. 30.

Thiesen, Hugo A. J., St. Louis, Mo. Fluid motor. 2,188,546; Jan. 30.

Thigpen, Emmitt B., Macon, assignor of one-fourth to W. A. Mason, and one-fourth to J. W. Douglas, Bibb County, Ga. Top spinning device. 2,188,824; Jan. 30.

Thiry, Johannes. (See Fischel, E., and Thiry.)

Thomas, Lloyd R., assignor to The Youngstown Foundry & Machine Company, Youngstown, Ohio. Processing machine. 2,188,782; Jan. 30.

Thompson, Almer J., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of silicon carbide resistors. 2,188,693; Jan. 30.

Thompson, G. W., Liverpool, and A. P. B. Renshaw, Kingston Hill, assignors to Automatic Telephone & Electric Company, Limited, London, England. Traffic control system. 2,188,731; Jan. 30.

Thürlings, Hermann. (See Gregory, H. E., Turner, Henkel, and Thürlings.)

Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)

Timken Roller Bearing Company, The. (See Chievitz, William J., assignor.)

Timken Roller Bearing Company, The. (See Edwards, Herbert C., assignor.)

Timken Roller Bearing Company, The. (See Horger, Oscar J., assignor.)

Toast-O-Lator Co. Inc. (See Pentecost, William A., assignor.)

Todd, Edwin T., assignor to American Seating Company, Grand Rapids, Mich. Panel. 2,188,560; Jan. 30.
Tollefson, Ernest M. (See Trout, W. C., and Tollefson.)
Tracy, Arthur W. (See Freeman, J. R., Jr., and Tracy.)
Tropic-Aire, Incorporated. (See Butterfield, Vernon J., assignor.)
Trout, Walter C., and E. M. Tollefson, Lufkin, Tex., assignors to Lufkin Foundry & Machine Company. Walking beam bearing and hanger. 2,188,583; Jan. 30.
Tucker, Earnest L., Coalburg, W. Va. Automatic mine trap door. 2,188,694; Jan. 30.
Turner, Reginald. (See Gregory, H. E., Turner, Henkel, and Thürlings.)
Turner, Simon W. H., New York, N. Y. Menu course selector. 2,188,744; Jan. 30.
Tyler, John N., Woodbury Heights, N. J. Track structure. 2,188,894; Jan. 30.
Tyne Co. (See Tyne, John J., assignor.)
Tyne, John J., Oak Park, assignor to Tyne Co., Chicago, Ill. Reamer. 2,188,584; Jan. 30.
Uhlemann Optical Co. of Illinois. (See Uhlemann, William R., assignor.)
Uhlemann, William R., Evanston, assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Lens mounting. 2,188,380; Jan. 30.
Ulrich, Charles B., Jamestown, N. Y. Plan file. 2,188,669; Jan. 30.
Union Railway Equipment Co. (See Zane, Edward W., assignor.)
Union Twist Drill Company. (See Kiehne, Alfred J., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United States Rubber Company. (See Jordan, Hubert F., assignor.)
Universal Clay Products Co., The. (See Hobert, Leroy F., assignor.)
Universal Winding Company. (See Mills, D. E., and Taylor, assignors.)
Van Dusen, George C., Jr., Excelsior, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,188,633; Jan. 30.
Veatch, Collins, La Grange, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Chocolate coating and making same, 2,188,489; Jan. 30.
Verbeek, Arnold. (See Dietrich, G. H., Verbeek, and Eissner.)
Verdon-Roe, Alliott, Southampton, assignor to Aviation Developments Limited, London, England. Device for clamping together pieces of sheet material to facilitate riveting and the like operations. 2,188,450; Jan. 30.
Victor Development and Patent Company, The. (See von Haase, Victor A., assignor.)
Victory Switch Company. (See Josephson, Archie, assignor.)
Vilensky, Michel B., Newark, Ohio, assignor to Owens-Illinois Glass Company. Platinum alloy for contacting molten glass. 2,188,636; Jan. 30.
Vitab Corporation, The, et al. (See Siemers, Gustav F., assignor.)
Vlaun, Charles V., Long Island City, N. Y. Game board. 2,188,825; Jan. 30.
Vogt, Clarence W., Norwalk, Conn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Shipping carton. 2,188,732; Jan. 30.
Voight, August L., Cleveland, Ohio. Faucet. 2,188,783; Jan. 30.
von Haase, Victor A., Rocky River, assignor to The Victor Development and Patent Company, Cleveland, Ohio. Pretzel machine. 2,188,799; Jan. 30.
Vorie, Innokent N., Tonawanda, assignor to Colonial Radio Corporation, Buffalo, N. Y. Radio receiving apparatus. 2,188,490; Jan. 30.
Waddill, Houston T., Irwin, Nebr. Sickle holding and sharpening machine. 2,188,616; Jan. 30.
Wade, Kenneth L., New York, N. Y. Pillow. 2,188,421; Jan. 30.
Wagner, E. R., Manufacturing Company. (See Wagner, Robert S., assignor.)
Wagner, Paul H., Milwaukee, Wis. Oil filter. 2,188,745; Jan. 30.
Wagner, Robert S., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Hinge. 2,188,670; Jan. 30.
Waldorf Paper Products Company. (See Calva, Jose B., assignor.)
Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame hardening torch. 2,188,637; Jan. 30.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Huller type cotton gin. 2,188,826; Jan. 30.
Wallace, Percy J. (See Giovanni, J. A., and Wallace.)
Walpole, John P., Bronx, N. Y. Electric iron plug and receptacle therefor. 2,188,617; Jan. 30.
Walsh, Thomas J., West Hempstead, assignor to T. J. Walsh and G. B. Antofilli, a copartnership doing business as National Cine Laboratories, New York, N. Y. Camera. 2,188,764; Jan. 30.
Walter, Albert U. (See Peterson, W. F., and Walter.)
Walthall, John H., near Sheffield, Ala. Making sulphuric acid. 2,188,324; Jan. 30.
Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid-tight attachment and tubular rivet therefor. 2,188,422; Jan. 30.
Warren, S. D., Company. (See Coggeshall, George W., assignor.)
Waterhouse, Edward L., assignor to Waterhouse Laundry Machinery Company, Detroit, Mich. Curtain drying apparatus. 2,188,307; Jan. 30.
Waterhouse Laundry Machinery Company. (See Waterhouse, Edward L., assignor.)
Watkins, George B. (See Ryan, J. D., and Watkins.)
Weaver, Eastman A., Winchester, assignor to Comstock & Wescott, Inc., Cambridge, Mass. Color photography. 2,188,325; Jan. 30.
Welch, William H., Chicago, Ill., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Electrode. 2,188,771; Jan. 30.
Wellman Seaver Rolling Mill Company Limited. (See Smith, Sydney, assignor.)
Wertheim, Adolph, Brooklyn, N. Y. Ornamental leather and other sheet materials. 2,188,491; Jan. 30.
Westinghouse Electric & Manufacturing Company. (See Holmes, Richard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See McNulty, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mochel, Norman L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Roberts, Charles E., assignor.)
White & Wyckoff Mfg. Co. (See Eden, James A., assignor.)
White Castle System, Inc. (See Wirtz, Franklin H., assignor.)
White, Eric L. C. (See Faudell, C. L., and White.)
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,188,381; Jan. 30.
White, Joe. (See Crichfield, R. M., and White.)
Wildt and Company Limited. (See Kent, A. W., and Holmes, assignors.)
Willemain, Fernand H., Holyoke, Mass. Indicating device. 2,188,466; Jan. 30.
Williams, Alfred O. (See Burrows, R. J., and Williams.)
Williams, Arthur F., assignor to Wilo-Edge Corporation, St. Paul, Minn. Optical lens groover. 2,188,585; Jan. 30.
Williams, Edmund G. (See Perrin, M. W., Paton, and Williams.)
Williams, Karl D. (See Jeans, H. S., and Williams.)
Williamson, Archie O., Minneapolis, Minn. Double duty snow plow. 2,188,800; Jan. 30.
Wilo-Edge Corporation. (See Williams, Arthur F., assignor.)
Wilson Cabinet Corporation. (See Markley, R., Jr., and Cook, assignors.)
Wilson, Ira G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave amplifying system. 2,188,671; Jan. 30.
Windsor, John F., Chicago, and C. Mark, Jr., Evanston, assignors to Clayton Mark & Company, Chicago, Ill. Electric welding. 2,188,326; Jan. 30.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electric precipitator. 2,188,695; Jan. 30.
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, and Ruschig, assignors.)
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, Ruschig, and Aumüller, assignors.)
Winthrop Chemical Company. (See Lautenschlager, C. L., and Lindner, assignors.)
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wired Radio, Inc. (See Herdman, William J., assignor.)
Wirtz, Franklin H., assignor to White Castle System, Inc., Columbus, Ohio. Counter construction. 2,188,586; Jan. 30.
Wochinger, Eduard, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,188,467; Jan. 30.
Wochinger, Eduard, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Party line telephone system. 2,188,520; Jan. 30.
Woodland, Cecil R. (See McClew, J. W., and Woodland.)
Woodroffe, Tom E., Otahuhu, Auckland, New Zealand. Rodent or animal trap. 2,188,696; Jan. 30.
Worrall, John H. (See Bloch, R., and Worrall.)
Werth, Weldon, Dayton, Ohio. Oil dilution system. 2,188,801; Jan. 30.
Wotring, Royal R. (See King, J. H. and Wotring.)
Wrigley, Wm. Jr., Company. (See Redd, William R., assignor.)
Yanes, Francisco G., assignor of thirty per cent to T. Pacanins, New York, N. Y., and fifteen per cent to F. Gomez, Trujillo City, Dominican Republic. Brightening the colors in the subtractive synthesis of color photography. 2,188,697; Jan. 30.
Young, Earle L., Awosting, N. J., assignor to Laminated Shim Co., Long Island City, N. Y. Heat treating brass shims and shim stock. 2,188,765; Jan. 30.

Young, George G., Kansas City, Mo., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Bakepan set. 2,188,492; Jan. 30.
Youngstown Foundry & Machine Company, The. (See Thomas, Lloyd R., assignor.)
Zalesky, Joe L., Buckholts, Tex. Insect exterminator. 2,188,618; Jan. 30.
Zane, Edward W. assignor to Union Railway Equipment Co. Chicago, Ill. Hand brake mechanism. 2,188,521; Jan. 30.
Zeiss Ikon Aktiengesellschaft. (See Bertele, Ludwig, assignor.)
Zimmerman, Frank M. (See Pearson, L. T., and Zimmerman.)
Zinkil, Roy H. (See Andersen, L., Fredrickson, and Zinkil.)
Zinkil, Roy H., Oak Park, E. A. Fredrickson and J. M. Kovarik, Jr., assignors to Crane Co., Chicago, Ill. Valve. 2,188,850; Jan. 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Heat exchange apparatus. J. Karmazin. Re. 21,339; Jan. 30.

Pan raising and lowering mechanism, Grain. T. N. Pierson. Re. 21,340; Jan. 30.

Tea package. S. Haut. Re. 21,338; Jan. 30.

Toasting machine. W. A. Graham. Re. 21,336; Jan. 30.

Weather strip, Door. J. I. Hamm. Re. 21,337; Jan. 30.

LIST OF PLANT INVENTIONS

Gladiolus. C. Salbach. 356–60; Jan. 30.

LIST OF DESIGN INVENTIONS

Air conditioner. R. E. Young. 118,790; Jan. 30.
Arm for lamp fixtures. A. O. Elting. 118,734; Jan. 30.
Ashtray. J. F. Schylander. 118,746; Jan. 30.
Atomizer. F. R. Hoch. 118,778; Jan. 30.
Atomizer. F. W. Lohse. 118,782; Jan. 30.
Blouse or similar article. L. Kliban. 118,806; Jan. 30.
Box and house number plate, Combination mail. N. L. Poole. 118,711; Jan. 30.
Box, Mail. W. B. Driver. 118,696; Jan. 30.
Box opener or the like, Paper. E. T. Myers. 118,709; Jan. 30.
Box, Storage battery. A. G. Phelps and F. G. Stickel. 118,755; Jan. 30.
Cabinet, Gas range. C. T. Donnelly. 118,768; Jan. 30.
Can, Milk. S. S. Starzec and Y. V. Sims. 118,728; Jan. 30.
Case or similar article, Vanity. R. F. Landwehr. 118,781; Jan. 30.
Casing, Scale. R. Heller. 118,701; Jan. 30.
Clamp, Rope. C. C. Gallagher. 118,697; Jan. 30.
Clasp and button closure therefor, Combined. S. Holstein. 118,739; Jan. 30.
Clip for match and cigarette packages, Combined connecting. F. M. Sprague. 118,748; Jan. 30.
Coat. J. Cohen. 118,751; Jan. 30.
Coat. E. Minkoff. 118,753; Jan. 30.
Collar or similar article, Lace. W. F. Breuss. 118,800–02; Jan. 30.
Comic figure. P. L. Goodale. 118,699; Jan. 30.
Cover and bath mat, or similar article, Combination toilet seat. C. Zito. 118,716; Jan. 30.
Cup, Drink mixing. L. Myers. 118,725; Jan. 30.
Dress. C. Charles. 118,750; Jan. 30.
Dress. G. Constantine. 118,765; Jan. 30.
Dress. M. Croizat. 118,766; Jan. 30.
Dress. L. Decker. 118,767; Jan. 30.
Dress. E. Evans. 118,769; Jan. 30.
Dress. S. Faden. 118,770; Jan. 30.
Dress. P. Fracchia. 118,771–2; Jan. 30.
Dress. P. Heit. 118,776–7; Jan. 30.
Dress. N. Kaback. 118,779; Jan. 30.
Dress. D. Rothstein. 118,783; Jan. 30.
Dress. D. A. Sapienza. 118,784; Jan. 30.
Dress. J. Schwartz. 118,785; Jan. 30.
Dress. B. Shapiro. 118,787; Jan. 30.
Dress. J. Siegel. 118,761–2; Jan. 30.
Dress. F. Sussman. 118,788; Jan. 30.
Dress. O. Wusits. 118,789; Jan. 30.
Dress. J. Zinn. 118,764; Jan. 30.
Dress. J. Zinn. 118,791–2; Jan. 30.
Dress ensemble. F. Grilli. 118,773; Jan. 30.
Dress ensemble. S. Kuznetz. 118,780; Jan. 30.
Dress ensemble. J. Schwartz. 118,786; Jan. 30.
Fabric, Elastic textile. C. E. Turk. 118,795; Jan. 30.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. 118,805; Jan. 30.
Fabric or similar article, Textile. R. Schmidt. 118,760; Jan. 30.
Fabric or similar article, Textile. M. Turpan. 118,796–8; Jan. 30.
Fabric, Textile. H. R. Shapiro. 118,794; Jan. 30.
Fork, Kitchen. J. E. Rude. 118,714; Jan. 30.
Funnel. H. H. Martin. 118,723; Jan. 30.
Game board. R. H. Deaderick. 118,694; Jan. 30.
Globe or similar article, Lighting fixture. H. G. Alm. 118,717–18; Jan. 30.
Goggle. J. Brunetti. 118,732; Jan. 30.
Hat. M. Solash. 118,808; Jan. 30.
Heater, Electric. K. M. Hammell and C. W. Sundberg. 118,774–5; Jan. 30.
Hinge or similar article. E. J. Walton. 118,715; Jan. 30.
Holder, Cigarette. D. G. Feigel. 118,735; Jan. 30.
Holder for electric arc welding device, Carbon. C. P. Nielsen. 118,710; Jan. 30.
Holder or similar article, Flower. M. K. Grant. 118,752; Jan. 30.
Indicator, Automobile direction. J. P. Sandejas. 118,745; Jan. 30.
Jewelry component. E. A. Weiss. 118,763; Jan. 30.
Lamp and sign, Combined porch. J. B. Herring. 118,738; Jan. 30.
Lighting fixture. S. Miller. 118,742; Jan. 30.
Lighting fixture or similar article. L. L. Stewart. 118,729; Jan. 30.
Match book. H. Lieber. 118,741; Jan. 30.
Ornament, Scales model. J. Galter. 118,737; Jan. 30.
Panel, Louvered light transmitting. E. C. Zimmerman. 118,749; Jan. 30.
Phonograph tone arm. W. E. Sharer. 118,747; Jan. 30.
Pin clip. A. Philippe. 118,756–9; Jan. 30.
Pitcher. J. E. Spence. 118,727; Jan. 30.
Pitcher or similar article. D. Haslup. 118,721; Jan. 30.
Plate or similar article. C. W. Leigh. 118,703–8; Jan. 30.
Pull for a slide fastener. J. B. Clark. 118,693; Jan. 30.
Range, Electric. W. J. Russell. 118,793; Jan. 30.
Sandal. J. B. Berland. 118,719; Jan. 30.
Service station. T. H. Joseph. 118,702; Jan. 30.
Sewer cleaning machine. K. J. Kollmann. 118,740; Jan. 30.
Sheet of metal foil, Decorative. C. S. Price. 118,726; Jan. 30.
Shoe. T. F. Carfagno. 118,692; Jan. 30.
Shoe or similar article, Lady's. R. Jerro. 118,722; Jan. 30.
Signal and mirror, Combination. E. F. Oetinger. 118,744; Jan. 30.
Signal for automobiles, Safety danger. J. Calhoun. 118,733; Jan. 30.
Slacks and suspenders, Combination. M. O. Bauer. 118,799; Jan. 30.
Slip. E. Cadous. 118,803–4; Jan. 30.
Slipper. H. M. Edelstein. 118,720; Jan. 30.
Slipper. L. E. Friedman. 118,736; Jan. 30.
Slipper or similar article. S. Dorée. 118,695; Jan. 30.
Stocking. J. D. Moyer. 118,754; Jan. 30.
Stove, Cook. B. W. Tullis. 118,731; Jan. 30.
Support for ophthalmic lenses and spectacle mountings or similar articles. E. Reynolds. 118,713; Jan. 30.
Support for spectacle frames and ophthalmic mountings or similar articles. E. Reynolds. 118,712; Jan. 30.
Tool head, Lather's. C. F. Griffith. 118,700; Jan. 30.
Tool unit, Motorized hand. L. J. Misuraca. 118,724; Jan. 30.
Transparency viewer. J. W. Gillon. 118,698; Jan. 30.
Trap or the like, Insect. C. Nicolini. 118,743; Jan. 30.
Undergarment, Lady's. H. A. Laufer. 118,807; Jan. 30.
Warming and drying apparatus, Combined. E. J. Sweetland. 118,730; Jan. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF JANUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. R. J. McQuade. 2,188,720; Jan. 30.
Abrading tool, Positive stop. K. W. Connor. 2,188,567; Jan. 30.
Abrasive articles, Manufacture of. E. Elbel and F. Seebach. 2,188,341; Jan. 30.
Accordion. M. Sopranì. 2,188,378; Jan. 30.
Acid for sulphite pulping process, Production of. W. H. Swanson, L. Lang, and D. C. Porter. 2,188,321; Jan. 30.
Acid, Making sulphuric. J. H. Walthall. 2,188,324; Jan. 30.
Acids from aldonic acids, Preparation of 2-keto aldonic. R. Pasternack and P. P. Regna. 2,188,777; Jan. 30.
Actuating mechanism for a plumbing fixture. L. Andersen, E. A. Fredrickson, and R. H. Zinkil. 2,188,562; Jan. 30.
Adsorbate and making the same. G. F. Siemers. 2,188,319; Jan. 30.
Air and other separator. G. H. Fraser. 2,188,431–2; Jan. 30.
Air and other separator. G. H. Fraser. 2,188,474; Jan. 30.
Air conditioning means for rail cars. R. J. Burrows and A. O. Williams. 2,188,496; Jan. 30.
Air conditioning plant. R. H. Folsom. 2,188,811; Jan. 30.
Air conditioning system for buildings. F. C. Cowderoy-Dale. 2,188,566; Jan. 30.
Air filter loader. T. R. Hughes. 2,188,572; Jan. 30.
Air or current separator. G. H. Fraser. 2,188,430; Jan. 30.
Air or other current separator. G. H. Fraser. 2,188,345; Jan. 30.
Air separator. T. J. Sturtevant. 2,188,634; Jan. 30.
Air valve. A. H. Magee. 2,188,441; Jan. 30.
Alkaline earth metal carbonates, Making fine particle. R. R. McClure and J. P. Seguin. 2,188,663; Jan. 30.
Alloy: *See*—
Copper-zinc alloy.
Alloys, Molybdenum. F. R. Hensel and K. L. Emmert. 2,188,405; Jan. 30.
Animal trap. N. Cress. 2,188,652; Jan. 30.
Animal trap. H. R. Graybill. 2,188,297; Jan. 30.
Antenna. P. S. Carter. 2,188,649; Jan. 30.
Antenna equipment, Automotive. R. M. Daugherty and W. H. Myers. 2,188,427; Jan. 30.
Anthraquinone compound and coloring therewith. J. G. McNally and J. B. Dickey. 2,188,369; Jan. 30.
Antitheft device. H. Hokanson. 2,188,714; Jan. 30.
Apparatus for conditioning yarn and other strand materials. D. E. Mills and G. N. Taylor. 2,188,442; Jan. 30.
Apparatus for developing films without a dark room. R. Huerta and A. Grendani. 2,188,299; Jan. 30.
Apparatus for dispensing measured charges of fluent material. J. P. Crandall. 2,188,676; Jan. 30.
Apparatus for grooving rubber applicator rolls. H. Galber. 2,188,456; Jan. 30.
Apparatus for making bars of ice cream or the like. A. C. Routh. 2,188,418; Jan. 30.
Apparatus for projecting granular material. J. Jacobovics. 2,188,716; Jan. 30.
Apparatus for tempering glass. T. R. Crowley. 2,188,401; Jan. 30.
Apparatus for twisting dough. M. E. Fonken. 2,188,536; Jan. 30.
Armature for electric speedometers. W. H. Farr and G. E Coxon. 2,188,570; Jan. 30.
Articles from powdered components, Making. G. J. Comstock. 2,188,873; Jan. 30.
Attachment and tubular rivet therefor, Fluid-tight. H. E. Waner. 2,188,422; Jan. 30.
Attachment for electrical frequency shifters. H. B. Clark. 2,188,829; Jan. 30.
Automobile hood. J. Haltenberger. 2,188,891; Jan. 30.
Automobile jack. F. S. Armstrong. 2,188,698; Jan. 30.
Axle housings, Forming. W. E. Schirmer. 2,188,316; Jan. 30.
Axle structure, Driven steering wheel. A. W. Herrington. 2,188,861; Jan. 30.
Bag for vacuum cleaners, Auxiliary. M. E. Evans. 2,188,428; Jan. 30.
Bakepan cover. R. C. Oltman. 2,188,543; Jan. 30.
Bakepan set. G. G. Young. 2,188,492; Jan. 30.
Ball, Bowler's grip. H. B. Shepard. 2,188,868; Jan. 30.
Bar anchoring means, Vertical. C. D. Lowry. 2,188,411; Jan. 30.
Base for air sealed vaults. F. Biszantz. 2,188,524; Jan. 30.
Bath appliance, Shower. A. Desruisseaux. 2,188,593; Jan. 30.
Bearing: *See*—
Valve gear bearing.
Bearing and hanger, Walking beam. W. C. Trout and E. M. Tollefson. 2,188,583; Jan. 30.
Bearing having a nonmetallic fabric lining. H. D. Geyer. 2,188,722; Jan. 30.
Bed, Invalid. J. G. Cunningham. 2,188,592; Jan. 30.
Beehive. O. A. King. 2,188,719; Jan. 30.
Binder, Spiral. F. F. Farkas. 2,188,680; Jan. 30.
Blind mechanism, Venetian. H. G. Balthasar. 2,188,639; Jan. 30.
Blind, Window. J. A. McLennan. 2,188,575; Jan. 30.
Block: *See*—
Terminal block. Wire stringing block.
Block signal and train control system for toy railroads. E. E. McKeige and N. L. Case. 2,188,756; Jan. 30.
Blowlamp. L. Levit. 2,188,460; Jan. 30.
Blow-off valve. G. W. Haynes. 2,188,391; Jan. 30.
Board: *See*—
Game and game board. Game board.
Bookbinding. J. A. Eden. 2,188,773; Jan. 30.
Booth, Portable. J. E. Bittick. 2,188,747; Jan. 30.
Bottle filler. L. Feis. 2,188,402; Jan. 30.
Bowling alley, Portable. J. Rietschel. 2,188,740; Jan. 30.
Box: *See*—
Plant box.
Box covering machine. W. R. Redd. 2,188,759; Jan. 20.
Brake. C. V. Berglund. 2,188,452; Jan. 30.
Brake. C. H. Bock. 2,188,453; Jan. 30.
Brake mechanism. S. Buckley. 2,188,766; Jan. 20.
Brake mechanism, Hand. E. W. Zane. 2,188,521; Jan. 30.
Broiler and griddle, Combined. H. J. Moon. 2,188,757; Jan. 30.
Brush, Selector switch. C. N. Hickman. 2,188,659; Jan. 30.
Brush structure. P. C. Scott. 2,188,544; Jan. 30.
Bucket, Grab. H. S. Atkinson. 2,188,672; Jan. 30.
Buffing wheel. C. A. Sayers. 2,188,375; Jan. 30.
Burner: *See*—
Oil burner.
Burner control system, Fuel. G. D. Bower. 2,188,565; Jan. 30.
Burnishing machine. R. H. Giesey and G. E. Behnke. 2,188,629; Jan. 30.
Bushing insulator. H. L. Rorden. 2,188,417; Jan. 30.
Bushing, Removable. L. F. Hobert. 2,188,596; Jan. 30.
Butane tank. J. R. Holicer. 2,188,597; Jan. 30.
Button, Swivel. F. G. Purinton. 2,188,443; Jan. 30.
Cabinet: *See*—
Food cabinet.
Cables, Producing multiconductor signaling. O. S. Markuson. 2,188,755; Jan. 30.
Calculating machine. B. Carlström. 2,188,748; Jan. 30.
Camera. T. J. Walsh. 2,188,764; Jan. 30.
Camera, Photographic. Ö. Riszdorfer. 2,188,820; Jan. 30.
Camera with exposure meter, Roll film. L. Goldhammer and S. Gelius. 2,188,711; Jan. 30.
Candle and fuel composition for candles. K. Rau. 2,188,795; Jan. 30.
Cans, Method of and apparatus for filling. J. H. Murch. 2,188,306; Jan. 30.
Cap and dropper. L. S. Beckett. 2,188,802; Jan. 30.
Car floor rack, Refrigerator. C. D. Bonsall. 2,188,851; Jan. 30.
Car floor rack, Refrigerator. G. G. Gilpin. 2,188,860; Jan. 30.
Car mover. C. E. Peterson. 2,188,483; Jan. 30.
Carbon solvent and lubricant. R. L. Buffington. 2,188,645; Jan. 30.
Carding engine. R. B. Jenkins and G. R. Hooper. 2,188,458; Jan. 30.
Carrier system, Catalytic. R. C. Curtis. 2,188,500; Jan. 30.
Cart, Luggage. J. Robinson. 2,188,578; Jan. 30.
Carton, Shipping. C. W. Vogt. 2,188,732; Jan. 30.
Casings, Handling well. A. L. Armentrout. 2,188,589; Jan. 30.
Caster. A. A. Bouvier, J. Kostolecki, and W. E. Sherman. 2,188,648; Jan. 30.
Cathode ray apparatus. E. Busse. 2,188,647; Jan. 30.
Cathode ray deflecting circuit. K. Schlesinger. 2,188,580; Jan. 30.
Cathode ray tube. K. Schlesinger. 2,188,581; Jan. 30.
Ceiling structure. P. Carilli. 2,188,527; Jan. 30.

Cement and cementing operation. G. E. Cannon and J. L. Foster. 2,188,767; Jan. 30.
Centering device for hearth bread pan sets. J. G. Jackson. 2,188,549; Jan. 30.
Chain: *See*—
Link chain.
Changing mechanism for disk records, Automatic. A. R. Downs. 2,188,769; Jan. 30.
Check book cover, Folding. M. A. Heinzelman. 2,188,571; Jan. 30.
Chocolate coating and making same. C. Veatch. 2,188,489; Jan. 30.
Chronograph screen. J. V. Dunham. 2,188,339; Jan. 30.
Circuit: *See*—
Cathode ray deflecting circuit. Rectifying circuit.
Circuit arrangement for ultra-short waves, Tunable coupling. K. Schlesinger. 2,188,486; Jan. 30.
Circuit interrupter, Electric. H. Burmeister. 2,188,606; Jan. 30.
Circulating means for rolling stock. C. L. Moorman. 2,188,464; Jan. 30.
Clamp for panel form walls, Liner. G. B. Bosco. 2,188,400; Jan. 30.
Clasp, Wrist watch bracelet. W. L. Bridler. 2,188,471; Jan. 30.
Cleaner: *See*—
Mop cleaner. Vacuum cleaner.
Suction cleaner.
Cleaning and massaging device. W. C. Stewart. 2,188,449; Jan. 30.
Clock, Multiple vision. A. E. Carlson. 2,188,872; Jan. 30.
Coated article, Flexible. W. H. Carothers. 2,188,332; Jan. 30.
Coating composition and method. E. T. Clocker. 2,188,884; Jan. 30.
Coating machine. C. E. Quick. 2,188,485; Jan. 30.
Co-carboxylase, Preparing. H. Tauber. 2,188,323; Jan. 30.
Coil, Inductance. H. W. Cox. 2,188,651; Jan. 30.
Color photography. E. A. Weaver. 2,188,325; Jan. 30.
Colors in the subtractive synthesis of color photography, Brightening the. F. G. Yanes. 2,188,697; Jan. 30.
Compass. G. V. Rylsky. 2,188,821; Jan. 30.
Composition for preservation of and combination with latices, rubber, and other proteins and decomposable organic compounds. C. M. Albion. 2,188,327; Jan. 30.
Composition for stopping leaks. H. A. Reimers. 2,188,311; Jan. 30.
Computing dispensing device. E. J. Svenson. 2,188,848–9; Jan. 30.
Condensation product and method. E. T. Clocker. 2,188,882–3; Jan. 30.
Condensation product and method. E. T. Clocker. 2,188,885–6; Jan. 30.
Condensation product and method. E. T. Clocker. 2,188,888–9; Jan. 30.
Condition finder for invisible parts of automobiles, Portable. D. B. Dickinson. 2,188,677; Jan. 30.
Condolence receptacle. R. H. Saviteer. 2,188,419; Jan. 30.
Connecting mechanism. L. T. Pearson and F. M. Zimmerman. 2,188,308; Jan. 30.
Connection for building elements, Metal. V. R. P. Saxe. 2,188,445; Jan. 30.
Contact member for sockets of plug and socket devices. S. M. Del Camp. 2,188,530; Jan. 30.
Container: *See*—
Decorative container.
Container. H. G. King. 2,188,813; Jan. 30.
Container and ashtray, Combined. C. A. Schultz. 2,188,692; Jan. 30.
Container and making the same. J. B. Calva. 2,188,497; Jan. 30.
Containers, Filling. J. W. Bassett. 2,188,700; Jan. 30.
Control apparatus for vehicles. E. Fischel and J. Thiry. 2,188,834; Jan. 30.
Control for wringers. D. Hays. 2,188,812; Jan. 30.
Control system. W. Boeker. 2,188,804; Jan. 30.
Controlling and sensory system. S. E. Adair. 2,188,383; Jan. 30.
Controlling and sensory system and method. S. E. Adair. 2,188,382; Jan. 30.
Cooker, Pressure. E. G. Grundstrom. 2,188,735; Jan. 30.
Cooler: *See*—
Milk cooler.
Cooling apparatus. J. W. McNulty. 2,188,370; Jan. 30.
Copper-zinc alloy, Corrosion resistant. J. R. Freeman, Jr., and A. R. Tracy. 2,188,681; Jan. 30.
Counter construction. F. H. Wirtz. 2,188,586; Jan. 30.
Coupler. A. H. Ames. 2,188,587; Jan. 30.
Cover: *See*—
Bakepan cover. Escalator cover.
Check book cover.
Cover support. R. M. Critchfield and J. White. 2,188,706; Jan. 30.
Cowl, Adjustable chimney. D. Friedman. 2,188,709; Jan. 30.
Crane, Luffing. B. H. Kersting and H. Enard. 2,188,686; Jan. 30.
Crank and connecting rod assembly, Dual. F. W. Crawford. 2,188,831; Jan. 30.
Crankshaft chuck. W. F. Groene and W. R. Meyer. 2,188,594; Jan. 30.
Crusher, Gyratory. J. H. Spohn, Jr. 2,188,666; Jan. 30.
Cuff link. H. T. Garrigus. 2,188,505; Jan. 30.
Cultivator. B. O. Short. 2,188,644; Jan. 30.
Cummutator, Making a. G. E. Andrews. 2,188,423; Jan. 30.
Currents, Apparatus for converting. F. Koppelmann. 2,188,361; Jan. 30.
Curtain drying apparatus. E. L. Waterhouse. 2,188,397; Jan. 30.
Curtain rod. B. E. Moriarty. 2,188,738; Jan. 30.
Cushion, Bedpan. T. E. Pedersen. 2,188,844; Jan. 30.
Custard making machine, Frozen. C. Kaltenbach and L. Schmitt. 2,188,551; Jan. 30.
Cutter: *See*—
Ensilage cutter. Stone cutter,
Milling cutter. Wire line pipe cutter.
Cylinder, Master. G. H. Hunt. 2,188,355; Jan. 30.
Decorative container. I. C. Reynolds. 2,188,817; Jan. 30.
Delayed-action switch. A. Josephson. 2,188,685; Jan. 30.
Dialkenyl malonic esters and producing same, Secondary. A. C. Cope. 2,188,874; Jan. 30.
Dental hand piece. J. H. Blair. 2,188,426; Jan. 30.
Derivatives of cellulose, Purification of organic substitution. H. E. Martin and D. A. Ensor. 2,188,392; Jan. 30.
Derivatives of the cyclopentanopolyhydrophenanthrene, Preparing. M. Bockmühl, G. Ehrhart, H. Ruschig, and W. Aumüller. 2,188,870; Jan. 30.
Derivatives of the vitamin E, Preparing crystallized. C. L. Lautenschlager and F. Lindner. 2,188,878; Jan. 30.
Device for clamping together pieces of sheet material to facilitate riveting and the like operations. A. Verdon-Roe. 2,188,450; Jan. 30.
Device for controlling the flow of liquids. W. F. Peterson and A. U. Walter. 2,188,761; Jan. 30.
Device for the heating of flowing liquids such as rubber latex. R. A. Dufour and H. A. Leduc. 2,188,625; Jan. 30.
Diaphragm. E. J. W. Ragsdale. 2,188,632; Jan. 30.
Di-benzanthrone-anthraquinone-di-acridines. D. P. Graham and C. G. Frey. 2,188,537; Jan. 30.
Die. A. J. Kiehne. 2,188,788; Jan. 30.
Die and die holder, Wire drawing. F. H. G. Brandt. 2,188,470; Jan. 30.
Dirt, Removal of. H. W. House. 2,188,353; Jan. 30.
Disking device. F. M. Hargrave. 2,188,435; Jan. 30.
Dispenser: *See*—
Powder dispenser. Toothpick dispenser.
Refrigerated liquid dispenser.
Dispenser. P. A. McCaskey. 2,188,479; Jan. 30.
Dispensing. S. Longo. 2,188,573; Jan. 30.
Dispensing device. O. Goetz. 2,188,682; Jan. 30.
Display device, Automatic. H. Barta. 2,188,733; Jan. 30.
Distribution system, Multiple. W. J. Herdman. 2,188,508; Jan. 30.
Ditcher. A. L. Meyer. 2,188,802; Jan. 30.
Doll. F. Fenton. 2,188,429; Jan. 30.
Door: *See*—
Mine trap door.
Draft regulator for chimneys. E. N. Berg. 2,188,564; Jan. 30.
Drill: *See*—
Trepanning drill.
Drive, Push bench. S. Smith. 2,188,822; Jan. 30.
Dumb-waiter control system. L. H. Kiesling. 2,188,357; Jan. 30.
Duplicating apparatus. H. Jagger. 2,188,598–9; Jan. 30.
Duplicating machine. W. A. Kropp. 2,188,600; Jan. 30.
Dust collector. E. L. Anderson. 2,188,547; Jan. 30.
Dyestuffs of the benzanthrone-anthraquinone-acridine series, Vat. D. P. Graham. 2,188,538; Jan. 30.
Dyestuffs of the anthraquinone series. R. N. Lulek. 2,188,776; Jan. 30.
Dynamometer, Absorption. E. Bernard. 2,188,398; Jan. 30.
Earpiece, Audiphone. T. J. Carlson. 2,188,591; Jan. 30.
Educational device. L. R. Posey. 2,188,723; Jan. 30.
Electric precipitator. H. A. Wintermute. 2,188,695; Jan. 30.
Electric resistance element. C. G. Bieber. 2,188,390; Jan. 30.
Electrical ignition systems of internal combustion engines, Testing. F. R. F. Ramsay. 2,188,845; Jan. 30.
Electrical switch. P. N. Roseby. 2,188,519; Jan. 30.
Electrode. W. H. Welch. 2,188,771; Jan. 30.
Electron multiplier. A. A. Linsell. 2,188,410; Jan. 30.
Electronic device. M. Knoll. 2,188,661; Jan. 30.
Electronic oscillation generator. C. L. Faudell and E. L. C. White. 2,188,653; Jan. 30.
Engine: *See*—
Carding engine.
Internal combustion engine.
Engine and cooling system, Combined internal combustion. U. Sauer. 2,188,444; Jan. 30.
Engine and cylinder head for same, Cooling internal combustion. E. G. Fahlman. 2,188,876; Jan. 30.
Ensilage cutter. J. B. Alfs. 2,188,522; Jan. 30.
Envelope, Expansion. J. G. Swab. 2,188,730; Jan. 30.

Escalator cover. W. L. Kavanagh and M. L. Cornell. 2,188,509; Jan. 30.
Evaporator for refrigeration systems. J. Heinrich. 2,188,475; Jan. 30.
Extensions from pipe lines, Making lateral. T. A. Larry and E. E. Cline. 2,188,607; Jan. 30.
Fabric: *See*—
Lace fabric.
Fabric stretching and straightening apparatus. P. A. Sperry. 2,188,665; Jan. 30.
Fastener: *See*—
Loop fastener.
Fastener. A. Boenecke. 2,188,620; Jan. 30.
Fastening device. J. H. King and R. R. Wotring. 2,188,552; Jan. 30.
Faucet. A. L. Voight. 2,188,783; Jan. 30.
Feeding mechanism. H. E. Dickerman. 2,188,473; Jan. 30.
Feeding mechanism. D. G. Meikle. 2,188,462; Jan. 30.
Felt, Making. P. Drewsen. 2,188,533; Jan. 30.
Felted product and method and machine for making the same. G. T. Pearce. 2,188,373; Jan. 30.
Fence, Wire. W. H. Sommer. 2,188,869; Jan. 30.
Fifth wheel. H. A. Soulis. 2,188,727; Jan. 30.
Flie, Plan. C. B. Ulrich. 2,188,669; Jan. 30.
Filler and making same. H. E. Bode. 2,188,494; Jan. 30.
Film, Apparatus for dispensing photographic ribbon. H. Small. 2,188,377; Jan. 30.
Film magazine. I. N. Odell and F. M. Bailey. 2,188,690; Jan. 30.
Film roll for cameras, Self-sealing. B. C. Roehrl. 2,188,779; Jan. 30.
Filter: *See*—
Oil filter. Rotary filter.
Filter. H. Laderer. 2,188,643; Jan. 30.
Filter and making the same. L. H. Talmadge. 2,188,488; Jan. 30.
Filter for filtering liquids. M. Bonotto. 2,188,673; Jan. 30.
Fire quenching and minimizing apparatus, Film. G. W. Hanlon. 2,188,657; Jan. 30.
Fish lure and determining the proper coloring thereof. P. J. Jennings. 2,188,753; Jan. 30.
Fitting for thermometer bulbs, Sanitary. A. Noble. 2,188,515; Jan. 30.
Flask, Dental. O. C. Malsch. 2,188,415; Jan. 30.
Fluid dispensing device. C. A. Harris. 2,188,507; Jan. 30.
Fluid distributing device. J. G. Méjean. 2,188,609; Jan. 30.
Fluid handling apparatus. C. R. Houghton. 2,188,752; Jan. 30.
Fluid mixtures, Desiccating. J. M. Hall. 2,188,506; Jan. 30.
Fluid motor. H. A. J. Thiesen. 2,188,546; Jan. 30.
Food cabinet. M. K. Davis. 2,188,708; Jan. 30.
Food composition. T. J. Otterbacher. 2,188,481; Jan. 30.
Frame: *See*—
Ring spinning frame.
Frame for spinning fibers of various staple dimensions, Passage type drawing. H. Kluftinger. 2,188,408; Jan. 30.
Frequency modulated waves, Transmission and reception of. H. Nyquist. 2,188,758; Jan. 30.
Furnace: *See*—
Metal melting furnace.
Fuel injection pump. H. C. Edwards. 2,188,859; Jan. 30.
Furnace control system. M. J. Maynard. 2,188,865; Jan. 30.
Fuse and indicator, Electric. W. K. Rankin. 2,188,816; Jan. 30.
Game and game board. K. L. Murray. 2,188,480; Jan. 30.
Game board. C. V. Vlaun. 2,188,825; Jan. 30.
Gasket. R. C. Murphy. 2,188,815; Jan. 30.
Gear for dough rounders or the like, Variable orbital drive. O. Florian. 2,188,501; Jan. 30.
Generator: *See*—
Electronic oscillation generator. Impulse generator.
Gin, Huller type cotton. J. J. Wallace. 2,188,826; Jan. 30.
Glass, Laminated safety. J. D. Ryan and G. B. Watkins. 2,188,395; Jan. 30.
Governor. C. C. Taylor. 2,188,559; Jan. 30.
Governor, Engine throttle. E. M. Claytor. 2,188,704; Jan. 30.
Grading scale. G. W. Leighton. 2,188,511; Jan. 30.
Grease and making the same. S. E. Jolly and W. M. McKee. 2,188,863; Jan. 30.
Grease and making the same. S. E. Jolly. 2,188,864; Jan. 30.
Grinding machine. R. H. Cramer and P. H. Hutchinson. 2,188,675; Jan. 30.fl
Grinding tool. L. B. Lent and J. D. Gamble. 2,188,365; Jan. 30.
Guard, Infant's hand. J. Keener. 2,188,787; Jan. 30.
Gyroscopic apparatus for determining the inclination of an airplane. P. E. Koster. 2,188,606; Jan. 30.
Hair waving appliance. F. W. Koehler. 2,188,360; Jan. 30.
Hamburger shaping device. C. D. Newland. 2,188,842; Jan. 30.
Hardware for cedar chests and the like. E. C. Crocker. 2,188,707; Jan. 30.
Harness for bedclothes. M. E. Mulloy. 2,188,576; Jan. 30.
Harvester, Tractor driven bean. G. H. Self. 2,188,614; Jan. 30.
Harvesting device. H. Demory. 2,188,768; Jan. 30.
Heater and defroster, Automobile. V. J. Butterfield. 2,188,388; Jan. 30.
Heat-treating device. T. J. Newbold. 2,188,793; Jan. 30.
Herbicide, Selective. T. S. Carswell. 2,188,734; Jan. 30.
Hinge. R. S. Wagner. 2,188,670; Jan. 30.
Holder: *See*—
Die and die holder. Tool holder.
Pie plate holder.
Holder for buckets. H. B. Spencer. 2,188,728; Jan. 30.
Hormone, Production of the male sexual. A. Butenandt. 2,188,881; Jan. 30.
Horoscope unit for dispensing machines. V. F. Slezak. 2,188,615; Jan. 30.
Hydrocarbons, Conversion of. H. V. Atwell. 2,188,638; Jan. 30.
Hydrocarbons, Treatment of. W. E. Kuhn. 2,188,363; Jan. 30.
Hydrometallurgical process. T. A. Campbell. 2,188,472; Jan. 30.
Impulse generator. L. E. Norton. 2,188,611; Jan. 30.
Impulse repeater, Mechanical. J. W. McClew and C. R. Woodland. 2,188,461; Jan. 30.
Indicating device. F. H. Willemain. 2,188,466; Jan. 30.
Ink, Synthetic rubber. A. B. Pöschel. 2,188,867; Jan. 30.
Inkwell, Fountain. B. M. Morris. 2,188,828; Jan. 30.
Insect exterminator. J. L. Zalesky. 2,188,618; Jan. 30.
Internal combustion engine. F. P. Grahman. 2,188,630; Jan. 30.
Internal combustion engine. J. J. McCarthy. 2,188,368; Jan. 30.
Ironer, Wringer post. G. W. Dunham. 2,188,810; Jan. 30.
Ironing machine. C. A. Lindemann. 2,188,791; Jan. 30.
Jack: *See*—
Automobile jack. Lifting jack.
Joint: *See*—
Pipe joint.
Ketone with hydrogen cyanide and products thereby obtained, Reacting methyl vinyl. H. B. Dykstra. 2,188,340; Jan. 30.
Key ring construction. G. A. Loercher. 2,188,367; Jan. 30.
Key, Typewriting machine. C. F. Brown. 2,188,385; Jan. 30.
Keyway and gear cutting attachment for lathes. T. E. Smith. 2,188,447; Jan. 30.
Kiln. J. T. Littleton, H. R. Lillie, and W. W. Shaver. 2,188,608; Jan. 30.
Knitting. J. L. Getaz 2,188,295; Jan. 30.
Knitting machines, Fabric winding-down or drawing-off mechanism for. A. W. Kent and H. H. Holmes. 2,188,459; Jan. 30.
Lace fabric. R. Block and J. H. Worrall. 2,188,640; Jan. 30.
Laminating. J. F. McWhorter and H. D. Geyer. 2,188,721; Jan. 30.
Lamp. J. W. Daehler. 2,188,623; Jan. 30.
Landing and launching device, Marine craft. V. Marianno. 2,188,554; Jan. 30.
Last, Hinged. A. W. McNeill. 2,188,414; Jan. 30.
Latch and lock mechanism for lockers, etc. E. M. Burke. 2,188,703; Jan. 30.
Latch and safety catch mechanism for lid type automobile hoods, Dash-operated. A. Claud-Mantle. 2,188,336; Jan. 30.
Latch and safety catch mechanism for lid type automobile hoods. A. Claud-Mantle. 2,188,335; Jan. 30.
Latch hinge construction. O. Mueller. 2,188,393; Jan. 30.
Latch, safety catch, and lifting mechanism for lid type automobile hoods. A. Claud-Mantle. 2,188,333–4; Jan. 30.
Latch with push-button release, Automatic. H. B. Keats. 2,188,642; Jan. 30.
Latex and product thereof, Compounding. H. F. Jordan. 2,188,736; Jan. 30.
Lathe. B. E. Cummings. 2,188,832; Jan. 30.
Leaks in pipe lines, Stopping. G. H. Pfefferle. 2,188,302; Jan. 30.
Leather and other sheet materials, Ornamental. A. Wertheim. 2,188,491; Jan. 30.
Leather dyed with monoazo dyestuffs. E. Fellmer, G. Mauthe, and H. Noerr. 2,188,774; Jan. 30.
Lens groover, Optical. A. F. Williams. 2,188,585; Jan. 30.
Lens mounting. W. R. Uhlemann. 2,188,380; Jan. 30.
Leuco sulphuri acid esters of alkyl ethers of Bz-2, Bz-2'-dihydroxy benzanthrone, Manufacture of. O. Stallmann. 2,188,320; Jan. 30.
Lifter and balancer, Load. J. P. Lannen. 2,188,364; Jan. 30.
Lifting jack. L. B. Kimbrell. 2,188,838; Jan. 30.
Light device. H. H. Root and K. Rau. 2,188,797; Jan. 30.
Link chain. E. A. Dennison. 2,188,833; Jan. 30.
Loading and transporting apparatus. F. G. Sanchez. 2,188,374; Jan. 30.

Lock attachment, Door. J. Domingues. 2,188,532; Jan. 30.
Lock for propelling machinery. G. Y. Anderson, Jr., T. Davidson, and B. L. Lonngren. 2,188,328; Jan. 30.
Locomotive. W. A. Giger. 2,188,749; Jan. 30.
Locomotive, Condensing steam. C. A. and E. L. Schellens. 2,188,315; Jan. 30.
Loop fastener. F. Durney. 2,188,534; Jan. 30.
Loudspeaker and the like. R. R. Glen. 2,188,655; Jan. 30.
Luminous sign. K. G. Hengel. 2,188,404; Jan. 30.
Machine for cleaning furs. N. V. Hagopian. 2,188,684; Jan. 30.
Machine for forming end loops on helical springs. F. L. Cook. 2,188,705; Jan. 30.
Machine for forming springs. F. J. Horton. 2,188,406–7; Jan. 30.
Magnet electroresponsive device, High speed permanent. E. W. Boehne. 2,188,803; Jan. 30.
Magnetic recording. G. R. Clark. 2,188,650; Jan. 30.
Magnetic separation, Apparatus for. C. Q. Payne. 2,188,516; Jan. 30.
Magnetic separator. C. Q. Payne. 2,188,517; Jan. 30.
Manifold forms in registration, Maintaining. J. B. Fulk. 2,188,347; Jan. 30.
Map roller attachment, Automobile visor. W. M. Owen and E. M. Dearman. 2,188,612; Jan. 30.
Material handling mechanism. N. D. Levin. 2,188,790; Jan. 30.
Material having crystalline effects, Sheet. J. H. Brown. 2,188,386–7; Jan. 30.
Material, Noncarbonizing arc resistant. E. F. Seaman. 2,188,317; Jan. 30.
Mats, Manufacture of vehicle floor. W. E. England. 2,188,342; Jan. 30.
Measuring instrument. E. Freystedt. 2,188,628; Jan. 30.
Menu course selector. S. W. H. Turner. 2,188,744; Jan. 30.
Merchandise display structure. G. A. Clicquennoi. 2,188,674; Jan. 30.
Metal amine salts, Producing complex. F. C. Bersworth. 2,188,746; Jan. 30.
Metal melting furnace, Universal. W. A. Huber. 2,188,539; Jan. 30.
Metal structure, Fabricated. W. W. Smith. 2,188,448; Jan. 30.
Meter: *See*—
Power-factor meter.
Milk cooler. R. Markley, Jr., and W. A. Cook. 2,188,839; Jan. 30.
Milling cutter. O. Severson. 2,188,743; Jan. 30.
Mine car wheel. W. D. Hockensmith, Jr. 2,188,786; Jan. 30.
Mine trap door, Automatic. E. L. Tucker. 2,188,694; Jan. 30.
Mixtures containing vinyl aromatic hydrocarbons, Distilling. R. R. Dreisbach and J. E. Pierce. 2,188,772; Jan. 30.
Mixtures of hydrocarbons, Separation of. M. A. Dietrich. 2,188,531; Jan. 30.
Moistening device. R. C. Goettsche. 2,188,296; Jan. 30.
Molding and wrapping apparatus. H. E. Gregory, R. Turner, A. A. Henkel, and H. Thürlings. 2,188,637; Jan. 30.
Mop cleaner. J. A. Jones. 2,188,717; Jan. 30.
Motion transmitting means. R. Lapsley. 2,188,510; Jan. 30.
Motor: *See*—
Fluid motor.
Motor mounting, Resilient. J. A. Castricone. 2,188,807; Jan. 30.
Mounting: *See*—
Lens mounting. Spectacle mounting.
Motor mounting.
Mounting for power tool. T. L. Hedgpeth. 2,188,595; Jan. 30.
Music stand. G. E. Hall. 2,188,602; Jan. 30.
N-substituted sulphamate. H. S. Holt. 2,188,351; Jan. 30.
Neckties or similar articles, Stitching. R., V., and H. Naftali. 2,188,301; Jan. 30.
Needle, Knitting. H. E. Stallman. 2,188,823; Jan. 30.
Nitrocellulose composition of reduced inflammability. H. J. Tattersall. 2,188,322; Jan. 30.
Numbering device for photographic films. G. D. Pappajion. 2,188,843; Jan. 30.
Oil burner. A. W. Richardson. 2,188,577; Jan. 30.
Oil dilution system. W. Worth. 2,188,801; Jan. 30.
Oil filter. P. H. Wagner. 2,188,745; Jan. 30.
Oil from subterranean oil pockets, Apparatus for recovering. H. W. Hixon. 2,188,737; Jan. 30.
Oil or dust flinger for bearings. W. J. Chlevitz. 2,188,856; Jan. 30.
Oil, Treatment of. H. J. Robertson. 2,188,770; Jan. 30.
Oils, Conversion of hydrocarbon. L. C. Rubin. 2,188,312; Jan. 30.
Oily dispersion material. E. T. Clocker. 2,188,887; Jan. 30.
Olefinic condensation product combined with a phenol and method. E. T. Clocker. 2,188,890; Jan. 30.
Olefins, Polymerization of. M. W. Perrin, J. G. Paton, and E. G. Williams. 2,188,465; Jan. 30.
Opener, Container. J. M. Hothersall. 2,188,352; Jan. 30.
Ore reducing and digesting process. R. K. Moreland. 2,188,305; Jan. 30.
Ornamentations on furs, Changing surface. H. A. Kusikoff. 2,188,601; Jan. 30.
Overflush mechanism for toilets. S. M. Moriya. 2,188,610; Jan. 30.
Overshoe. L. Hamalainen. 2,188,603; Jan. 30.
Overshoe. L. H. L'Hollier. 2,188,440; Jan. 30.
Packages, Method and device for wrapping. O. E. Hacker. 2,188,750; Jan. 30.
Packing, Valve stem. N. L. Mochel. 2,188,664; Jan. 30.
Pad and supporter, Protector. G. H. Jung. 2,188,718; Jan. 30.
Paddle, One-hand. A. F. Flournoy. 2,188,343; Jan. 30.
Pan set construction, Baking. J. G. Jackson and J. Kollman. 2,188,550; Jan. 30.
Panel. E. T. Todd. 2,188,560; Jan. 30.
Paper making machine, Cylinder. G. M. Peterson. 2,188,484; Jan. 30.
Particles from gases, Removal of foreign. G. M. Kirkpatrick. 2,188,439; Jan. 30.
Patterns, Method of and apparatus for making. E. L. Emmons. 2,188,502; Jan. 30.
Pen, Fountain. D. J. La France. 2,188,662; Jan. 30.
Photographic enlarging apparatus. I. A. Cantor. 2,188,622; Jan. 30.
Photographic objective. L. Bertele. 2,188,523; Jan. 30.
Pie plate holder, Multiple. D. W. Smith. 2,188,558; Jan. 30.
Pillow. K. L. Wade. 2,188,421; Jan. 30.
Pipe: *See*—
Tobacco pipe.
Pipe joint. F. C. Scheffauer. 2,188,314; Jan. 30.
Pipe line identification device. J. A. Giovanini and P. J. Wallace. 2,188,710; Jan. 30.
Piston rod testing apparatus. T. V. Buckwalter. 2,188,853; Jan. 30.
Pitch propeller, Fluid pressure operated variable. R. J. Ruths and H. L. Dodson. 2,188,313; Jan. 30.
Plant box. C. Ellis. 2,188,875; Jan. 30.
Platform for servicing airplane engines, Folding. W. S. Diehl. 2,188,388; Jan. 30.
Platinum alloy for contacting molten glass. M. B. Vilensky. 2,188,636; Jan. 30.
Plow. J. M. Markel. 2,188,413; Jan. 30.
Plug and receptacle therefor, Electric iron. J. P. Walpole. 2,188,617; Jan. 30.
Pocketknife. G. Schrade. 2,188,762; Jan. 30.
Polymerization products of vinyl ethers, Production of W. Reppe and E. Kuehn. 2,188,778; Jan. 30.
Polyvinyl halide products, Preparing. W. L. Semon. 2,188,396; Jan. 30.
Potentiometer. W. J. Clark, C. H. Bosanquet, R. A. Bell, and R. Matthews. 2,188,630; Jan. 30.
Powder dispenser. L. M. Eudaily. 2,188,627; Jan. 30.
Power-factor meter. W. D. Hall. 2,188,785; Jan. 30.
Preservative composition and products derived therefrom. C. M. Albion. 2,188,468; Jan. 30.
Presses in the manufacture of cable sheaths, Filling lead. C. A. Piercy. 2,188,794; Jan. 30.
Pretzel machine. V. A. von Haase. 2,188,799; Jan. 30.
Primer. C. E. Richardson. 2,188,760; Jan. 30.
Processing machine. L. R. Thomas. 2,188,782; Jan. 30.
Products with liquid agents, Impregnating. C. J. Merriam. 2,188,371; Jan. 30.
Protective means for electric circuit. G. Müller. 2,188,792; Jan. 30.
Pulverizing and separating machine. G. H. Fraser. 2,188,346; Jan. 30.
Pump: *See*—
Fuel injection pump.
Pump assembly. R. Bunch. 2,188,646; Jan. 30.
Pump device. G. R. Ericson. 2,188,503; Jan. 30.
Pump or motor. F. Burghauser. 2,188,702; Jan. 30.
Pump output regulator. J. Mercier. 2,188,463; Jan. 30.
Pump trap. C. E. Black. 2,188,425; Jan. 30.
Punch or tool holding apparatus. B. C. Rost. 2,188,633; Jan. 30.
Rack: *See*—
Car floor rack.
Rack for refrigerator cars, Floor. C. D. Bonsall. 2,188,852; Jan. 30.
Radiator, valve, and trap. E. W. Goodwin. 2,188,836; Jan. 30.
Radio compass system. F. E. Nickel. 2,188,556; Jan. 30.
Radio receiving apparatus. I. N. Vorie. 2,188,490; Jan. 30.
Rail leveling mechanism for planers and the like. J. E. Doran. 2,188,568; Jan. 30.
Ratchet device. T. O. Rueb. 2,188,846; Jan. 30.
Reamer. J. J. Tyne. 2,188,584; Jan. 30.
Reamer attachment. A. Dantry. 2,188,624; Jan. 30.
Receptacle: *See*—
Condolence receptacle.
Reciprocating mechanism. W. J. Parks. 2,188,482; Jan. 30.
Record and method and apparatus for making same, Sound disk. L. Dewan. 2,188,337; Jan. 30.
Record and making the same. S. E. Adair. 2,188,384; Jan. 30.
Rectifying circuit, Alternating current. N. C. Hugus. 2,188,436; Jan. 30.

Refrigerated liquid dispenser. L. C. Love. 2,188,574; Jan. 30.
Refrigerating apparatus. R. E. Holmes. 2,188,350; Jan. 30.
Refrigerating apparatus. A. D. Karr. 2,188,540; Jan. 30.
Refrigerating apparatus. L. A. Philipp. 2,188,893; Jan. 30.
Refrigeration. D. B. Knight. 2,188,476; Jan. 30.
Refrigeration. F. B. Parker. 2,188,372; Jan. 30.
Refrigeration test method. C. E. Roberts. 2,188,303; Jan. 30.
Refrigeration unit, Hold-over. F. J. Heideman. 2,188,349; Jan. 30.
Registering device for strip material. W. C. Broekhuysen, 2,188,871; Jan. 30.
Refrigerator, Automatically humidified and ventilated. H. J. Burden. 2,188,526; Jan. 30.
Regulator: *See*—
Pump output regulator.
Resins and the preparation thereof, Polyvinyl acetal. C. R. Fordyce. 2,188,344; Jan. 30.
Resistance and impedance measuring device. H. Antranikian. 2,188,588; Jan. 30.
Resistor and making the same. E. R. Stoekle and G. M. Ehlers. 2,188,667; Jan. 30.
Rest for firearms, Cheek. J. R. Rigandi. 2,188,691; Jan. 30.
Ring spinning frame. J. S. Sio. 2,188,376; Jan. 30.
Rod: *See*—
Curtain rod.
Rodent or animal trap. T. E. Woodroffe. 2,188,696; Jan. 30.
Rotary filter, Horizontal. J. B. McCue. 2,188,840; Jan. 30.
Rubber to metal, Adhering. H. W. Grinter. 2,188,434; Jan. 30.
Rubber transfer or decalcomania. A. B. Pöschel. 2,188,866; Jan. 30.
Rubber vulcanization. W. L. Semon. 2,188,420; Jan. 30.
Running board for railroad cars. G. A. Steuber. 2,188,729; Jan. 30.
Safety device for electrically controlled apparatus. I. E. McCabe. 2,188,555; Jan. 30.
Sand and like materials, Apparatus for conditioning. B. A. Smith. 2,188,798; Jan. 30.
Sash and store front construction. C. D. Lowry. 2,188,412; Jan. 30.
Saw, Composing room. F. W. Seybold. 2,188,446; Jan. 30.
Saw machine base. C. H. Bradfield. 2,188,827; Jan. 30.
Screen: *See*—
Chronograph screen.
Seal for evacuated devices. W. J. Hitchcock. 2,188,298; Jan. 30.
Seal, Journal box. M. Keys. 2,188,541; Jan. 30.
Seal, Oil. W. J. Chievitz. 218,854–5; Jan. 30.
Seal, Oil. W. J. Chievitz. 218,857–8; Jan. 30.
Seal, Shaft. F. T. Grothouse. 2,188,784; Jan. 30.
Seal, Watch crown. G. E. Mack. 2,188,688; Jan. 30.
Separator: *See*—
Air and other separator. Air separator.
Air or current separator. Magnetic separator.
Air or other current separator.
Sewage sludge and the like, Apparatus for and method of treating. P. B. Streander. 2,188,847; Jan. 30.
Sewing machines, Lubricating means for. O. R. Haas. 2,188,683; Jan. 30.
Sheet for tacky rubber and making same, Paper carrier. G. W. Coggeshall. 2,188,331; Jan. 30.
Shims and shim stock, Heat treating brass. E. L. Young. 2,188,765; Jan. 30.
Shingle for roofs and walls, Ornamental sheet metal. L. I. Braddock. 2,188,454; Jan. 30.
Shoes, Making. F. Maiellano. 2,188,512; Jan. 30.
Shoelace. D. B. McDonald. 2,188,841; Jan. 30.
Shutter on Venetian blinds, Ventilating. N. Nishlenick. 2,188,300; Jan. 30.
Sickle holding and sharpening machine. H. T. Waddill. 2,188,616; Jan. 30.
Sign: *See*—
Luminous sign.
Sign construction. L. W. Joyce. 2,188,437; Jan. 30.
Signal: *See*—
Stop signal. Traffic signal.
Signal distribution, Staggered frequency. R. C. Curtis. 2,188,499; Jan. 30.
Signaling system, Electrical high frequency. E. C. Cork and J. L. Pawsey. 2,188,389; Jan. 30.
Signal-translating stage, High frequency. R. L. Freeman. 2,188,504; Jan. 30.
Signal-translating system. L. M. Hershey. 2,188,658; Jan 30.
Signaling system for vehicles. C. E. Bartens. 2,188,451; Jan. 30.
Silicon carbide resistors, Manufacture of. A. J. Thompson. 2,188,693; Jan. 30.
Ski construction. W. F. Serr. 2,188,582; Jan. 30.
Snap switch. R. F. Sambleson and G. R. Brown. 2,188,780; Jan. 30.
Snow plow. O. H. Borgeson. 2,188,805; Jan. 30.
Snow plow, Double duty. A. O. Williamson. 2,188,800; Jan. 30.
Sound, Method and apparatus for recording and reproducing. P. Lohn. 2,188,687; Jan. 30.
Spectacle mounting. P. Messinger. 2,188,518; Jan. 30.
Spray apparatus. F. F. Lindstaedt. 2,188,366; Jan. 30.
Spray device, Self-cleaning hydraulic. E. B. Hudson. 2,188,354; Jan. 30.
Spreader, Paving material. V. Lathrop. 2,188,553; Jan. 30.
Spring: *See*—
Vehicle spring.
Stacker and loader. Combination buck. P. Reinert. 2,188,724; Jan. 30.
Stand: *See*—
Music stand.
Stars and manufacture, Sheet of. C. S. Price. 2,188,310; Jan. 30.
Station indicating device. K. J. Brunov. 2,188,621; Jan. 30.
Steels of high purity, Rapidly obtaining. R. Perrin. 2,188,416; Jan. 30.
Stereotype matrices, Method of and machine for conditioning. G. M. Clark. 2,188,528; Jan. 30.
Sterine derivatives having the character of the sexual hormones and preparing them. M. Bockmühl, G. Ehrhart, and H. Ruschig. 2,188,330; Jan. 30.
Stick, Protecting. C. S. and R. S. Richards. 2,188,796; Jan. 30.
Stone cutter. T. Siderits. 2,188,318; Jan. 30.
Stop signal. C. E. Gaynon. 2,188,835; Jan. 30.
Strainer and making the same. W. R. Becher. 2,188,493; Jan. 30.
Strainer, Sink. E. M. Reedy. 2,188,613; Jan. 30.
Stress indicating washer. H. S. Jeans and K. D. Williams. 2,188,356; Jan. 30.
Subframe member for velocipedes. B. J. Anderson. 2,188,561; Jan. 30.
Suction cleaner. G. P. Daiger. 2,188,390; Jan. 30.
Suction cleaner. C. H. Taylor. 2,188,379; Jan. 30.
Suction cleaner. H. B. White. 2,188,381; Jan. 30.
Support: *See*—
Cover support.
Support and spacer for concrete reinforcements. W. P. Awbrey. 2,188,424; Jan. 30.
Support for beaters or mixers. E. C. Brullhardt. 2,188,701; Jan. 30.
Suspension for car wheels. E. Favary. 2,188,654; Jan. 30.
Suspension unit for chair backs. W. F. Herold. 2,188,605; Jan. 30.
Switch: *See*—
Delayed action switch. Snap switch.
Electrical switch.
Switch. J. Riggs. 2,188,725; Jan. 30.
Switching mechanism. A. L. Judson and C. G. Kronmiller. 2,188,438; Jan. 30.
Switching mechanism. G. C. Van Dusen, Jr. 2,188,635; Jan. 30.
Symbol display device. W. S. Pearson. 2,188,518; Jan. 30.
Tank: *See*—
Butane tank.
Tape manufacture, Gummed. H. P. and J. V. Bauer and D. M. Hawley. 2,188,329; Jan. 30.
Tar and the production thereof, Modified coal. J. E. Lynn. 2,188,478; Jan. 30.
Telephone system. E. Wochinger. 2,188,467; Jan. 30.
Telephone system, Measured service. E. Feist and R. Nebelung. 2,188,535; Jan. 30.
Telephone system, Party line. E. Wochinger. 2,188,520; Jan. 30.
Television and like system. G. Dovaston and G. E. G. Graham. 2,188,679; Jan. 30.
Temperature control system. G. A. Churchill. 2,188,808; Jan. 30.
Temperature control system. J. P. Kriechbaum. 2,188,877; Jan. 30.
Temperature control system, Zone. J. S. Locke. 2,188,775; Jan. 30.
Terminal block. D. G. Kimball. 2,188,789; Jan. 30.
Terpene derivatives. Production of. J. N. Borglin. 2,188,495; Jan. 30.
Thermostatic control apparatus. J. M. Larson. 2,188,542; Jan. 30.
Thread store device. W. F. Knebusch. 2,188,359; Jan. 30.
Thread winding mechanism. L. E. Lovett. 2,188,814; Jan. 30.
Threads, Indicating defects in. E. A. Keeler. 2,188,754; Jan. 30.
Tie-spacing device. D. Rich. 2,188,819; Jan. 30.
Tile, Apparatus for molding. A. E. Rose. 2,188,726; Jan. 30.
Timing means. A. J. Allen. 2,188,469; Jan. 30.
Toaster. W. A. Pentecost. 2,188,309; Jan. 30.
Tobacco pipe. L. Goldvogel and G. St. John. 2,188,712; Jan. 30.
Tobacco pipe. W. W. Hesson. 2,188,751; Jan. 30.
Tobacco, Preparing shredded. M. Patterson. 2,188,307; Jan. 30;
Tool: *See*—
Abrading tool. Grinding tool.
Tool holder. O. Severson. 2,188,742; Jan. 30.
Toothpick dispenser. Sanitary. N. Surdenik. 2,188,304; Jan. 30.

Top spinning device. E. B. Thigpen. 2,188,824; Jan. 30.
Topping. G. H. Dietrich, A. Verbeek, and E. Eissner. 2,188,678; Jan. 30.
Torch, Flame hardening. G. L. Walker. 2,188,637; Jan. 30.
Towel dispensing apparatus. R. C. Kettles, Jr. 2,188,660; Jan. 30.
Toy, Garage and vehicle. H. Müller. 2,188,739; Jan. 30.
Track-aligning device. D. Rich. 2,188,818; Jan. 30.
Track, Electrical race. M. R. Bernhardt. 2,188,619; Jan. 30.
Track structure. J. N. Tyler. 2,188,894; Jan. 30.
Traffic control system. H. A. Haugh, Jr. 2,188,348; Jan. 30.
Traffic control system. G. W. Thompson and A. P. B. Renshaw. 2,188,731; Jan. 30.
Traffic signal. B. C. Hammond. 2,188,604; Jan. 30.
Trailer. L. Smelker. 2,188,545; Jan. 30.
Transfer sheet, Nonsmudging. J. Bjorksten and W. J. Champion. 2,188,590; Jan. 30.
Transmission mechanism for automobiles and the like, Variable speed. F. D. Frisby. 2,188,403; Jan. 30.
Trap: *See*—
Animal trap. Rodent or animal trap.
Pump trap.
Tray for the germination of seeds. W. A. Lewis and V. de C. Dashwood. 2,188,880; Jan. 30.
Tray, Freezing. C. Steenstrup. 2,188,781; Jan. 30.
Tree, Artificial. A. Corina. 2,188,529; Jan. 30.
Trepanning drill. C. E. Kraus. 2,188,631; Jan. 30.
Tripod. F. Moore. 2,188,514; Jan. 30.
Truck, Spring plankless. R. B. Cottrell. 2,188,641; Jan. 30.
Tube: *See*—
Cathode ray tube.
Tube, more particularly for television purposes, Cathode ray. K. Schlesinger. 2,188,579; Jan. 30.
Union. H. C. Otis. 2,188,537; Jan. 30.
Utensil, Cooking. S. V. Anzalone. 2,188,563; Jan. 30.
Utensil, Coring. J. E. Krilow. 2,188,362; Jan. 30.
Vacuum cleaner. D. M. Dow. 2,188,809; Jan. 30.
Valve: *See*—
Air valve. Blow-off valve.
Valve. R. H. Zinkil, E. A. Fredrickson, and J. M. Kovarik, Jr. 2,188,850; Jan. 30.
Valve core, container, and stem. H. Z. Gora. 2,188,713; Jan. 30.
Valve gear bearing, Locomotive. O. J. Horger. 2,188,862; Jan. 30.
Vault, Burial. R. J. Elledge. 2,188,626; Jan. 30.
Vault, Grave. F. Biszantz. 2,188,525; Jan. 30.
Valve mechanism for water closets. E. G. Giansetto. 2,188,457; Jan. 30.
Vehicle. F. Biszantz. 2,188,548; Jan. 30.
Vehicle rocking device. W. A. Swan. 2,188,763; Jan. 30.
Vehicle spring. F. W. Marco. 2,188,689; Jan. 30.
Vehicle underframe construction. J. Ledwinka. 2,188,879; Jan. 30.
Ventilator, Direct pressure. P. W. Barron. 2,188,699; Jan. 30.
Ventilator, Power-operated. T. L. Roberts. 2,188,741; Jan. 30.
Warp-uniting machine. M. N. Noling. 2,188,394; Jan. 30.
Washer: *See*—
Stress indicating washer.
Water, Apparatus for treating. S. J. Sharp. 2,188,487; Jan. 30.
Wave amplifying system. I. G. Wilson. 2,188,671; Jan. 30.
Wave signal receiver, Remote control. L. F. Curtis and J. F. Farrington. 2,188,498; Jan. 30.
Welding, Electric. J. F. Windsor and C. Mark, Jr. 2,188,326; Jan. 30.
Well spudding apparatus. H. W. Cardwell. 2,188,455; Jan. 30.
Wells, Flowing. F. A. Thaheld. 2,188,668; Jan. 30.
Wells, Means for flowing. S. A. Guiberson, III. 2,188,656; Jan. 30.
Wheel: *See*—
Buffing wheel. Mine car wheel.
Fifth wheel.
Wheels, Forming vehicle. F. H. Le Jeune. 2,188,477; Jan. 30.
Wheels, Treating metal. L. E. Endsley. 2,188,569; Jan. 30.
Wire fabric machine. W. A. Kilmer. 2,188,358; Jan. 30.
Wire line pipe cutter. E. K. Lane. 2,188,409; Jan. 30.
Wire stringing block. C. B. Ingram. 2,188,715; Jan. 30.
Work holding device. K. P. Friese. 2,188,433; Jan. 30.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 30, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 24: 2,188,718
4— 10: 2,188,562
18: 2,188,610
67: 2,188,457
113: 2,188,544
145: 2,188,593
267: 2,188,615
5— 1: 2,188,552
61: 2,188,592
329: 2,188,576
327: 2,188,421
6— 4: 2,188,719
8— 13: 2,188,774
142: 2,188,353
9— 24: 2,188,343
10— 119: 2,188,788
12— 136: 2,188,414
142: 2,188,512
15— 4: 2,188,694
6: 2,188,717
2,188,800
9: 2,188,379
16: 2,188,381
2,188,390
180: 2,188,449
16— 2: 2,188,696
35: 2,188,648
138: 2,188,393
159: 2,188,670
18— 33: 2,188 415
55: 2,188,396
56: 2,188,342
19— 55: 2,188,826
107: 2,188,458
131: 2,188,408
20— 16: 2,188,694
69: Re.21,337
2,188,815
22— 89: 2,188,798
23— 66: 2,188,663
114: 2,188,351
132: 2,188,321
166: 2,188,324
24— 18: 2,188,750
95: 2,188,443
102: 2,188,505
143: 2,188,841
201: 2,188,734
25— 42: 2,188,726
26— 66: 2,188,665
27— 25: 2,188,524
2,188,525
28— 49: 2,188,394
29— 69: 2,188,445
89: 2,188,431
90: 2,188,629
99: 2,188,742
105: 2,188,743
153.1: 2,188,316
155.54: 2,188,422
159.01: 2,188,477
160.5: 2,188,873
30— 22: 2,188,352
25: 2,188,362
160: 2,188,762
32— 27: 2,188,426
33— 174: 2,188,808
204: 2,188,606
34— 17: 2,188,397
35— 31: 2,188,723
36— 7.3: 2,188,440
2,188,803
37— 43: 2,188,800
44: 2,188,805
98: 2,188,892
145: 2,188,435
188: 2,188,672
38— 60: 2,188,791
2,188,810
40— 21: 2,188,710
36: 2,188,733
40— 41: 2,188,621
67: 2,188,744
85: 2,188,612
125: 2,188,466
130: 2,188,404
2,188,618
145: 2,188,437
41— 22: 2,188,491
33: 2,188,866
42— 74: 2,188,691
43— 42: 2,188,705
61: 2,188,652
81: 2,188,297
2,188,696
112: 2,188,618
44— 7.5: 2,188,795
45— 60: 2,188,602
46— 12: 2,188,739
69: 2,188,824
141: 2,188,420
47— 1.2: 2,188,575
2,188,820
60: Pl.Pt.356
Pl.Pt.357
Pl.Pt.358
Pl.Pt.359
Pl.Pt.360
49— 45: 2,188,401
2,188,606
81: 2,188,395
51— 9: 2,188,716
96: 2,188,685
97: 2,188,675
98: 2,188,616
184.3: 2,188,567
186: 2,188,544
193: 2,188,375
209: 2,188,365
241: 2,188,720
260: 2,188,341
53— 1: 2,188,563
5: Re.21,336
2,188,757
2,188,793
6: 2,188,492
2,188,543
2,188,549
2,188,550
56— 25: 2,188,614
60: 2,188,522
208: Re.21,340
327: 2,188,763
57— 110: 2,188,376
58— 95: 2,188,688
126: 2,188,872
59— 35: 2,188,833
60— 13: 2,188,444
54.5: 2,188,698
54.6: 2,188,355
70: 2,188,315
61— 45: 2,188,448
62— 1: 2,188,597
6: 2,188,526
7: 2,188,370
24: 2,188,464
91.5: 2,188,372
101: 2,188,859
108.5: 2,188,781
115: 2,188,350
116: 2,188,803
125: 2,188,476
126: 2,188,475
129: 2,188,811
134: 2,188,349
141: 2,194,574
152: 2,188,540
66— 41: 2,188,295
117: 2,188,823
148: 2,188,678
153: 2,188,490
69— 253: 2,188,812
70— 68: 2,188,620
82: 2,188,703
108: 2,188,532
459: 2,188,367
72— 7: 2,188,626
7.2: 2,188,419
122: 2,188,424
73— 51: 2,188,308
2,188,734
2,188,763
2,188,853
304: 2,188,628
74— 44: 2,188,831
45: 2,188,155
69: 2,188,462
61: 2,188,493
300: 2,188,501
370: 2,188,403
473: 2,188,510
75— 46: 2,188,416
97: 2,188,305
117: 2,188,472
155: 2,188,681
172: 2,188,696
176: 2,188,405
77— 37: 2,188,677
68: 2,188,631
73: 2,188,584
73.5: 2,188,624
82— 40: 2,188,594
83— 10: 2,188,666
45: 2,188,346
84— 376: 2,188,378
85— 9: 2,188,450
40: 2,188,422
87— 9: 2,188,645
2,188,803
2,188,864
88— 23: 2,188,711
24: 2,188,622
47: 2,188,390
2,188,413
57: 2,188,523
90— 11: 2,188,456
15: 2,188,447
24: 2,188,568
91— 2: 2,188,485
38: 2,188,296
51: 2,188,442
54.4: 2,188,796
68: 2,188,329
2,188,331
2,188,332
2,188,707
2,188,894
92— 6: 2,188,533
43: 2,188,494
93— 1: 2,188,572
55.1: 2,188,799
94— 44: 2,188,553
95— 1.1: 2,188,843
2: 2,188,325
2,188,607
9: 2,188,779
44: 2,188,764
53: 2,188,820
72: 2,188,690
90.5: 2,188,299
96— 24: 2,188,640
97— 26: 2,188,413
52: 2,188,644
98— 10: 2,188,496
33: 2,188,566
68: 2,188,709
72: 2,188,741
74: 2,188,699
78: 2,188,564
99— 11: 2,188,319
23: 2,188,489
77.1: Re.21,338
92: 2,188,481
99— 189: 2,188,700
203: 2,188,806
101— 132: 2,188,600
133: 2,188,698
2,188,890
102— 43: 2,188,760
103— 128: 2,188,702
154: 2,188,850
202: 2,188,425
232: 2,188,668
233: 2,188,656
105— 8: 2,188,632
175: 2,188,749
197.2: 2,188,641
375: 2,188,851
2,188,852
2,188,890
457: 2,188,720
106— 32: 2,188,478
107— 1: 2,188,558
4: 2,188,837
8: 2,188,536
14: 2,188,790
15: 2,188,842
20: 2,188,418
108— 17: 2,188,454
2: 2,188,301
112— 2: 2,188,683
114— 43.5: 2,188,554
116— 52: 2,188,835
63: 2,188,604
120— 47: 2,188,662
59: 2,188,826
121— 46: 2,188,364
70: 2,188,752
123— 50: 2,188,366
58: 2,188,630
102: 2,188,704
173: 2,188,876
125— 23: 2,188,318
126— 37: 2,188,596
128— 133: 2,188,787
129— 1: 2,188,680
16: 2,188,690
123: 2,188,307
140: 2,188,371
184: 2,188,712
2,188,751
132— 33: 2,188,360
134— 11: 2,188,494
12: 2,188,468
17.5: 2,188,311
24: 2,188,887
79: 2,188,322
135— 1: 2,188,747
137— 111: 2,188,761
153: 2,188,463
2,188,609
138— 99: 2,188,302
140— 6: 2,188,358
103: 2,188,705
145: 2,188,407
142— 7: 2,188,832
144— 144: 2,188,502
148— 4: 2,188,765
10: 2,188,549
32: 2,188,771
149— 28: 2,188,601
150— 47: 2,188,714
153— 2: 2,188,406
54: 2,188,782
154— 2: 2,188,386
2,188,387
2,188,434
2.6: 2,188,317
27: 2,188,373
40: 2,188,721
155— 161: 2,188,605
184: 2,188,540
156— 17: 2,188,300
2,188,575
156— 17: 2,188,439
19: 2,188,738
158— 28: 2,188,555
2,188,565
2,188,805
35: 2,188,460
86: 2,188,577
164— 0.7: 2,188,409
17: 2,188,310
118: 2,188,633
166— 1: 2,188,737
14: 2,188,557
21: 2,188,589
2,188,767
167— 45: 2,188,734
169— 2: 2,188,657
170— 163: 2,188,313
171— 95: 2,188,570
172— 179: 2,188,804
245: 2,188,785
173— 244: 2,188,755
363: 2,188,530
2,188,799
174— 12: 2,188,417
175— 183: 2,188,598
2,188,830
2,188,845
176— 16: 2,188,298
177— 7: 2,188,704
311: 2,188,511
2,188,617
337: 2,188,451
2,188,731
339: 2,188,348
178— 7.2: 2,188,679
7.7: 2,188,581
179— 1: 2,188,500
2.5: 2,188,508
7.1: 2,188,535
15: 2,188,499
16: 2,188,461
2,188,467
17: 2,188,520
100.1: 2,188,384
100.2: 2,188,650
100.4: 2,188,337
2,188,382
2,188,393
2,188,687
107: 2,188,591
171: 2,188,496
2,188,504
2,188,671
180— 43: 2,188,861
69: 2,188,891
181— 31: 2,188,655
183— 7: 2,188,695
37: 2,188,547
51: 2,188,428
184— 6: 2,188,801
187— 3: 2,188,357
188— 3: 2,188,727
30: 2,188,328
79.5: 2,188,452
81.1: 2,188,521
104: 2,188,398
106: 2,188,453
189— 36: 2,188,445
57: 2,188,509
78: 2,188,411
2,188,412
85: 2,188,527
192— 2: 2,188,766
43.1: 2,188,846
196— 10: 2,188,638
196— 13: 2,188,531
19: 2,188,312
2,188,363
197— 102: 2,188,395
133: 2,188,347
198— 8: 2,188,700
200— 11: 2,188,829
33: 2,188,460
34: 2,188,685
51: 2,188,726
67: 2,188,438
76: 2,188,780
80: 2,188,559
83: 2,188,635
88: 2,188,519
121: 2,188,816
149: 2,188,806
171: 2,188,650
201— 76: 2,188,399
2,188,667
2,188,693
202— 57: 2,188,772
205— 4: 2,188,822
25: 2,188,470
206— 1: 2,188,692
58: 2,188,479
77: 2,188,674
207— 1: 2,188,704
209— 139: 2,188,345
2,188,430
2,188,431
2,188,432
2,188,474
2,188,634
219: 2,188,516
2,188,517
210— 2: 2,188,847
24: 2,188,487
66: 2,188,528
140: 2,188,745
141: 2,188,673
162: 2,188,488
2,188,493
167: 2,188,643
196: 2,188,840
212— 8: 2,188,696
214— 85: 2,188,374
140: 2,188,724
219— 10: 2,188,326
19: 2,188,309
39: 2,188,625
220— 57: 2,188,735
96: 2,188,728
221— 77: 2,188,682
80: 2,188,646
84: 2,188,676
95: 2,188,848
2,188,849
147: 2,188,507
148: 2,188,802
224— 4: 2,188,471
225— 5: 2,188,783
226— 68: 2,188,806
124: 2,188,402
229— 5.5: 2,188,497
8: 2,188,817
15: 2,188,732
68: 2,188,730
2,188,813
235— 144: 2,188,748
236— 1: 2,188,775
62: 2,188,441
68: 2,188,808
238— 10: 2,188,874
240— 2.1: 2,188,821
4.2: 2,188,677
7.1: 2,188,623
10: 2,188,529
13: 2,188,797
242— 35.5: 2,188,914
53: 2,188,359

242— 55: 2,188,377
244— 76: 2,188,834
129: 2,188,338
245— 8: 2,188,869
246— 85: 2,188,756
248— 18: 2,188,907
23: 2,188,827
124: 2,188,595
157: 2,188,701
181: 2,188,514
250— 11: 2,188,556
2,188,649
20: 2,188,490
2,188,498
2,188,658
2,188,758
27: 2,188,580
2,188,647
33: 2,188,389
2,188,427
36: 2,188,611

250— 36: 2,188,653
157: 2,188,579
164: 2,188,661
175: 2,188,410
251— 20: 2,188,850
252— 1: 2,188,439
253— 16.5: 2,188,546
254— 38: 2,188,483
44: 2,188,818
2,188,819
100: 2,188,838
104: 2,188,400
257— 2: 2,188,830
3: 2,188,877
137: 2,188,388
139: Re.21,339
259— 109: 2,188,551
260— 1: 2,188,889
18: 2,188,890
27: 2,188,367
73: 2,188,344

260— 90: 2,188,778
94: 2,188,465
230: 2,188,392
251: 2,188,323
274: 2,188,537
2,188,538
316: 2,188,776
333: 2,188,878
341: 2,188,883
355: 2,188,320
371: 2,188,369
397: 2,188,330
2,188,870
2,188,881
405: 2,188,882
2,188,885
2,188,886
2,188,888
438: 2,188,746
454: 2,188,495
461: 2,188,340

260— 495: 2,188,874
504: 2,188,770
535: 2,188,777
740: 2,188,327
746: 2,188,736
787: 2,188,420
261— 12: 2,188,708
347: 2,188,503
265— 1: 2,188,356
266— 43: 2,188,637
33: 2,188,539
267— 45: 2,188,689
271— 2.5: 2,188,473
2.6: 2,188,871
273— 39: 2,188,825
45: 2,188,740
54: 2,188,627
86: 2,188,619
102.2: 2,188,339
130: 2,188,480
274— 10: 2,188,769

277— 37: 2,188,391
42: 2,188,713
280— 11.13: 2,188,582
53: 2,189,578
104: 2,188,654
109: 2,188,879
291: 2,188,561
281— 19: 2,188,571
25: 2,188,773
282— 28: 2,188,590
283— 1: 2,188,615
284— 17: 2,188,308
285— 54: 2,188,314
163: 2,188,587
177: 2,188,515
286— 5: 2,188,856
7: 2,188,858
11: 2,188,784
33: 2,188,664
288— 3: 2,188,854
19: 2,188,855

288— 19: 2,188,857
292— 181: 2,188,642
214: 2,188,333
2,188,335
2,188,336
223: 2,188,334
296— 26: 2,188,645
37: 2,188,648
297— 8: 2,188,542
299— 50: 2,188,354
84: 2,188,366
308— 21: 2,188,583
50: 2,188,541
110: 2,188,786
184: 2,188,862
240: 2,188,722
312— 60: 2,188,660
63: 2,188,573
84: 2,188,304

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,188,315: 60— 70
2,188,327: 260— 740
2,188,352: 30— 22
2,188,370: 62— 7
2,188,371: 131— 140
2,188,396: 49— 81
2,188,400: 254— 104

2,188,413: 97— 26
2,188,469: 200— 33
2,188,526: 62— 6
2,188,532: 70— 108
2,188,534: 24— 201
2,188,539: 266— 33
2,188,547: 183— 37

2,188,551: 289— 109
2,188,560: 155— 184
2,188,574: 38— 60
2,188,581: 178— 7.7
2,188,585: 51— 96
2,188,587: 285— 163
2,188,605: 155— 161

2,188,616: 51— 98
2,188,631: 77— 68
2,188,632: 105— 8
2,188,665: 26— 66
2,188,690: 98— 74
2,188,700: 99— 189
2,188,701: 248— 157

2,188,723: 35— 31
2,188,739: 46— 12
2,188,747: 135— 1
2,188,759: 93— 55.1
2,188,766: 192— 2
2,188,809: 15— 6
2,188,814: 242— 35.5

2,188,836: 257— 2
2,188,867: 260— 27
2,188,878: 260— 333
2,188,885: 260— 405
2,188,886: 260— 405
2,188,889: 260— 1
2,188,893: 62— 116

U. S. GOVERNMENT PRINTING OFFICE: 1940

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 510—No. 1 TUESDAY, JANUARY 2, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of January 2, 1940	1
Notices of Cancellation	1
Adjudicated Patents	1
Applications Under Examination	2
Decisions of the U. S. Courts—	
Standard Brands, Inc. v. National Grain Yeast Corp.	3
Patent Suits	4
Adverse Decisions in Interference	5
Disclaimers	5
Trade-Marks Published (152 Applications)	7
Trade-Mark Registrations Granted	27
Trade-Mark Registrations Renewed	39
Labels	41
Prints	42
Reissues	43
Patents Granted	44
Designs	240

January 2, 1940

Trade-Marks	272—No.	374,062 to No.	374,333, inclusive.
T. M. Renewals	42		
Labels	32—No.	54,095 to No.	54,126, inclusive.
Prints	16—No.	17,781 to No.	17,796, inclusive.
Reissues	2—No.	21,311 to No.	21,313, inclusive.
Patents	526—No.	2,185,170 to No.	2,185,995, inclusive.
Designs	84—No.	118,358 to No.	118,441, inclusive.
Total	1,275		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 8, 1939.*

Redondo Packing Corp., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Abe Kanner, Los Angeles, Calif., to effect the cancellation of trade-mark registration No. 160,801, issued October 24, 1922, to Redondo Packing Corp., Eighth and Broadway Streets, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Redondo Packing Corp. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Redondo Packing Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Dec. 8, 1939.*

Bobwhite Chemical Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Anton Sales Company, 51–35 Roosevelt Boulevard, Philadelphia, Pa., to effect the cancellation of trade-mark registration No. 156,190, issued June 20, 1922, to Bobwhite Chemical Corporation, 39 Broadway, New York, N. Y., and a notice of such proceeding sent by registered mail to said Bobwhite Chemical Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bobwhite Chemical Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Dec. 14, 1939.*

Rose Chevalier Gostenhofer, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Mary Chess Inc., 305 E. 63rd St., New York, N. Y., to effect the cancellation of trade-mark registration of Rose Chevalier Gostenhofer, 478 Central Park West, New York, N. Y., No. 194,919, dated February 10, 1925, and the notice of such proceeding sent by registered mail to the said Rose Chevalier Gostenhofer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rose Chevalier Gostenhofer, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(D. C. Calif.) Mantz patent, No. 1,898,584, for spring sash balance, claims 1 and 2 *Held* valid but not infringed. *Mantz v. Kersting*, 29 F. Supp. 706.

(D. C. Pa.) Deniau patent, No. 2,015,217, for method based upon the use of vibrations and apparatus therefor, claims 5 and 6 *Held* not infringed. *Mall Tool Co. v. Quaker Vibrators*, 29 F. Supp. 718.

(D. C. N. Y.) Samuels patent, No. 2,095,223, for fan, *Held* valid and infringed. *Samson-United Corporation v. E. A. Laboratories*, 29 F. Supp. 722.

(D. C. Calif.) Mantz patent, No. 2,128,007, for cable securing hook and glider, claim 1 *Held* valid but not infringed. *Mantz v. Kersting*, 29 F. Supp. 706.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the office in separate letters.

Condition of Applications Under Examination at Close of Business December 16, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,809; Trade-Mark Division, 1,245. Oldest new case, May 12, 1939; oldest amended, Apr. 20, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 20	July 24	596
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 23	May 10	826
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 17	Oct. 17	361
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 29	July 26	602
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Sept. 19	Sept. 16	435
4936C	6. LEWERS, A. M., Carbon Chemistry (part)	June 22	June 24	951
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	Aug. 11	906
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 21	July 8	1106
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 15	July 17	721
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 17	Sept. 14	532
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 5	Aug. 21	449
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 14	June 12	477
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 14	July 4	724
5097	14. YUNO KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 16	Oct. 4	432
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 24	June 24	1374
5716	16. SPENCER, C. J., Telegraphy; Telephony	July 17	July 17	718
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 10	Aug. 1	702
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 22	July 31	550
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	Aug. 1	479
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 4	Aug. 11	394
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 15	Aug. 12	521
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	May 26	May 27	1075
7624	23. BUTTNER, W. J., Registers (part)	May 12	Apr. 20	323
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 15	May 15	1374
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 23	Sept. 1	602
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 22	July 19	537
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 7	May 29	1049
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Aug. 2	July 31	463
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 22	June 19	831
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 22	July 18	825
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 16	Aug. 17	918
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Sept. 12	Aug. 22	384
6098	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 2	July 31	988
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept 29	Oct. 11	213
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 31	July 28	741
5896 B	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 19	July 21	619
3094	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 20	July 26	758
4878	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	June 3	June 3	800
7890	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 14	Aug. 16	519
7612	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 2	June 2	1979
5882	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 25	July 29	249
4886 B	42. CUTTING, H. O., Electric Signaling	May 27	May 15	700
4087 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Aug. 16	Aug. 28	556
7093	44. HARVEY, L. P., Refrigeration	July 21	July 10	668
4613	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Sept. 6	Sept. 7	541
6082	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 31	July 31	731
5731	47. LOWE, E. R., Clutches; Brakes	Aug. 26	Sept. 5	580
7725	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 11	Aug. 11	465
4701	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 16	June 16	1008
6628	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 13	July 19	1335
7709	51. BACKUS, C. D., Radiant Energy (part)	Sept. 28	Sept. 29	660
6897	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 12	Aug. 21	692
	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 25	July 28	307
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 12	Sept. 16	338
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 7	July 18	472
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 22	June 22	1264
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	July 22	July 27	456
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 21	Aug. 12	442
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 18	July 17	886
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 12	Aug. 12	407
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	July 24	July 20	605
5621	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 3	Oct. 5	429
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 15	June 15	1020
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Sept. 1	Aug. 31	673
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 15	July 26	820
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Nov. 9	Dec. 1	1164
2606	Designs: H. H. KALUPY	Nov. 28	Dec. 8	81
	Labels and Prints	Nov. 13	Nov. 6	780

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

STANDARD BRANDS, INC.

v.

NATIONAL GRAIN YEAST CORP.

No. 9. Decided November 6, 1939

VALIDITY—PATENTS RELATING TO PROCESSES FOR MANUFACTURING BAKER'S YEAST.

Hayduck Patents Nos. 1,449,103 and 1,449,106 relating to processes for manufacturing baker's yeast *Held* invalid for want of invention over the prior art. and Hayduck Patent No. 1,449,105 also relating to process for manufacturing baker's yeast *Held* invalid for indefiniteness.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Third Circuit.

Affirmed.

Mr. Leonard A. Watson (*Mr. Clair V. Johnson* with him on the brief) for Standard Brands, Inc.

Mr. Stephen H. Philbin (*Mr. Paul R. Ames* with him on the brief) for National Grain Yeast Corp.

Mr. Justice MCREYNOLDS delivered the opinion of the Court.

The order which granted this writ limits our consideration to the validity of Hayduck Patents Nos. 1,449,103, 1,449,105, 1,449,106. They relate to processes for manufacturing baker's yeast and are owned by the petitioner. It will be convenient to designate them by the last three figures of their office numbers—103, 105, 106.

All three patents were declared invalid by the Circuit Court of Appeals below, 101 F.(2d) 814. In the District Court for New Jersey, 103 had been adjudged valid; 105 and 106 invalid, 21 Fed. Supp. 46.

The District Court for Maryland in two causes, (Soper, J.), held the patents valid, *Fleischman Yeast Co.* v. *Federal Yeast Corporation*, 8 F.(2d) 186, *Standard Brands, Inc.*, v. *Federal Yeast Corporation*, 38 F.(2d) 329. The Circuit Court of Appeals, Fourth Circuit, affirmed the judgment sustaining 103, *Federal Yeast Corporation* v. *Fleischmann Co.*, 13 F.(2d) 570. The parties arrived at a settlement and no appeal was taken from the second judgment.

Much has been written relative to these patents in the carefully prepared opinions referred to above. They adequately reveal the facts and points of law incident to the prolonged disputation. Irreconcilable views have been approved and we must now decide which is to be preferred.

"Yeast is a small cellular micro-organism. In its ordinary significance, it is a conglomerate mass of infinitesimally small cells. It multiplies by self propagation, limited by the means of subsistence, and the quality and yield are greatly affected by the conditions under which propagation is carried on. Yeast has been manufactured for at least 50 years by inoculating a wort; that is, by preparing a clear liquid solution and stocking it with a small amount of seed yeast. Such worts include substances to nourish the yeast cells, and are called yeast nutrient solutions. . . . The field for investigation and improvement has been the composition of the nutrient solution, and the character of the process employed during the period of growth."

Nutrient solutions often contain inorganic salts which are broken down through the growth of the seed yeast. Commonly, this brings about marked acidity. Growth progresses best in a slightly acid wort; over-acidity retards or destroys it; aeration of the wort accelerates growth.

The amount of alcohol consequent upon the growth of yeast cells has direct relation to the concentration of the wort. When intensified the yield of alcohol increases; when lowered there is less.

Generally: Patent 103 proposes to neutralize any deleterious acidity in a wort which contains inorganic salt by adding an antacid material; patent 105 requires the addition of nutrients during the growth of the yeast—

"at a rate such that the yeast may propagate and substantially all of the alcohol which may be formed is assimilated by the yeast";

patent 106 combines the neutralization idea of 103 with the rate of feed proposed by 105.

Claim No. 1 of patent 103, typical of all, follows—

"The process of manufacturing yeast which comprises preparing a yeast nutrient solution and propagating yeast therein with aeration, said yeast nutrient solution containing essentially sugar material and yeast nourishing inorganic salts from which components are liberated which tend increasingly to acidify the nutrient solution during propagation, and during the period of propagation neutralizing the deleterious excess of such acidity."

In respect of this petitioners' counsel maintain—

"It covers, rather, the integral coordination of propagating yeast with aeration in a prepared solution containing essentially sugar material and yeast nourishing inorganic salts from which results an increasing acidification tending to become deleterious, and neutralizing the deleterious excess of such acidity in the solution while the yeast propagation is being conducted."

The Circuit Court of Appeals below declared—

"We think that it cannot be denied that the use of antacid or basic materials as neutralizers for acidity in respect to yeast is old in the art. . . . We think that Hayduck has simply set forth a technique which is useful in the manufacture of yeast under modern methods. Hayduck's disclosures do not attain to the dignity of invention. His process is the result of the exercise of the skill of the calling, the application of an old principle to a similar or analogous subject with no change in the manner of application and without any substantially different result."

And it accordingly held patent 103 invalid for want of invention over the prior art.

Considering all the circumstances and notwithstanding the very forceful arguments to the contrary, we think this must be accepted as the better view.

Claim No. 10, typical of patent 105, follows—

"A process of propagating yeast with a relatively low yield of alcohol which comprises, preparing a wort containing all essential yeast nutrients in solution, initiating propagation of yeast in a highly diluted portion of said wort, aerating the diluted portion, and substantially continuously adding during the period of propagation, the wort of higher concentration at a rate such that the concentration of the dilute wort remains substantially constant, whereby substantially all of the alcohol which may be formed is assimilated."

Of this patent counsel for petitioner say—

It "is directed particularly to this procedural or manipulative, rather than chemical, aspect of the operation; i. e., a division of the wort into two parts with propagation begun in a diluted fraction and the gradual feeding in of the concentrated reserve as stated. By adopting this perfected process, the yield of yeast was still further increased and there were also other accompanying advantages in shortened time from commence-

ment of the yeast propagation to the harvesting of the yeast crop and in enhanced quantity of output from a given sized apparatus."

The Circuit Court of Appeals below declared—

"It was well known to the prior art that if the creation of alcohol was not desired the nutrient solution should contain a low concentration of sugar. . . . In our opinion the process described by Hayduck may constitute a mechanical improvement over the prior art but it is no more than this. But even if the process disclosed by Hayduck be held to constitute invention, the patent is invalid for indefiniteness as was held by the learned district judge. Both the times and manner in which the concentrated nutrient solution is to be added may be ascertained as we have stated solely by experimentation. The disclosure of the patent is therefore too vague and indefinite to constitute invention."

With this conclusion we agree.

As to patent 106 counsel have stipulated—

"The process of this patent is one combining the process of patent '103, including neutralization, and the process of patent '105, including regulated nutrient feed."

Since patent No. 103 is invalid for lack of invention and No. 105 invalid because the disclosure is too vague and indefinite, a claim for patent based upon the mere union of the two processes described therein cannot be sustained where as here, the proposed combination requires nothing beyond the skill of the art.

The challenged decree must be affirmed.

Mr. Justice BUTLER and Mr. Justice STONE took no part in the consideration and decision of this cause.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,247,540, 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage and analogous liquids; 1,343,797, Stott & Jones, Aeration of sewage and other impure liquids, D. C., S. D. Ill., N. Div., Doc. E 1284, *Activated Sludge, Inc.*, v. *City of Bushnell, Ill.* Plaintiff held owner of 1,247,540, 1,247,542, Re. 15,140, 1,286,017 and 1,343,797 Oct. 10, 1939.

1,247,542. (See 1,247,540.) 1,282,587. (See 1,247,540.)

1,286,017. (See 1,247,540.) 1,343,797. (See 1,247,540.)

1,467,831, W. S. Barnickel, Process for treating petroleum emulsions, filed Oct. 2, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 587–M, *Petrolite Corp., Ltd.*, v. *Dehydco et al.*

1,467,930, J. W. Fretwell, Locked razor, C. C. A., 4th Cir., Doc. 4506, *Gillette Safety Razor Co.* v. *J. W. Fretwell.* Decree affirmed Oct. 2, 1939.

1,470,490, N. Schwartz, Method or process for producing knit fabrics, D. C., E. D. Pa., Doc. 117, *N. Schwartz et al.* v. *Howard Hosiery Co.* Stipulation of dismissal Oct. 5, 1939.

1,482,110, W. F. Bolesky, Method and apparatus for cutting polygonal, D. C., E. D. Mich., S. Div., Doc. 1125, *W. F. Bolesky et al.* v. *Illinois Tool Works et al.* Consent decree for plaintiff (notice Sept. 27, 1939).

1,484,523, 1,699,076, Mumm & Mumm, Sausage casings and process of producing same; 1,837,280, B. J. Mumm, same, filed April 8, 1939, D. C. Minn. (St. Paul), Doc. 60, *B. J. Mumm* v. *Northwest Casing & Supply Co., Inc.*

1,502,428, F. I. Getty, Whipstock for wells, filed Oct. 7, 1939, D. C., S. D. Tex. (Houston), Doc. 187, *F. I. Getty* v. *Kinzbach Tool Co., Inc., et al.*

1,528,535, R. E. De Walt, Tool holder; 1,738,763, 1,528,536, same, Wood working machinery, D. C., N. D. Calif. (San Francisco), Doc. 21274–L, *De Walt Products Corp.* v. *V. A. Davi et al.* Dismissed Oct. 3, 1939.

1,528,536. (See 1,528,535.)

1,542,595. (See Re. 18,866.)

1,699,076. (See 1,484,523.)

1,724,697, A. C. Dobrick, Flaring tool, filed July 6, 1939, D. C., E. D. Pa., Doc. 400, *The Imperial Brass Mfg. Co.* v. *Bonney Forge & Tool Works, Inc.*

1,725,390, W. H. Brouse, Pump; Des. 91,861, L. H. Darbyshire, Door handle for cabinets; Des. 92,158, H. E. Blood, Base unit for a cabinet; Des. 95,730, J. C. Buchanan, Refrigerator cabinet, D. C., S. D. N. Y., Doc. E 83/31, *Borg-Warner Corp.* v. *General Motors Corp. et al.* Dismissed without prejudice Oct. 9, 1939.

1,727,380, J. C. Ryder, Distillation process, D. C., E. D. Pa., Doc. 9339, *Petroleum Derivatives, Inc. of Maine* v. *Sun Oil Co.* Bill dismissed Sept. 20, 1939.

1,732,708, Withrow & Close, Burner, D. C., N. D. Ohio, W. Div., Doc. E 1559, *The Toledo Pressed Steel Co.* v. *W. J. McCloskey et al.* Dismissed July 1, 1939.

1,738,763. (See 1,528,535.)

1,815,062, W. F. Herold, Caster, filed Oct. 11, 1939, D. C., E. D. N. Y., Doc. E–634, *The Bassick Co.* v. *U. S. Tube & Foundry Co., Inc.*

1,831,184, M. Mallory, Circuit breaker and method of making same, filed Oct. 7, 1939, D. C., E. D. Mich., S. Div., Doc. 1431, *The Mallory Research Co. et al.* v. *Motor Car Service Co. et al.*

1,832,601. (See Re. 18,251.)

1,833,846. (See Re. 19,778.)

1,837,280. (See 1,484,523.)

1,854,283, R. A. Walter, Loading attachment for reciprocating conveyers; 1,870,291, F. L. McCarty, Loading attachment for conveyer mechanism, D. C. Colo. (Denver), Doc. 96, *Goodman Mfg. Co.* v. *Vulcan Iron Works Co. et al.* Consent decree granting injunction Oct. 3, 1939.

1,865,783, A. C. Orthmann, Leather and method of making same, filed Oct. 10, 1939, D. C., E. D. Wis. (Milwaukee), Doc. 186, *J. Greenebaum Tanning Co.* v. *Rapco Leather Co.*

1,870,291. (See 1,854,283.)

1,875,260, G. D. Parker, Bundle binding and tying machine, D. C., N. D. Calif. (San Francisco), Doc. 4260–S, *Eby Mfg. Co. et al.* v. *G. D. Parker et al.* Counterclaim and cross-complaint dismissed with prejudice Sept. 13, 1939.

1,881,474, O. D. Gibbs, Stapling machine, D. C., S. D. N. Y., Doc. E 85/259, *O. D. Gibbs et al.* v. *W. A. Worboys Co., Inc.* Decree for plaintiff (notice Oct. 11, 1939).

1,886,963, O. F. Lundelius & Dillon, Steering gear, D. C., S. D. Calif. (Los Angeles), Doc. E 1316–M, *Lundelius & Eccleston Motors Corp.* v. *Plymouth Motor Corp. et al.* Dismissed without prejudice Oct. 2, 1939.

1,891,728. (See Re. 19,778.)

1,904,912, C. F. Wolters, Monolithic filing cabinet and attachments therefor, filed Oct. 2, 1939, D. C., N. D. Ohio, W. Div., Doc. 4406, *Remington Rand, Inc.*, v. *Meilink Steel Safe Co.*

1,934,398 (*a*), A. Benowitz, Manufacture of yarns, filed Oct. 5, 1939, D. C., S. D. N. Y., Doc. 6/14, *M. J. Schifrin* v. *Chenille Mfg. Co., Inc., et al.*

1,934,398 (*b*), A. Benowitz, Manufacture of yarns; 2,115,967, M. J. Schifrin, Composite fabric, filed Oct. 4, 1939, D. C., S. D. N. Y., Doc. 5/496, *M. J. Schifrin et al.* v. *Marvel Mills, Inc.*

1,978,515, H. Thomasma, Seat cover package, D. C., S. D. Calif. (Los Angeles), Doc. E 1091–Y, *H. Thomasma et al.* v. *California Fruit Wrapping Mills, Inc., et al.* Dismissed with prejudice Sept. 26, 1938.

1,982,445, P. E. Miquelon, Boot; 2,085,284, H. Wollner, Dust cover; 2,134,358, S. Crossland, Boot for universal joint, D. C., E. D. Mich., S. Div., Doc. 1311, *Universal Products Co., Inc.*, v. *C. H. Barber & Sons, Inc.* Dismissed as to 2,134,358. Consent decree for plaintiff (notice Oct. 9, 1939).

2,015,217, M. Deniau, Method based upon the use of vibrations and apparatus therefor, D. C., E. D. Pa., Doc. 9933, *Mall Tool Co.* v. *Quaker Vibrators, Inc.* Injunction granted, counterclaim dismissed Sept. 20, 1939.

2,021,513, D. H. Levine, Process for the treatment of composition and cementitious materials; 2,033,989, same, Pads adapted for the curing of concrete roads and similar purposes, filed Oct. 11, 1939, D. C. Conn. (New Haven), Doc. 174, *D. H. Levine* v. *P. Dudar (National Furniture Pad & Bedding Co.)*

2,033,989. (See 2,021,513.)

2,048,605. (See Re. 18,866.)

2,054,572, F. L. McKenna, Toggle clamp, D. C., E. D. Mich., S. Div., Doc. 879, *Detroit Stamping Co.* v. *F. L. McKenna (Prestyle Metal Specialties) et al.* Judgment for plaintiff (notice Oct. 2, 1939).

2,074,975, M. C. Baatz, Garment, D. C., S. D. N. Y., Doc. E 86/162, *Model Brassiere Corp.* v. *M. Dorfman (Real Form Girdle Co.).* Consent order of discontinuance (notice received Oct. 5, 1939).

2,075,684, V. I. Whitman, Excised photographic plate system of composite motion picture photography, filed Sept. 30, 1939, D. C., S. D. N. Y., Doc. 5/478, *V. I. Whitman* v. *Walt Disney Productions et al.*

2,085,284. (See 1,982,445.)

2,087,821. (See Re. 18,866.)

2,105,770, H. Holdsworth, Wall construction, filed Sept. 28, 1939, D. C. Del., Doc. 82, *The Goldsmith Metal Lath Co.* v. *Milcor Steel Co.*

2,115,967. (See 1,934,398 (*b*).)

2,120,006, D. E. Strain, Molding organic compound, filed Oct. 6, 1939, D. C., S. D. N. Y., Doc. 6/22, *E. I. du Pont de Nemours & Co., Inc., et al.* v. *E. Aderer et al.*

2,134,358. (See 1,982,445.)

2,141,347. (See Re. 21,143.)

2,147,462, C. Seaman, Apparatus for producing shirred materials; 2,147,463, same, Shirred material, filed Sept. 13, 1939, D. C., S. D. N. Y., Doc. 5/321, *C. Seaman* v. *M. Meislis (F. & M. Fancy Stitching Machine Co.).* Consent decree for plaintiff (notice Oct. 6, 1939).

2,147,463. (See 2,147,462.)

2,149,128, Thorner & Perahia, Skirt, filed Oct. 3, 1939, D. C., S. D. N. Y., Doc. 5/495, *Correct Garment Co., Inc.*, v. *Castle Sportwear Co., Inc., et al.*

2,150,061. (See 2,105,770.)

Re. 15,140. (See 1,247,540.)

Re. 18,251, E. Wilson, Fluid compressor; 1,832,601, same, Compressor, D. C., S. D. N. Y., Doc. E 83/32, *Borg-Warner Corp. et al.* v. *General Motors Corp. et al.* Dismissed without prejudice Oct. 9, 1939.

Re. 18,253, D. P. Heath, Refrigerator and refrigerating apparatus, filed Oct. 6, 1939, D. C., E. D. Pa., Doc. 577, *General Motors Corp.* v. *Philco Radio & Television Corp.* Dismissed by plaintiff Oct. 9, 1939.

Re. 18,866, E. A. Wright, Vehicle body; 1,542,595, B. H. Anibal, Door; 2,048,605, A. J. Fisher, Closed car ventilator; 2,087,821, E. G. Simpson, Window assembly for an automotive vehicle, D. C., E. D. Mich. (Detroit), Doc. 8272, *Ternstedt Mfg. Co. et al.* v. *Motor Products Corp.* Dismissed (notice Sept. 29, 1939).

Re. 19,778, T. J. Little, Jr., Method of making evaporators; 1,833,846, A. W. Mellowes, Aircooling and water freezing evaporator for mechanical refrigerating apparatus; 1,891,728, J. P. Replogle, Refrigerator unit, filed Oct. 6, 1939, D. C., E. D. Pa., Doc. 576, *Nash-Kelvinator Corp.* v. *Philco Radio & Television Corp.*

Re. 19,967, H. M. Weber, Composition of matter comprising resin esters, D. C., E. D. Pa., Doc. 9545, *Ellis Foster Co.* v. *Gilbert Spruance Co.* Injunction granted against defendant Sept. 29, 1939.

Re. 20,257, G. F. French, Ladder web of venetian blinds, filed Sept. 28, 1939, D. C. Conn. (New Haven), Doc. 169, *Thos. French & Sons, Ltd.*, v. *The Fussell Mfg. Co.*

Re. 21,143 (of 2,141,347), R. F. Davis, Towel rack, filed Sept. 28, 1939, D. C. Conn. (New Haven), Doc. 168, *The Edward Katzinger Co.* v. *The Autoyre Co., Inc.*

Des. 91,861. (See 1,725,390.)

Des. 92,158. (See 1,725,390.)

Des. 95,730. (See 1,725,390.)

Des. 109,064, R. B. Karoff, Combination container for bath salts and bath cologne, filed Sept. 28, 1939, D. C., S. D. N. Y., Doc. 5/435, *R. B. Karoff et al.* v. *Pickwick Cosmetic Corp.*

Des. 114,263, A. Furtsch, Belt buckle, filed Oct. 6, 1939, D. C., S. D. N. Y., Doc. 6/17, *A. Furtsch* v. *S. Morgenstern.*

Des. 115,887, H. Bayor, Dress, D. C., S. D. N. Y., Doc. 5/26, *Malbec Frocks, Inc.*, v. *Perky Fros, Inc.* Consent decree for plaintiff (notice Sept. 7, 1939).

Des. 116,001, K. Rost, Dress, filed Sept. 27, 1939, D. C., S. D. N. Y., Doc. 5/423, *Packard Dresses, Inc.*, v. *S. Wexler (Gayety Dress Co.).*

Des. 116,003, M. Stone, Dress, filed Sept. 29, 1939, D. C., S. D. N. Y., Doc. 5/470, *W. Steinman, Inc.*, v. *S. & M. Litt, Inc.* Same, filed Oct. 3, 1939, D. C., S. D. N. Y., Doc. 5/488, *W. Steinman, Inc.*, v. *Kelvin Dress Co., Inc.*

Des. 116,075, H. Zuckerman, Coat, filed Oct. 3, 1939, D. C., S. D. N. Y., Doc. 5/494, *D. Bellsey Co., Inc.*, v. *Smith, Glickman & Abrams, Inc.*

Des. 116,125, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 5/353, *Apex Dress Co., Inc.*, v. *Strand Dress Corp.* Stipulation and order of discontinuance Oct. 9, 1939.

Des. 116,415, B. S. Roth, Dress, filed Oct. 4, 1939, D. C., S. D. N. Y., Doc. 6/6, *I. Roth et al.* (*Bernard's*) v. *M. Feinberg-Moe Wiesen, Inc.*

Des. 116,500, J. Abbate, Dress, filed Oct. 10, 1939, D. C., S. D. N. Y., Doc. 6/38, *Abbate-Swift, Inc.*, v. *Louis Platt, Inc.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,036,537, H. C. Otis, Kelly stuffing box, decided December 12, 1939, claims 2, 9, 13, 14, 18, and 20.

Pat. 2,068,456, E. J. Hooper, Elastic ventilated fabric, decided December 9, 1939, claim 3.

Pat. 2,074,115, J. J. Mader, Melting furnace, decided October 21, 1939, claims 2, 4, and 7.

Pat. 2,107,246, J. G. Jackson, Circuit breaker, decided November 20, 1939, claims 2 and 3.

Pat. 2,150,106, L. O. E. Roessel, Camera, decided December 12, 1939, claim 10.

Disclaimers

1,971,313.—*Manfred J. Johnson*, Naugatuck, Conn. MEANS FOR INDICATING AND/OR RECORDING UNKNOWN QUANTITIES. Patent dated August 21, 1934. Disclaimer filed December 9, 1939, by the inventor and the assignee, *The Lewis Engineering Company.*

Hereby enters this disclaimer to claims 6 and 9 of the patent.

2,054,115.—*Allen Abrams, Charley L. Wagner,* and *George W. Forcey,* Wausau, Wis. COMPOSITION FOR COATING, LAMINATING, AND FILM FORMING. Patent dated September 15, 1936. Disclaimer filed December 11, 1939, by the assignee, *Marathon Paper Mills Company.*

Hereby disclaims from the scope of claim 1 of said patent any composition except such as are compounded while at a controlled temperature above the melting point of the body portion and have the viscosity set forth in said claim as a property of said composition as it is initially compounded and used;

And hereby disclaims from the scope of claim 2 of said patent any composition except such as are compounded while at a controlled temperature above the melting point of the wax and have the viscosity as set forth in the said claim as a property of said composition as it is initially compounded and used.

2,107,246.—*John G. Jackson,* Detroit, Mich. CIRCUIT BREAKER. Patent dated February 1, 1938. Disclaimer filed December 11, 1939, by the assignee, *Square D Company.*

Hereby disclaims claims 2 and 3 in said specification in any interpretation in which the pivotally mounted support is not a single lever pivoting on a fixed part, in such a manner that contact pressure between the engaged contact and contact surface is maintained by the main operating spring which moves the support.

2,132,623.—*John G. Jackson* and *Wallace T. Allen,* Detroit, Mich. CIRCUIT BREAKER. Patent dated October 11, 1938. Disclaimer filed December 11, 1939, by the assignee, *Square D Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 10, 11, 12, and 17 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 2, 1940

[VOL. 510. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 420,765. HYGIENIC TUBE & CONTAINER CORPORATION, Newark, N. J. Filed June 21, 1939.

CELLUPLASTIC

For Tubing and Hollow Tubes Made of Plastic Materials for Use in Connection with Devices for Feminine Hygiene and Syringes, and Sheets of Plastic Materials.
Claims use since Oct. 15, 1938.

Ser. No. 424,276. A. S. NOWLIN & Co., Lynchburg, Va. Filed Oct. 6, 1939.

QUEEN SPLINT

No claim is made to the word "Splint" apart from the mark.
For Domestic Household Coal.
Claims use since 1912.

Ser. No. 424,399. HARVEY MAASS, Seymour, Wis. Filed Oct. 10, 1939.



No claim is made to the representation of the goods.
For Hybrid Seed Corn.
Claims use since Mar. 23, 1939.

Ser. No. 424,671. JOSEPH SPEYER, New York, N. Y. Filed Oct. 18, 1939.

VISCULOSE

For Sponges, Particularly Sponges Made from Cellulose.
Claims use since July 10, 1939.

Ser. No. 424,692. MITCHELL & PEIRSON, INC., Philadelphia, Pa. Filed Oct. 19, 1939.

SANI-WHITE

Applicant is the owner of trade-mark registration No. 370,556. The word "White" is disclaimed apart from the mark.
For Leather.
Claims use since Aug. 29, 1939.

Ser. No. 424,787. THE SEEING EYE, INCORPORATED, Whippany, N. J. Filed Oct. 21, 1939.

SEEING EYE

Applicant is owner of trade-mark registration No. 277,362.
For Guide Dogs Trained to Lead the Blind.
Claims use since Sept. 28, 1932.

Ser. No. 425,334. WILLARD HELBURN, INC., Peabody, Mass. Filed Nov. 7, 1939.

GHOTI

For Leather.
Claims use since April, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 409,209. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Aug. 3, 1938.

SOCIETY

For Handbags.
Claims use since July 1, 1914.

Ser. No. 425,193. S. DRESNER & SON, INC., Chicago, Ill. Filed Nov. 3, 1939.

GLADIATOR

For Hand Luggage—Viz., Men's Wardrobe Cases, Gladstones, and Overnight Cases.
Claims use since July, 1939.

CLASS 4

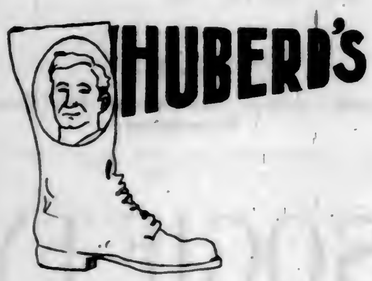
Abrasive, Detergent, and Polishing Materials

Ser. No. 412,933. WALLACE C. WRIGHT, doing business as Wright Chemical Company, Everett, Mass. Filed Nov. 18, 1938.

Tarex

For Chemical Preparation in Liquid Form for Use in Washing, Cleaning, and Removal of Spots.
Claims use since Aug. 1, 1927.

Ser. No. 421,460. HUBERD SHOE GREASE CO. INC., McMinnville, Oreg. Filed July 11, 1939.
The portrait of a man is that of J. W. Huberd, applicant's predecessor.



For Shoe Grease and Shoe Oil.
Claims use since Mar. 12, 1920.

Ser. No. 422,903. LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed Aug. 23, 1939.



The words "Sierra Pine" and "Fragrance of the Pines" are disclaimed apart from the mark. The drawing is lined for green.
For Toilet Soap.
Claims use since May 10, 1939.

Ser. No. 424,347. FRANK DYMITRO, doing business as Klenzall Co., Chicago, Ill. Filed Oct. 9, 1939.



No claim is made to the words "The Modern Polish" apart from the mark.
For Preparation for Cleaning and Polishing Windows, Silverware, Bathtubs, Counters, and Glass, Chromium, Stainless Steel, Tile, Porcelain, "Monel Metal", Brass, Aluminum, and All Plated Surfaces.
Claims use since July 17, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 420,315. BLAINE CULVER, doing business as Alberto-Culver, Los Angeles, Calif. Filed June 9, 1939.



The word "Exquisite" is disclaimed apart from the mark.
For Hair Bleach Oil.
Claims use since May 1, 1939.

Ser. No. 423,295. FIDELITY LABORATORIES, INC., Chicago, Ill. Filed Sept. 5, 1939.

Fidelity LABORATORIES, Inc.

For Serum, Virus, and Biological and Pharmaceutical Products—Viz., Antiseptic Dusting Powder or Wound Dressing, Anti-Ferment Tabs (Aids Digestion), Liquid Wound Dressing for Live Stock. Colic Preparation (for Horses), Disinfectant, Equine Purgative Capsules, Deodorizer-Disinfectant, Fly Spray for Live Stock, Guaiacol Camphor Compound (Concentrated), Louse Powder, Purgative, Scour Compound, Uterine Capsules (Bovine and Swine), Worm Tablets (Chenopodium for Swine).
Claims use since Feb. 26, 1925.

Ser. No. 423,296. FIDELITY LABORATORIES, INC., Chicago, Ill. Filed Sept. 5, 1939.



The words "Everything for the Stockman and Farmer" are disclaimed apart from the mark.
For Serum, Virus, and Biological and Pharmaceutical Products—Viz., Antiseptic Dusting Powder or Wound Dressing; Anti-Ferment Tabs (Aids Digestion); Liquid Wound Dressing for Live Stock; Colic Preparation (for Horses); Disinfectant; Equine Purgative Capsules; Deodorizer-Disinfectant; Fly Spray for Live Stock; Guaiacol Camphor Compound (Concentrated); Louse Powder; Purgative; Scour Compound; Uterine Capsules (Bovine and Swine); Worm Tablets (Chenopodium for Swine).
Claims use since Feb. 26, 1925.

Ser. No. 423,297. FIDELITY LABORATORIES, INC., Chicago, Ill. Filed Sept. 5, 1939.



The term "Quality" is disclaimed apart from the mark.
For Serum, Virus, and Biological and Pharmaceutical Products—Viz., Antiseptic Dusting Powder or Wound Dressing; Anti-Ferment Tabs (Aids Digestion); Liquid Wound Dressing for Live Stock; Colic Preparation (for Horses); Disinfectant; Equine Purgative Capsules; Deodorizer-Disinfectant; Fly Spray for Live Stock; Guaiacol Camphor Compound (Concentrated); Louse Powder; Purgative; Scour Compound; Uterine Capsules (Bovine and Swine); Worm Tablets (Chenopodium for Swine).
Claims use since Feb. 26, 1925.

Ser. No. 424,035. FRANCES DENNEY, Philadelphia, Pa. Filed Sept. 29, 1939.

SHINING STAR

For Toilet Preparations—Namely, Lotions and Creams for Face and Skin, Face Powder, Lipstick, Rouge, and Eau de Cologne.
Claims use since Sept. 11, 1939.

Ser. No. 424,509. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Oct. 12, 1939.

ALUDROX

For Medicinal Product for the Prevention and Treatment of Diseases of the Oral Cavity.
Claims use since Sept. 18, 1939.

Ser. No. 424,510. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Oct. 12, 1939.

KAODROX

For Medicinal Product for the Prevention and Treatment of Diseases of the Oral Cavity.
Claims use since Sept. 18, 1939.

Ser. No. 424,598. CORA E. LEIGHTON, Fort Dodge, Iowa. Filed Oct. 16, 1939.

MEN-THO-EZE

For an Ointment for Catarrh, Hay-Fever, Asthma, Croup, Cold, Sore Throat; Headache, Neuralgia, Piles, Burns, Sprains, Sore Muscles, Eczema, Bruises, Chilblains, Rheumatism, Sore Lips, Chapped Hands and Skin Irritation, Insect-Bites, Sunburn, Prickly Heat, and Tired Feet.
Claims use since Aug. 1, 1913.

Ser. No. 424,739. PARFUMS CHARBERT, INC., New York, N. Y. Filed Oct. 20, 1939.

TORCH

For Lipsticks.
Claims use since Oct. 13, 1939.

Ser. No. 424,826. JOSEPH SCHNEIDERMAN, doing business as High Duke Products Co., Chicago, Ill. Filed Oct. 23, 1939.



The portrait shown on the drawing is fanciful. Applicant disclaims exclusive right to the use of the words "Trade Mark Registered."
For Hair Dressing, Pomade, and Shampoo.
Claims use since Sept. 9, 1939.

Ser. No. 424,856. ORVILLE E. MCKIM, Port Chester, N. Y. Filed Oct. 24, 1939.

MÄNG-SECT

For Insecticides.
Claims use since June 28, 1939.

Ser. No. 424,861. ROBERT R. WATSON, doing business as Robert R. Watson and Son, Columbus, Ohio. Filed Oct. 24, 1939.

BEAMOLA

For Medicinal Preparation for Use as a Diuretic, Hepatic and for Biliousness Due to Constipation.
Claims use since June 1, 1938.

Ser. No. 424,929. SCHERING CORPORATION, Bloomfield, N. J. Filed Oct. 26, 1939.

ORETON-M

For Medicinal Hormone Preparation in Ointment Form.
Claims use since Oct. 4, 1939.

Ser. No. 425,258. S. M. LABORATORIES CO., Seattle, Wash. Filed Nov. 4, 1939.

"S M's"

For Vaginal Suppositories.
Claims use since Nov. 30, 1931.

Ser. No. 425,309. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Nov. 6, 1939.



No claim is made to the representation of a label per se. The drawing is lined for yellow and black.
For Insecticides, Deodorants, and Disinfectants.
Claims use since Aug. 24, 1939.

Ser. No. 425,516. CARLETON ELLIS, Montclair, N. J. Filed Nov. 10, 1939.

BEM

For Aqueous or Non-Aqueous Liquid Styptic Compositions.
Claims use since Oct. 19, 1939.

Ser. No. 425,577. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 13, 1939.

LARK

For Perfume and Cosmetic Cream.
Claims use since Nov. 3, 1939.

Ser. No. 425,578. LENTHERIC, INC., New York, N. Y. Filed Nov. 13, 1939.

SKYLARK

For Perfume and Cosmetic Creams.
Claims use since Nov. 3, 1939.

CLASS 9

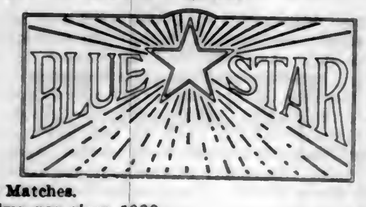
Explosives, Firearms, Equipments, and Projectiles

Ser. No. 405,824. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Apr. 28, 1938.

HI-SKOR

For Ammunition, Particularly Factory Loaded Metallic Cartridges and Paper Shot Shells.
Claims use since Apr. 20, 1938.

Ser. No. 425,233. THE DIAMOND MATCH COMPANY, New York, N. Y. Filed Nov. 4, 1939.



For Matches.
Claims use since 1930.

CLASS 10

Fertilizers

Ser. No. 420,067. ROBERT FLEMING MCMILLEN, doing business as Kemgro Manufacturing Company, Amarillo, Tex. Filed June 1, 1939.

Kemgro

For Chemical Fertilizers.
Claims use since May 15, 1939.

Ser. No. 423,653. E. R. ASHBROOK, doing business as Mission Chemical Company, Kansas City, Mo. Filed Sept. 16, 1939.

GRASGRO

For Fertilizers Used Primarily for Growing Grass.
Claims use since Jan. 1, 1939.

Ser. No. 424,060. PLANT CHEMICALS CO., LTD., Carmel Calif. Filed Sept. 29, 1939.

Plantsmith's

SPOONIT

For Chemical Fertilizers for Plants.
Claims use since Aug. 24, 1939.

CLASS 12

Construction Materials

Ser. No. 417,814. NORTH AMERICAN AVIATION, INC., Inglewood, Calif. Filed Apr. 3, 1939.

NEOBEST

For Sealing Compound Used as a Filler for Crevices and the Like for the Purpose of Stopping Off Leaks of Gasoline, Oils, or Other Fluids.
Claims use since Feb. 11, 1939.

Ser. No. 417,815. NORTH AMERICAN AVIATION, INC., Inglewood, Calif. Filed Apr. 3, 1939.

NEOSEAL

For Sealing Compound Used as an Adhesive or as a Filler for Seams of a Tank or Compartment.
Claims use since Feb. 11, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 403,879. J. A. SEXAUER MFG. CO., INC., New York, N. Y. Filed Mar. 9, 1938.



Applicant disclaims the notation "Of Standardized Repair Service" apart from the mark.
For Tank Bulb Stems, Lever Wires, Adjustable Float Rods, Refill Tubes, Chain Couplings, Chain Stays, Faucet Hole Covers, Key Ring Stopper Links, Basin, Bathtub and Sink Stoppers, Key Rings, Cap Nuts, Index Buttons, Sleeves for Gas Cocks, Cock and Faucet End Sleeves, Cock and Faucet Cross Arms, Cock and Faucet Sleeves, Toilet Seat and Flush Valve Bumpers, Plug Strainers, Basket Strainers, Radiator Handles, Eight Hooks, Shower Curtain Hooks, Air Valves for Radiators, Boiler Repair Fittings, Boiler Refill Plugs, Wood Screws, Overflow Tube Bushings, Flush Tank Guide Arms, Couplings and Unions, Floor Plates, Tank Levers, Overflow Tubes, Tank Bulbs, Tank Floats, Suction Stoppers, Closet Spuds, Slip Joint Nuts, Valve Bases, Slip Joint Friction Rings, Closet Spud Friction Rings, Syphon Valve Washers, Cock and Valve Cushions, Bibb Washers, Bibb Screws, Bibb Nuts, Cap Thread Friction Rings, Swing Spout Washers, Faucet Stem Nut Washers, Faucet Retainer Caps, Faucet Washers, Faucet Renewal Seats, Eccentric Screws, Stem Nuts, Fuller Balls, Fuller Caps, Eccentric Washers, Ball Cock Washers, Ball Cock Cushions, Ball Cock Seat Caps, Cotter Pins, Thumb Screws, Pipe Collars, Refill Plugs, Ball Cock Cups, Closet Screws, Oval Washers, Closet Bolts, Sink Bolt Nuts, Sink Bolts, and Bolt Washers and Assortments of the Foregoing Plumbing Fittings and Associated Supplies.
Claims use since Dec. 30, 1937.

Ser. No. 418,757. J. HITTNER & SON, INC., New York, N. Y. Filed Apr. 27, 1939.

B. T. U.

For Fluid Valves.
Claims use since September, 1933.

CLASS 16

Paints and Painters' Materials

Ser. No. 424,282. MACK WILSON, doing business as Timex Products Co., St. Louis, Mo. Filed Oct. 6, 1939.

TIMEX

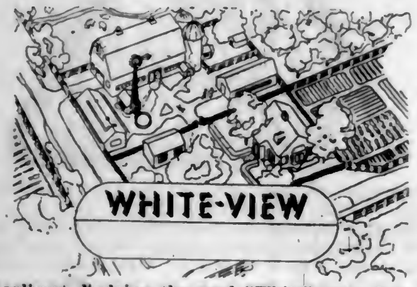
For Polishing Compound for Polishing Automobiles and Painted, Varnished, or Lacquered Surfaces.
Claims use since Mar. 13, 1939.

Ser. No. 424,500. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 12, 1939.

WHITE-VIEW

Applicant disclaims the word "White" apart from the mark.
For Paint.
Claims use since Apr. 28, 1938.

Ser. No. 424,501. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 12, 1939.



Applicant disclaims the word "White" apart from the mark.
For Prepared House Paint.
Claims use since Apr. 28, 1938.

Ser. No. 425,269. ANDREW BROWN COMPANY, Los Angeles, Calif. Filed Nov. 6, 1939.

Synchro-fade

For Lacquer.
Claims use since Oct. 30, 1939.

Ser. No. 425,345. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.

CONCRETE LAC

The words "Concrete Lac" are disclaimed apart from the mark.
For Paint for Concrete.
Claims use since Aug. 4, 1938.

CLASS 17

Tobacco Products

Ser. No. 421,666. JOSE L. MONTALVO-GUENARD, Ponce, P. R. Filed July 17, 1939.



For Cigarettes.
Claims use since July 1, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 421,790. W. BURDETTE WILKINS, Marblehead, Mass. Filed July 20, 1939.

PlyWeld

For Rowboats, Tenders, and Dinghies.
Claims use since Mar. 1, 1939.

Ser. No. 425,107. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Nov. 1, 1939.

Royal

For Bicycles.
Claims use since Jan. 1, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 414,953. INDIANA STEEL & WIRE COMPANY, Muncie, Ind. Filed Jan. 18, 1939.

Crapo HTL-135

For Iron and Steel Wire For Use in Overhead Electric Transmission Lines.
Claims use since Oct. 24, 1938.

Ser. No. 424,707. AMERICAN TRANSFORMER COMPANY, Newark, N. J. Filed Oct. 20, 1939.

TRANS-ARC

The word "Arc" is disclaimed apart from the mark.
For Arc-Welding Apparatus, Transformer Type.
Claims use since Oct. 25, 1938.

Ser. No. 424,720. GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 20, 1939.

DURAK
GOODRICH ELECTRIC CO.
CHICAGO

The word "Chicago" is disclaimed apart from the mark.
For Unitary Electric Lighting Fixtures.
Claims use since November, 1936.

Ser. No. 424,721. GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 20, 1939.

ELIPSO
GOODRICH ELECTRIC CO.
CHICAGO

The word "Chicago" is disclaimed apart from the mark.
For Unitary Electric Lighting Fixtures.
Claims use since November, 1936.

Ser. No. 424,722. GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 20, 1939.

FLEXOLITE
GOODRICH ELECTRIC CO.
CHICAGO

The word "Chicago" is disclaimed apart from the mark.
For Unitary Electric Lighting Fixtures.
Claims use since October, 1938.

Ser. No. 424,723. GOODRICH ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 20, 1939.

SPRAYLITE
GOODRICH ELECTRIC CO.
CHICAGO

The word "Chicago" is disclaimed apart from the mark.
For Unitary Electric Lighting Fixtures.
Claims use since April, 1938.

Ser. No. 425,284. MARLUN MANUFACTURING CO., INC., New York, N. Y. Filed Nov. 6, 1939.

The Ritz

For Electrical Cooking Stoves.
Claims use since July 29, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 399,509. MCKESSON & ROBBINS, INCORPORATED, Fairfield, Conn. Filed Nov. 9, 1937.

St Regis

For Playing Cards.
Claims use since Sept. 9, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 408,715. HUNTER MFG. CO., Los Angeles, Calif. Filed July 20, 1938.



No claim is made to the words "Moisture Free" apart from the mark.

For Apparatus For Applying Lubricating Oils and Greases to Motor Vehicles.

Claims use since April. 15, 1937.

Ser. No. 417,522. THE BLACK-CLAWSON COMPANY, Hamilton, Ohio. Filed Mar. 27, 1939.



For Paper Mill Machinery.

Claims use since 1903.

Ser. No. 423,760. JOHNSON BRONZE COMPANY, New Castle, Pa. Filed Sept. 20, 1939.

Steelbond

For Sleeve Type and Disk Type Bearings For Machinery.

Claims use since Sept. 1, 1939.

Ser. No. 425,014. J. K. SMIT & SONS, INC., New York, N. Y. Filed Oct. 28, 1939.

Ferret

For Diamond Bits For Rock Drilling, Oil Well Drilling and General Exploratory Work.

Claims use since Oct. 24, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 398,450. THE HOUSE OF CRANE, INCORPORATED, Indianapolis, Ind. Filed Oct. 14, 1937.

ECLIPSE

For Goggles and Sun Glasses.

Claims use since Sept. 13, 1937.

Ser. No. 423,631. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich. Filed Sept. 15, 1939.

arguscope

For Combination Copying Stands and Photographic Bench.

Claims use since June 22, 1939.

Ser. No. 424,309. NATIONAL SILVER COMPANY, New York, N. Y. Filed Oct. 7, 1939.

Sportmaster

For Field Glasses and Cameras.

Claims use since June 5, 1939.

Ser. No. 425,211. TAYLOR OPTICAL, INC., Detroit, Mich. Filed Nov. 3, 1939.

MONO-VIS

For Optical Lenses.

Claims use since 1929.

Ser. No. 425,218. ALLEN CALCULATORS, INCORPORATED, New York, N. Y. Filed Nov. 4, 1939.

R. C. Allen
FIGURING MACHINES

The signature is that of R. C. Allen, president of applicant corporation. The words "Figuring Machines" are disclaimed apart from the mark.

For Adding Machines, Calculators, Cash Registering Machines, and Bookkeeping Machines.

Claims use since August, 1936.

Ser. No. 425,219. ALLEN CALCULATORS, INCORPORATED, New York, N. Y. Filed Nov. 4, 1939.

R. C. Allen
CASH REGISTERING MACHINES

The signature is that of R. C. Allen, president of applicant corporation. The words "Cash Registering Machines" are disclaimed apart from the mark.

For Cash Registering Machines.

Claims use since April, 1937.

Ser. No. 425,333. ERNEST GRUNDLEHNER, Schenectady, N. Y. Filed Nov. 7, 1939.

FIGURALL

For Calculator.

Claims use since Feb. 1, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 424,568. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed Oct. 14, 1939.

DRURY LANE

For Silver and Silver Mounted Flatware (Implements With a Handle or Finger Hold for Culinary, Feeding, Serving or Personal Use); and Silver and Silver Mounted Hollow Ware (Vessels, Plates, Platters, Carriers, Covers and Supports for Storing, Holding or Covering Foods, Liquids or Commodities).

Claims use since Sept. 9, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 424,205. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Oct. 4, 1939.

SOLCO

For Paint Brushes.

Claims use since Sept. 15, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 424,752. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Oct. 20, 1939.

ROYAL FLX-I-BASE

No claim is made to the word "Base" apart from the mark.

For Bases of Rubber and Fabric for Rubber Cushions.

Claims use since Feb. 13, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 420,609. THE VENT-A-HOOD COMPANY, Dallas, Tex. Filed June 16, 1939.

VENT-A-HOOD

The word "Hood" is disclaimed apart from the mark.

For Forced Draft Hood Kitchen Ventilators.

Claims use since Nov. 20, 1935.

Ser. No. 421,705. THE LEKTROLITE CORPORATION, Stamford, Conn. Filed July 18, 1939.

GLOPOINT

For Catalytic Cigar, Cigarette, and Pipe Lighters, and Parts for Cigar, Cigarette, and Pipe Lighters.

Claims use since Dec. 19, 1938.

Ser. No. 424,877. ILLINOIS IRON & BOLT CO., Carpentersville, Ill. Filed Oct. 25, 1939.

FREEMAN

For Automatic Coal Stokers.

Claims use since Aug. 26, 1939.

Ser. No. 425,082. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Oct. 31, 1939.

LUCKY STRIKE

For Pyrophoric Cigarette Lighters.
Claims use since Mar. 1, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 425,202. JENKINS BROS., New York, N. Y., and Bridgeport, Conn. Filed Nov. 3, 1939.

96 TRADE JENKINS MARK 96

Jenkins Bros

No claim is made to the words "Trade Mark". Applicant is the owner of registration No. 54,081, (renewed), effected under the 10-year proviso and covering the name "Jenkins".
For Rubber Sheet Packing.
Claims use since July, 1896.

CLASS 36

Musical Instruments and Supplies

Ser. No. 419,045. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 3, 1939.

Tramonti

For Accordions.
Claims use since January, 1938.

CLASS 37

Paper and Stationery

Ser. No. 416,593. RIVET-O MANUFACTURING COMPANY, Orange, Mass. Filed Mar. 1, 1939.

SPEED-MO

For Stamp Pads, Rotary Daters, Time Stamps, Duplicators, Duplicating Pads, Line Daters, Line Numberers, and Finger Moisteners.
Claims use since 1921 for stamp pads; since September, 1928, for finger moisteners; since April, 1932, for rotary daters and time stamps; and since 1934 and 1935 for the others.

Ser. No. 416,810. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Filed Mar. 8, 1939.

WITE-FLOS

For Paper—Namely, Napkins, Towels, and Waxed Sheets, Particularly Lunch Rolls.
Claims use since Sept. 13, 1938.

Ser. No. 417,548. MILO F. MILLER, Kansas City, Mo. Filed Mar. 27, 1939.

LOG-O-MAP

The word "Log" is disclaimed apart from the mark.
For Expense and Data Sheets.
Claims use since Mar. 2, 1939.

Ser. No. 420,663. BROOKS BANK NOTE COMPANY, Springfield, Mass. Filed June 19, 1939. Under 10-year proviso.

BANK NOTE

PARCHMENT BOND

For Writing and Printing Paper and Mailing Envelopes.
Claims use since Jan. 1, 1889.

Ser. No. 423,490. COMMERCIAL STATIONERY & SUPPLY CO., Chattanooga, Tenn. Filed Sept. 11, 1939.

KEEN-RITE

The words "Trade Mark" are disclaimed.
For Wood Encased Lead Pencils, Notebooks, and Typewriter Paper.
Claims use since Feb. 14, 1939.

CLASS 38

Prints and Publications

Ser. No. 420,936. BUSINESS EXECUTIVE PUBLICATIONS, INC., Washington, D. C. Filed June 26, 1939.

Report for

THE BUSINESS EXECUTIVE

For Semi-Weekly Publications Reporting and Interpreting Developments of Importance to Business Men and Executives.
Claims use since June 2, 1939.

Ser. No. 422,970. WORTH PUBLISHING COMPANY, INC., New York, N. Y. Filed Aug. 24, 1939.

Champion COMICS

For Periodical Publication.
Claims use since Aug. 1, 1939.

Ser. No. 423,963. THE CHICAGO DAILY NEWS, INC., Chicago, Ill. Filed Sept. 27, 1939.

for and about WOMEN

For Section of a Periodical Publication.
Claims use since Jan. 5, 1939.

Ser. No. 424,059. PAUL C. PFEIFFER, JR., Elroy, Wis., assignor to Paul C. Pfeiffer, Sr., and Paul C. Pfeiffer, Jr., Elroy, Wis., a partnership. Filed Sept. 20, 1939.

SUPERLABS
"In Today—Out Tomorrow" Service

The words "In Today—Out Tomorrow" and "Service" are disclaimed apart from the mark.
For Photographic Prints.
Claims use since May 15, 1938.

Ser. No. 424,522. LOVE ROMANCES PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 13, 1939.

PLANET STORIES

For Periodical.
Claims use since Sept. 15, 1939.

Ser. No. 425,060. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Oct. 30, 1939.

THERAPEUTIC NOTES

For Monthly Publication.
Claims use since 1894.

Ser. No. 425,090. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 31, 1939.

Food Technology

For Periodical Published Monthly.
Claims use since June 22, 1939.

Ser. No. 425,145. GARDEN REVIEWS, INCORPORATED, Pleasantville, N. Y. Filed Nov. 2, 1939.

Garden Digest

For Publication Published Monthly or Bi-Monthly.
Claims use since May, 1931.

Ser. No. 425,247. LOVE ROMANCES PUBLISHING COMPANY, INC., New York, N. Y. Filed Nov. 4, 1939.

PLANET COMICS

For Periodical.
Claims use since Sept. 20, 1939.

Ser. No. 425,331. FRENCH-STAMATS COMPANY, Cedar Rapids, Iowa. Filed Nov. 7, 1939.

HOME IDEAS

For Periodical.
Claims use since Sept. 23, 1939.

CLASS 39

Clothing

Ser. No. 412,369. BOTANY WORSTED MILLS, Passaic, N. J. Filed Nov. 4, 1938.

SPECTRON'S

For Neckties.
Claims use since Sept. 12, 1938.

Ser. No. 421,885. LAWSON PRODUCTS, INC., Pawtucket, R. I. Filed July 24, 1939.

Marvelflex

For Men's Goods—Namely, Girdles, Briefs, Trunks, Undershirts, Cardigan Jackets, and Polo Shirts, Each Having Incorporated Elastic Strand Material.
Claims use since April, 1938.

Ser. No. 421,933. E-Z MILLS, INC., New York, N. Y. Filed July 25, 1939.

E-Z

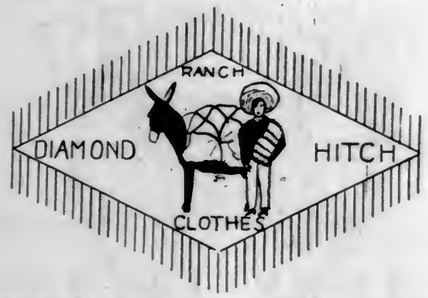
For Men's, Women's, and Children's Hosiery.
Claims use since Apr. 7, 1939.

Ser. No. 422,191. ASSOCIATED RETAIL MILLINERY, INCORPORATED, Dallas, Tex. Filed July 31, 1939.

STAGLEY TAILORED MODES

Applicant disclaims the expression "Tailored Modes".
For Hats for Women.
Claims use since July 15, 1939.

Ser. No. 422,804. JULIA ANNETTA BENNETT, Ennis, Mont., and Tucson, Ariz. Filed Aug. 21, 1939.



The words "Ranch Clothes" are disclaimed apart from the mark.

For Men's, Women's, Boys', and Girls' Ranch Clothes—Namely, Shirts of Light Wool or Cotton; Trousers of Blue Denim, Whipcord or Gabardine Cloth, Vests of Light Leather or Suede, and Jackets of Light Leather, Suede or Gabardine.

Claims use since April, 1938.

Ser. No. 422,962. VOGUE KNITTING COMPANY, Womelsdorf, Pa. Filed Aug. 24, 1939.

Do Self

For Children's Knit Underwear.
Claims use since Feb. 14, 1938.

Ser. No. 422,964. VOGUE KNITTING COMPANY, Womelsdorf, Pa. Filed Aug. 24, 1939.



For Children's Knit Underwear.
Claims use since Feb. 14, 1938.

Ser. No. 423,268. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Sept. 2, 1939.

KNIT-LASTIC

No claim is made to the word "Knit" apart from the mark.

For Braces.
Claims use since Mar. 1, 1939.

Ser. No. 424,063. RICH'S, INC., Atlanta, Ga. Filed Sept. 29, 1939.

SUPER CORRECTOR

The word "Corrector" is disclaimed per se.

For Boots, Shoes, and Slippers of Leather, Fabric, or Combinations Thereof.
Claims use since July 18, 1939.

Ser. No. 424,455. ALPHA MILLS, INC., Schuylkill Haven, Pa. Filed Oct. 12, 1939.

"Alphettes"

For General Line of Men's, Women's, and Children's Underwear and Nether Garments—Namely, Shorts, Shirts, Panties, Vests, Union Suits, Bloomers, Pajamas, Bed-Jackets, Outer Shirts, Slips, and Sweaters.
Claims use since July 10, 1939.

Ser. No. 424,674. WEBER AND HEILBRONER, INC., New York, N. Y. Filed Oct. 18, 1939.

STORMTOWN

For Men's and Boys' Hats, Caps, Overcoats, Top Coats, Raincoats, Trousers, Jackets, Coats, Knitted Jackets, Sport Coats, Vests, Sweaters, Pullovers, Snow Suits, and Leather and Fabric Gloves.
Claims use since Sept. 1, 1939.

Ser. No. 424,746. VANITY FAIR SILK MILLS, Reading, Pa. Filed Oct. 20, 1939.

MISS VANITY

For Slips and Pettiskirts.
Claims use since Dec. 6, 1935.

Ser. No. 424,782. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 21, 1939.

Cresmaid

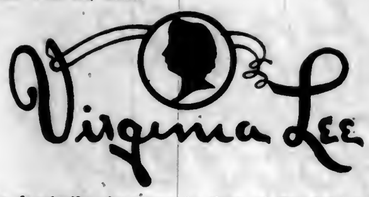
For Slips and Foundation Garments—Namely, Corsets, Girdles, Combinations (Girdle and Brassière Combined to Form One Garment), Brassières, and Bandeaux.
Claims use since Oct. 3, 1939.

Ser. No. 424,792. ARCHER HOSIERY MILLS, Columbus, Ga. Filed Oct. 23, 1939.

Enerized

For Hosiery.
Claims use since Sept. 19, 1939.

Ser. No. 424,828. SUSSEX SALES CORP., New York, N. Y. Filed Oct. 23, 1939.



The facsimile signature is that of Virginia Lee. The portrait is fanciful.

For Ladies' and Children's Underwear.
Claims use since Sept. 29, 1939.

Ser. No. 424,834. CLEARSPUN HOSIERY COMPANY, INC., New York, N. Y. Filed Oct. 24, 1939.



No claim is made to the word "Smartfit" apart from the mark.

For Hosiery.
Claims use since June 7, 1939.

Ser. No. 424,858. AARON ROTHCHILD, New York, N. Y. Filed Oct. 24, 1939.

Coco-Nut

For Ladies' Hats.
Claims use since Sept. 9, 1939.

Ser. No. 424,879. CHARLES KARTIGANER, doing business as Kartiganer & Co., New York, N. Y. Filed Oct. 25, 1939.

Roulette

For Ladies' and Children's Hats.
Claims use since Aug. 1, 1932.

Ser. No. 424,919. LEWEL MFG. CO., INC., New York, N. Y. Filed Oct. 26, 1939.

Little Middle

For Girdles.
Claims use since Aug. 25, 1939.

Ser. No. 424,941. C. CRAWFORD HOLLIDGE, LTD., Boston, Mass. Filed Oct. 26, 1939.

DURAFON

For Hosiery.
Claims use since January, 1930.

Ser. No. 424,944. LOUIS GOLDSMITH, INC., Philadelphia, Pa. Filed Oct. 24, 1939.

COUPLER

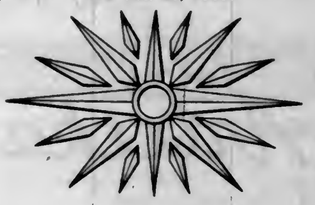
For Men's and Boys' Suits, Coats, Vests, Trousers, Overcoats, Dress Suits, and Scarfs.
Claims use since Aug. 14, 1939.

Ser. No. 424,945. LOUIS GOLDSMITH, INC., Philadelphia, Pa. Filed Oct. 24, 1939.

SPORTRIO

For Men's and Boys' Suits, Coats, Vests, Trousers, Overcoats, Dress Suits, and Scarfs.
Claims use since Aug. 25, 1939.

Ser. No. 424,989. BEEBEE BROTHERS RUBBER COMPANY, Nashua, N. H. Filed Oct. 28, 1939.



Step-a-long

For Heels and Soles of Rubber and Rubber Composition.
Claims use since Aug. 22, 1939.

Ser. No. 425,006. MYLISH, MANN & DRUCKER, Philadelphia, Pa. Filed Oct. 28, 1939.

Nelson-Paige

For Dress Shirts.
Claims use since Sept. 26, 1939.

Ser. No. 425,093. N & W OVERALL CO. INC., Lynchburg, Va. Filed Oct. 31, 1939.

The Big Favorite

For Work Shirts, Work Pants, Overalls, Jumpers, and Jackets.
Claims use since Oct. 18, 1939.

Ser. No. 425,336. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Nov. 7, 1939.

"BOTTOMS-UP"

For Hosiery.
Claims use since Oct. 18, 1939.

Ser. No. 425,340. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Nov. 7, 1939.

Pacafora

For Women's and Misses' Skirts, Waists, Suits, Coats, Dresses, and Pajamas; Children's Rompers, Dresses, and Suits; Men's and Boys' Suits, Coats, and Trousers.
Claims use since May 12, 1939.

Ser. No. 425,398. WILLIAM F. FRETZ & SON, Doylestown, Pa. Filed Nov. 8, 1939.

Arteeka

For Trousers.
Claims use since Sept. 15, 1939.

Ser. No. 425,421. ORANGE KNITTING MILLS, INC., Orange, Va. Filed Nov. 8, 1939.

FOLLOW-UPS

For Hosiery.
Claims use since July 24, 1939.

Ser. No. 425,449. BERMUDA KNITWEAR CORPORATION, New York, N. Y. Filed Nov. 9, 1939.

"Rowdy Dowdy"

For Sweaters, Sweat Shirts, Bathing Suits, for Men, Women, and Children.
Claims use since June, 1939.

Ser. No. 425,458. CORNBLEET BROTHERS, Henderson, Ky. Filed Nov. 9, 1939.

NEW ARRIVAL

For Women's Maternity Dresses.
Claims use since Sept. 20, 1939.

Ser. No. 425,503. JACOB WOLF, doing business as Rhythm Hosiery Company, Baltimore, Md. Filed Nov. 9, 1939.

RHYTHO

For Stockings.
Claims use since Nov. 7, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 421,561. BELDING HEMINWAY COMPANY, New York, N. Y. Filed July 14, 1939.

MELLOWGLO

For Blanket Binding Made of Silk, Cotton and Silk, Silk and Wool, and Rayon.
Claims use since Oct. 4, 1926.

Ser. No. 424,848. WILLIAM FINKELSTEIN, doing business as Eastern Trading Co., New York, N. Y. Filed Oct. 24, 1939.

PERMA-BOB PINS

No claim is made to the words "Bob Pins" apart from the mark.
For Bob Pins Made of Metal Wire.
Claims use since Sept. 15, 1939.

Ser. No. 424,849. WILLIAM FINKELSTEIN, doing business as Eastern Trading Co., New York, N. Y. Filed Oct. 24, 1939.

PERMA-CURLER

No claim is made to the word "Curler" apart from the mark.
For Non-Electrical Hair Curlers and Combs.
Claims use since Sept. 15, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 420,641. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed June 17, 1939.

Sleepheart by Nashua

Applicant is owner of trade-mark registration No. 87,647, effected under the ten-year proviso.
For Blankets Made of Cotton, Wool, or Synthetic Fibre, and Any Combination Thereof.
Claims use since June 8, 1939.

Ser. No. 421,991. BARTMANN & BIXER, INC., New York, N. Y. Filed July 27, 1939.

FACINETTE

For Window Curtains.
Claims use since June 25, 1939.

Ser. No. 422,570. BOEPPLE SPORTSWEAR MILLS, INC., New York, N. Y. Filed Aug. 14, 1939.

Ribbonnière

For Piece Goods Made of Cotton, Silk, and Rayon Ribbon.
Claims use since Mar. 30, 1939.

Ser. No. 422,684. EASTERN CARPETS, INC., New York, N. Y. Filed Aug. 17, 1939.

海京

"HAI CHING SUPER"

The Chinese Characters are Translated as "Sea Capital".
For Rugs and Carpets of Textile Fabric and Also Chair Coverings in the Piece of Textile Fabrics.
Claims use since 1935.

Ser. No. 423,274. HAROLD C. MYERS, doing business as E. B. Myers Co., Los Angeles, Calif. Filed Sept. 2, 1939.

Sandeze

For Cotton Piece Goods Sold as Such.
Claims use since Feb. 4, 1935.

Ser. No. 424,525. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 13, 1939.

Decorator Styles

Applicant disclaims the words "Decorator Styles" apart from the mark.
For Window Curtains.
Claims use since May 3, 1939.

Ser. No. 424,680. BLOOMSBURG SILK MILL, New York, N. Y. Filed Oct. 19, 1939.

"Swing Parade"
BY BLOOMSBURG

Applicant disclaims the word "Bloomsburg" apart from the mark.
For Rayon Piece Goods of Acetate, Sueding Wool Finish, Crepe Fabric.
Claims use since Sept. 15, 1939.

Ser. No. 424,718. ELLERY PRODUCTS MANUFACTURING CO. INC., New York, N. Y. Filed Oct. 20, 1939.

Crescilla

For Window Drapes and Hangings.
Claims use since Oct. 2, 1939.

Ser. No. 424,784. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Oct. 21, 1939.

DOWNAP

For Blankets and Piece Goods of Cotton, Wool, Silk, Rayon, and Mixtures Thereof.
Claims use since Oct. 25, 1916.

Ser. No. 424,992. JOHN S. BROWN & SONS, LIMITED, Belfast, Northern Ireland. Filed Oct. 28, 1939.

COLLEEN

For Cotton Piece Goods.
Claims use since 1910.

Ser. No. 425,071. TABIN-PICKER & COMPANY, Chicago, Ill. Filed Oct. 30, 1939.

Shiffosheer

For Rayon Piece Goods.
Claims use since Mar. 15, 1939.

Ser. No. 425,275. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 6, 1939.

Krinkledown

For Piece Goods of Silk, Cotton, Rayon, and Mixtures Thereof.
Claims use since July 25, 1939.

Ser. No. 425,339. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Nov. 7, 1939.

Pacalora

For Fabrics in the Piece of Worsted, Flannel, Cotton, Silk, Rayon, Wool, Linen, and/or Combinations Thereof.
Claims use since May 12, 1939.

Ser. No. 425,450. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 9, 1939.

BASKANESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Nov. 7, 1939.

Ser. No. 425,507. THE APPONAUG COMPANY, Apponaug, R. I. Filed Nov. 10, 1939.

PLISSELÉ

For Piece Goods of Cotton, Rayon, Linen, or Wool, or Mixtures Thereof.
Claims use since Oct. 10, 1939.

Ser. No. 425,538. SUSSBERG & FEINBERG, INC., New York, N. Y. Filed Nov. 10, 1939.

RAELLE

For Piece Goods of Silk, Rayon, Artificial Silk, and Mixtures Thereof.
Claims use since Nov. 1, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 420,863. KAYSAM CORPORATION OF AMERICA, Passaic, N. J. Filed June 23, 1939.

KAYSAM

For Rubber Bulbs for Sprayers, Atomizers, Syringes, and Aspirators.
Claims use since Mar. 22, 1939.

Ser. No. 425,123. THE PYRAMID RUBBER COMPANY, Ravenna, Ohio. Filed Nov. 1, 1939.

IDEAL

For Applicators and Medicine Droppers.
Claims use since July 31, 1939.

Ser. No. 425,707. WILLIAM C. RAST, doing business as Mediped Sales Service Co., Seattle, Wash. Filed Nov. 16, 1939.

MED-I-PED

For Automatic Prophylaxis Dispenser for Medicinal Preparations.
Claims use since Feb. 15, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 424,292. BLUE SEAL EXTRACT CO., Cambridge, Mass. Filed Oct. 7, 1939.



The words "King Orange" are disclaimed apart from the mark.
For Nonalcoholic, Noncereal, Maltless Beverage Sold as an Orange Drink, and Sirup and Extract for Making the Same.
Claims use since Apr. 5, 1939.

Ser. No. 424,530. VARIETY CLUB BEVERAGE CO., Toledo, Ohio. Filed Oct. 13, 1939.

Variety Sparkles

For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, Soda Fountain Syrups, Bottlers' Flavors and Concentrates, and Carbonated Water.
Claims use since July 7, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 412,247. B & M FOOD DEALERS COOPERATIVE, INC., New York, N. Y. Filed Nov. 1, 1938.

QUEEN PEARL

For Canned and Bottled Fish.
Claims use since Aug. 15, 1938.

Ser. No. 415,433. CONSOLIDATED DAIRY PRODUCTS COMPANY, Seattle, Wash. Filed Jan. 31, 1939. Under the act of Feb. 20, 1905, as amended June 10, 1938.

DARIGOLD

The applicant is the owner of registration No. 150,147, issued December 27, 1921.
For Evaporated Milk, Butter (Salted and Unsalted), Buttermilk Powder, Whole Milk Powder, Skim Milk Powder for Human Consumption, Condensed Buttermilk, Cheese, Ice Cream, Bottled Milk, Homogenized Bottled Milk, Animal Feeds Including Skim Milk Powder, Milk Mash, Egg Mash, Dairy Feed and Chick Mash.
Claims use since Dec. 17, 1921.

Ser. No. 417,467. H. A. MARR GROCERY COMPANY, Denver, Colo. Filed Mar. 24, 1939.

BRIMFULL

For Canned Fruits, Canned Vegetables, Canned Pork and Beans, Canned Chili Con Carne, Canned Sardines, Canned Shrimp, Tomato Catsup, Mustard, Apple Butter, Rolled Oats, Graham Crackers, Oyster Crackers, Pancake Flour, Tea, Coffee, and Pickles.
Claims use since 1926.

Ser. No. 420,360. D'ARRIGO BROS. COMPANY, San Jose, Calif. Filed June 10, 1939.



The representation of a label and the notation "Special Pack" are disclaimed apart from the mark. The drawing is lined for black and red.
For Fresh Vegetables.
Claims use since Apr. 20, 1939.

Ser. No. 420,382. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed June 10, 1939.

MEAD'S

For Specially Prepared Food in Powdered Form For Infants and Invalids; Specially Prepared Calcium Caseinate For Preparing Protein Milk; Powdered Whole Milk; Specially Prepared Cereal Enriched with Mineral and Vitamin Containing Foods; Brewers Yeast, Powdered and in Tablets; Powdered Beef Bone For Human Use; Lactic Acid Milk and Protein Milk.
Claims use since Apr. 1, 1926.

Ser. No. 422,338. S. H. KRESS AND COMPANY, New York, N. Y. Filed Aug. 5, 1939.

Clix

Applicant is the owner of United States trade-mark registration Number 359,853, registered August 30, 1938.
For Crackers and Chewing Gum.
Claims use since Oct. 15, 1936, on crackers; and since Apr. 5, 1938, on chewing gum.

Ser. No. 423,243. UNION FISHERMEN'S CO-OPERATIVE PACKING CO., Astoria, Oreg. Filed Sept. 1, 1939.

CO-OPERATORS' BEST

No claim is made to the word "Best" apart from the mark.
For Canned Salmon and Canned Tuna.
Claims use since June 1, 1897, on canned salmon; and since Sept. 1, 1938, on canned tuna.

Ser. No. 423,324. MAURICE H. AUERBACH, doing business as Old Smoky Sales Co., San Francisco, Calif. Filed Sept. 6, 1939.

OLD SMOKY

For Seasoning For Meats, Poultry, and Fish.
Claims use since May 15, 1939.

Ser. No. 423,340. CLARENCE A. RICKER, Duxbury, Mass. Filed Sept. 6, 1939.

MASS-A-SOIT BRAND RED SKIN CRANBERRIES

No claim is made to the words "Red Skin", "Cranberries", and "Brand" apart from the mark.
For Fresh Cranberries.
Claims use since Aug. 29, 1939.

Ser. No. 423,871. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Filed Sept. 22, 1939.

tips

For Chewing Gum.
Claims use since Sept. 1, 1939.

Ser. No. 424,151. ACME MACARONI & CRACKER CO., INC., Los Angeles, Calif. Filed Oct. 3, 1939.



For Alimentary Paste Products—Namely, Macaroni.
Claims use since Sept. 15, 1939.

Ser. No. 424,152. ACME MACARONI & CRACKER CO., INC., Los Angeles, Calif. Filed Oct. 3, 1939.

Gold Stem

For Semolina.
Claims use since Sept. 15, 1939.

Ser. No. 424,369. ROBERTS COMPANY, Toledo, Ohio. Filed Oct. 9, 1939.

MARVEL POPCORN

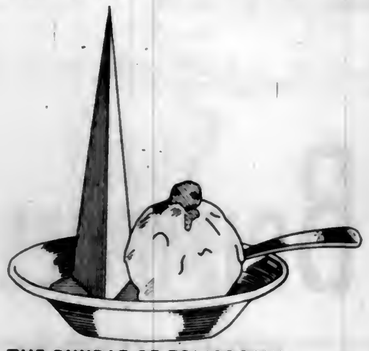
The word "Popcorn" is disclaimed.
For Popcorn, Raw, French-Fried, and Caramelized.
Claims use since Jan. 23, 1937.

Ser. No. 424,382. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Oct. 11, 1939.

BIG TOWN

For Wheat and Rye Flour.
Claims use since Dec. 5, 1938.

Ser. No. 424,403. MORGENSTEIN, INC., New Orleans, La. Filed Oct. 10, 1939.



THE SUNDAE OF TOMORROW

No claim is made to the word "Sundae" apart from the mark.
For Packaged Ice Cream Sold to the Trade as Such.
Claims use since June 17, 1939.

Ser. No. 424,505. GEORGE B. VROOMAN, INC., Philadelphia, Pa. Filed Oct. 12, 1939.

TUXY

For Tomato Juice, Spaghetti Sauce, Jellies, Pickles, Pickled Cucumbers, Canned Vegetables, Canned Fruits, Vinegar, and Salt, Canned Citrus Juices For Food Purposes, Canned Vegetable Juices For Food Purposes, Strawberry Preserves, Apricot Preserves, Peach Preserves, Grape Preserves, Orange Marmalade, Apple Butter, Pickle Relish Spread and Cereal Breakfast Food Made from Grain, Such as Buckwheat, Barley, Rice and Millet.
Claims use since January, 1937.

Ser. No. 424,580. DOMINION STORES LIMITED, Toronto, Canada. Filed Oct. 16, 1939.

RICHMELLO

For Coffee.
Claims use since Sept. 1, 1922.

Ser. No. 424,596. EVERETT JOHNSTON, doing business as California Avocado Distrs., Vista, Calif. Filed Oct. 16, 1939.

Goldkist

For Fresh Fruits—Namely, Fresh Avocados.
Claims use since Feb. 16, 1939.

Ser. No. 424,597. EVERETT JOHNSTON, doing business as Subtropical Sales Co., Vista, Calif. Filed Oct. 16, 1939.

TROPIGADO

For Fresh Fruits—Namely, Fresh Avocados.
Claims use since Feb. 16, 1939.

Ser. No. 424,659. GENERAL MILLS, INC., Minneapolis, Minn. Filed Oct. 18, 1939.

SUREMINK

Applicant is the owner of U. S. Trade-Mark Registrations Nos. 333,962, 302,765, 338,940, 366,891, 217,026, 275,839, 128,524, 128,523, 181,550, 128,522, and 219,867.
For Food for Carnivorous Animals, More Particularly for Mink Food.
Claims use since June 14, 1939.

Ser. No. 424,767. DOG AND CAT FOOD PRODUCTS, INC., New York, N. Y. Filed Oct. 21, 1939.



For Canned Dog Food.
Claims use since Mar. 22, 1939.

Ser. No. 424,778. ROY MARANVILLE, East Hampton, N. Y. Filed Oct. 21, 1939.

BONAC

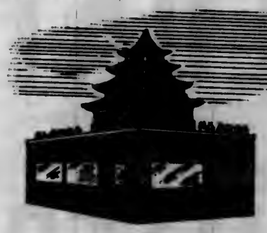
For Canned Clam Chowder.
Claims use since Apr. 1, 1939.

Ser. No. 425,036. THE ACME FLOUR MILLS CO., Oklahoma City, Okla. Filed Oct. 30, 1939.

CRAZY QUILT

For Wheat Flour.
Claims use since August, 1939.

Ser. No. 425,095. PAGODAS INCORPORATED, Newark, N. J. Filed Oct. 31, 1939.



PAGODA

For Chow Mein in Bulk and Patty Form.
Claims use since Mar. 1, 1938.

Ser. No. 425,143. FEDERATED FOODS, INC., Wilmington, Del., and San Francisco, Calif. Filed Nov. 2, 1939.

GLEN PARK

For Canned Fruits.
Claims use since May 24, 1939.

Ser. No. 425,148. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Nov. 2, 1939.

MULSICHESE

For Powder Emulsifying Composition for Making Spreads with a Cheese Component.
Claims use since July 5, 1939.

Ser. No. 425,149. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Nov. 2, 1939.

MULSIFAT

For Powdered Emulsifying Composition for Emulsifying Fats into Food Products.
Claims use since Jan. 19, 1939.

Ser. No. 425,150. THE GRIFFITH LABORATORIES, INC., doing business as The Griffith Laboratories, Chicago, Ill. Filed Nov. 2, 1939.

GOLDEN
SMOKE NUGGETS

For Compressed Unit Containing Spice Products and Other Flavoring Ingredients for Flavoring Smoke in Smoking Meat Products and the Like.
Claims use since Sept. 13, 1938.

Ser. No. 425,255. READY FOODS COMPANY, INC., doing business as Hi-Life Packing Company, Chicago, Ill. Filed Nov. 4, 1939.

HI-LIFE

For Canned Dog Food.
Claims use since July 31, 1939.

Ser. No. 425,400. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

FLOATS

For Oat Cereal Breakfast Food.
Claims use since Oct. 10, 1939.

Ser. No. 425,401. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

HITS

For Oat Cereal Breakfast Food.
Claims use since Oct. 10, 1939.

CLASS 47

Wines

Ser. No. 419,398. SAN GABRIEL WINE CO., INC., New York, N. Y. Filed May 13, 1939.



For Wines.
Claims use since December, 1933.

CLASS 49

Distilled Alcohol Liquors

Ser. No. 420,580. THE GOVERNOR AND COMPANY OF ADVENTURERS OF ENGLAND TRADING INTO HUDSON'S BAY, doing business as Hudson's Bay Company, London, England, and Winnipeg, Manitoba, Canada. Filed June 16, 1939.

HUDSON'S BAY
1670

Applicant is the owner of registration No. 310,253, effected under the 10-year proviso and covering the words "Hudson's Bay".
For Whisky and Cognac.
Claims use since June, 1937.

Ser. No. 423,134. HAIG & HAIG LIMITED, Glasgow, Scotland. Filed Aug. 30, 1939.

HAIG & HAIG
FIVE STAR

Applicant is the owner of registrations 194,278 and 359,367, effected under the 10-year proviso, and covering the name "Haig & Haig".
For Scotch Whisky.
Claims use since Jan. 20, 1925.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 419,281. THE TRIDENT CORPORATION, New York, N. Y. Filed May 10, 1939.

TRIDENT

For Bowl Covers Made of Oil Silk.
Claims use since Apr. 21, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 2, 1940

374,062. ELECTRICALLY OPERATED COMBINATION PHONOGRAPH AND RADIO. MARCONI BROS. INC., New York, N. Y.
Filed August 8, 1935. Serial No. 368,109. PUBLISHED AUGUST 10, 1937. Class 21.

374,063. FISHING REELS. HYLA F. MAYNES, North Tonawanda, N. Y., assignor to Spiral Wind Fish Reel Company, Inc., Buffalo, N. Y., a corporation of New York.
Filed June 25, 1936. Serial No. 380,215. PUBLISHED OCTOBER 17, 1939. Class 22.

374,064. MACHINE OPERATED BRUSHES, INCLUDING THOSE USED IN THE DAIRY INDUSTRY. LOUIS E. MACK, Harrisburg, Pa.
Filed February 25, 1937. Serial No. 389,363. PUBLISHED OCTOBER 24, 1939. Class 23.

374,065. HEAT INSULATING PADS CONSTRUCTED WITH A CASING OR WALL OF PAPER, CARDBOARD OR THE LIKE HAVING A FILLING OF COMMINUTED MATERIAL WETTED WITH A LIQUID AND ADAPTED TO BE FROZEN TO PROVIDE COVERINGS FOR ICE CREAM OR OTHER FROZEN PRODUCTS. CHARLES E. HADSELL, Los Angeles, Calif.
Filed May 6, 1937. Serial No. 392,359. PUBLISHED OCTOBER 24, 1939. Class 31.

374,066. CANDY. R. H. MACY & CO., INC., New York, N. Y.
Filed August 27, 1937. Serial No. 396,823. PUBLISHED OCTOBER 24, 1939. Class 46.

374,067. ARC LAMPS AND CARBONS FOR PRODUCING LIGHT. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed October 9, 1937. Serial No. 398,323. PUBLISHED OCTOBER 24, 1939. Class 21.

374,068. KNITTED PIECE GOODS OF RAYON AND WOOL PULLED AND SHEERED, RAYON AND SILK, AND COMBINATIONS OF THESE MATERIALS. HOLLY-MAID SPORTWEAR MILLS CO., Los Angeles, Calif.
Filed November 1, 1937. Serial No. 399,189. PUBLISHED OCTOBER 24, 1939. Class 42.

374,069. SOYBEAN FLOUR SOLD FOR USE IN MAKING ADHESIVES, PLASTICS, PAINTS, INSECTICIDES, AND SIZINGS AND COATINGS FOR PAPER. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed November 12, 1937. Serial No. 399,657. PUBLISHED FEBRUARY 14, 1939. Class 1.

374,070. MASSAGE APPLIANCES, AND NAIL TRIMMING AND BUFFING ATTACHMENTS, OPERATED BY MOTORS WHICH ARE HELD IN THE HAND. REMINGTON RAND INC., Buffalo, N. Y.
Filed December 4, 1937. Serial No. 400,470. PUBLISHED AUGUST 15, 1939. Class 44.

374,071. BASE METAL FRYING PANS, TEAKETTLES, SAUCEPANS, STEWKETTLES, BROILING PLATTERS, AND BAKING POTS. FOSTER L. TALGE, doing business as Rival Manufacturing Company, Kansas City, Mo.
Filed January 6, 1938. Serial No. 401,625. PUBLISHED OCTOBER 24, 1939. Class 13.

374,072. SEASONINGS FOR IMPROVING SOUPS, SAUCES, GRAVIES, MEAT AND VEGETABLE DISHES; SOUPS, CONSOMMES, ETC. MAGGI CO., INC., New York, N. Y.
Filed April 12, 1938. Serial No. 405,175. PUBLISHED OCTOBER 17, 1939. Class 46.

374,073. ELECTRICAL MEASURING INSTRUMENTS AND ELECTRICAL TESTING INSTRUMENTS—NAMELY, INSTRUMENTS FOR MEASURING ANY ONE OR MORE OF THE FOLLOWING QUANTITIES—NAMELY, ELECTRICAL CURRENT, VOLTAGE, RESISTANCE, CAPACITY, POWER, INDUCTANCE, AND DECIBELS, ETC. THE AUTOMATIC COIL WINDER AND ELECTRICAL EQUIPMENT COMPANY LIMITED, London, England.
Filed May 18, 1938. Serial No. 406,436. PUBLISHED OCTOBER 24, 1939. Class 26.

374,074. WEEKLY PERIODICAL OF PARTICULAR INTEREST TO YOUTH. INSTITUTE OF VISUAL GUIDANCE, Buffalo, N. Y.
Filed May 24, 1938. Serial No. 406,683. PUBLISHED OCTOBER 10, 1939. Class 38.

374,075. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed June 10, 1938. Serial No. 407,337. PUBLISHED OCTOBER 17, 1939. Class 2.

374,076. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed July 2, 1938. Serial No. 408,171. PUBLISHED SEPTEMBER 26, 1939. Class 6.

374,077. SPARK PLUGS. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill.
Filed July 5, 1938. Serial No. 408,196. PUBLISHED NOVEMBER 1, 1938. Class 21.

374,078. SPARK PLUGS. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill.
Filed July 5, 1938. Serial No. 408,199. PUBLISHED NOVEMBER 1, 1938. Class 21.

374,079. AXES. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed July 14, 1938. Serial No. 408,490. PUBLISHED OCTOBER 18, 1938. Class 23.

374,080. ELECTRIC COOKING RANGES. GEORGE W. GARMAN, INCORPORATED, Camden, N. J.
Filed July 23, 1938. Serial No. 408,839. PUBLISHED OCTOBER 24, 1939. Class 21.

374,081. WOMEN'S KNITTED SWEATERS. MORGAN & GOETZE KNITTING MILLS, INC., Irvington, N. J.
Filed August 1, 1938. Serial No. 409,134. PUBLISHED OCTOBER 3, 1939. Class 39.

374,082. PROFILE GRINDING MACHINES AND PARTS THEREOF. ERNST KRAUSE & CO. AKTIENGESELLSCHAFT, Vienna, Austria.
Filed August 3, 1938. Serial No. 409,226. PUBLISHED OCTOBER 24, 1939. Class 23.

374,083. VENTILATING LOUVERS. ADJUSTABLE LOUVER CORPORATION, Brooklyn, N. Y.
Filed August 22, 1938. Serial No. 409,859. PUBLISHED OCTOBER 24, 1939. Class 34.

374,084. METALS, METAL CASTINGS AND FORGINGS COMPOSED LARGELY OF MAGNESIUM. BOHN ALUMINUM & BRASS CORPORATION, Detroit, Mich.
Filed October 3, 1938. Serial No. 411,208. PUBLISHED OCTOBER 24, 1939. Class 14.

374,085. RAZOR BLADES. GOTHAM SALES COMPANY INC., New York, N. Y.
Filed October 10, 1938. Serial No. 411,452. PUBLISHED OCTOBER 24, 1939. Class 23.

374,086. PHONOGRAPHS AND TALKING MACHINES FOR THE RECEPTION AND REPRODUCTION OF TONE RECORDS, TONE RECORD HOLDERS, GRAMOPHONE RECORDS, ETC. DEUTSCHE GRAMMOPHON GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin-Tempelhof, Germany.
Filed October 12, 1938. Serial No. 411,523. PUBLISHED OCTOBER 24, 1939. Class 36.

374,087. PHONOGRAPHS AND TALKING MACHINES FOR THE RECEPTION AND REPRODUCTION OF TONE RECORDS, TONE RECORD HOLDERS, GRAMOPHONE RECORDS, ETC. DEUTSCHE GRAMMOPHON GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin-Tempelhof, Germany.
Filed October 12, 1938. Serial No. 411,524. PUBLISHED OCTOBER 24, 1939. Class 36.

374,088. POTTERY TABLE AND KITCHEN WARE, PARTICULARLY BOWLS, PLATES, DISHES, PITCHERS, CUPS, AND SAUCERS. SHAWNEE POTTERY CO., Zanesville, Ohio.
Filed October 21, 1938. Serial No. 411,910. PUBLISHED JULY 25, 1939. Class 30.

374,089. BOTTLE SPRAYERS, INSECTICIDE SPRAYERS, HATCHETS, HAMMERS, FILES, TOOL HANDLES, BOTTLE OPENERS, ETC. S. H. KRESS AND COMPANY, New York, N. Y.
Filed October 27, 1938. Serial No. 412,105. PUBLISHED OCTOBER 24, 1939. Class 23.

374,090. CLEANING PREPARATIONS FOR POOLS, SHOWERS, FLOORS, WASHBOWLS, TOILETS, BATH TUBS, MARBLE, TILE, WOODWORK, AND PAINTED SURFACES; AND A METAL CLEANING PREPARATION. CHARLES D. BERMAN, doing business as Berman Chemical Company, Toledo, Ohio.
Filed November 2, 1938. Serial No. 412,283. PUBLISHED OCTOBER 24, 1939. Class 4.

374,091. POTATOES. FARMERS COOPERATIVE MARKETING ASSN., East Grand Forks, Minn.
Filed November 3, 1938. Serial No. 412,336. PUBLISHED OCTOBER 24, 1939. Class 46.

374,092. DIRECTION AND/OR RATE OF LIQUID FLOW INDICATORS. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind.
Filed November 10, 1938. Serial No. 412,584. PUBLISHED OCTOBER 24, 1939. Class 26.

374,093. CARBURETORS AND CARBURETION SYSTEMS FOR ALL CLASSES OF INTERNAL COMBUSTION ENGINES REQUIRING FUEL CARBURETION, INCLUDING AUTOMOTIVE, MARINE, AIRCRAFT, TRACTOR, AND STATIONARY ENGINES. CARL M. PAGE, Long Beach, Calif.
Filed November 21, 1938. Serial No. 413,026. PUBLISHED OCTOBER 24, 1939. Class 23.

374,094. FIBERS OF WOOL, COTTON, SILK, LINEN, HEMP, JUTE, CASEIN, RAYON, AND CELLULOSE ACETATE. COMPTOIR DES TEXTILES ARTIFICIELS, Paris, France.
Filed December 14, 1938. Serial No. 413,819. PUBLISHED OCTOBER 24, 1939. Class 1.

374,095. PIANOS. FRANK KOPS, doing business as Kops Piano House, Great Falls, Mont.
Filed December 17, 1938. Serial No. 413,950. PUBLISHED OCTOBER 24, 1939. Class 36.

374,096. METAL POLISH FOR COPPER, BRASS, BRONZE, CHROMIUM, NICKEL, GOLD, SILVER, AND THE LIKE. THE NU-MET CHEMICAL CORPORATION, New York, N. Y.
Filed January 3, 1939. Serial No. 414,464. PUBLISHED SEPTEMBER 12, 1939. Class 4.

374,097. MISSES' AND JUNIORS' COATS. FRED P. WEISSMAN INC., New York, N. Y.
Filed January 3, 1939. Serial No. 414,479. PUBLISHED OCTOBER 3, 1939. Class 39.

374,098. LENSES FOR USE IN MAKING UP EYE GLASSES AND SPECTACLES TO REGULAR OCULISTS' PRESCRIPTIONS. TITMUS OPTICAL COMPANY, Petersburg, Va.
Filed January 17, 1939. Serial No. 414,928. PUBLISHED OCTOBER 24, 1939. Class 26.

374,099. OIL HEATING BURNERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 23, 1939. Serial No. 415,148. PUBLISHED OCTOBER 24, 1939. Class 34.

374,100. METALLIC CLOSURES FOR CONTAINERS. WILLIAMS SEALING CORPORATION, Decatur, Ill.
Filed January 31, 1939. Serial No. 415,465. PUBLISHED OCTOBER 24, 1939. Class 50.

374,101. COFFEE. ALBERT EHLERS, INC., Brooklyn, N. Y.
Filed February 10, 1939. Serial No. 415,881. PUBLISHED OCTOBER 24, 1939. Class 46.

374,102. TOFFEE. JOHN MACKINTOSH & SONS, LTD. INC., Boston, Mass.
Filed February 17, 1939. Serial No. 416,150. PUBLISHED OCTOBER 24, 1939. Class 46.

374,103. WATER REPELLANT PIECE GOODS—NAMELY, POPLINS, GABARDINES, BROADCLOTHS, TWILLS, LOOM CLOTHS, AND THE LIKE. JOSEPH BANCROFT & SONS CO., Wilmington, Del.
Filed February 24, 1939. Serial No. 416,362. PUBLISHED OCTOBER 24, 1939. Class 42.

374,104. ALIMENTARY PASTE PRODUCTS—NAMELY, SPAGHETTI, MACARONI, ALPHABETS, RINGS, SEA SHELLS, FUSILLI, ETC. RAVARINO & FRESCHI, INC., St. Louis, Mo.
Filed February 28, 1939. Serial No. 416,517. PUBLISHED OCTOBER 24, 1939. Class 46.

374,105. POTTERY—NAMELY, DINNER SETS COMPOSED OF PLATES, BOWLS, CUPS, SAUCERS, PLATTERS, SERVING DISHES, ETC. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo.
Filed March 1, 1939. Serial No. 416,572. PUBLISHED JUNE 6, 1939. Class 30.

374,106. SLIDE FASTENERS. CONMAR PRODUCTS CORPORATION, Bayonne, N. J.
Filed March 4, 1939. Serial No. 416,682. PUBLISHED OCTOBER 24, 1939. Class 13.

374,107. LIQUID MEASURING AND DISPENSING APPARATUS EQUIPPED WITH HOSE STORAGE DEVICES. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind.
Filed March 7, 1939. Serial No. 416,761. PUBLISHED OCTOBER 24, 1939. Class 26.

374,108. DECORATED PILLOW TOPS. MABEL E. STAUFFER, Belding, Mich.
Filed March 10, 1939. Serial No. 416,925. PUBLISHED OCTOBER 17, 1939. Class 40.

374,109. LAUNDRY WASHING MACHINES. THE BARTON CORPORATION, West Bend, Wis.
Filed March 13, 1939. Serial No. 416,991. PUBLISHED OCTOBER 17, 1939. Class 24.

374,110. TEXTILE SPINDLES AND PARTS THEREOF. THE MARQUETTE METAL PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 17, 1939. Serial No. 417,178. PUBLISHED OCTOER 24, 1939. Class 23.

374,111. VISIBLE INDEXING CARDS. VISIBLE INDEX CORP., New York, N. Y.
Filed March 17, 1939. Serial No. 417,191. PUBLISHED AUGUST 1, 1939. Class 37.

374,112. LEATHER SHOES. THE COWARD SHOE, INC., New York, N. Y.
Filed April 6, 1939. Serial No. 417,904. PUBLISHED OCTOBER 17, 1939. Class 39.

374,113. REFRIGERATORS AND PARTS THEREOF. BORG-WARNER CORPORATION, Chicago, Ill., and Detroit, Mich.
Filed April 8, 1939. Serial No. 417,997. PUBLISHED OCTOBER 24, 1939. Class 31.

374,114. COLLAPSIBLE TUBES. AKTIEBOLAGET SVENSKA KAPSYLFABRIKEN, Stockholm, Sweden.
Filed April 12, 1939. Serial No. 418,128. PUBLISHED OCTOBER 10, 1939. Class 2.

374,115. ELECTRIC COOKING APPLIANCES, ELECTRIC FOOD WARMERS, ELECTRIC CASSEROLES, AND THE LIKE. NAXON UTILITIES CORP., Chicago, Ill.
Filed April 13, 1939. Serial No. 418,206. PUBLISHED OCTOBER 24, 1939. Class 21.

374,116. SHOES OF LEATHER, RUBBER, AND OTHER FABRICS OR MATERIALS, AND COMBINATIONS THEREOF. LINUS W. BAGG, Newark, N. J.
Filed April 10, 1939. Serial No. 418,225. PUBLISHED OCTOBER 17, 1939. Class 39.

374,117. FABRIC GLOVES. JULIUS KAYSER & CO., New York, N. Y.
Filed April 18, 1939. Serial No. 418,412. PUBLISHED OCTOBER 17, 1939. Class 39.

374,118. PAPER TOWELS. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed April 19, 1939. Serial No. 418,463. PUBLISHED JULY 25, 1939. Class 37.

374,119. WALLPAPER, BOOKS AND CARDS OF WALLPAPER PATTERNS. NORDDEUTSCHE TAPETENFABRIK HÖLSCHER & BREIMER, Langenhagen, near Hanover, Germany.
Filed April 20, 1939. Serial No. 418,505. PUBLISHED OCTOBER 24, 1939. Class 37.

374,120. CONTAINERS SUCH AS BOXES, JARS, AND THE LIKE AND PARTS THEREOF MOLDED IN WHOLE OR IN PART FROM MATERIALS OF THE SYNTHETIC RESIN CLASS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed April 25, 1939. Serial No. 418,675. PUBLISHED OCTOBER 17, 1939. Class 2.

374,121. LADIES' AND CHILDREN'S HATS. CHARLES KARTIGANER, doing business as Kartiganer & Co., New York, N. Y.
Filed April 25, 1939. Serial No. 418,686. PUBLISHED OCTOBER 17, 1939. Class 39.

374,122. STORAGE CABINETS USED FOR RECEIVING DELIVERED GOODS. GEO. J. RICHARDSON, doing business as Home Locker Company, Richmond, Va.
Filed May 4, 1939. Serial No. 419,094. PUBLISHED OCTOBER 10, 1939. Class 2.

374,123. BEDS, DRESSERS, CHESTS, CHIFFEROBES, VANITIES, NIGHT TABLES, VANITY BENCHES, VANITY CHAIRS, ETC. STERLING, INC., New York, N. Y.
Filed May 6, 1939. Serial No. 419,166. PUBLISHED OCTOBER 17, 1939. Class 32.

374,124. NONALCOHOLIC, CARBONATED, MALTLESS BEVERAGES, AND SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING THE SAME. FLORASYNTH LABORATORIES INC., New York, N. Y.
Filed May 8, 1939. Serial No. 419,187. PUBLISHED OCTOBER 24, 1939. Class 45.

374,125. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING THE SAME. B. T. FOOKS, doing business as Dr. Pepper Bottling Company, Camden, Ark.
Filed May 11, 1939. Serial No. 419,299. PUBLISHED OCTOBER 24, 1939. Class 45.

374,126. HANDKERCHIEFS. BURMEL HANDKERCHIEF CORPORATION, New York, N. Y.
Filed May 20, 1939. Serial No. 419,610. PUBLISHED OCTOBER 10, 1939. Class 39.

374,127. CAMERAS, PHOTOGRAPHIC LENSES, AND SENSITIZED PHOTOGRAPHIC FILMS. MATCH KING, INC., Chicago, Ill.
Filed May 20, 1939. Serial No. 419,622. PUBLISHED OCTOBER 24, 1939. Class 26.

374,128. PAPER BIBS. MITCHELL PUBLISHING COMPANY, Los Angeles, Calif.
Filed May 22, 1939. Serial No. 419,680. PUBLISHED OCTOBER 24, 1939. Class 39.

374,129. BUTTONS AND BUCKLES OR SLIDES FOR BELTS. BUTTON CORPORATION OF AMERICA, Newark, N. J.
Filed May 24, 1939. Serial No. 419,746. PUBLISHED OCTOBER 10, 1939. Class 40.

374,130. SHOES MADE OF LEATHER, FABRIC, OR A COMBINATION OF THOSE MATERIALS, AND PARTS THEREOF—NAMELY, INSOLES, SOCK LININGS, CUSHIONS, AND PADS USED IN THE MANUFACTURE OF A SHOE OR INSERTED IN A COMPLETED SHOE. RAYMOND R. RATCLIFF, doing business as Ratcliff Products & Sales Co., Columbus, Ohio.
Filed May 24, 1939. Serial No. 419,769. PUBLISHED OCTOBER 10, 1939. Class 39.

374,131. FRESH CITRUS FRUITS AND FRESH TOMATOES. GROWERS FRUIT COMPANY, INC., Edinburg, Tex.
Filed May 25, 1939. Serial No. 419,833. PUBLISHED OCTOBER 17, 1939. Class 46.

374,132. CHEMICALLY TREATED POLISHING CLOTHS. CADIE CHEMICAL PRODUCTS INC., New York, N. Y.
Filed June 2, 1939. Serial No. 420,090. PUBLISHED OCTOBER 24, 1939. Class 4.

374,133. CANNED VEGETABLES. IOWA CANNING COMPANY, Vinton, Iowa.
Filed June 5, 1939. Serial No. 420,204. PUBLISHED OCTOBER 24, 1939. Class 46.

374,134. EMPTY COMPACTS AND BOXES NOT MADE FROM PRECIOUS METAL WARE. HENRIETTE, INCORPORATED, Dayton, Ky.
Filed June 6, 1939. Serial No. 420,226. PUBLISHED OCTOBER 24, 1939. Class 2.

374,135. HEADLIGHT TESTERS. KENT-MOORE ORGANIZATION INC., Detroit, Mich.
Filed June 6, 1939. Serial No. 420,229. PUBLISHED OCTOBER 24, 1939. Class 26.

374,136. FOUNTAIN PENS. LOUIS MORRISON, New York, N. Y.
Filed June 14, 1939. Serial No. 420,494. PUBLISHED OCTOBER 24, 1939. Class 37.

374,137. MEN'S AND BOYS' WORK GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF; ETC. SCOTT-BURR STORES CORPORATION, Chicago, Ill.
Filed June 19, 1939. Serial No. 420,691. PUBLISHED OCTOBER 17, 1939. Class 39.

374,138. FILTERS AND REFRIGERATOR UNITS FOR REFRIGERATORS, REFRIGERATED TRUCKS, AND RAILWAY CARS. BROQUINDA, INC., St. Petersburg, Fla.
Filed June 20, 1939. Serial No. 420,712. PUBLISHED OCTOBER 17, 1939. Class 31.

374,139. PICKLES, PEANUT BUTTER, FRESH CUCUMBER CHIPS, SWEET PICKLE RELISH, AND PICKLED ONIONS. SWEET ADELINE FOODS, INCORPORATED, Louisville, Ky.
Filed June 20, 1939. Serial No. 420,730. PUBLISHED OCTOBER 24, 1939. Class 46.

374,140. UNITARY ELECTRIC LIGHTING FIXTURES. GOODRICH ELECTRIC COMPANY, Chicago, Ill.
Filed June 21, 1939. Serial No. 420,761. PUBLISHED OCTOBER 24, 1939. Class 21.

374,141. REFRIGERATORS. JORDAN MARSH COMPANY, Boston, Mass.
Filed June 21, 1939. Serial No. 420,767. PUBLISHED AUGUST 1, 1939. Class 31.

374,142. FRESH VEGETABLES AND FRUITS PARTICULARLY FRESH GRAPEFRUIT, ORANGES, LEMONS, ETC. TRUMAN ELLSWORTH STEPHENS, doing business as Trulyn Shippers, Edinburg, Tex.
Filed June 21, 1939. Serial No. 420,784. PUBLISHED OCTOBER 24, 1939. Class 46.

374,143. TOILET TISSUE. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed June 22, 1939. Serial No. 420,796. PUBLISHED AUGUST 15, 1939. Class 37.

374,144. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, FELT, OR TEXTILE MATERIAL. W. L. DOUGLAS SHOE CO., Brockton, Mass.
Filed June 22, 1939. Serial No. 420,808. PUBLISHED OCTOBER 17, 1939. Class 39.

374,145. CANNED FRUITS. MUIRSON LABEL COMPANY, INC., New York, N. Y.
Filed June 22, 1939. Serial No. 420,826. PUBLISHED SEPTEMBER 12, 1939. Class 46.

374,146. NONALCOHOLIC BEVERAGE DRINKS. GEORGE ABRASH, New York, N. Y.
Filed June 26, 1939. Serial No. 420,925. PUBLISHED OCTOBER 24, 1939. Class 45.

374,147. CRAYONS, WOOD ENCASED LEAD PENCILS, SLATES, AND SCHOOL TABLETS. ELDER MANUFACTURING COMPANY, St. Louis, Mo.
Filed June 26, 1939. Serial No. 420,945. PUBLISHED OCTOBER 24, 1939. Class 37.

374,148. FLOCK COATED TEXTILE FABRICS. BEHR-MANNING CORPORATION, Troy, N. Y.
Filed June 28, 1939. Serial No. 421,022. PUBLISHED OCTOBER 24, 1939. Class 42.

374,149. THREAD AND YARN. COMPTOIR DES TEXTILES ARTIFICIELS, SOCIÉTÉ ANONYME, Paris, France.
Filed June 28, 1939. Serial No. 421,027. PUBLISHED OCTOBER 3, 1939. Class 43.

374,150. MEN'S HATS. M. S. LEVY & SONS, INC., Baltimore, Md.
Filed June 29, 1939. Serial No. 421,115. PUBLISHED OCTOBER 10, 1939. Class 39.

374,151. MEN'S HATS. M. S. LEVY & SONS, INC., Baltimore, Md.
Filed June 29, 1939. Serial No. 421,116. PUBLISHED OCTOBER 10, 1939. Class 39.

374,152. COTTON PILE FABRICS IN THE PIECE. COLLINS AND AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed July 1, 1939. Serial No. 421,180. PUBLISHED AUGUST 22, 1939. Class 42.

374,153. OHMMETERS, PHOTOGRAPHIC ELECTRIC SQUIBS, PHOTOGRAPHIC FILM, AND TESTING EQUIPMENT FOR PLATING, METAL PICKLING OR CLEANING. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1939. Serial No. 421,225. PUBLISHED OCTOBER 24, 1939. Class 26.

374,154. BATTERY ZINC, GOLD HYDRATE, INDIUM, NON-FERROUS METAL ALLOYS, AND NON-FERROUS METAL ANODES. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1939. Serial No. 421,226. PUBLISHED OCTOBER 24, 1939. Class 14.

374,155. FLAT WOOLEN DRESS GOODS IN THE PIECE. DUNDERRY WOOLEN MILLS, Rockford, Ill.
Filed July 3, 1939. Serial No. 421,237. PUBLISHED OCTOBER 24, 1939. Class 42.

374,156. WOMEN'S SHOES FORMED OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 3, 1939. Serial No. 421,265. PUBLISHED OCTOBER 24, 1939. Class 39.

374,157. BOOTS AND SHOES OF LEATHER AND FABRIC. SCHNEIER, ADELSON & ADESON, Albany, N. Y.
Filed July 4, 1939. Serial No. 421,278. PUBLISHED OCTOBER 17, 1939. Class 39.

374,158. BOOTS AND SHOES OF LEATHER AND FABRIC. SCHNEIER, ADELSON & ADESON, Albany, N. Y.
Filed July 4, 1939. Serial No. 421,279. PUBLISHED OCTOBER 17, 1939. Class 39.

374,159. CHEESE. WILLIAM M. CAHOONE, Pasadena, Calif.
Filed July 5, 1939. Serial No. 421,284. PUBLISHED OCTOBER 24, 1939. Class 46.

374,160. SUSPENDERS, BRACES, AND SUPPORTERS FOR SUPPORTING TROUSERS AND GARTERS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed July 6, 1939. Serial No. 421,319. PUBLISHED OCTOBER 10, 1939. Class 39.

374,161. METALLIC FOILS OF ALL KINDS. VENESTA LIMITED, London, England.
Filed July 6, 1939. Serial No. 421,329. PUBLISHED OCTOBER 24, 1939. Class 14.

374,162. TOBACCO POUCHES. AMITY LEATHER PRODUCTS CO., West Bend, Wis.
Filed July 10, 1939. Serial No. 421,412. PUBLISHED OCTOBER 24, 1939. Class 8.

374,163. TEA. THOS. CHRISTY & CO. LTD., London, England.
Filed July 11, 1939. Serial No. 421,451. PUBLISHED OCTOBER 24, 1939. Class 46.

374,164. TABLE TOPS, COUNTER TOPS, BAR TOPS, DESK TOPS, AND SHELVING. A. W. LAMMERS COMPANY, Chicago, Ill.
Filed July 11, 1939. Serial No. 421,461. PUBLISHED OCTOBER 24, 1939. Class 32.

374,165. DELIVERY BAGS, CRUSHED ICE BAGS, PAILS, AND BASKETS MADE PRINCIPALLY OF RUBBER IMPREGNATED CANVAS. L. B. BARBER, doing business as Vivian Manufacturing Company, St. Louis, Mo.
Filed July 12, 1939. Serial No. 421,471. PUBLISHED OCTOBER 17, 1939. Class 2.

374,166. WHISKIES, GINS, AND ALCOHOLIC CORDIALS. KRAUS BROS & CO., INC., New York, N. Y.
Filed July 13, 1939. Serial No. 421,519. PUBLISHED OCTOBER 24, 1939. Class 49.

374,167. BRASSIÈRES, CORSETS, SLIPS, BEACH ROBES, PAJAMAS, AND BATHING SUITS. EDITH LANCES BRASSIERES, New York, N. Y.
Filed July 14, 1939. Serial No. 421,573. PUBLISHED OCTOBER 17, 1939. Class 39.

374,168. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. SHULTON, INC., New York, N. Y., and Hoboken, N. J.
Filed July 15, 1939. Serial No. 421,621. PUBLISHED OCTOBER 3, 1939. Class 6.

374,169. CANNED PORK AND BEANS. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed July 17, 1939. Serial No. 421,673. PUBLISHED OCTOBER 24, 1939. Class 46.

374,170. GARMENT OR OTHER MATERIAL ELECTRIC STEAMING IRONS. STEEM-ELECTRIC CORPORATION, St. Louis, Mo.
Filed July 17, 1939. Serial No. 421,676. PUBLISHED OCTOBER 24, 1939. Class 21.

374,171. WAXED PAPER, PAPER TOWELS, PAPER NAPKINS, AND PAPER TABLE CLOTHS. UNITED BUYERS CORPORATION, also doing business as Foodcraft Products, Chicago, Ill.
Filed July 17, 1939. Serial No. 421,678. PUBLISHED OCTOBER 24, 1939. Class 37.

374,172. DENTAL CREAM. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed July 19, 1939. Serial No. 421,726. PUBLISHED OCTOBER 10, 1939. Class 6.

374,173. LADIES' AND MISSES' HOUSECOATS, PETTICOATS, SLIPS, BRASSIÈRES, CHEMISES, PANTIES, BLOOMERS, NEGLIGEES, DRESSES, NIGHTGOWNS, AND PAJAMAS. GEORGE MOUAKAD CO., INC., New York, N. Y.
Filed July 19, 1939. Serial No. 421,742. PUBLISHED OCTOBER 3, 1939. Class 39.

374,174. SOAP POWDER. AMMIEL F. DECKER, Pelham, N. Y.
Filed July 21, 1939. Serial No. 421,800. PUBLISHED OCTOBER 24, 1939. Class 4.

374,175. PHOTOGRAPHIC APPARATUS — NAMELY, CAMERAS. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich.
Filed July 21, 1939. Serial No. 421,805. PUBLISHED OCTOBER 24, 1939. Class 26.

374,176. DENTURE MATERIALS. ARTHUR FINK, Brooklyn, N. Y.
Filed July 22, 1939. Serial No. 421,850. PUBLISHED OCTOBER 24, 1939. Class 44.

374,177. VALISES, SUITCASES, BRIEF CASES, PORTFOLIOS, AND POCKETBOOKS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed July 25, 1939. Serial No. 421,934. PUBLISHED OCTOBER 10, 1939. Class 3.

374,178. INFANTS' AND CHILDREN'S DRESSES, COATS, JACKETS, HATS, SHAWLS, FLANNELETTES, GERTRUDES, AND KIMONOS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., Denver, Colo., and St. Louis, Mo.
Filed July 25, 1939. Serial No. 421,941. PUBLISHED OCTOBER 10, 1939. Class 39.

374,179. SHOES MADE OF LEATHER, RUBBER, OR FABRICS, OR OF COMBINATIONS OF SAID MATERIALS. 34 WEST 34TH STREET CORPORATION, New York, N. Y.
Filed July 25, 1939. Serial No. 421,953. PUBLISHED OCTOBER 10, 1939. Class 39.

374,180. DISPENSING CONTAINER FOR LIQUIDS. JOSEPH L. ABRAMSON, doing business as Atomette Company, New York, N. Y.
Filed July 26, 1939. Serial No. 421,956. PUBLISHED OCTOBER 24, 1939. Class 2.

374,181. TOW BARS. TOW PILOT COMPANY, Caro, Mich.
Filed July 28, 1939. Serial No. 422,079. PUBLISHED OCTOBER 24, 1939. Class 23.

374,182. TOILET PAPER, PAPER TOWELS, FACIAL TISSUES, WAXED PAPER, WRAPPING PAPER, AND PAPER NAPKINS. UNION SUPPLY & PAPER CO., Wilkes-Barre, Pa.
Filed July 28, 1939. Serial No. 422,080. PUBLISHED OCTOBER 24, 1939. Class 37.

374,183. LIQUID FREE-FLOWING PAINT PRESERVATIVE COATING TO BE APPLIED WITH A BRUSH ON FLOORS, STEPS, ETC. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y.
Filed July 29, 1939. Serial No. 422,086. PUBLISHED OCTOBER 24, 1939. Class 16.

374,184. MEN'S CLOTHING, CONSISTING OF SUITS, COATS, AND OVERCOATS. FINSTERWALD CLOTHING COMPANY, Detroit, Mich.
Filed July 29, 1939. Serial No. 422,092. PUBLISHED OCTOBER 3, 1939. Class 39.

374,185. MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKTIES. WEBER AND HEILBRONER, INC., New York, N. Y.
Filed July 29, 1939. Serial No. 422,109. PUBLISHED OCTOBER 17, 1939. Class 39.

374,186. FERTILIZERS. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.
Filed July 31, 1939. Serial No. 422,124. PUBLISHED OCTOBER 10, 1939. Class 10.

374,187. MEN'S OUTER SHIRTS, NECKTIES, HANDKERCHIEFS, SUITS, AND PAJAMAS. JACK C. FAYSSOUX, Jacksonville, Fla.
Filed July 31, 1939. Serial No. 422,130. PUBLISHED OCTOBER 17, 1939. Class 39.

374,188. CANNED VEGETABLES AND APPLE BUTTER. EMPIRE STATE PICKLING COMPANY, Phelps, N. Y.
Filed August 2, 1939. Serial No. 422,203. PUBLISHED OCTOBER 24, 1939. Class 46.

374,189. WOMEN'S COATS. SHULDER AND SCHLOSS, INC., Chicago, Ill.
Filed July 31, 1939. Serial No. 422,227. PUBLISHED OCTOBER 3, 1939. Class 39.

374,190. QUILTED CRIB PADS, MUSLIN CRIB SHEETS, MUSLIN PILLOWCASES, KNITTED BATH BLANKETS, STOCKINETTE CRIB SHEETS, ALL-WOOL BLANKETS, RECEIVING BLANKETS, AND TERRY CLOTH BATH ENSEMBLE (TOWELS AND WASHCLOTH). ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed August 3, 1939. Serial No. 422,233. PUBLISHED OCTOBER 24, 1939. Class 42.

374,191. DIAPERS, INFANTS' SLEEPING ROBES, TRAINING PANTIES, COTTON BANDS AND SHIRTS, WOOL AND RAYON BANDS AND SHIRTS, KIMONOS, NIGHTGOWNS, AND DRESSES. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed August 3, 1939. Serial No. 422,234. PUBLISHED OCTOBER 17, 1939. Class 39.

374,192. LIQUID ALL-PURPOSE PROTECTIVE VARNISH TYPE FINISH TO BE APPLIED TO ALL TYPES OF SURFACES, ETC. FULLER FINISH COMPANY, Chicago, Ill.
Filed August 3, 1939. Serial No. 422,243. PUBLISHED OCTOBER 24, 1939. Class 16.

374,193. BOWL COVERS MADE OF "PLIOFILM" AND COATED SILK. NYCO, INC., Pittsburgh, Pa.
Filed August 3, 1939. Serial No. 422,254. PUBLISHED OCTOBER 10, 1939. Class 50.

374,194. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE G. EDWIN SMITH SHOE COMPANY, Columbus, Ohio.
Filed August 3, 1939. Serial No. 422,260. PUBLISHED OCTOBER 10, 1939. Class 39.

374,195. ELECTRICAL CONDUIT FITTINGS, SOLDERLESS WIRE CONNECTORS, AND SIMILAR WIRING APPLIANCES—NAMELY, CONDUIT ADAPTERS, RECEPTACLES, BEACON LIGHTS, ETC. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed August 3, 1939. Serial No. 422,265. PUBLISHED OCTOBER 24, 1939. Class 21.

374,196. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed August 4, 1939. Serial No. 422,269. PUBLISHED SEPTEMBER 26, 1939. Class 46.

374,197. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN. FREEMAN SHOE CORPORATION, Beloit, Wis.
Filed August 4, 1939. Serial No. 422,279. PUBLISHED OCTOBER 17, 1939. Class 39.

374,198. T-SQUARES, SQUARES, AND LEVELS. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed August 4, 1939. Serial No. 422,280. PUBLISHED OCTOBER 24, 1939. Class 26.

374,199. CERAMIC TEAPOTS. THE TWIN SPOUT POTTERY CO., INC., New York, N. Y.
Filed August 4, 1939. Serial No. 422,303. PUBLISHED OCTOBER 24, 1939. Class 30.

374,200. COFFEE. C. A. MACKEY & CO., New York, N. Y.
Filed August 4, 1939. Serial No. 422,305. PUBLISHED OCTOBER 24, 1939. Class 46.

374,201. COFFEE. C. A. MACKEY & CO., New York, N. Y.
Filed August 4, 1939. Serial No. 422,306. PUBLISHED OCTOBER 24, 1939. Class 46.

374,202. MEN'S AND BOYS' FUR FELT HATS. CARADINE HAT COMPANY, St. Louis, Mo.
Filed August 7, 1939. Serial No. 422,355. PUBLISHED OCTOBER 10, 1939. Class 39.

374,203. WINE. CALIFORNIA WINE COMPANY, INC., Chicago, Ill.
Filed August 8, 1939. Serial No. 422,395. PUBLISHED OCTOBER 24, 1939. Class 47.

374,204. ESSENTIAL OILS, ESSENCES, AND FLAVOURINGS FOR USE AS INGREDIENTS IN FOOD; FRUIT EXTRACTS FOR FOOD FLAVOURING PURPOSES. A. BOAKE, ROBERTS & COMPANY, LIMITED, London, England.
Filed August 9, 1939. Serial No. 422,437. PUBLISHED OCTOBER 24, 1939. Class 46.

374,205. FINISHED SKINS OF GOATS, KIDS, HORSES, SHEEP, CABRETTAS, COWS, CALVES, KIPS, AND BUFFALO. ALLIED KID COMPANY, Boston, Mass.
Filed August 5, 1939. Serial No. 422,458. PUBLISHED OCTOBER 24, 1939. Class 1.

374,206. KNITTED RAYON AND COTTON FABRICS IN THE PIECE. HILLCREST MILLS, INC., New York, N. Y.
Filed August 9, 1939. Serial No. 422,461. PUBLISHED OCTOBER 24, 1939. Class 42.

374,207. FERTILIZERS. COOPERATIVE G. L. F. SOIL BUILDING SERVICE, INC., Ithaca and New York, N. Y.
Filed August 10, 1939. Serial No. 422,464. PUBLISHED OCTOBER 17, 1939. Class 10.

374,208. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, FELT, OR TEXTILE MATERIAL. W. L. DOUGLAS SHOE CO., Brockton, Mass.
Filed August 10, 1939. Serial No. 422,467. PUBLISHED OCTOBER 10, 1939. Class 39.

374,209. FROZEN CONFECTIONS AND SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed August 10, 1939. Serial No. 422,478. PUBLISHED OCTOBER 17, 1939. Class 46.

374,210. DELIVERY OR PEDDLING PUSHCARTS AND BICYCLE PROPELLED CARTS. JOE LOWE CORPORATION, New York, N. Y.
Filed August 10, 1939. Serial No. 422,479. PUBLISHED OCTOBER 24, 1939. Class 19.

374,211. LADIES' AND MISSES' HATS. PHILBERT HAT CO., New York, N. Y.
Filed August 10, 1939. Serial No. 422,485. PUBLISHED OCTOBER 24, 1939. Class 39.

374,212. FRESH VEGETABLES. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif.
Filed August 14, 1939. Serial No. 422,504. PUBLISHED OCTOBER 24, 1939. Class 46.

374,213. WHISKEY. J. A. DOUGHERTY'S SONS, INCORPORATED, DISTILLERS, Philadelphia, Pa.
Filed August 15, 1939. Serial No. 422,620. PUBLISHED OCTOBER 17, 1939. Class 49.

374,214. DOG FOOD. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed August 15, 1939. Serial No. 422,626. PUBLISHED OCTOBER 24, 1939. Class 46.

374,215. PUERTO RICAN RUM. JAMES M. MCCUNN, doing business as James M. McCunn & Co., New York, N. Y.
Filed August 15, 1939. Serial No. 422,631. PUBLISHED OCTOBER 24, 1939. Class 49.

374,216. DECORATED, PRINTED, AND ORNAMENTED KNITTED AND WOVEN TEXTILE PIECE GOODS, ETC. VELVERAY CORPORATION OF AMERICA, New York, N. Y.
Filed August 15, 1939. Serial No. 422,643. PUBLISHED OCTOBER 24, 1939. Class 42.

374,217. FRESH VEGETABLES. BRENTWOOD PRODUCE ASSOCIATION, Brentwood and Knightsen, Calif.
Filed August 16, 1939. Serial No. 422,654. PUBLISHED OCTOBER 24, 1939. Class 46.

374,218. INDUSTRIAL MOTOR DRIVEN TRUCKS. CLARK EQUIPMENT COMPANY, Buchanan, Mich.
Filed August 16, 1939. Serial No. 422,655. PUBLISHED OCTOBER 24, 1939. Class 19.

374,219. SHOES MADE OF RUBBER, LEATHER, AND/OR FABRIC. THE FASHION BOOTERY, Seattle, Wash.
Filed August 16, 1939. Serial No. 422,666. PUBLISHED OCTOBER 17, 1939. Class 39.

374,220. SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed August 16, 1939. Serial No. 422,674. PUBLISHED OCTOBER 24, 1939. Class 39.

374,221. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, CANNED SHELLFISH, AND CANNED SALMON, CANNED TOMATO CATSUP, TABLE SYRUPS. TIEDEMANN & MCMORRAN, San Francisco, Calif.
Filed August 16, 1939. Serial No. 422,682. PUBLISHED OCTOBER 17, 1939. Class 46.

374,222. WOMEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. WILKERSON SHOE COMPANY, St. Louis, Mo.
Filed August 17, 1939. Serial No. 422,723. PUBLISHED OCTOBER 10, 1939. Class 39.

374,223. CORSETS, GIRDLES, BRASSIÈRES, WOMEN'S AND MISSES' DRESSES, COATS, OUTER SKIRTS, BLOUSES, JACKETS, ETC. BONWIT TELLER, INC., New York, N. Y.
Filed August 18, 1939. Serial No. 422,731. PUBLISHED OCTOBER 17, 1939. Class 39.

374,224. RUGS AND BEDSPREADS. CABIN CRAFTS, Dalton, Ga.
Filed August 18, 1939. Serial No. 422,734. PUBLISHED OCTOBER 24, 1939. Class 42.

374,225. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed August 18, 1939. Serial No. 422,745. PUBLISHED OCTOBER 17, 1939. Class 39.

374,226. VISIBLE INDEXING CARDS. WILSON-JONES COMPANY, Chicago, Ill.
Filed August 18, 1939. Serial No. 422,762. PUBLISHED OCTOBER 17, 1939. Class 37.

374,227. LEATHER AND FABRIC GLOVES. M. MERLIER, INC., New York, N. Y.
Filed August 19, 1939. Serial No. 422,781. PUBLISHED OCTOBER 17, 1939. Class 39.

374,228. TOY—VIZ., A FABRIC-COVERED INFLATABLE BALL TO WHICH IS CONNECTED AN ELASTIC CORD THE FREE END OF WHICH IS ADAPTED TO BE MANUALLY HELD. DONALD F. DUNCAN, INC., Chicago, Ill.
Filed August 21, 1939. Serial No. 422,811. PUBLISHED OCTOBER 17, 1939. Class 22.

374,229. VENETIAN BLIND TAPES. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed August 21, 1939. Serial No. 422,830. PUBLISHED OCTOBER 17, 1939. Class 40.

374,230. VENETIAN BLIND TAPES. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed August 21, 1939. Serial No. 422,831. PUBLISHED OCTOBER 17, 1939. Class 40.

374,231. VENETIAN BLIND TAPES. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn.
Filed August 21, 1939. Serial No. 422,832. PUBLISHED OCTOBER 17, 1939. Class 40.

374,232. DRESSED BROILER AND ROASTING CHICKENS. THE BRANDT COMPANY, Cleveland, Ohio.
Filed August 22, 1939. Serial No. 422,851. PUBLISHED OCTOBER 24, 1939. Class 46.

374,233. PUZZLES AND PUZZLE GAMES. MURRAY GRUMETTE, Brooklyn, N. Y.
Filed August 22, 1939. Serial No. 422,854. PUBLISHED OCTOBER 24, 1939. Class 22.

374,234. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. PINCUS & TOBIAS, INC., New York, N. Y.
Filed August 22, 1939. Serial No. 422,865. PUBLISHED OCTOBER 17, 1939. Class 39.

374,235. GOLF BALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed August 22, 1939. Serial No. 422,869. PUBLISHED OCTOBER 24, 1939. Class 22.

374,236. FRESH GRAPES. MARKO ZANINOVICH, doing business as M. Zaninovich, Delano, Calif.
Filed August 22, 1939. Serial No. 422,879. PUBLISHED OCTOBER 24, 1939. Class 46.

374,237. ICE CREAM FREEZERS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,892. PUBLISHED OCTOBER 24, 1939. Class 31.

374,238. FISHING TACKLE — NAMELY, FISHING LINES, FISHING RODS, ROD HOLDERS, HOOK HOLDERS, FISHING LURES, FISH HOOKS, REEL HOLDERS, AND FISHING LEADERS. NEWARK SINKER COMPANY, Newark, N. J.
Filed August 23, 1939. Serial No. 422,906. PUBLISHED OCTOBER 17, 1939. Class 22.

374,239. GAME BOARD. UNIVERSAL GAME COMPANY, Houston, Tex.
Filed August 23, 1939. Serial No. 422,919. PUBLISHED OCTOBER 24, 1939. Class 22.

374,240. CORSETS. MILADY BRASSIERE AND CORSET CO., INC., New York, N. Y.
Filed August 24, 1939. Serial No. 422,944. PUBLISHED OCTOBER 17, 1939. Class 39.

374,241. CLOSET BOWLS AND URINALS. CRANE CO., Chicago, Ill.
Filed August 25, 1939. Serial No. 422,986. PUBLISHED OCTOBER 24, 1939. Class 13.

374,242. BATHTUBS AND LAVATORY WATER SUPPLY AND WASTE FITTINGS SUCH AS VALVES AND SPOUTS, ETC. CRANE CO., Chicago, Ill.
Filed August 25, 1939. Serial No. 422,987. PUBLISHED OCTOBER 24, 1939. Class 13.

374,243. CIGARS. BERNHARD FAISTENHAMER, Baltimore, Md.
Filed August 25, 1939. Serial No. 422,991. PUBLISHED OCTOBER 24, 1939. Class 17.

374,244. KEY CASES AND WALLETS. FEINBERG-HENRY MFG. CO., INC., New York, N. Y.
Filed August 25, 1939. Serial No. 422,992. PUBLISHED OCTOBER 24, 1939. Class 3.

374,245. KEY CASES AND WALLETS. FEINBERG-HENRY MFG. CO., INC., New York, N. Y.
Filed August 25, 1939. Serial No. 422,993. PUBLISHED OCTOBER 24, 1939. Class 3.

374,246. RECORD PAPER RULED IN COLUMNS FOR LOOSE LEAF BINDERS, FOR PADS, AND FOR BOUND BLANK BOOKS. GOLDSMITH BROS., New York, N. Y.
Filed August 25, 1939. Serial No. 422,996. PUBLISHED OCTOBER 24, 1939. Class 37.

374,247. PIPES. KENILWORTH PIPE COMPANY, Chicago, Ill.
Filed August 25, 1939. Serial No. 422,997. PUBLISHED OCTOBER 24, 1939. Class 8.

374,248. INSULATED ELECTRIC WIRES AND CABLES. ROCKBESTOS PRODUCTS CORPORATION, New Haven, Conn.
Filed August 25, 1939. Serial No. 423,006. PUBLISHED OCTOBER 24, 1939. Class 21.

374,249. PNEUMATIC TOOLS INCLUDING AIR OPERATED MOTORS, DRILLS, PILOT DRILLS, DRILL CHUCKS; BRUSHES, POLISHERS, BUFFERS, GRINDERS, SAWS, ETC. THE ARO EQUIPMENT CORPORATION, Bryan, Ohio.
Filed August 28, 1939. Serial No. 423,051. PUBLISHED OCTOBER 24, 1939. Class 23.

374,250. WRAPPING PAPER. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y.
Filed August 28, 1939. Serial No. 423,070. PUBLISHED OCTOBER 24, 1939. Class 37.

374,251. COMBS FOR THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed August 29, 1939. Serial No. 423,081. PUBLISHED OCTOBER 24, 1939. Class 40.

374,252. PLANT FOOD. HY-TROUS CO., INC., Miami, Fla.
Filed August 29, 1939. Serial No. 423,099. PUBLISHED OCTOBER 24, 1939. Class 10.

374,253. DRESSED AND UNDRESSED DOLLS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., and Denver, Colo., doing business as Famous-Barr Co., St. Louis, Mo.
Filed August 29, 1939. Serial No. 423,108. PUBLISHED OCTOBER 24, 1939. Class 22.

374,254. LEADS, SLUGS, AND RULES CAST IN TYPE METAL. AMERICAN TYPE FOUNDERS, INC., Elizabeth, N. J.
Filed August 30, 1939. Serial No. 423,121. PUBLISHED OCTOBER 24, 1939. Class 14.

374,255. TAPES AND WEBBINGS FOR USE AS BINDING AND TRIMMINGS FOR FABRICATED ARTICLES AND OTHER INCIDENTAL USES, AND BRAIDS FOR LACINGS, TRIMMINGS, AND OTHER INCIDENTAL USES. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed August 30, 1939. Serial No. 423,136. PUBLISHED OCTOBER 24, 1939. Class 40.

374,256. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed August 31, 1939. Serial No. 423,170. PUBLISHED OCTOBER 24, 1939. Class 39.

374,257. FLUID PUMPS AND COMPRESSORS AND PARTS THEREOF. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed August 31, 1939. Serial No. 423,172. PUBLISHED OCTOBER 24, 1939. Class 23.

374,258. CIGARS. JOHN E. RAUH, doing business as J. E. Rauh Cigar Co., Milwaukee, Wis.
Filed August 31, 1939. Serial No. 423,174. PUBLISHED OCTOBER 24, 1939. Class 17.

374,259. LAWN MOWERS, CORN SHELLERS AND ATTACHMENTS, CIDER MILLS, FRUIT PRESSES, FRUIT CRUSHERS, LIME SPREADERS, JELLY PRESSES, LARD PRESSES. THE RED CROSS MANUFACTURING COMPANY, Bluffton, Ind.
Filed August 31, 1939. Serial No. 423,175. PUBLISHED OCTOBER 24, 1939. Class 23.

374,260. TOGGLE BOLTS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed August 31, 1939. Serial No. 423,181. PUBLISHED OCTOBER 24, 1939. Class 13.

374,261. PRINTING PAPER, SULPHITE AND RAG BOND PAPERS, SULPHITE AND RAG LEDGER PAPERS, WRITING PAPER, ONION SKIN, MANIFOLD PAPERS, ENVELOPES, AND COVER PAPER. R. P. ANDREWS PAPER COMPANY, Washington, D. C.
Filed September 1, 1939. Serial No. 423,198. PUBLISHED OCTOBER 24, 1939. Class 37.

374,262. MATCHES. EMPIRE STATE PICKLING COMPANY, Phelps, N. Y.
Filed September 1, 1939. Serial No. 423,210. PUBLISHED OCTOBER 24, 1939. Class 9.

374,263. ALFALFA SEEDS. VOLNEY R. HANSEN AND K. B. IVEY, Fabens, Tex.
Filed September 2, 1939. Serial No. 423,264. PUBLISHED OCTOBER 24, 1939. Class 1.

374,264. NONELECTRIC SIGNS. JOHN IGELSTROEM COMPANY, Massillon, Ohio.
Filed September 2, 1939. Serial No. 423,269. PUBLISHED OCTOBER 24, 1939. Class 50.

374,265. TARGET GAME PLAYED WITH A MECHANICALLY RELEASED PARACHUTE AND A REPEATING GUN SHOOTING RUBBER BANDS. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed September 2, 1939. Serial No. 423,278. PUBLISHED OCTOBER 24, 1939. Class 22.

374,266. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. WARE AND WHITE, INC., Atlanta, Ga.
Filed September 7, 1939. Serial No. 423,389. PUBLISHED OCTOBER 24, 1939. Class 44.

374,267. TIRES AND TUBES MADE WHOLLY OR PARTLY OF RUBBER. THE MANSFIELD TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed September 8, 1939. Serial No. 423,427. PUBLISHED OCTOBER 24, 1939. Class 35.

374,268. TIRES AND TUBES MADE WHOLLY OR PARTLY OF RUBBER. THE MANSFIELD TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed September 8, 1939. Serial No. 423,430. PUBLISHED OCTOBER 24, 1939. Class 35.

374,269. TIRES AND TUBES MADE WHOLLY OR PARTLY OF RUBBER. THE MANSFIELD TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed September 8, 1939. Serial No. 423,431. PUBLISHED OCTOBER 24, 1939. Class 35.

374,270. GOLF BALLS. BOULEVARD SPORT SHOP, INC., Detroit, Mich.
Filed September 9, 1939. Serial No. 423,456. PUBLISHED OCTOBER 24, 1939. Class 22.

374,271. GAMES PLAYED WITH HOOP AND SPEAR. JAVOOP COMPANY, Grand Rapids, Mich.
Filed September 9, 1939. Serial No. 423,466. PUBLISHED OCTOBER 24, 1939. Class 22.

374,272. REFRIGERATED LOCKER UNITS. WILLIAM MCKINLEY BAIRD, Chicago, Ill.
Filed September 11, 1939. Serial No. 423,487. PUBLISHED OCTOBER 24, 1939. Class 31.

374,273. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. DISTILLED LIQUORS CORPORATION, New York, N. Y.
Filed September 12, 1939. Serial No. 423,523. PUBLISHED OCTOBER 24, 1939. Class 49.

374,274. WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. DISTILLED LIQUORS CORPORATION, New York, N. Y.
Filed September 12, 1939. Serial No. 423,524. PUBLISHED OCTOBER 24, 1939. Class 49.

374,275. GLIDERS. BEVERLY (PAT) JOHNSON, Dallas, Tex.
Filed September 12, 1939. Serial No. 423,530. PUBLISHED OCTOBER 24, 1939. Class 32.

374,276. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed September 13, 1939. Serial No. 423,571. PUBLISHED OCTOBER 24, 1939. Class 45.

374,277. COIN PURSES. AMITY LEATHER PRODUCTS CO., West Bend, Wis.
Filed September 15, 1939. Serial No. 423,620. PUBLISHED OCTOBER 24, 1939. Class 3.

374,278. RESILIENT VEHICLE TIRES AND TUBES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed September 15, 1939. Serial No. 423,627. PUBLISHED OCTOBER 24, 1939. Class 35.

374,279. FISH BAITS. MILLSITE STEEL & WIRE WORKS, INC., Howell, Mich.
Filed September 15, 1939. Serial No. 423,633. PUBLISHED OCTOBER 24, 1939. Class 22.

374,280. FISHING FLIES. WHITNEY SPORTING GOODS CO., Denver, Colo.
Filed September 16, 1939. Serial No. 423,689. PUBLISHED OCTOBER 24, 1939. Class 22.

374,281. MATTRESSES. LI-ON BEDDING COMPANY, Milwaukee, Wis.
Filed September 18, 1939. Serial No. 423,703. PUBLISHED OCTOBER 24, 1939. Class 32.

374,282. TIRE TUBE VULCANIZING EQUIPMENT INCLUDING CLAMPS AND PATCH AND FUEL UNITS. THE SHALER COMPANY, Waupun, Wis.
Filed September 18, 1939. Serial No. 423,716. PUBLISHED OCTOBER 24, 1939. Class 35.

374,283. MANUALLY OPERATED PRIZE MACHINE. CORONET MERCHANDISING COMPANY, INC., New York, N. Y.
Filed September 21, 1939. Serial No. 423,798. PUBLISHED OCTOBER 24, 1939. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

374,284. (CLASS 39. CLOTHING.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Aug. 27, 1937. Serial No. 396,819.

STURDI-PRINT

For Reducing Garments—i. e., Brassières, Girdles, Combination Garments Consisting of a Girdle and Diaphragm Control, and Combination Garments Consisting of a Girdle and Brassière.
Claims use since Aug. 13, 1937.

374,285. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGIA CUSHION & WRAPPER COMPANY, Woodland, Ga. Filed Sept. 18, 1937. Serial No. 397,534.

STA-RITE

For Packing Cushions and Packing Cushion Fringes.
Claims use since May 1, 1937.

374,286. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SNAP-ON TOOLS CORPORATION, Kenosha, Wis. Filed Dec. 4, 1937. Serial No. 400,474.

TORQOMETER

For Hand Wrenches and Hand Tools for Tightening Machine Parts Fasteners, Such as Nut Screws and the Like.
Claims use since Nov. 20, 1937.

374,287. (CLASS 2. RECEPTACLES.) TREINIS BROTHERS, INC., Brooklyn, N. Y. Filed Dec. 6, 1937. Serial No. 400,540.

Customknit

For Bags for Storing, Wrapping, and Keeping Shoes and Is Made in Whole or in Part of Fabric Suitable for Cleaning Shoes.
Claims use since Dec. 8, 1932.

374,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARMONICA BAR FROZEN PRODUCTS CORP., New York, N. Y. Filed June 28, 1938. Serial No. 407,986.

IC-EE

For Individual Portions of Ice Cream.
Claims use since Mar. 22, 1938.

374,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT B. WURDAFT, doing business as California Citrus Food Products, Fullerton, Calif. Filed July 1, 1938. Serial No. 408,144.

HOLLYWOOD delicacies
FOOD OF THE STARS



For Citrus Fruit Juices for Food Purposes.
Claims use since April, 1936.

374,290. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed July 13, 1938. Serial No. 408,445.

DUO-FLO

For Fan-Driven Ventilators, Air Diffusers, and Air Aspirators.
Claims use since June 1, 1938.

374,291. (CLASS 37. PAPER AND STATIONERY.) MASTER-CRAFT CORPORATION, Kalamazoo, Mich. Filed Oct. 3, 1938. Serial No. 411,228.

KOPI-SPOT

For Spot Carbonized Forms Used as Payroll Checks, Tax Receipts, Note Notices, Bank Transit Forms, Invoice Sets, Order Sets, and Other Forms Having Carbon Duplicating Portions Embodied Therein.
Claims use since May 19, 1938.

374,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM J. MOYLAN, Fort Worth, Tex. Filed Oct. 8, 1938. Serial No. 411,424.

MOYLAN'S
BARBECUE PIE

For Meat Pies.
Claims use since July 1, 1938.

374,293. (CLASS 39. CLOTHING.) EAGLE CLOTHES, New York, N. Y. Filed Oct. 27, 1938. Serial No. 412,086.

SCOTT BARRIE

For Overcoats, Topcoats, and Suits for Men and Young Men.
Claims use since Oct. 22, 1938.

374,294. (CLASS 39. CLOTHING.) PHILIP S. BLOOM CO., Chicago, Ill. Filed Nov. 3, 1938. Serial No. 412,325.

Buti-Ful

For Ladies' Undergarments—Namely, Slips, Panties, Chemises, Night Gowns, Pajamas, Bloomers, Step-Ins, and Brassières.
Claims use since Oct. 1, 1938.

374,295. (CLASS 39. CLOTHING.) PHILIP S. BLOOM CO., Chicago, Ill. Filed Nov. 3, 1938. Serial No. 412,326.

Dubil-Strength

For Ladies' Undergarments—Namely, Slips, Panties, Chemises, Nightgowns, Pajamas, Bloomers, Step-Ins, and Brassières.
Claims use since Oct. 11, 1938.

374,296. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. T. GRANT COMPANY, New York, N. Y. Filed Nov. 7, 1938. Serial No. 412,449.

KORWOOL

For Rugs.
Claims use since Dec. 12, 1933.

374,297. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed Nov. 7, 1938. Serial No. 412,465.

Zuider Zee

For Women's and Misses' Shoes Made of Leather and Fabric and Combinations Thereof.
Claims use since Sept. 6, 1938.

374,298. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROCKFORD MACHINE TOOL CO., Rockford, Ill. Filed Nov. 23, 1938. Serial No. 413,080.

Hy-Draulic

For Machine Tools and Particularly Shapers and Planers.
Claims use since Oct. 21, 1938.

374,299. (CLASS 39. CLOTHING.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Nov. 25, 1938. Serial No. 413,127.

SOCKS UP

For Hosiery.
Claims use since Nov. 11, 1938.

374,300. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARSHALL-WELLS COMPANY, doing business as Big Bill Tackle Co., Duluth, Minn. Filed Nov. 25, 1938. Serial No. 413,128.

PACKARD

For Fishing Reels, Rods, Lines, Baits, and Hooks.
Claims use since Nov. 14, 1938.

374,301. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Nov. 26, 1938. Serial No. 413,204.

America's
National Newspaper

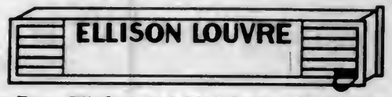
For Weekly Publication.
Claims use since Oct. 31, 1938.

374,302. (CLASS 39. CLOTHING.) BELLE KNITTING CORP., New York, N. Y. Filed Dec. 1, 1938. Serial No. 413,330.

Nevrchafe

For Ladies' and Children's Underwear.
Claims use since Oct. 3, 1938.

374,303. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ELLISON LOUVRE COMPANY, INC., Marietta, Ohio. Filed Dec. 3, 1938. Serial No. 413,438.



For Door, Window, and Wall Louvre Ventilators.
Claims use since Nov. 5, 1938.

374,304. (CLASS 39. CLOTHING.) THE CROWN OVERALL MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Dec. 14, 1938. Serial No. 413,821.

CAMARGO

For Clothing, Particularly Men's and Boys' Pants, Outer Shirts, and Breeches; Women's and Misses' Blouses, Skirts, and Dresses; Snow-Suits for Boys and Girls; Women's, Misses', and Boys' Play-Suits and Sun-Suits; and Clothing for Men, Women, Misses, and Boys—Namely, Jackets, Slacks, Shorts, Sweaters, Mackinaws, Riding Pants, Pajamas, Jodhpurs, Coats, Outer-Coats, and Overcoats, Robes, Bathing Suits, Beach-Coats, Halters, and Ski-Suits.
Claims use since Nov. 15, 1938.

374,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAFEWAY STORES, INC., also doing business as General Food Products Co., Vernon and Oakland, Calif. Filed Dec. 19, 1938. Serial No. 414,004.

HARPER HOUSE

For Canned Fruits.
Claims use since Oct. 6, 1938.

374,306. (CLASS 39. CLOTHING.) LEO J. GOLDBERGER, New York, N. Y. Filed Dec. 20, 1938. Serial No. 414,285.

Godey Girl Fashions

For Children's Dresses, Blouses, and Jumpers.
Claims use since Nov. 10, 1938.

374,307. (CLASS 12. CONSTRUCTION MATERIALS.) THE INSULITE COMPANY, Minneapolis, Minn. Filed Dec. 29, 1938. Serial No. 414,322.

SMOOTHCOTE

For Surface Coated Fiber Composition Board and Blocks and the Like.
Claims use since Nov. 1, 1938.

374,308. (CLASS 39. CLOTHING.) I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Dec. 30, 1938. Serial No. 414,372.

Wear-a-Year

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since Oct. 1, 1938.

374,309. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE VILLIERS ENGINEERING COMPANY LIMITED, Wolverhampton, England. Filed Jan. 13, 1939. Serial No. 414,805.

VILLIERS

For Internal Combustion Engines for Motor Cycles, Free-Wheel Clutches for Cycles.
Claims use since 1913 on internal combustion engines for motor cycles; since 1902 on free-wheel clutches for cycles.

374,310. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE DIVERSEY CORPORATION, Chicago, Ill. Filed Jan. 16, 1939. Serial No. 414,867.

Rub-R-Kleen

For Cleanser in Powdered Form Having Incidental Water-Softening Properties, for Cleaning and Soaking Milking Machine Tubes and for Cleaning Vacuum Lines and the Like.
Claims use since Nov. 7, 1938.

374,311. (CLASS 39. CLOTHING.) FANTLE BROS. CO. INC., Yankton, S. Dak., and Fort Dodge and Marshalltown, Iowa. Filed Jan. 30, 1939. Serial No. 415,384.

KAY CAROL FROCKS
fashioned for Fantle's

For Ladies' and Children's Dresses and Housecoats.
Claims use since Nov. 19, 1938.

374,312. (CLASS 12. CONSTRUCTION MATERIALS.) THE INSULITE COMPANY, Minneapolis, Minn. Filed Jan. 30, 1939. Serial No. 415,391.

SATINCOTE

For Surface Coated Fiber Composition Board and Blocks, and the Like.
Claims use since Nov. 1, 1938.

374,313. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) G. H. S. CORPORATION, New York, N. Y. Filed Apr. 12, 1939. Serial No. 418,144.

Vogue

For Hair Goods—Namely, Switches, Transformations, Bob Wigs, Puffs, Curls, Ringlets, Wavelets, Pin Curls, Hair Rolls, and Crepe Wool Used in Foundations for the Hair.
Claims use since Nov. 7, 1938.

374,314. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SWARTCHILD & COMPANY, Chicago, Ill. Filed May 18, 1939. Serial No. 419,564.

TAND

For Fabric Watch Straps.
Claims use since Apr. 30, 1938.

374,315. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE COLSON CORPORATION, Elyria, Ohio. Filed May 29, 1939. Serial No. 419,951.

VASSAR

For Bicycles.
Claims use since Dec. 5, 1936.

374,316. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HORTON MANUFACTURING COMPANY, Fort Wayne, Ind. Filed June 2, 1939. Serial No. 420,102.

HORTON

For Laundry Washing Machines and Ironing Machines.
Claims use since November, 1937.

374,317. (CLASS 39. CLOTHING.) THE FAIR, Chicago, Ill. Filed June 6, 1939. Serial No. 420,223.

Kenilworth ROYAL

For Men's Negligee Shirts.
Claims use since June 20, 1928.

374,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEAD JOHNSON & COMPANY, Evansville, Ind. Filed June 10, 1939. Serial No. 420,381.

MEAD'S

Applicant is the owner of United States trade-mark registrations Nos. 173,340, 178,378, 184,697, and 295,757.
For Specially Prepared Food in Powdered Form for Infants and Invalids; Specially Prepared Food Containing Vitamin B in Powdered Form for Infants and Invalids; Specially Prepared Calcium Caseinate for Preparing Protein Milk; Powdered Whole Milk; Powdered Half Skim Milk; Specially Prepared Cereal Enriched With Mineral and Vitamin Containing Foods; Brewers Yeast, Powdered and in Tablets; Powdered Beef Bone for Human Use; a

Cereal, Egg and Milk Free Food for Allergic Children; a Spray Dried Food Mixture Including Skim Milk and Olive Oil; Lactic Acid Milk and Protein Milk.
Claims use since Aug. 1, 1911.

374,319. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA MIRANDA OLIVE COMPANY, also doing business as Corning Olive Company, San Francisco, Calif. Filed July 5, 1939. Serial No. 421,291.

Stratford Inn

For Olives Packed in Cans and in Bottles.
Claims use since 1929.

374,320. (CLASS 39. CLOTHING.) J. FRIEDMAN & CO., INC., New York, N. Y. Filed July 15, 1939. Serial No. 421,605.

"Gullane"

For Men's and Boys' Suits, Coats, Vests, Pants, Overcoats, and Topcoats.
Claims use since Oct. 25, 1938.

374,321. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed July 25, 1939. Serial No. 421,920.

Columbia River

For Canned Fruits.
Claims use since 1929.

374,322. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) SMALLY PRODUCTS, INC., Canton, Ohio. Filed Aug. 1, 1939. Serial No. 422,184.

"Sparkle-Lite"

For Reflectors Used for Store Window Lighting, Advertising, Decorative, and Display Lighting.
Claims use since Nov. 12, 1938.

374,323. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALL PACKING CO., Sanger, Calif. Filed Aug. 5, 1939. Serial No. 422,328.

VINE SWEETS

For Fresh Grapes.
Claims use since Aug. 30, 1937.

374,324. (CLASS 39. CLOTHING.) JAY SHOE MANUFACTURING COMPANY, Cambridge, Mass. Filed Aug. 17, 1939. Serial No. 422,703.

NEVA CUT

For Ladies' Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Nov. 7, 1938.

374,325. (CLASS 39. CLOTHING.) VOGUE KNITTING COMPANY, Womelsdorf, Pa. Filed Aug. 24, 1939. Serial No. 422,961.

Graigwear

For Children's Knit Underwear.
Claims use since Feb. 14, 1938.

374,326. (CLASS 39. CLOTHING.) HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Sept. 2, 1939. Serial No. 423,267.

KlipTIP

For Braces.
Claims use since Mar. 16, 1937.

374,327. (CLASS 39. CLOTHING.) FASHION FROCKS, INC., Cincinnati, Ohio. Filed Sept. 8, 1939. Serial No. 423,416.

Fashion Junior

For Children's Apparel—Namely, Shirts and Dresses.
Claims use since Jan. 1, 1936.

374,328. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) VICTOR H. ROOS, doing business as Multiwave Manufacturing Company, Kansas City, Mo. Filed Sept. 14, 1939. Serial No. 423,610.

MULTIWAVE

For Portable Device Contained in a Carrying Case Generating Electrical Current or Currents of Different Wave Lengths and Intensities, Designed for Use by Physicians, Osteopaths, and Others, and for Home Use in the Therapeutic Treatment of the Sick.
Claims use since Feb. 1, 1936.

374,329. (CLASS 39. CLOTHING.) KOLODNEY & MYERS, INC., Hartford, Conn. Filed Sept. 29, 1939. Serial No. 424,046.

Betty Hartford

For Ladies' Cotton, Silk, and Rayon Dresses.
Claims use since Sept. 1, 1937.

374,330. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CAMERON HEARTOMETER COMPANY, Chicago, Ill. Filed Oct. 6, 1939. Serial No. 424,249.

CARDIORESPIROGRAPH

For Instrument Used to Determine and Record the Heart, Venous, and Lung Action.
Claims use since Sept. 1, 1938.

374,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MISS SAYLOR'S CHOCOLATES, INC., Alameda, Calif. Filed Oct. 11, 1939. Serial No. 424,443.

Miss Saylor's

COFFEE-ETS

Applicant is the owner of registration No. 147,158, dated October 4, 1921.
For Candy.
Claims use since May, 1933.

374,332. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CHAPMAN VALVE MFG. CO., Indian Orchard, Mass. Filed Oct. 18, 1939. Serial No. 424,657.

DOW
DISC ARM
PIVOT VALVE

For Pivoted Disc Valves and Parts Thereof and Accessories Therefor.
Claims use since Jan. 1, 1931.

374,333. (CLASS 12. CONSTRUCTION MATERIALS.) WHITNEY BROS. INC., Boston, Mass. Filed Oct. 25, 1939. Serial No. 424,898.

AIRTITE

For Building Paper.
Claims use since Mar. 10, 1938.

TRADE-MARK REGISTRATIONS RENEWED

17,681. **PV.** UNCUT LEATHER, AND LEATHER WORKED UP INTO FOOT-WEAR. Registered March 18, 1890. PFISTER & VOGEL LEATHER COMPANY. Renewed March 18, 1940, to The Pfister & Vogel Tanning Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

127,765. **SEASHORE.** CANNED SARDINES. Registered December 2, 1919. LUBEC SARDINE CO., Lubec and Belfast, Maine. Renewed December 2, 1939, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, assignee.

127,901. **ARCH BUILDER.** FLEXIBLE NON-METALLIC SUPPORTS FOR THE LONGITUDINAL ARCH OF THE FOOT. Registered December 16, 1919. ALEXANDER E. BLOCK, St. Louis, Mo. Renewed December 16, 1939.

127,922. **DMC.** THREADS, YARNS MADE OF ARTIFICIAL SILK AND SPUN SILK. Registered December 16, 1919. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany, Renewed December 16, 1939, to Dollfus-Mieg Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

127,923. **DMC.** THREADS, YARNS MADE OF ARTIFICIAL SILK AND SPUN SILK. Registered December 16, 1919. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany, Renewed December 16, 1939, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

127,924. **COLUMNS AND ENTABLATURE.** THREADS, YARNS MADE OF ARTIFICIAL SILK AND SPUN SILK. Registered December 16, 1919. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed December 16, 1939, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

127,925. **DMC.** THREADS, YARNS MADE OF ARTIFICIAL SILK AND SPUN SILK. Registered December 16, 1919. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed December 16, 1939, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

128,046. **2 ON A BELL.** COTTON YARNS. Registered December 23, 1919. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed December 23, 1939, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

128,047. **D. M. C.** COTTON YARNS. Registered December 23, 1919. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed December 23, 1939, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

128,617. **BARBOUR'S, ETC.** LINEN THREAD. Registered January 13, 1920. THE BARBOUR BROTHERS CO., Paterson, N. J. Renewed January 13, 1940, to The Linen Thread Co., Inc., New York, N. Y., a corporation of Delaware, successor.

128,775. **GUADALUPANO.** VARIOUS MEDICINAL PREPARATIONS AND PRODUCTS. Registered January 13, 1920. THE DR. J. H. MCLEAN MEDICINE CO., St. Louis, Mo., a corporation of Missouri. Renewed January 13, 1940.

128,776. **GUADALUPANAS.** A CERTAIN MEDICINAL PREPARATION—NAMELY, PURGATIVE PILLS. Registered January 13, 1920. THE DR. J. H. MCLEAN MEDICINE CO., St. Louis, Mo., a corporation of Missouri. Renewed January 13, 1940.

129,142. **MAX-EL.** STEEL BARS, RODS, BILLETS, BLOOMS, SHEETS, PLATES, SLABS, STRIPS, BLOCKS, AND FORGINGS. Registered January 27, 1920. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed January 27, 1940, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey.

129,147. **DMC.** THREADS AND YARNS MADE OF WOOL. Registered January 27, 1920. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, Germany. Renewed January 27, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

129,279. **DMC.** THREADS, YARNS MADE OF ARTIFICIAL SILK AND SPUN SILK. Registered February 10, 1920. DOLLFUS MIEG & CIE. SOCIETE ANONYME, Mulhausen, Germany. Renewed February 10, 1940, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation of Germany, now of France.

129,568. **CAL-OLEUM.** HAIR-TONIC. Registered February 24, 1920. HENRY S. WOOLNER, Los Angeles, Calif. Renewed February 24, 1940, to Henry S. Woolner, Long Beach, Calif.

129,760. **LIBERTY.** WRITING-INK. Registered March 9, 1920. HYMAN JULIUS. Renewed March 9, 1940, to Liberty Ink Company, Brooklyn, N. Y., a firm, successor.

129,797. **FRENCHEE.** DRY-CLEANING COMPOUND. Registered March 9, 1920. THE MILLER CHEMICAL CO. Renewed March 9, 1940, to Chas. J. Lapp, doing business as The Miller Chemical Company, Cincinnati, Ohio, successor.

130,162. **DIAMOND.** WALNUT-MEATS. Registered April 13, 1920. CALIFORNIA WALNUT GROWERS ASSOCIATION, Los Angeles, Calif., a corporation of California. Renewed April 13, 1940.

130,222. **RADIANT.** GLASS LIGHTING-FIXTURES—NAMELY, SHADES, BOWLS, GLOBES, AND REFLECTORS. Registered April 13, 1920. THE PHOENIX GLASS COMPANY, Pittsburgh, Pa. Renewed April 13, 1940, to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia.

130,246. **WARNER.** LIGHT-REFRACTING OR DIFFUSING GLASSES FOR HEADLIGHTS. Registered April 13, 1920. THE WARNER LENZ COMPANY. Renewed April 13, 1940, to Warner-Patterson Company, Chicago, Ill., a corporation of Illinois, by change of name.

130,672. **THOROBRED.** HORSE-LEATHER. Registered May 4, 1920. CHICAGO TANNING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 4, 1940.

130,754. **STANEX.** FIBER ROPES AND TWINES. Registered May 4, 1920. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,760. **IDEAL.** ROLLERS FOR CERTAIN NAMED MACHINES. Registered May 4, 1920. IDEAL ROLLER COMPANY. Renewed May 4, 1940, to Ideal Roller and Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

130,956. **SENTIMENT.** CANDY. Registered May 4, 1920. UNITED DRUG COMPANY. Renewed May 4, 1940, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

131,302. **D.** DROP-FORGE PARTS. Registered May 11, 1920. THE DUFF MANUFACTURING COMPANY. Renewed May 11, 1940, to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania, by change of name.

131,369. **A PORTRAIT OF ADOLPH SHIFRIN.** SALVES AND OINTMENTS FOR CERTAIN NAMED DEFECTIONS. Registered May 11, 1920. ADOLPH SHIFRIN, Brooklyn, N. Y. Renewed May 11, 1940.

131,456. **FAIRBANKS-MORSE.** CERTAIN NAMED INTERNAL-COMBUSTION ENGINES. Registered May 18, 1920. FAIRBANKS, MORSE & CO., Chicago, Ill., a corporation of Illinois. Renewed May 18, 1940.

131,593. **ANCHOR.** A LINIMENT FOR THE TREATMENT OF RHEUMATISM, NEURALGIA, SPRAINS, BRUISES, LAMENESS, AND THE LIKE. Registered May 18, 1920. F. AD. RICHTER & CO. OF NEW YORK, New York, N. Y. Renewed May 18, 1940, to F. Ad. Richter & Co. Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

131,594. **AN ANGEL, ETC.** A LINIMENT FOR THE TREATMENT OF RHEUMATISM, NEURALGIA, LAMENESS, SPRAINS, BRUISES, AND THE LIKE. Registered May 18, 1920. F. AD. RICHTER & CO., OF NEY YORK, New York, N. Y. Renewed May 18, 1940, to F. Ad. Richter & Co. Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

131,627. **CALSO.** COMBINED INSECTICIDE AND FUNGICIDE. Registered May 18, 1920. STANDARD CHEMICAL WORKS. Renewed May 18, 1940, to Allegheny Chemical Corporation, Reading, Pa., a corporation of Delaware, assignee.

131,646. **RESINAROME.** RESINS AND VOLATILE OILS FOR IMPARTING SCENT TO TOILET PREPARATIONS. Registered May 18, 1920. UNGERER & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 18, 1940.

131,647. **MOCCASIN.** WRAPPING-PAPERS. Registered May 18, 1920. UNION BAG & PAPER CORPORATION, Jersey City, N. J., and New York, N. Y. Renewed May 18, 1940, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey.

131,740. **ALLIES.** FABRIC PUTTEES. Registered May 25, 1920. EATON RAPIDS WOOLEN MILLS. Renewed May 25, 1940, to Horner Woolen Mills Company, Eaton Rapids, Mich, a corporation of Michigan, by changes of name.

131,754. **SCOTCHSPUN.** NECKTIES, CRAVATS, AND SCARFS. Registered May 25, 1920. FRANC, STROHMENGER & COWAN, INC., New York, N. Y. Renewed May 25, 1940, to Franc, Strohmenger & Cowan, Inc., Troy, N. Y., a corporation of New York, assignee.

131,862. **D. T. E.** OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS. Registered May 25, 1920. VACUUM OIL COMPANY. Renewed May 25, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

131,863. **ARCTIC.** OILS, GREASES, AND WAXES AND SIMILAR PRODUCTS FOR LUBRICATING, ILLUMINATING, AND HEATING PURPOSES, ALSO GASOLENE. Registered May 25, 1920. VACUUM OIL COMPANY. Renewed May 25, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

131,865. **KOMO.** OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS. Registered May 25, 1920. VACUUM OIL COMPANY. Renewed May 25, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

131,866. **VACTRA.** OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS. Registered May 25, 1920. VACUUM OIL COMPANY. Renewed May 25, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

131,867. **VACME.** OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS. Registered May 25, 1920. VACUUM OIL COMPANY. Renewed May 25, 1940, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

131,872. **MONUMENTAL.** CERTAIN NAMED FOOTWEAR. Registered May 25, 1920. PHILIP H. VOLK. Renewed May 25, 1940, to P. H. Volk & Co., Inc., Baltimore, Md., a corporation of Maryland, successor.

131,911. **KNOX.** GELATIN. Registered May 25, 1920. CHARLES B. KNOX GELATINE CO. INC., Johnstown, N. Y., a corporation of New York. Renewed May 25, 1940.

LABELS

REGISTERED JANUARY 2, 1940

54,095.—*Title:* MAKING LIFE LIKE FUNNY-FOLKS. For Complete Kits in Miniature for Making Lifelike Funny-Folks. AMKO COMPANY, Philadelphia, Pa. Published October 10, 1939.

54,096.—*Title:* VALLEY BROOK FARM EGGS. For Eggs. FELIX BARCA, doing business as Valley Brook Farm, New York, N. Y. Published October 4, 1939.

54,097.—*Title:* RESACA. For Fresh Citrus Fruits. BAY-VIEW CITRUS ASSOCIATION, doing business as Bay View Citrus Assn., Los Fresnos, Tex. Published November 1, 1939.

54,098.—*Title:* OIL OF LEMON. For Oil of Lemon. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published August 5, 1939.

54,099.—*Title:* POLICE—POSTMAN—FIREMAN SUPER SERVICE SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 18, 1939.

54,100.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published November 29, 1939.

54,101.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published November 29, 1939.

54,102.—*Title:* "AQUILA D'ORO". For Coffee. ROMUALDO E. DI MARCO, New York, N. Y. Published November 4, 1939.

54,103.—*Title:* TUTCH-UPP BRAND GREASELESS FURNITURE POLISH. For Furniture Polish. WALTER SCOTT DRYBURGH, Wauwatosa, Wis. Published January 2, 1938.

54,104.—*Title:* ISO-EFEMIST. For Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published October 21, 1939.

54,105.—*Title:* ISO-EFEMIST. For Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published October 21, 1939.

54,106.—*Title:* LIVURAL. For Unguentum. HART DRUG CORPORATION, Miami, Fla. Published November 24, 1939.

54,107.—*Title:* LIVURAL. For Unguentum. HART DRUG CORPORATION, Miami, Fla. Published November 24, 1939.

54,108.—*Title:* HAZ-A-WEAR CASEIN INTERIOR-PASTE FLAT PAINT. For a Casein Interior Paste Flat Paint. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published November 24, 1939.

54,109.—*Title:* HAZ-A-WEAR TRIM COLORS. For a Durable Trim Paint. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published November 10, 1939.

54,110.—*Title:* NOFADE BROWN. For a Brown Paint. THE HAZARD LEAD WORKS, INC., Brooklyn, N. Y. Published November 24, 1939.

54,111.—*Title:* THE KOKAY COOKER. For Egg Cookers. KOKAY MANUFACTURING CO. INC., North Hollywood, Calif. Published September 29, 1939.

54,112.—*Title:* KOKAY COOKER. For Egg Cookers. KOKAY MFG. CO. INC., North Hollywood, Calif. Published November 10, 1939.

54,113.—*Title:* PYO-REX. For Treatments for Pyorrhea or Vincent's Angina. RICHARD OLIVER LANCE, doing business as Ecnal Laboratories, Tarzana, Calif. Published May 18, 1938.

54,114.—*Title:* MALTED PANCAKE FLOUR. For Malted Pancake Flour. MALT CORPORATION OF AMERICA, Buchanan, Mich. Published September 25, 1939.

54,115.—*Title:* MALTED BUCKWHEAT PANCAKE FLOUR. For Malted Buckwheat Pancake Flour. MALT CORPORATION OF AMERICA, Buchanan, Mich. Published September 25, 1939.

54,116.—*Title:* ATHLETE'S SALVE. For a Salve for Athlete's Foot. MANHATTAN LABORATORIES, New York, N. Y. Published November 3, 1939.

54,117.—*Title:* SWEET GEORGIA BROWN LEMON FRAGRANCE LOTION. For a Lemon Lotion for the Face, Hands, Arms and Neck. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1939.

54,118.—*Title:* SELMER BORE OIL. For Bore Oil for Wood-Wind Instruments. H. & A. Selmer Inc., Elkhart, Ind. Published August 1, 1939.

54,119.—*Title:* SELMER KEY OIL. For Key Oil With Applicator for Saxophones, Flutes, Clarinets, Picolos, Bassoons, Oboes, English Horns, and All Keyed Instruments. H. & A. SELMER INC., Elkhart, Ind. Published August 1, 1939.

54,120.—*Title:* SELMER VALVE OIL. For Valve Oil With Applicator for Trumpets. H. & A. SELMER INC., Elkhart, Ind. Published August 1, 1939.

54,121.—*Title:* EUGENIA'S WHOLE WHEAT BREAD. For Whole Wheat Bread. ANNA E. E. SCHNEIDER, Baltimore, Md. Published November 2, 1939.

54,122.—*Title:* DELICIOUS RAISIN BREAD. For Raisin Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,123.—*Title:* JUMBO BREAD. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,124.—*Title:* NICKEL LOAF. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,125.—*Title:* HIKES. For Wheat Cereal Products. V. E. WIKSTRAND, doing business as Golden West Milling Co., Longmont, Colo. Published March 23, 1939.

54,126.—*Title:* CAVALIERE BRAND MACARONI PRODUCTS. For Macaroni Products. CLARENCE W. WOLFE, doing business as Megs Macaroni Co., Harrisburg, Pa. Published August 1, 1937.

PRINTS

REGISTERED JANUARY 2, 1940

17,781.—*Title:* BLODGETT BROWNTONES. For Framed Advertising Art Thermometers. C. M. BLODGETT METAL NOVELTIES, New York, N. Y. Published November 15, 1939.

17,782.—*Title:* SPICY, OLD-TIME MINCE PIE! For Mince Meat. THE BORDEN CO., New York, N. Y. Published October 23, 1939.

17,783.—*Title:* LEAF DESIGN. For Carpeting. DOWNS CARPET CO., INC., Philadelphia, Pa. Published August 23, 1939.

17,784.—*Title:* BIRD OF PARADISE DESIGN. For Carpeting. DOWN CARPET CO., INC., Philadelphia, Pa. Published August 23, 1939.

17,785.—*Title:* PALMETTO DESIGN. For Carpeting. DOWNS CARPET CO., INC., Philadelphia, Pa. Published August 23, 1939.

17,786.—*Title:* ". . . AND EVERY COFFEE BEAN IS CAREFULLY INSPECTED." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published October 4, 1939.

17,787.—*Title:* ". . . AND GREEN COFFEE IS DRIED SLOWLY IN THE SUN." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 27, 1939.

17,788.—*Title:* "I NEVER KNEW COFFEE IS PICKED BY HAND." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 13, 1939.

17,789.—*Title:* "I NEVER REALIZED HOW IMPORTANT THE COFFEE-TESTER IS." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published October 11, 1939.

17,790.—*Title:* "I NEVER REALIZED THE IMPORTANCE OF WASHING GREEN COFFEE." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published September 20, 1939.

17,791.—*Title:* ". . . ISN'T IT WONDERFUL HOW THEY CONTROL THE GRIND OF COFFEE." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published November 1, 1939.

17,792.—*Title:* "NO WONDER THE COFFEE IS FRESH WHENEVER YOU BUY IT." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published November 8, 1939.

17,793.—*Title:* "THEY TAKE A SAMPLE FROM EVERY SINGLE BAG." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published October 18, 1939.

17,794.—*Title:* "WASN'T THAT CAN-TESTING MACHINE AMAZING." For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published November 23, 1939.

17,795.—*Title:* SELMER MAGNITONE LIGATURE. For Ligatures for Clarinets and Saxophones. H. & A. SELMER INC., Elkhart, Ind. Published June 15, 1939.

17,796.—*Title:* SILVERICE CHILLS WITHOUT DILUTING. For Metal and Glass Balls Containing Distilled Water Which, When Frozen, Are Used for Chilling and Decorative Purposes for Beverages, Butter, Celery, Fruits, Olives, Salads, and Certain Types of Desserts. SILVERICE, INC., New York, N. Y. Published September 20, 1939.

REISSUES

JANUARY 2, 1940

21,311

WATERPROOFING COMPOSITION AND METHOD OF WATERPROOFING FABRIC

John B. Cleaveland, Far Hills, N. J.

No Drawing. Original No. 2,046,305, dated June 30, 1936, Serial No. 714,267, March 6, 1934. Application for reissue June 29, 1938, Serial No. 216,631

10 Claims. (Cl. 91—68)

1. A waterproofing composition comprising an aqueous emulsion of a diglyco ester of a higher fatty acid and a soluble salt of a metal which reacts with a higher fatty acid to form an insoluble soap.

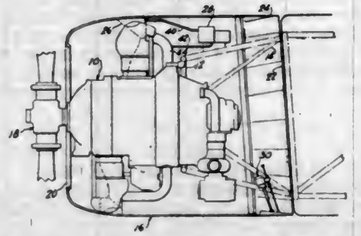
21,312

AUTOMATIC REGULATION FOR ENGINE COOLING MEANS

Harry C. Nissen, South Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Original No. 2,081,762, dated May 25, 1937, Serial No. 101,961, September 22, 1936. Application for reissue February 4, 1938, Serial No. 188,819

14 Claims. (Cl. 123—171)



1. In combination with an engine having a plurality of heat radiating cylinders, a cowling inclosing said cylinders, baffles between said cylinders to restrict the flow of cooling air through said engine and create an air pressure differential within said cowl upon opposite sides of said baffles, and movable cowl flaps for controlling the air pressure on the low pressure side of said baffles, power operated means effective to open and close said cowl flaps, and means responsive to the pressure drop across said baffles for controlling said power operated means.

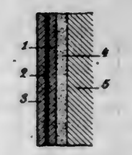
21,313

DECORATIVE WALL COVERING

Gaston Désagnat, Paris, France

Original No. 1,930,740, dated October 17, 1933, Serial No. 506,962, January 6, 1931. Application for reissue October 6, 1939, Serial No. 298,225. In France January 13, 1930

11 Claims. (Cl. 41—22)

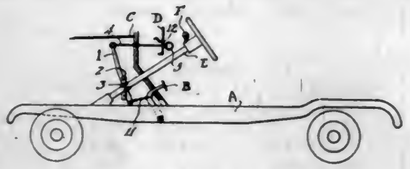


8. A decorative covering structure adapted to be directly secured by gluing to a wall, comprising a rigid plate such as a glass sheet having a decorative layer on the rear surface thereof and a backing sheet of flexible and compressible swanskin to which said plate is glued, said plate being sub-divided into a multiplicity of tiles in jointed relation upon said backing sheet, the latter having longitudinal and transverse extensibility at the considerable number of joints between successive tiles.

PATENTS

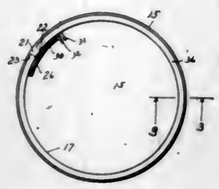
GRANTED JANUARY 2, 1940

2,185,170
ATTACHMENT FOR HAND OPERATION OF FOOT BRAKES AND THE LIKE
Paul H. Armstrong, Orange, N. J.
Application November 19, 1938, Serial No. 241,352
4 Claims. (Cl. 74—481)



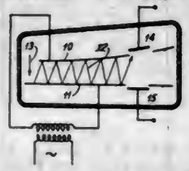
1. In combination with parts of an automobile including the foot pedal of a foot pedal operated mechanism, the engine hood and the dash board, of a lever pivotally mounted on a horizontal axis intermediate its ends beneath said hood, a hand grip accessible in front of said dash board, a flexible connector between one end of said lever and said hand grip, and a lost-motion connection between the other end of said lever and said foot pedal to actuate said foot pedal in one direction by a pull on said hand grip and permit said foot pedal to be operated in said direction by the foot independently of said lever and said hand grip.

2,185,171
CLOSURE DEVICE FOR DRUMS AND THE LIKE
Charles J. Brown, Brooklyn, N. Y., assignor to Keystone Drum Company, a corporation of Pennsylvania
Application November 11, 1937, Serial No. 173,989
8 Claims. (Cl. 220—61)



1. A closure device, for a drum or the like having a plurality of pre-formed indentations on its inner side and adjacent to its end, comprising a cupped cover insertable in the inside of the end of the drum and having a flange extending up over the edge of the drum; openings formed in the cover flange in alignment with the indentations in the drum; an adjustable clamping ring having a plurality of rigid outwardly-extending tongues adapted to be aligned with the indentations of the drum; whereby when said clamping ring is inserted and adjusted in the cover, the said tongues project through the openings in the cover flange into engagement with the indentations in the drum to clamp the cover to the drum.

2,185,172
ELECTRON MULTIPLIER
Ernst Brüche, Berlin-Reinickendorf, and Eberhard Steudel, Berlin-Dahlem, Germany, assignors to Allgemeine Elektricitats Gesellschaft, Friedrich-Karl-Ufer
Application March 26, 1937, Serial No. 133,141
In Germany March 17, 1936
6 Claims. (Cl. 250—27)



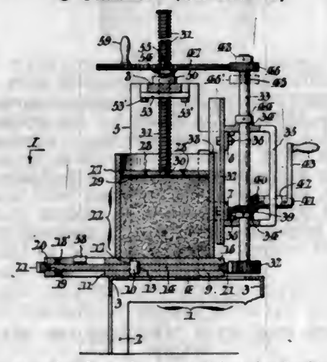
1. An electronic amplifier tube comprising a pair of electrodes, said electrodes being oppositely arranged and at an acute angle with respect to each other, at least one of said electrodes being capable of producing secondary electrons upon electronic bombardment, a source of primary electrons, means for impressing an alternating current potential upon said electrodes to produce successive stages of electron multiplication, the angle of the electrodes with respect to each other causing a migration of the electrons in the direction of divergence of the electrodes, and a collector anode for receiving the secondary electrons.

2,185,173
BACK PRESSURE VALVE
James C. Fortune, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application February 15, 1937, Serial No. 125,809
8 Claims. (Cl. 137—69)



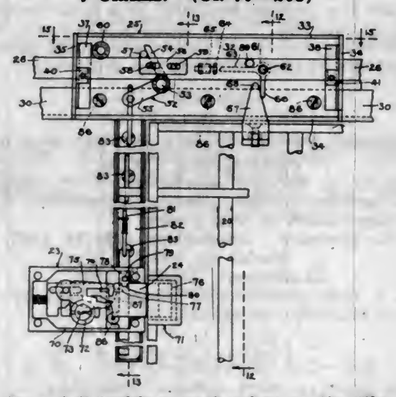
1. In a back pressure valve for a drill pipe, a valve housing comprising a fitting adapted to be connected between adjacent sections of the drill pipe, said housing including an adjacent end portion of one of said sections having a passage therethrough, a portion of which is of a diameter greater than the portion of the passage through said adjacent end portion, a valve element in said housing passage of a diameter less than the diameter of the passage through the said end portion and having a skeleton part in the passage through said housing of a diameter too great to enter said end portion, whereby movement of said valve element into said end portion will be limited, and said valve element having a part expansible into sealing engagement with the walls of said end portion when forced thereinto by fluid under pressure tending to enter said end portion from said fitting.

2,185,174
CAKE PRESSING AND MOLDING MACHINE
John J. Hendler, Burlington, N. J.
Application June 24, 1939, Serial No. 280,955
8 Claims. (Cl. 107—8)



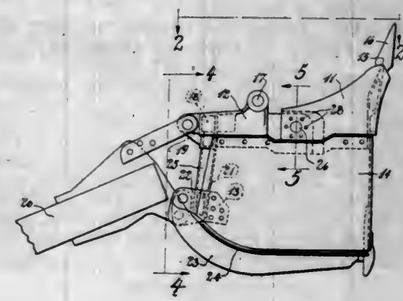
1. In a cake forming machine including a base structure, stationary feed and discharge plates with an intervening spacer pin and mounted on the base structure, an apertured mold plate rotatable on the spacer pin between the first mentioned plates, a receptacle on the feed plate for the substance from which the cake formations are made, a plunger in said receptacle, means securing the receptacle in operative position, associated means restraining the feed plate against frictional movement, progressing means including a quick-return device for the plunger, and synchronously coordinated means for rotating the mold plate.

2,185,175
JAIL LOCKING DEVICE AND THE LIKE
Folger Adam, Joliet, Ill.
Application December 18, 1936, Serial No. 116,530
7 Claims. (Cl. 70—263)



1. In a jail locking mechanism or the like, the combination with a series of swinging doors, of locking means for each door, including a bolt movable across the edge portion of the door for locking purposes, spring means tending to move each bolt into locking position, key operated means to withdraw each bolt against the force of its spring, and also operable at times to throw the bolt into a second locking position, a wedge plate connected to each lock bolt, and having a cam face extending from bottom to top thereof, a vertically movable dead lock bar located in proximity to each lock bolt and the wedge plate thereof, and having a part adapted to engage the cam face when the dead lock bar is moved upwards with the key lock mechanism in normal position, there being a notch in each lock bolt, and a locking pin on each dead lock bar in position to engage the corresponding bolt notch when the dead lock bar is lowered, together with means to move all of the dead lock bars vertically in unison, substantially as described.

2,185,176
EXCAVATING DIPPER
William M. Bager, Fox Point, Mitchell L. Fykse and George W. Mork, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application January 27, 1938, Serial No. 187,208
13 Claims. (Cl. 214—145)

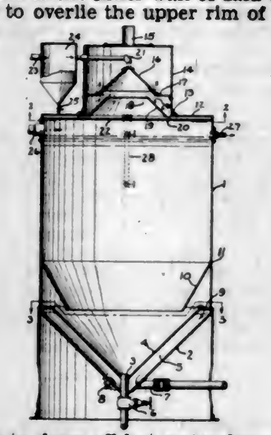


1. In an excavating dipper, in combination of: an upper cast rim in two parts; means for securing the two parts of the rim together, against sliding apart or prying apart; a digging lip on the front part of the rim; handle-attaching lugs on the rear part of the rim; hoist-means-attaching lugs on the rim; a lower rear hollow heel piece, extending clear across the rear lower edge of the dipper; handle-attaching lugs on this piece; the balance of the dipper body being built of structural plate; and vertical reinforcing ribs on the back of the plate portion, extending from the heel piece to the rim.

2,185,177
FEED WATER HEATER
Sidney Q. Bates, Houston, Tex., assignor of one-half to F. H. Thrailkill, Houston, Tex.
Application November 23, 1936, Serial No. 112,347
6 Claims. (Cl. 261—112)

1. In a feed water heater, a tank, means to heat the water therein, a downwardly tapered bottom thereon, a funnel shaped baffle above said bottom, the upper rim of said baffle directly being spaced from the walls of said tank, an outlet for sediment from the lower end of said baffle, a downwardly tapered deflecting plate secured at

its outer rim to the inner wall of said tank above said baffle to overlie the upper rim of said baffle,

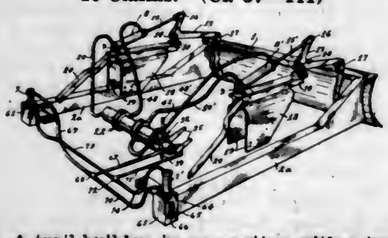


and means to draw off hot water from said tank below said baffle.

2,185,178
DUSTING POWDER
Reinhard Beutner, Philadelphia, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application October 30, 1937, Serial No. 172,041. In Germany August 21, 1933
7 Claims. (Cl. 167—58)

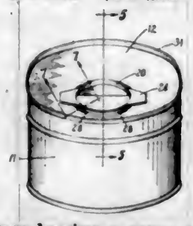
6. A dusting powder possessing the analgesic and vaso-constrictive properties of a partially condensed phenol-formaldehyde resin but substantially free from the irritating action of free phenol and formaldehyde, and comprising a finely powdered fusible phenol-formaldehyde resin from which uncombined phenol and formaldehyde have been expelled, said resin being capable of being heated without being converted into the final, infusible state.

2,185,179
HYDRAULIC CONTROL FOR TRAIL BUILDER
Len O. Bird, Glendale, and Edward P. Drake, Los Angeles, Calif.; said Drake assignor to said Bird
Application June 1, 1935, Serial No. 24,562
10 Claims. (Cl. 37—144)



3. A trail builder, in connection with a tractor, comprising a pair of forward-extending pusher arms connected to said tractor, a scraping element at the forward ends of said pusher arms, hydraulic jacks mounted on said tractor and operatively engaged with said pusher arms and scraping element, plunger means for actuating each hydraulic jack through individual columns of fluid, hydraulic means for actuating said plunger means.

2,185,180
CONTAINER
Thomas F. Brennan, Valhalla, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 7, 1939, Serial No. 255,155
6 Claims. (Cl. 221—64)



1. A container having a removable area which when broken out produces a dispensing opening, said area being surrounded by an upstanding wall, and a reclosure cap having a downwardly extending skirt portion conforming in general outline to said upstanding wall but of larger dimensions, said skirt portion being bent inwardly at spaced intervals to provide yielding elements for snap engagement with said upstanding wall when said reclosure cap is applied to the container.

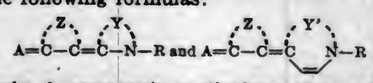
2,185,181
PRINTING INK AND METHOD OF MAKING SAME
Ruwin Bronsztajn, Hackensack, N. J.
No Drawing. Application January 26, 1934, Serial No. 708,476
10 Claims. (Cl. 134—35)

1. A composition of matter for use in the preparation of printing compositions, comprising a powdered mixture containing a pigment, a hydrophilic gum, and a mixture of thermally noncoagulable, soluble vegetable protein and such quantity of uncoagulated albumin as will be capable of rendering the whole mixture heat coagulable.

10. The method of producing a printing composition capable of forming a heat-coagulable colloidal paste with water, which comprises grinding a pigment to colloidal fineness with water, mixing the suspension with a hydrophilic gum and with a heat-coagulable protein material, and then quickly drying the mixture at temperatures below the coagulation point of the protein material, whereby a solid, uniform composition containing the protein material in a heat-sensitive state is obtained, the proportion of protein material being such as to render the whole mixture coagulable by heat after mixing with water.

2,185,182
MEROCYANINE DYES AND PROCESS OF PREPARING THEM
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 15, 1937, Serial No. 153,817
21 Claims. (Cl. 260—257)

3. A merocyanine dye characterized by one of the following formulas:



wherein A represents a divalent atom selected from the group consisting of oxygen and sulfur

atoms, R represents an alkyl group, Y represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of azole, azoline, indolenine, pyridine and quinoline nuclei, Y' represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of pyridine and quinoline nuclei and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five-membered heterocyclic nuclei containing a nuclear sulfur atom, five-membered heterocyclic nuclei containing a nuclear nitrogen atom and six-membered heterocyclic nuclei containing a nuclear nitrogen atom.

2,185,183
THIOCYANO-ALKYL ETHERS OF ALKYLPHENOLS
Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 26, 1938, Serial No. 237,058
13 Claims. (Cl. 260—454)

1. A compound having the formula

$$R—O—C_nH_{2n}—SCN$$

wherein n represents an integer from 2 to 5, inclusive, and R represents an alkylated phenyl radical containing at least 8 carbon atoms.

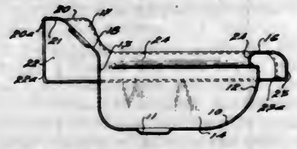
2,185,184
THIOCYANO-ALKYL ETHERS OF ALKYL-HALO-PHENOLS
Gerald H. Coleman and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Comany, Midland, Mich., a corporation of Michigan
No Drawing. Application October 26, 1938, Serial No. 237,059
9 Claims. (Cl. 260—454)

1. A thiocyano-alkyl ether of an alkyl-halo phenol.

2,185,185
THIOCYANO-ALKYL ETHERS OF HALO-PHENOLS
Gerald H. Coleman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 26, 1938, Serial No. 237,060
10 Claims. (Cl. 260—454)

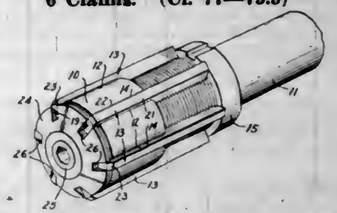
1. A thiocyano-alkyl ether of a halo-phenol.

2,185,186
LAVATORY OR WASHBASIN
Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 5, 1937, Serial No. 135,031
3 Claims. (Cl. 4—166)



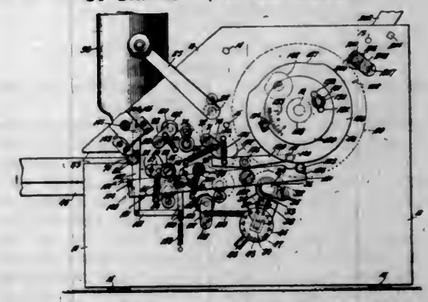
1. A washbasin pressed from a single metal sheet to provide a sump having upstanding walls extending around three sides of the sump, the upper edges of said walls being outturned to provide a continuous rim flange terminating in a depending apron having inturned lower edges, said rim flange being extended inwardly to provide a reinforcing rib overhanging said walls.

2,185,187
ROTARY CUTTER
Gerard A. De Vlieg, Rockford, Ill.
Application May 23, 1938, Serial No. 209,451
6 Claims. (Cl. 77—75.5)



1. A cutter comprising, in combination, a rotatable body having an outwardly opening slot therein defined by opposed side walls and a root surface disposed at an angle to the axis of said body, a blade snugly and slidingly fitting said slot and having a bottom face formed on an angle complemental to that of said root surface, grooves formed in adjacent side faces of said slot and said blade, the axis of the groove in said blade being substantially parallel with the plane of said bottom face and the groove in the slot face being at a sharply acute angle of approximately 5° toward the plane of said root surface, a locking pin freely slidable in said grooves and having angularly related sections respectively complemental to said grooves to produce upon insertion thereof into said grooves a wedging force for holding said blade seated against said root surface in any relative longitudinal position of adjustment, and a clamping member adjustably secured to the outer end of said body for engaging the outer end of said pin to press the latter longitudinally into wedge clamping position.

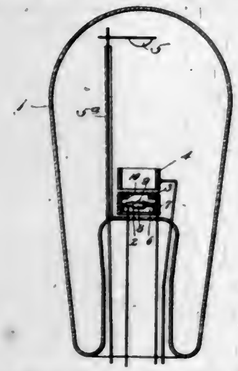
2,185,188
DUPLICATING MACHINE
John J. Flanigan, Oak Park, Ill., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application April 26, 1938, Serial No. 204,302
50 Claims. (Cl. 101—132.5)



1. In a machine of the character described, the combination of a rotatable master sheet carrier, drive means for continuously rotatively driving said carrier through repeated revolutions, means controlled by rotary movement of the carrier to operate during each revolution of the carrier in timed relation with the carrier to

moisten one face of a copy sheet supplied to said means and press the moistened face of said copy sheet to a master sheet carried by the rotating carrier, a control member normally urged to an idle position and manually settable at will in an active set position, means for automatically latching said control member in set position, and means controlled by the setting of said member and operable by continued rotation of the carrier to effect a substitution of a new master sheet for one carried by the carrier without interruption in the making of a copy for each revolution of the drum and to unlatch the set control member to prevent an automatic repeat of master sheet substituting operation of said means.

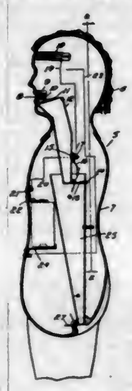
2,185,189
GASEOUS DISCHARGE TUBE
Kenneth Joseph Germeshausen, Cambridge, Mass.
Application November 7, 1935, Serial No. 48,669
13 Claims. (Cl. 176—122)



1. A gaseous-discharge tube comprising an anode, a cathode of a material which will break down under the action of a cathode spot and form a surface coating thereon of a material of low work-function, and a screen over the cathode material for providing points at which a glow discharge to the cathode may concentrate on the surface of the cathode, whereby the formation of a cathode spot on the cathode is facilitated.

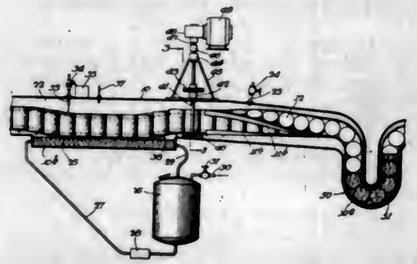
2,185,190
DOLL
Juan I. Gorbea and Adolfo I. Gorbea, San Juan, Puerto Rico
Application November 23, 1938, Serial No. 242,099
3 Claims. (Cl. 46—141)

1. A doll of the class described, comprising, head and body sections, said head section fashioned with a mouth opening, a heating element mounted in said head section, an upper tube mounted within said body section and having an upper end extending into said head section and arranged subjacent said mouth opening for receiving said food, a lower tube mounted in said body section and having an upper end surrounding the lower end of said upper tube, a weight operated valve member pivotally connected to said upper tube and normally closing said lower end thereof, said valve member equipped with a switch blade, a pair of spaced contact fingers carried by said upper tube and insulated therefrom, said fingers engageable by said switch blade upon operation of said valve to open position by the weight of food received therein whereby to close an electric circuit connected through said



fingers to said heating element for operating the latter to simulate a fever condition in said doll.

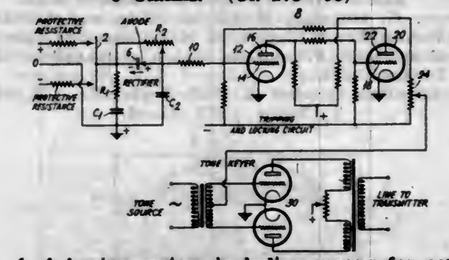
2,185,191
METHOD OF AND APPARATUS FOR FILLING CONTAINERS
Chester E. Gray, Oakland, and David D. Peebles, Berkeley, Calif.
Application August 28, 1937, Serial No. 161,372
24 Claims. (Cl. 226—75)



1. The method of filling a container with a fluid, which comprises the operations of removing the air content of the container, connecting the container while in motion from an entrance to an exit position in a sterile atmosphere with a stationary supply of the fluid to be filled therein, and then creating a difference in pressure between the inside and the outside of the container while maintaining said connection and continuing said motion whereby the pressure on the outside of the container acting on said fluid forces said fluid into said moving container.

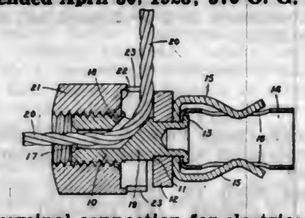
22. The combination in apparatus for filling containers with a fluid, of a housing, means for maintaining in said housing an atmosphere having a pressure greater than that of the surrounding air, means for maintaining in said housing a bath of fluid subjected to the pressure therein, means for moving the containers in succession through said housing, means acting on said containers while in motion for heating the containers and their contents, for connecting said containers successively with said bath of fluid, and for creating in said containers while so connected a pressure less than said pressure within said housing, and means for closing the mouths of said containers after they have been connected with said bath.

2,185,192
KEYING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 9, 1937, Serial No. 168,111
8 Claims. (Cl. 178—66)



1. A keying system including means for controlling the weight of keying comprising, means for producing positive and negative impulses characteristic of signals, a condenser and a resistance in series, means for impressing said impulses on said condenser, a storing device, and uni-directional means connecting said resistance and condenser to said storing device, whereby energy from said condenser and resistance is stored up in said device at different rates by the positive and negative impulses respectively.

2,185,193
ELECTRIC TERMINAL CONNECTION
Malcolm P. Hanson, Hyattsville, Md.
Application November 4, 1938, Serial No. 238,733
3 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



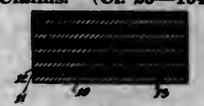
1. A terminal connection for electrical conductors comprising a nipple having contact means for detachable connection with another terminal and formed with a shoulder and with a bore extending therethrough opening at its forward end through the side of the nipple adjacent to said shoulder; and a cup-shaped ferrule screw threaded onto said nipple and having a notch formed in the forward edge of the wall thereof adapted to engage the end of an electric conductor extending through said bore and radially out of the forward end thereof, and to wrap the same about said nipple when said ferrule is screwed onto said nipple, said ferrule being adapted to clamp the wrapped portion of said conductor against said shoulder and said shoulder being adapted to enter said ferrule and close the notch therein.

2,185,194
METALLIC POWDER AGGREGATE
Clarence P. Harris, New York, N. Y.
No Drawing. Application January 18, 1936, Serial No. 59,800
5 Claims. (Cl. 134—76)

1. A compressed aggregate consisting of flaked and polished metal powder, the particles of the powder being coated with a film which lends to the particles their property of leafing in a pigment vehicle and being bound together and separated from each other by a binding substance uniformly dispersed throughout the aggregate, said binding substance being of a nature such that the same will not adversely affect the dispersion of the material of the aggregate in paint, varnish or other vehicles, or adversely affect the properties of the dried coating formed by such vehicles, the binding substance consisting of a liquid hydrocarbon the weight of the liquid being approximately ½% to 10% of the weight of the powder, the aggregate having been compressed at a pressure of 1000 to 10,000 pounds per square inch.

2. The method of making a substantially dustless solid or plastic aggregate of metal powder which consists in mixing with said powder a binding liquid in the amount of from ½% to 10% of the weight of the powder and subjecting said mixture to pressure of from 1000 to 10,000 lbs. per square inch without destroying the leafing power of the powder.

2,185,195
ART OF CURING AND PACKAGING BUILDING MATERIAL
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Original application November 22, 1932, Serial No. 643,891. Divided and this application January 17, 1936, Serial No. 59,503
6 Claims. (Cl. 25—154)



5. The method of making and curing cementitious shingles comprising applying a surface layer of plastic hydraulic cement upon fibrous base material of sufficient rigidity to support by itself said cement surfacing, said cement surfacing extending over certain edges of said base material; forming a compact grouping consisting of a plurality of units of said cement surfaced base material, and flexible membranes that will not bond to hydraulic cement and of greater dimensions than said units, forming said group while the cement is still plastic and forming said group with the sides of the units facing each other and with said flexible membranes projecting beyond the edges of the units and covering the cementitious surfacings of the units to substantially prevent bonding of the hydraulic cement side or edge surfacing of one unit with the side or edges of an adjoining unit in curing, and curing the units as thus arranged, said units being adapted for packaging without regrouping the individual layers.

6. The method of making and creating effects on cementitious shingles, comprising securing a surface layer of plastic hydraulic cement to one side of fibrous base material of sufficient rigidity to support by itself said cement layer, the opposite side of said base material being substantially in dry condition; forming a compact grouping consisting of a plurality of units of said cement surfaced base material and liquid absorptive, porous, flexible membranes that will substantially not bond to hydraulic cement, forming said group while the cement is still plastic and forming said group with the moist cement sides of the units facing the dry side of their respective

adjacent units and with said flexible membranes covering the cement surfaced sides and in contact with the dry side of the adjacent units, and permitting the cement surfacing to harden while the units are so arranged; said membranes substantially preventing bonding of the adjacent units in curing and said membranes absorbing liquid from said moist cement sides whereby to wrinkle and form surface effects upon the cementitious sides and said units being adapted for packaging without regrouping the individual layers.

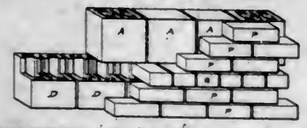
2,185,196

HOLLOW BLOCK MASONRY CONSTRUCTION

Frederick Heath, Tacoma, Wash., assignor to The Heath Unit Tile Company, Tacoma, Wash., a corporation of Washington

Application October 31, 1935, Serial No. 47,648

6 Claims. (Cl. 72—41)



1. A masonry construction made of hollow building blocks and mortar, each block being of rectangular cross section and having two internal webs adjacent to and parallel with their longer faces and periodically connected therewith in a manner to form minor voids which are no wider than the webs, and having major voids extending from end to end, said construction comprising a course of blocks such as aforesaid some of the voids of which are horizontal and some of which are vertical, and a surmounting course such as aforesaid with the blocks having their voids vertical where they were horizontal in the lower course and horizontal where they were vertical, whereby four vertical load-supporting members are provided by each block and the voids of each block are sealed at their ends by flat faces of adjacent blocks.

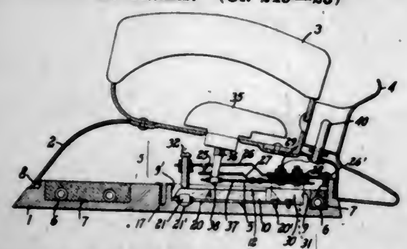
2,185,197

AUTOMATIC ELECTRIC HEATING IRON

George C. Heinrich, Meriden, Conn., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware

Application October 21, 1937, Serial No. 170,236

12 Claims. (Cl. 219—25)



1. In an automatic electric heating iron a sole plate casting having a body of cementitious material on the upper surface thereof, said cementitious body having formed centrally thereof a narrow elongated chamber whose bottom is a part of the sole plate casting, a temperature regulating unit comprising an elongated thermostatic element fastened at one end flat against the bottom of said chamber and extending substantially throughout the length thereof and a heating element embedded in said body of cementitious material, said thermostatic element being directly exposed to the radiant heat rays from said cementitious body.

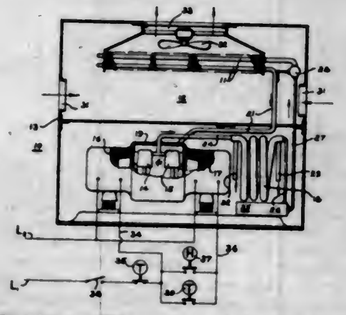
2,185,198

AIR CONDITIONING APPARATUS

Leroy G. Huggins, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 6, 1936, Serial No. 104,166

8 Claims. (Cl. 62—4)



8. In air conditioning apparatus, the combination of an evaporator, means for conveying air over said evaporator, a plurality of compressors for withdrawing vapor from said evaporator to effect vaporization of refrigerant therein, means responsive to a predetermined maximum temperature for effecting operation of one compressor, and means controlling the operation of at least one other compressor and effective to increase the number of compressors in operation to two in response to a predetermined high humidity condition.

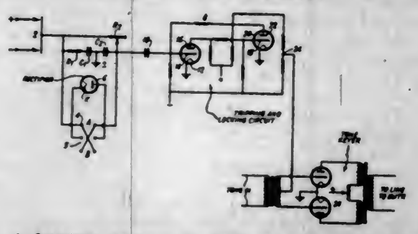
2,185,199

KEYING SYSTEM

Alfred Kahn, Ozone Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 19, 1938, Serial No. 202,834

5 Claims. (Cl. 178—66)



1. A keying system including means for subtracting time from the marking impulses or spacing intervals comprising a source of impulses of opposed polarity characteristic of signals, a resistor and a condenser in series energized by said source, a rectifier, a second condenser, a resistor in shunt to said rectifier, a pair of output terminals connected to said second condenser, and a reversing switch and circuits for connecting said first resistor and condenser to said rectifier and second resistor and connecting said rectifier and second resistance to said second condenser and reversing the polarity of said rectifier in said connection.

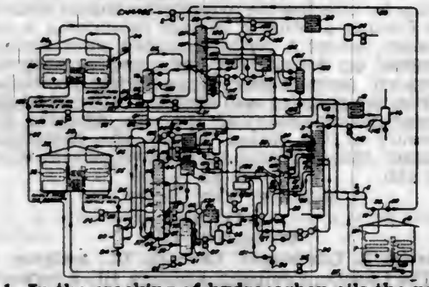
2,185,200

CRACKING OF HYDROCARBON OILS

Percival C. Keith, Jr., Peapack, N. J., and Joseph K. Roberts, Flossmoor, Ill., assignors of one-half to Standard Oil Company, Chicago, Ill., a corporation of Indiana, and one-half to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware

Original application February 11, 1937, Serial No. 125,204. Divided and this application December 20, 1938, Serial No. 246,774

9 Claims. (Cl. 196—49)



1. In the cracking of hydrocarbon oils the process that comprises subjecting crude petroleum in a primary fractionating zone to fractionation to form a residue and a lighter fraction, passing said residue to a primary viscosity-breaking zone wherein the residue is subjected to cracking temperature under conditions to effect the formation of a high yield of gas oil constituents adapted for conversion into gasoline, directing the viscosity-broken products into a separate evaporating zone wherein separation of vapors from residue takes place, passing the separated vapors into a separate fractionating zone and subjecting the vapors therein to fractionation to form a heavy reflux condensate and a lighter fraction, passing resultant heavy reflux condensate to a secondary viscosity-breaking zone wherein the heavy condensate is subjected to cracking temperature under conditions to effect the formation of a high yield of gas oil constituents adapted for conversion into gasoline, separating the latter viscosity-broken products into vapors and residue and passing the separated vapors into said separate fractionating zone, combining said lighter fractions obtained from the viscosity-broken products and from the crude petroleum fractionation and subjecting the combined fractions to cracking in a separate cracking zone under high cracking temperature and under conditions of high cracking per pass to effect conversion to gasoline of high anti-knock quality and directing the resultant products of the latter cracking into a separate fractionating zone to recover the desired gasoline product.

2,185,201

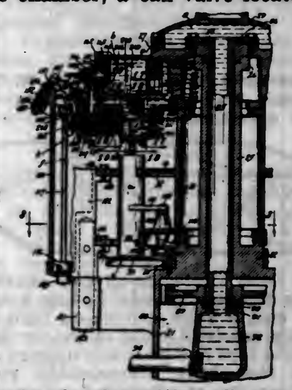
LIQUID FILLING MACHINE

Clinton Kraus, Keansburg, and Victor C. Lufft, Elizabeth, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 9, 1936, Serial No. 78,916

4 Claims. (Cl. 226—97)

1. In a machine for filling liquids into cans, the combination of a filling head having a measuring chamber and also having a discharge chamber, a reservoir for containing a filling liquid, means for supplying said reservoir with liquid, a discharge piston located in said measuring chamber, the filling liquid moving said discharge piston within said chamber to force out a measured charge of liquid into and through said discharge chamber, a head valve carried in said filling head for opening and closing communication between said reservoir and said measuring chamber and between the latter and said discharge chamber, a can valve located in said



discharge chamber for cutting off communication between the chamber and a can positioned for filling, and a valve actuating means for simultaneously moving said can and head valves to effect flow of the filling liquid, into said measuring chamber while liquid is passing from said chamber into the positioned can.

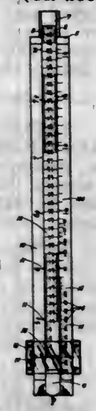
2,185,202

CALCULATING DEVICE

Leo G. Kuhlman, Covington, Ky.

Application October 11, 1937, Serial No. 168,403

1 Claim. (Cl. 235—70)



A calculator comprising a pair of relatively movable members, one of said members having spaced apart scales of unequal length, the longer of said scales being graduated according to distances raced by contestants, the graduations of that said scale being variably spaced and the spacing between any two successive graduations corresponding to the average time required by contestants to negotiate the additional distance represented between said successive graduations, the shorter scale graduated according to arbitrary rating values and being further subdivided into units each of which represents both a predetermined length and a predetermined weight, the other of said relatively movable members

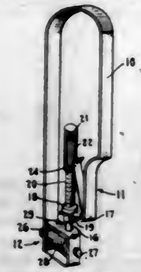
provided with a scale uniformly graduated according to time in which the distances raced are run and having subdivisions representing fractional seconds, the fractional seconds subdivisions being uniform with the subdivisions of the rating figures.

2,185,203
HEADLIGHT
Chester A. Lanoue, Albany, N. Y.
Application May 8, 1937, Serial No. 141,492
4 Claims. (Cl. 240—41.1)



1. In a light projector of the character described, an elongated casing having a window at the front end, a light source and light directing means at the rear end of the casing for directing a beam of light rays in a generally upward direction, said light rays being substantially parallel or slightly diverging, an elongated concave reflector in the upper part of the casing with its rear edge positioned to intercept the uppermost rays and extending forwardly to intercept substantially all rays of the beam, a light barrier extending upwardly from the bottom of the casing in spaced relation to said reflector, the rear edge of said reflector and the upper margin of the window opening being in a plane passing slightly above said barrier, whereby the light source and light directing means are screened from a point of observation above said plane, the curvature of said reflector being such that light rays impinging thereon nearest the source are reflected substantially horizontally through the upper marginal portion of the window and other rays impinging along the reflector toward its forward end are reflected at progressively decreasing angles through the lower part of the window.

2,185,204
GAS LIGHTER
Charles F. Larsen, Brooklyn, N. Y., assignor to George McCornick, New York, N. Y.
Application October 29, 1937, Serial No. 171,785
4 Claims. (Cl. 67—6.1)



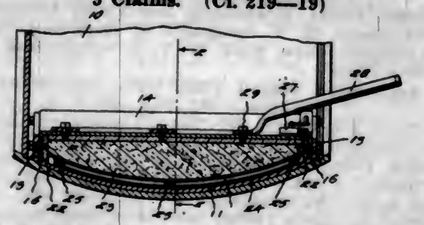
1. A gas lighter of the type described comprising a U-shaped handle member presenting two relatively movable arms, friction producing means carried on one of said arms comprising a frame structure substantially rectangular in outline formed integral with and near the end of said arm, a rotatable spindle mounted in openings in the ends of said frame, a substantially cylindrical friction element relatively fixedly mounted on said spindle and rotatable by means including knurled knobs mounted on the ends of said spindle, the axis of the spindle when so positioned being at an angle relative to the plane of the arms of said handle and relative to a plane perpendicular to the said plane and to the handle arm, means for supporting a pyrophoric element carried on the other of said arms comprising an externally threaded substantially cylindrical member having an opening at the bottom thereof adapted to hold a pyrophoric element whereby the pyrophoric element abuts against the friction producing means, adjustable means for pressing the pyrophoric element against the friction producing surface comprising a cap member having a vertically fluted outer surface mounted on the cylinder and engaging with the threaded portion thereof, a spring positioned within the cylinder and abutting the end of the pyrophoric element and the cap, whereby the pressure of the spring against the pyrophoric element can be varied by rotative movement of the cap.

2,185,205
HYDROMETER
Charles E. Linebarger, Chicago, Ill., assignor to The Chaslyn Company, Chicago, Ill., a corporation of Illinois
Application January 9, 1937, Serial No. 119,735
8 Claims. (Cl. 265—45)



1. In a hydrometer, means for indicating the density of a liquid at a given normal temperature, and means responsive to varying temperatures of the liquid for maintaining substantially constant the indications of said indicating means, said responsive means comprising a thermostatic bellows, and means operatively connecting the bellows with the indicating means.

2,185,206
APPARATUS FOR CHARRING WHISKY BARRELS AND STAVES
Edward H. Little, Ashland, Ky., assignor of one-half to W. R. Vansant, Ashland, Ky.
Application May 10, 1938, Serial No. 207,141
5 Claims. (Cl. 219—19)



1. Apparatus for charring whisky barrels com-

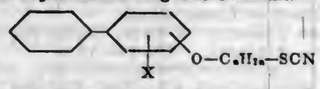
prising a casing, a bottom plate for the casing convex longitudinally and transversely to fit the contour of the inner surface of a barrel from head to head through a predetermined angular distance circumferentially of the barrel, said plate being formed of heat conducting material, electric heater elements in the casing for heating the plate to sufficient temperature to char the inner surface of the barrel, circuit wires for the elements, and a rheostat connected to the circuit wires for controlling the current supply to the heater elements.

2,185,207
THIOCYANO-ALKYL ETHERS OF THE CYCLOHEXYL PHENOLS
John E. Livak, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 27, 1938, Serial No. 237,275
7 Claims. (Cl. 260—454)

1. A thiocyano-alkyl ether of a cyclohexyl phenol.

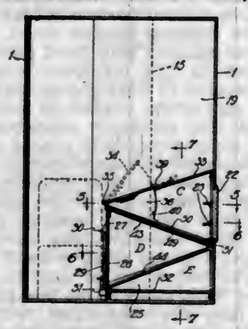
2,185,208
THIOCYANO-ALKYL ETHERS OF THE PHENYLPHENOLS
John E. Livak, Gerald H. Coleman, and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 27, 1938, Serial No. 237,276
10 Claims. (Cl. 260—454)

1. A compound having the formula



wherein n represents an integer from 2 to 5, inclusive, and X represents a member of the group consisting of chlorine, bromine, lower alkyl, and hydrogen.

2,185,209
METHOD AND APPARATUS FOR SAFE COLLECTION, DELIVERY, AND TRANSPORTATION OF VALUABLES
Leonard B. Love, New York, N. Y.
Application March 5, 1937, Serial No. 129,288
2 Claims. (Cl. 296—24)

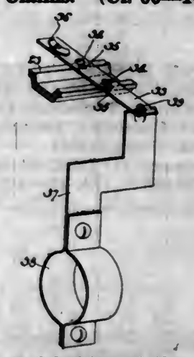


1. The method of operating a duplex safe having receiving and delivery compartments surrounded by an armor plate enclosure with an exterior collection and delivery door which comprises, depositing delivery packages from within the enclosure through one compartment of the safe and receiving collected packages through another compartment of the safe, and handling all of the packages through the single exterior safe door.

2,185,210
CHEMICAL MANUFACTURE
James Douglas MacMahon, Niagara Falls, Lorenzo D. Taylor, Lewiston, and Varton Mardiras Kalusdian, New York, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application December 18, 1937, Serial No. 180,548
5 Claims. (Cl. 8—128)

1. The method of sheening the pile of wool rugs which comprises subjecting the pile to treatment in an aqueous caustic alkali solution in which the alkali concentration is insufficient adversely to affect the pile, and thereafter subjecting the pile to treatment in an aqueous solution of calcium hypochlorite, the concentration of available chlorine in said solution being insufficient to cause a substantial loss of tensile strength of the fiber and insufficient to alter the color of the pile.

2,185,211
RECIPROCATING THREAD END HOLDER
Peter J. Mamrol, Philadelphia, Pa., assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application August 4, 1937, Serial No. 157,251
4 Claims. (Cl. 66—145)

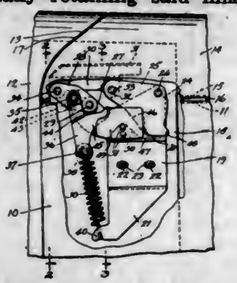


1. A thread end holder of the class described comprising a clamp, an upright projecting from said clamp, an offset projecting sidewise from said upright, a riser projecting from the offset, an arm extending from said riser, and thread anchorage means on said arm.

2,185,212
COMPENSATING HINGE STRUCTURE FOR AUTOMOBILE HOODS OR THE LIKE
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application January 17, 1938, Serial No. 185,457
4 Claims. (Cl. 16—146)

1. A hinge structure for an automobile hood or the like, comprising a supporting bracket adapted to be secured to a fixed part, a swinging bracket adapted to be secured to the hood near its rearward edge, a pair of link members longitudinally spaced with respect to the hood pivotally connected to said supporting bracket at longitudinally spaced points and pivotally con-

nected to said hood bracket at longitudinally spaced points, the rearward link member being shorter than the forward link member whereby differential swinging movement is imparted to the forward and rear ends of said swinging bracket, a detent lever pivotally connected to said rearward link member at a point spaced from its pivotal connection with said supporting bracket, spring means connected to said detent lever normally retaining said link member in



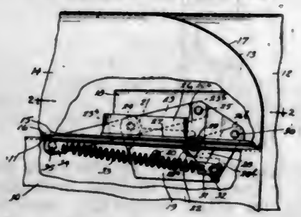
hood closing position through force exerted in a line at one side of said pivotal connection and adapted in the open position of the hood to exert a force at the other side of said pivotal connection to maintain the hood in open position, a detent catch part carried by said detent lever, and a detent catch part carried by said forward link member adapted to be engaged by said detent catch part of said detent lever in said open position under the force of said spring means.

2,185,213

COMPENSATING HINGE STRUCTURE FOR AUTOMOBILE HOODS OR THE LIKE

Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application January 17, 1938, Serial No. 185,458
2 Claims. (Cl. 16—163)



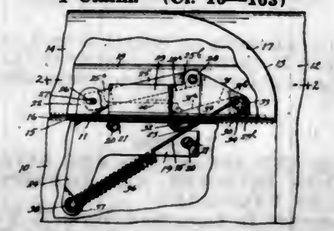
1. A hinge structure for an automobile hood or the like, comprising supporting means adapted to be secured to a fixed part, swinging means adapted to be secured to the hood, the hood adapted to seat upon said fixed part in the closed position, forward and rearward lever members longitudinally spaced with respect to the hood pivotally mounted upon said supporting means at longitudinally spaced points and pivotally connected to said swinging means at longitudinally spaced points, said rearward lever member being shorter than said forward lever member, said pivotal mountings and connections being so arranged that upon rotation of said lever members in one or the other directions differential swinging movement is imparted to the forward and rear ends of said swinging means to respectively open and close the hood, a helical spring connected at one end to said forward lever member at a point spaced from its pivotal mounting upon said supporting means and at its other end to said rearward lever member at a point spaced from its pivotal mounting upon said supporting means, said spring being expanded under tension in the normal closed position of the hood and adapted to exert pull upon said forward lever member in hood opening direction and pull upon said rearward lever member in hood closing direction, said pull upon said rearward lever member being along a line below its pivotal mounting upon said supporting means, said spring adapted in the open position of the hood to exert pull along a line above said pivotal mounting upon both said forward and rearward lever members in hood opening direction, the pivotal mountings and connections of said lever members and the connections of the spring therewith being so constructed and arranged that in the closed position of the hood the length of the torque arm of said rearward lever member is greater in proportion to the length of said rearward lever member between its pivotal mounting and the point of connection of the spring than the length of the torque arm of said forward lever member is in proportion to the length of said forward lever member between its pivotal mounting and the point of connection of the spring, whereby said spring exerts greater rotative force on said rearward lever member than on said forward lever member to retain the hood in closed position by the force of the spring alone.

2,185,214

COMPENSATING HINGE STRUCTURE FOR AUTOMOBILE HOODS OR THE LIKE

Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application January 17, 1938, Serial No. 185,459
1 Claim. (Cl. 16—163)



A hinge structure for an automobile hood or the like, comprising a supporting bracket adapted to be secured to a fixed part, a swinging bracket adapted to be secured to the hood, the hood adapted to seat against said fixed part in closed position, a pair of link members longitudinally spaced with respect to the hood pivotally mounted upon said supporting bracket at longitudinally spaced points and pivotally connected to said hood bracket at longitudinally spaced points, the rearward link member being shorter than the forward link member whereby differential swinging movement is imparted to the forward and rear ends of said swinging bracket, the pivotal mounting of said rearward link member upon said supporting bracket being a fixed mounting, and the pivotal mounting of said forward link member upon said supporting bracket being a floating pin and slot connection, whereby said hood has a limited swinging movement with respect to said floating pin and slot connection about its rearward end seated upon said fixed part as a fulcrum, spring means connected between said rearward link member at a point spaced from its pivotal mounting upon said supporting bracket and at a point on said supporting

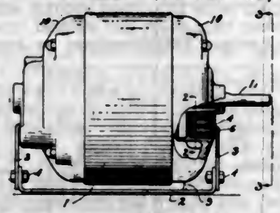
bracket forwardly and downwardly spaced from said pivotal mounting of said rearward link member normally rotating said rearward link member in hood closing direction through force exerted in a line at one side of said pivotal mounting of said rearward link member and adapted in the open position of the hood to exert a force at the other side of said pivotal mounting of said rearward link member to rotate said link member in hood opening direction, and stop means constructed and arranged to limit the open position of the hood to a point where the spring is under a predetermined hood supporting tension.

2,185,215

MOTOR MOUNTING

John J. McCabe and Paul E. Frantz, Cleveland, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application May 1, 1934, Serial No. 723,422
4 Claims. (Cl. 248—23)



1. The combination with an electric motor having a frame with a pair of aligned non-circular recesses, one in each of the ends of the motor frame and to one side of the motor axis, of soft yielding members of complementary outline received in said recesses, and a motor supporting structure including non-circular parts received in said yielding members whereby the motor is free to oscillate a limited amount about the axis of said members.

2,185,216

METAL CONTAINER

Charles E. McManus, Spring Lake, N. J., and Robert J. Stewart and George Goebel, Baltimore, Md., assignors, by mesne assignments, to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 14, 1935, Serial No. 40,630
4 Claims. (Cl. 220—24)



1. A metal container for sealing high pressure beverages, such as beer, comprising a substantially tubular sheet metal body having directly connected thereto, the outer margin of a substantially frusto-conical upstanding sheet metal end member extending inwardly and upwardly at a slant from the body a substantial distance and merging into an upstanding neck of a diameter adapted to receive a standard crown cap and forming a continuation of said frusto-conical slanted member, said neck at its upper end being provided with an inwardly projecting terminal flange defining the margins of the pouring and filling opening and disposed on a substantially horizontal plane entirely around said opening and extending a substantial distance radially outwardly from the opening to provide a substantially plane annular sealing surface of substantial width around said opening, the material of the flange being turned back upon itself along and entirely around the margin of the opening to provide a turned edge for the opening and a reinforcement for the inner edge of the flange to constitute said inner edge a substantially rigid abutment, to resist the sealing pressure of a standard crown cap, the material of said neck immediately below said flange being curved outwardly and downwardly convexly to a circumferential line on said neck, said material being curved downwardly and inwardly concavely from said line to provide a locking shoulder and a groove therebelow for the crimped skirt of a standard crown closure, said neck terminating at its lower end in a portion merging with said frusto-conical portion and defining the lower end of said groove.

2,185,217

COATING AND A METHOD OF APPLYING THE SAME TO FIBROUS SURFACES

David Pelton Moore, Avon Park, Fla.

No Drawing. Application December 18, 1935, Serial No. 55,007. Renewed March 21, 1939
8 Claims. (Cl. 91—68)

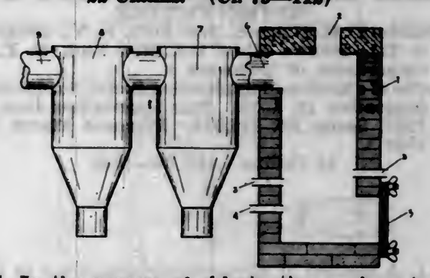
1. A process for coating flexible porous sheets, which consists in feeding the sheet from a roll in stretched condition, distributing simultaneously and from two different sources a finely divided dehydrating and setting calcium compound and an aqueous dispersion of rubber, thereby producing a uniform adhering waterproof coating which will congeal into a non-tacky condition before the sheet is wound on a take up roll, and winding the coated sheet on the take up roll.

2,185,218

TREATMENT OF CHROMIUM ORES

Irving E. Muskat, Akron, and Norman Howard, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application December 20, 1938, Serial No. 246,838
22 Claims. (Cl. 75—112)



1. In the process of chlorinating a chromium ore at a temperature sufficient to volatilize iron chloride, the step which comprises conducting the chlorination of the ore in the presence of sufficient gaseous oxygen to substantially minimize the tendency of the ore toward sintering within the furnace.

2,185,219

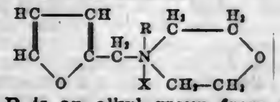
FURFURYL N-MORPHOLINE ALKYL HALIDE MEDICINAL PREPARATION

Fred P. Nabenhauer, Somerton, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application April 13, 1937, Serial No. 136,527
3 Claims. (Cl. 167—65)

1. A medicinal preparation for effecting stimu-

lation of the para-sympathetic nervous system comprising a furfuryl N-morpholine alkyl-halide having the following formula:



in which R is an alkyl group from the group consisting of methyl, ethyl, propyl, isopropyl, butyl and amyl groups and X is a halide.

2,185,220

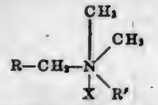
MEDICINAL AGENT

Fred P. Nabenhauer, Somerton, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application August 17, 1938, Serial No. 225,453

7 Claims. (Cl. 167—65)

1. A medicinal agent capable of producing effects simulating those of stimulation of neuromuscular mechanisms under control of the parasympathetic nervous system, and producing physiological effects qualitatively cholinergic or muscarinic in character and physiological effects resulting therefrom, said agent comprising as the essential and therapeutically active ingredient thereof a compound from the group consisting of alkyl dimethylammonium salts having the following formula:



in which R is a group from the groups consisting of furfuryl or tetrahydrofurfuryl groups, R' is an alkyl group having 1–5 carbon atoms, and X is a radical of an acid producing non-toxic ions.

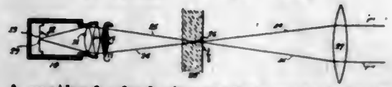
2,185,221

THREE DIMENSIONAL PHOTOGRAPH AND MOTION PICTURE

Theodorus H. Nakken, New York, N. Y., assignor to Tri-Mension Films, Inc., New York, N. Y., a corporation of Delaware

Refile of abandoned application Serial No. 689,063, September 12, 1933. This application June 2, 1937, Serial No. 146,074. Renewed March 30, 1939

18 Claims. (Cl. 88—16.6)



1. A method of photography, consisting in the optical condensation of a scene into a single image thereof having a depth which is small with respect to the true depth of the scene, photographing said image through a plurality of spaced view-points with merger of the several images cast therethrough into a single real image.

2,185,222

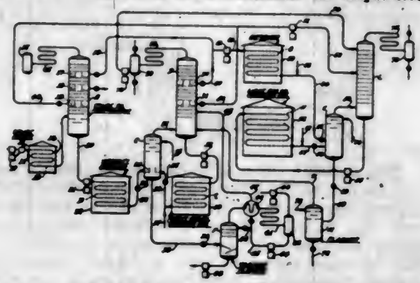
CRACKING HYDROCARBON OILS

Charles W. Nofsinger, Summit, N. J., and David T. Shaw, Swarthmore, Pa., assignors to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware

Application March 26, 1938, Serial No. 198,216

11 Claims. (Cl. 196—49)

1. In the cracking of hydrocarbon oils, the process which comprises subjecting crude petroleum to vaporization in a primary separating zone to form vapors and residue, subjecting the separated vapors in a first fractionating zone to fractionation to separate a fraction comprising gasoline constituents from higher boiling constituents, passing said residue to a primary cracking zone wherein the residue is subjected to cracking temperature under viscosity-breaking conditions to effect the formation of a high yield of intermediate constituents adapted for conversion into gasoline, directing the viscosity-broken products into a second separating zone wherein separation of vapors from residue takes place, passing the separated vapors into a second fractionating zone and subjecting vapors therein to fractionation to form a heavy reflux condensate, passing said heavy reflux condensate to a second cracking zone wherein the heavy condensate is subjected to cracking temperature under conditions to effect the formation of a further yield of intermediate constituents adapted for conversion into gasoline, directing resultant cracked products from the second cracking zone into said second separating zone, subjecting vapors in the second fractionating zone to further fractionation to separate a



fraction comprising gasoline constituents from intermediate constituents, combining said fractions containing gasoline constituents obtained from the first and second fractionating zones and directing the mixed fractions to a reforming zone wherein the mixture is subjected to cracking temperature adequate to effect reforming of the gasoline constituents into constituents of increased anti-knock value, separating resultant reformed products, separately from the previously mentioned separating and fractionating zones, to form residue and evolved vapors, fractionating said evolved vapors in a third fractionating zone to separate a light distillate from higher boiling condensate, combining higher boiling constituents thus obtained with higher boiling constituents obtained from the first fractionating zone and with intermediate constituents obtained from the second fractionating zone and directing the mixture to a recycling cracking zone wherein the mixture is subjected to high cracking temperature under conditions to effect conversion into gasoline constituents of high anti-knock quality, separating the resultant cracked products to form residue and evolved vapors and fractionating the evolved vapors in said third fractionating zone.

2,185,223

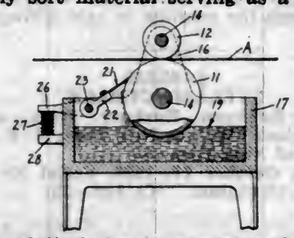
COATING MACHINE

Horace J. Paynter, Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application November 23, 1938, Serial No. 242,068

5 Claims. (Cl. 91—51)

1. In a machine for applying a coating substance to sheet material, the combination of a rotating coating roller, means for applying a coating substance to said coating roller, and a doctor engaging said roller for scraping off excess coating substance therefrom, said doctor including a relatively soft material serving as a base for a



layer of relatively hard material so that wearing of the roller engaging edge of said doctor will be more rapid along the relatively softer material thereby leaving said relatively hard material as a keen edge for scraping.

2,185,224

PURIFICATION OF ROCK MINERALS

Oliver C. Ralston, Hyattsville, Md., assignor to Government of the United States, as represented by the Secretary of the Interior

No Drawing. Application April 9, 1938, Serial No. 201,203

6 Claims. (Cl. 209—166)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of concentrating phosphate bearing minerals which consists in agitating a pulp of the ore containing the phosphate bearing mineral with two to five pounds per ton of a cationic compound of short chain amino type with substituents containing from two to five carbon atoms whereby the clay is made water repellent, treating the pulp with an aqueous separation process to remove the filmed clay, agitating the resulting tailing with a mineral oil and a cationic substituted ammonium compound with 1 to 4 substituents carrying over 12 carbon atoms in the presence of a metal salt of the iron and aluminum whereby the quartz particles are made water repellent, and separating from the pulp a material relatively rich in silicious gangue and relatively poor in phosphate values as a concentrate and collecting the tailing as a relatively rich phosphate.

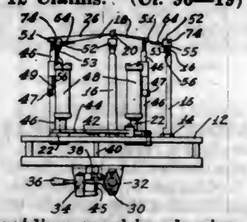
2,185,225

BRAIDING MACHINE STOP MOTION

Walter Ramsden, Pawtucket, R. I., assignor of one-third to James Ramsden, Pawtucket, R. I., and one-third to Max C. Miller, Cumberland, R. I.

Application May 28, 1938, Serial No. 210,557

12 Claims. (Cl. 96—19)



1. In a braiding machine having devices for feeding two sets of yarns, namely, a stationary set and a traveling set, a stop motion having devices directly controlled by yarns of one set only to actuate the stop motion, and means controlled by failure of a yarn of the other set to initiate operation of the stop motion.

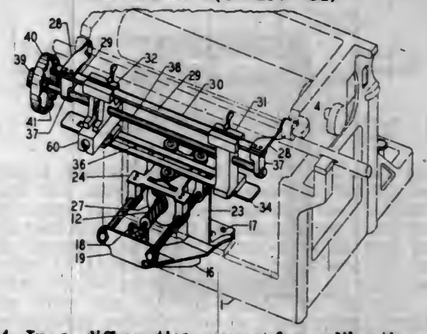
2,185,226

CONTROLLED DIFFERENTIAL MECHANISM FOR TYPEWRITERS AND OTHER MACHINES

Harwood Kenneth Rider, Ann Arbor, Mich.

Application May 7, 1936, Serial No. 78,520

31 Claims. (Cl. 197—84)



4. In a differential means for calibrating or dividing a given space into a predetermined number of controlled size smaller spaces, the combination which includes a supporting means, two supports separately mounted thereon and separately movable lengthwise thereof, an angle bar, a fixed pivot on one of said supports for joining said angle bar thereto, and a movable pivot on said second support for joining the angle bar thereto.

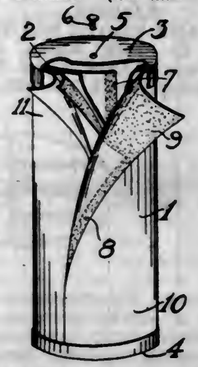
2,185,227

CONTAINER FOR PULVERULENT MATERIALS

William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated

Application November 3, 1938, Serial No. 238,533

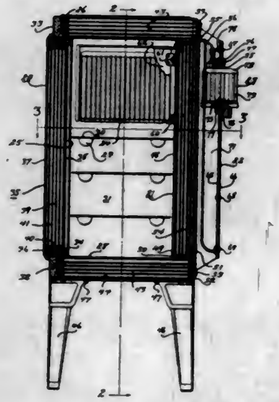
9 Claims. (Cl. 221—61)



1. A laminate dispensing container, having a flexible, substantially resilient side wall portion, comprising a tube of flexible sheet material laminae, in which tube a preponderance of said laminae are disposed for relatively free frictional movement for a portion intermediate the tube ends, means for stiffening said tube adjacent the ends, and for restricting relative movement of said laminae adjacent thereto, a substantially rigid closure for one end of the tube, and a sub-

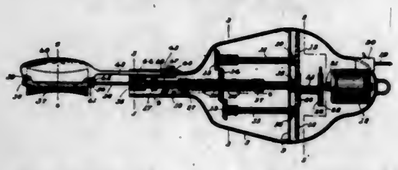
stantially rigid closure for the other end of the tube, provided for the discharge of the container contents therethrough.

2,185,228
REFRIGERATING APPARATUS
Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 1, 1933, Serial No. 700,515
15 Claims. (Cl. 62—116)



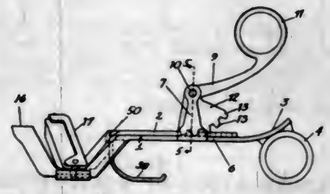
15. Refrigerating apparatus including a box-shaped insulated cabinet containing a compartment to be cooled, said cabinet including a removable vertical wall portion, an evaporating means located within said compartment and supported by said removable wall portion, a condensing means including means forming a vertical flue supported by said removable wall portion, a compressor supported by said flue forming means, and means for operatively connecting said compressor, condensing means, and evaporating means.

2,185,229
ROTARY TOOTH BRUSH
Wade E. Scott, Millen, Ga.
Application June 7, 1938, Serial No. 212,344
2 Claims. (Cl. 74—202)



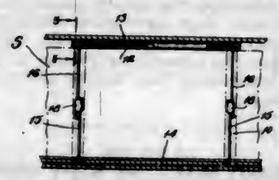
1. In a device of the character described, a housing, a pair of parallel drive shafts mounted within said housing and equipped with drive disks, a driven shaft rotatably mounted in said housing between said drive shafts and in parallelism therewith, a drive disk slidably keyed to said driven shaft and operable for selective engagement with said drive disks, a gear fixed on each of said drive shafts and meshing with each other for rotating said drive shafts in opposite directions, sleeves fixed on said driven shaft and on each side of said driven disk, springs sleeved on said driven shaft between said sleeves and said driven disk and normally maintaining said driven disk spaced from said drive disks, and a yoke pivoted to said housing and having arms embracing said driven disk and engaging said springs, said yoke operable for effecting selective engagement of said driven disk with said drive disks through the medium of said springs.

2,185,230
EYELASH CURLER
Samuel L. Sneirson, Roxbury, Mass., assignor to Marvelash Co. Inc., New York, N. Y., a corporation of New York
Application October 21, 1935, Serial No. 45,912
16 Claims. (Cl. 132—32)



1. An eyelash curler comprising substantially aligned elements having cooperating relatively movable upper and lower jaw members at one end and means for bringing said jaw elements into or out of engagement with each other, said means including a toothed rack movable with lower jaw and a toothed segment pivotally mounted below said jaws and arranged to engage the toothed rack to effect relative movement of the two jaws.

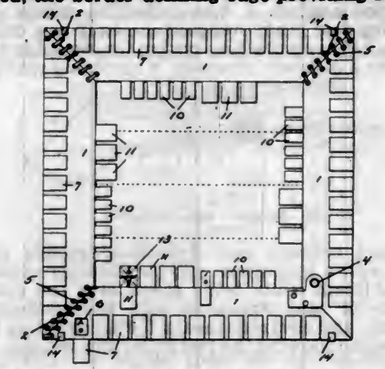
2,185,231
PRONG EXTENDER FOR A PAPER FASTENER
Harry D. Snyder, New York, N. Y., assignor to Parrot Speed Fastener Corporation, Long Island City, N. Y., a corporation of New York
Application November 3, 1936, Serial No. 108,931
2 Claims. (Cl. 24—153)



2. A prong extender comprising an elongated flexible and foldable body, a loop slidably and loosely guided by said body at the lower end thereof, spaced upper and lower projecting means integral with said end and extending laterally of said body and cooperating with spaced upper and lower edges of said loop to limit displacement of the latter lengthwise of said end.

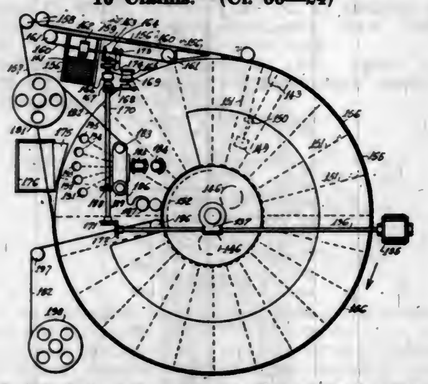
2,185,232
EDUCATIONAL GAME APPARATUS
Walter Spiro, White Plains, N. Y.
Application September 16, 1938, Serial No. 230,332
7 Claims. (Cl. 35—8)

1. An educational game apparatus including a game board made up of hingedly connected elongated relatively narrow sections movable into operative rectangular outline relation to define a border for an interior unobstructed space or into inoperative relation with the sections superimposed, the border defining edge providing for the



reception of game indicia concealing or exposing elements.

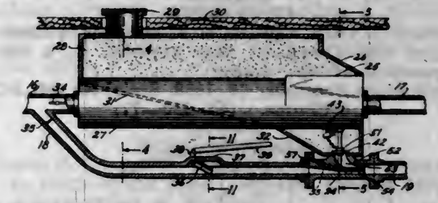
2,185,233
SELECTIVE INDEXING SYSTEMS
Robert Stuart, Forest Hills, Long Island, N. Y.
Application July 24, 1936, Serial No. 92,271
16 Claims. (Cl. 88—24)



3. An indexing system and means for transferring the subject of the index comprising a motion picture film having the index subjects on the frames of the film and having distinctive marks on each frame, a wheel for projecting the subject of each frame, a conveyor for conveying stock in separate sheets to which the index is to be transferred to receive the projected subject, a drive mechanism for feeding the film and moving the conveyor, means for feeding the sheets to the conveyor, a plurality of photo-electric cells selectively influenced by the distinctive marks on said frames, a magnet having an operating circuit controlling said sheet feeding mechanism, said circuit being controlled by said cells.

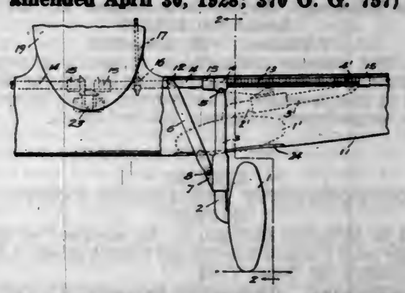
2,185,234
SANDER MECHANISM
Alvin W. Sudbary, East Cleveland, Ohio
Application April 17, 1937, Serial No. 137,535
9 Claims. (Cl. 291—3)

1. The combination of a sander mechanism and a muffler for a motor vehicle comprising, in combination, a muffler connected in communication with the exhaust manifold of the motor of the vehicle, a sander mechanism having a sand compartment mounted adjacent the muffler, so that the heat liberated from the muffler may warm the sand to keep it dry and to prevent it from freezing, a distributing conduit having a port in communication with said sand compartment for delivering sand in advance of a wheel of the motor vehicle, means for connecting the distributing conduit in communication with the exhaust manifold of the motor of the vehicle, feed means for controlling the flow of the sand from said sand compartment to the distributing conduit,



control means for diverting the exhaust gases from the muffler through the distributing conduit, and vane means positioned in advance of said port and actuated by the exhaust gases flowing through the distributing conduit and connected to said feed means to control the feed means so that said feed means is in an open position when the exhaust gases flow through the distributing conduit and is in a closed position when the gases do not flow through the distributing conduit.

2,185,235
RETRACTABLE LANDING GEAR
Oscar A. Swanson, Pacific Palisades, Calif.
Application January 15, 1937, Serial No. 120,787
Renewed February 23, 1939
9 Claims. (Cl. 244—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a low wing monoplane provided with retractable landing gear and wheels, a wing panel having a pair of substantially circular cavities formed in the under surface thereof, the plan of said wing cavities slightly exceeding landing wheel diameter and being adjacently symmetrically disposed to either side of the longitudinal axis of said monoplane, a fluid pressure motor with oppositely disposed piston rods laterally projectable over the tops of said wing cavities, the outer end of each piston rod including a mounting base inwardly positioned within plan cavity profile upon full gear extension, a landing gear wheel shock absorbing structure with upper end pivotally connected to said mounting base and lower exposed portion depending from each of said wing cavities, within the plan profiles thereof, a side brace structure with lower end pivotally connected to each of said shock absorbing structures between the ends thereof, such that all exposed portions of the

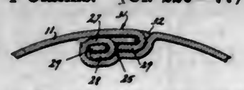
aforesaid structures lie entirely within wing cavity plan confine, the upper unexposed portions of the combined side brace structures inwardly converging to pivotal top connection with the internal wing structure, a source of fluid pressure supply, and means for controlling fluid ingress and egress with reference to said fluid pressure motor.

2,185,236

CONTAINER

Edward O. Then, Newark, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 29, 1938, Serial No. 248,342
4 Claims. (Cl. 220—77)



1. A can body having a reenforced side seam capable of resisting high internal and external pressures, which comprises a pair of oppositely directed hook sections, one of said hook sections having a slot formed therein, and a tongue in the other of said hook sections, said tongue being engaged in said slot and bent back on itself against the adjacent hook section, when said hook sections are interengaged and interfolded in a seam, said engaged tongue and slot connection providing for additional locking of said seam.

2,185,237

PROCESS OF PREPARING THE NITRILES OF ALPHA-NAPHTHYL SUBSTITUTED LOWER FATTY ACIDS

John Weijlard and William H. Engels, Rahway, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application August 11, 1937, Serial No. 158,539
7 Claims. (Cl. 260—465)

1. The process comprising condensing naphthalene and a halogenated nitrile of a lower fatty acid in the presence of anhydrous ferric chloride at a temperature of about 165 to 185° C.

2,185,238

NONCORROSIVE ANTIFREEZE COMPOSITION

Fred R. Whaley, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 23, 1937, Serial No. 181,293
10 Claims. (Cl. 252—5)

5. A non-corrosive anti-freeze liquid comprising an alcohol and an inhibitor containing as the essential corrosion preventive about 0.05% to 1.0% of a member of the group consisting of ethyl nitrate, isoamyl nitrate, nitro-methane and nitroethane.

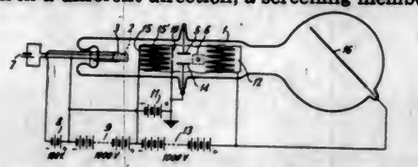
2,185,239

CATHODE RAY TUBE

Manfred von Ardenne, Berlin, Germany, assignor to Radio Corporation of America, a corporation of Delaware

Original application May 24, 1934, Serial No. 727,206. Divided and this application April 16, 1937, Serial No. 137,159. In Germany June 12, 1933
6 Claims. (Cl. 250—158)

1. In combination with a cathode ray tube comprising a means for producing a concentrated electron beam, a luminescent screen for said beam to strike against, a first deflecting system for sweeping said beam over said screen in one direction, a further deflecting system for sweeping said beam in a different direction, a screening member



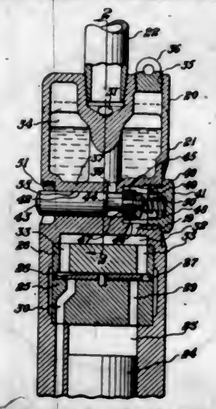
arranged between said deflecting systems provided with a lengthwise slit for allowing passage of said beam while being swept over the entire surface of said screen by said first deflecting member, and electrode means for accelerating the said beam following the two deflecting systems.

2,185,240

OILING DEVICE

Roy O. Allen, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application January 31, 1939, Serial No. 253,801
1 Claim. (Cl. 184—55)



In an oiling device for fluid actuated tools, the combination of a casing and fluid actuated means in the casing, a channel in the casing for conveying pressure fluid to the fluid actuated means, a reservoir in the casing for oil and having a port, a chamber in the casing between the channel and the reservoir having an enlarged portion and a reduced portion, the reduced portion communicating with the port, a port to afford communication between the enlarged portion and the channel, a spring-opposed manually operable plunger in the chamber for periodically supplying oil from the reduced portion to the enlarged portion, and a valve on the plunger to control communication between the said portions of the chamber.

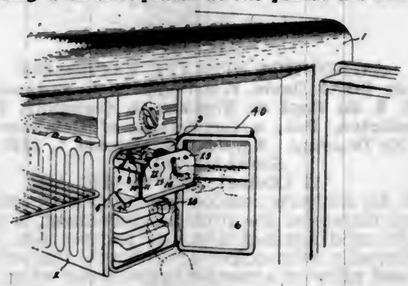
2,185,241

ICE BLOCK FORMING AND DISPENSING DEVICE

Richard A. Bayne, Detroit, Mich.

Application January 17, 1938, Serial No. 185,271
13 Claims. (Cl. 62—108.5)

1. A device for forming and dispensing ice blocks comprising a container adapted to receive a liquid to be frozen having an outlet, a plurality of dividing plates for dividing the container into a plurality of spaces to form individual ice blocks, said dividing plates being shiftable within the said container toward said outlet, means cooperating with said plates as the plates are shifted



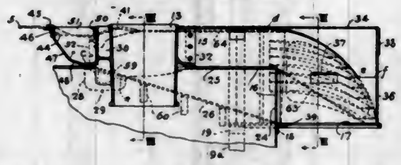
to loosen the plates from the ice blocks, and ejecting means for loosening the ice blocks from the said container and ejecting the ice blocks and dividing plates through the said outlet to dispense the said ice blocks one by one.

2,185,242

SMOKE LIFTER FOR LOCOMOTIVES

James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Original application April 1, 1936, Serial No. 72,042. Divided and this application April 7, 1938, Serial No. 200,622
5 Claims. (Cl. 105—2)



1. In a locomotive, the combination of a smokebox; a smokestack projecting upwardly from the top of said smokebox and spaced rearwardly from the front thereof; a streamline covering surrounding the top, sides and front of a forward upper portion of said smokebox and separated therefrom to provide an intervening space, said smokestack opening through the top of said covering; means closing said space to provide a passageway disposed centrally of said portion and extending in a direction longitudinally of said locomotive from the front of said covering to a point spaced rearwardly from the rear of said smokestack for the passage of air through said closed space; and a partition extending longitudinally of said passageway and disposed centrally relative thereto and being adjacent to and extending from the front of said smokestack forwardly to the front of said covering and downwardly between said front of said covering and said front of said smokebox to the bottom of said front of said smokebox portion, dividing said passageway adjacent thereto into two substantially equal sections, each being disposed at least in part opposite the portion of said front of said smokebox portion at the corresponding side of said locomotive and being open through said front of said covering providing an opening for the admission of air, and said sections being open through said covering at the rear of said smokestack for the emission of said air, each of said sections being in part adjacent a side of said smokestack.

2,185,243

PREPARATION OF N-SUBSTITUTED LUTIDONES

Albert B. Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application August 13, 1936, Serial No. 95,852
6 Claims. (Cl. 260—295)

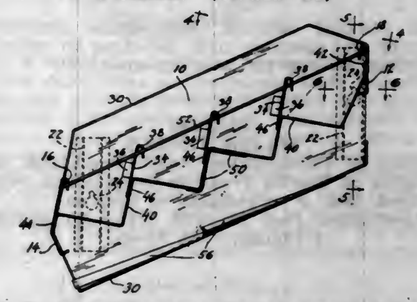
1. Process for preparing an N-substituted lutidone, which comprises reacting a primary aromatic amine with diacetyl acetone in the presence of a volatile water-insoluble organic solvent which is inert to the reactants.

2,185,244

DISPLAY STAND

James R. Carpenter, Battle Creek, Mich., assignor to Ferry-Morse Seed Company, Detroit, Mich., a corporation of Michigan

Application November 18, 1937, Serial No. 175,324
4 Claims. (Cl. 211—55)



1. In a seed package display stand, a frame having end walls, a front wall and a rear wall, a plurality of strips extending between and secured at opposite ends to opposite end walls of the frame, said strips arranged in substantially parallel spaced apart relationship spaced between the front and rear walls of the frame and sloping rearwardly from bottom to top, a sheet of expanded metal bent to form a stepped succession of shelves, said stepped sheet of expanded metal disposed within the frame and secured to the front and rear walls thereof and secured to the lowermost margin of each of said plurality of strips, said strips constituting continuations upwardly of the riser portions of said shelves and said sheet of expanded metal so arranged within the frame that the bottom wall of each shelf is formed thereby and slopes downwardly from front to rear and the lower half of the rear wall of each shelf is formed thereby and slopes rearwardly from the bottom to top.

2,185,245

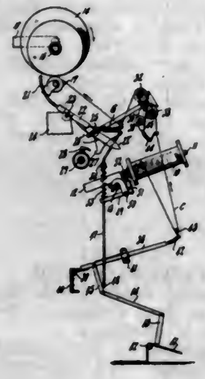
CORD STRETCHING AND WINDING MACHINE

Louis M. Cotchett, Hingham, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application April 14, 1938, Serial No. 201,903
15 Claims. (Cl. 28—57)

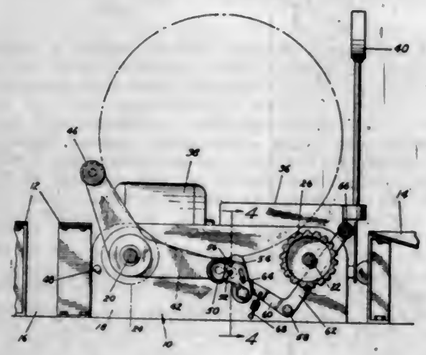
1. In a cord winding machine in combination, a cord take-up package, driving means for winding the cord thereupon, a cord let-off package, a cord stretcher, including free running rolls about which the cord passes, said rolls being interposed between the let-off and take-up packages and adapted to be operated to stretch the cord solely

by the advancing pull exerted upon the cord as it passes from the let-off to the take-up package, a



cord exhaust detector, and means controlled thereby and operable upon detecting an exhaust condition to stop the winding operation.

2,185,246
BRAKE TESTER
Marion M. Cunningham, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 12, 1936, Serial No. 84,933
8 Claims. (Cl. 73—51)



1. In an apparatus of the class described, a brake testing unit including rollers for supporting and rotating a wheel against the resistance of its associated brake, a roller arranged to be swung into the path of the wheel for retaining the wheel on the rollers during rotation thereof, and means operated by the entry of a wheel upon said supporting rollers for swinging the retaining roller into operative position.

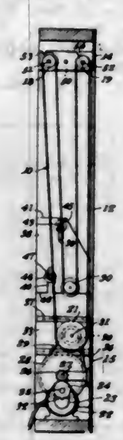
2,185,247
STABILIZED ALKALI METAL ALCOHOLATES
George Lewis Cunningham and Richard Sewall Robinson, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application March 26, 1938, Serial No. 198,274
8 Claims. (Cl. 23—250)

1. A stabilized alkali metal alcoholate comprising the alcoholate and a minor proportion of a catalytic antioxidant selected from the class consisting of amines, amine hydrochlorides and amides, each of which is free of substituent groups which exert a pro-oxidant effect.

2,185,248
AMMONIUM NITRATE EXPLOSIVE
Clyde Oliver Davis, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1937, Serial No. 167,698
11 Claims. (Cl. 52—11)

8. An explosive composition comprising ammonium nitrate as the principal ingredient, a normally solid nitrated aromatic hydrocarbon, and a normally solid oxygen-free organic fuel soluble in said nitrated aromatic hydrocarbon when the latter is in the molten state, said fuel being present in no greater amount than that of said nitrated aromatic hydrocarbon.

2,185,249
CHANGEABLE SIGN
Cataldo P. Ferrigno, Brooklyn, N. Y.
Application March 18, 1939, Serial No. 262,588
9 Claims. (Cl. 40—32)

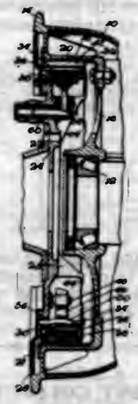


1. In a changeable sign, a sign-carrying band, rollers for the band, one of said rollers engaging one face of the band, others of said rollers engaging the other face of the band, means for adjustably supporting said one of the rollers, means for removably supporting said others of said rollers, and means for rotating the rollers.

2,185,250
BRAKE
Frederick C. Frank, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 23, 1937, Serial No. 127,233
9 Claims. (Cl. 188—152)

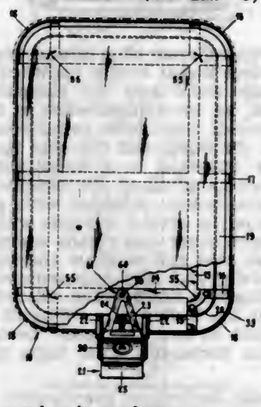
1. A brake shoe comprising an arcuate supporting member, channeled in cross-section, the channel flanges extending substantially the length of the member and towards the center of curvature of the shoe, and having in its arcuate

portion one or more perforations, and friction lining molded on the outer and inner surface of



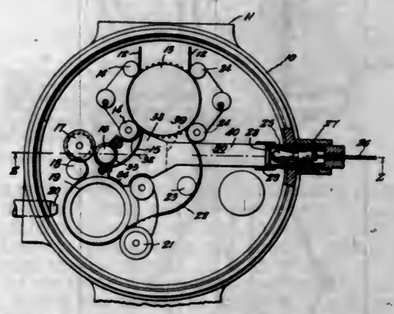
said arcuate portion and through said perforations.

2,185,251
APPARATUS FOR SEWING MATTRESSES
Max Goldberg, New York, N. Y.
Application November 17, 1937, Serial No. 174,941
7 Claims. (Cl. 112—3)



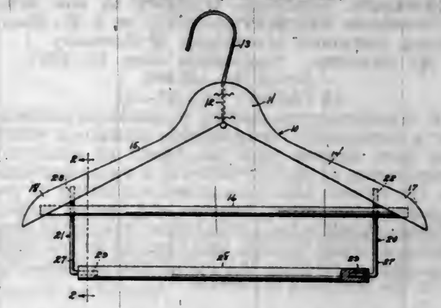
1. In a mechanism of the class described, the combination with a supporting table for a mattress, a frame for said table having a substantially rectangular endless upright track at its upper elevation, an endless sprocket chain secured in circumscribing relation to said track, said track having arcuate corners, fixed pivotal members mounted respectively at the centers of said arcs, said pivotal members being of arcuate form defined by a quadrant of a circle, a carriage comprising two elongated rollers having horizontal axes and being positioned in spaced relation and resting on said upper track, said carriage being supported by said rollers and being thereby freely movably mounted to travel around said track, a sewing machine secured to said carriage, sprocket means mounted on said housing and being in intermeshing engagement with said sprocket chain, means for actuating said sprocket means and propelling said sewing machine around said table for effecting stitching of a mattress on said table, and means on said carriage for successively engaging said pivotal members to cause said sewing machine to be automatically moved in concentric relation with said corners.

2,185,252
DEVICE FOR VIEWING PHOTOGRAPHIC FILM
Edward W. Kellogg, Moorestown, N. J., and Daniel O. Landis, Upper Darby, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application March 18, 1937, Serial No. 131,548
8 Claims. (Cl. 88—1)



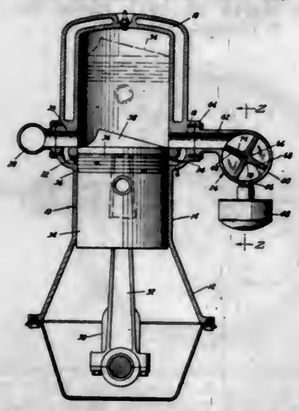
2. A device for making a photosensitive object visible, comprising a transparent body including a portion which is positioned behind said photosensitive object and provided with diffusely reflecting surfaces and another portion which is substantially straight and is provided with specularly reflecting surfaces, means for projecting non-actinic light into the end of said straight portion, and means comprising a window fitted with light filter transparent to light of the same color as is introduced into said transparent member.

2,185,253
GARMENT HANGER
Irving Klein, New York, N. Y., assignor, by mesne assignments, to Patent Novelties Inc., New York, N. Y.
Application August 1, 1938, Serial No. 222,558
1 Claim. (Cl. 223—88)



A garment hanger comprising a vertically positionable hook-like supporting member; downwardly dependent, anticlinal garment-receiving arms, extending in a common plane, carried on parts of said hook; a horizontal spreader and brace element substantially fixedly secured in openings formed in free ends of said arms; downwardly projecting mounting members, looped around portions of said horizontal element and received in openings in said arms, the free ends of said mounting members being disposed in coaxially aligned opposed relationship; and an essentially cylindrical garment carrier engaging with and mounted on said free ends of said members.

2,185,254
INTERNAL COMBUSTION ENGINE
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 28, 1937, Serial No. 150,722
2 Claims. (Cl. 123—65)



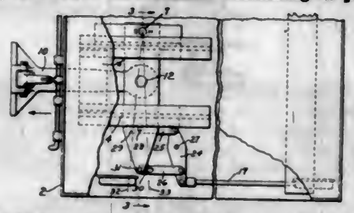
2. In combination with an internal combustion engine having intake and discharge ports and a controlled passage connecting the ports for directing burnt gas into the intake port, a charge-forming device comprising a casing having an intake port and a horizontal discharge port directly communicating with the intake of the engine, a rotor in the casing having a passage extending therethrough arranged to intermittently communicate with the discharge port of the casing, means for metering liquid through the passage, and means for driving the rotor from the engine.

2,185,255
SAPONACEOUS SHAVING COMPOSITION
Hugo Kröper, Hamburg, and Erich Thomae, Stuttgart, Germany, assignors to the firm: Chemische Fabrik Promonta G. m. b. H., Hamburg, Germany, a company of Germany
No Drawing. Application June 19, 1937, Serial No. 149,096
13 Claims. (Cl. 87—5)

1. A saponaceous shaving preparation containing a hemostatic lipoid-soluble substance which has been derived from soy-beans by dissolving constituents of the soy-beans in a water-immiscible fat solvent from the group consisting of petroleum ether, ether, benzine and benzol, adding a water-miscible fat solvent from the group consisting of ethyl alcohol and acetone to the solution, and recovering the lipoid-soluble substance from the resulting materials.

2,185,256
COUPLING MECHANISM
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 16, 1938, Serial No. 246,149
8 Claims. (Cl. 188—168)

1. A vehicle comprising a car body mounted on wheels, means cooperating with the wheels for braking the car, means to apply the brakes while the car is uncoupled, a car coupler to connect the car to another coupler whereby the car may be moved in either direction, anchor means movable relative to the car and to which the coupler is secured, the said means being moved when the car is being moved by the coupler, mechanism connecting the movable means with the braking means, the said mechanism including a pair of



links each link having a slotted connection at one end with other parts of the mechanism whereby the braking means is released when the car is being moved by its coupler.

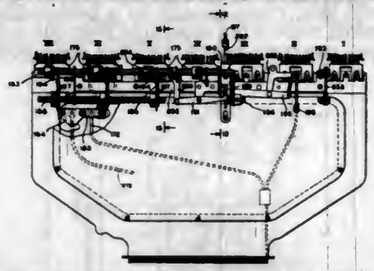
2,185,257
CURRENT COLLECTOR
Ernst A, Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application January 25, 1939, Serial No. 252,800
12 Claims. (Cl. 191—59.1)



1. A current collector shoe comprising an elongated one-piece metal holder provided with upstanding side walls and an elongated recess therebetween, an insert positioned in the recess, the side faces of the recess being concave in a longitudinal direction and the side faces of the insert being convexed in a longitudinal direction and corresponding to the concave faces of the recess, the holder provided with a diagonal slot at one end to permit the side walls to yield relative to each other and means associated with the holder at said end to draw the sides of the holder inwardly and into engagement with the insert, the diagonal slot being so related to holder as to prevent the trolley wire riding in the opening of the slot in case the insert becomes worn through, thus decreasing wear upon the holder.

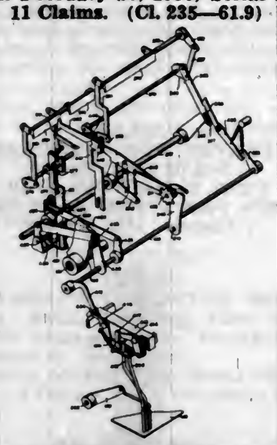
2,185,258
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 9, 1933, Serial No. 684,438
8 Claims. (Cl. 235—61.9)

1. In a record card controlled tabulating machine, the combination of an accumulator having a plurality of accumulator wheels, a type carrying actuator for actuating each accumulator wheel in accordance with the extent of its movement, a record-controlled zero stop element and a plurality of record-controlled digit stop elements adapted to govern the extent of movement of each actuator, total taking mechanism under record control for causing the accumulator to yield its total, a naught block arranged to coact with the zero stop elements and having an effective and an ineffective position, said naught block being adapted when effective to actuate the zero stop elements associated with all the actuators to prevent the operation of the accumulator and adapted when ineffective to permit independent and individual actuation of each zero stop element, means to render the naught block effective under the control of the total taking mechanism, and record-controlled means to render the naught



block ineffective when said total taking mechanism operates, said last mentioned means comprising means for disengaging the naught block from the control of the total taking mechanism.

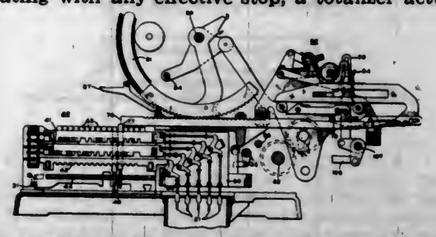
2,185,259
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application February 20, 1936, Serial No. 64,969
11 Claims. (Cl. 235—61.9)



1. In a record card controlled tabulating machine, the combination of a printing mechanism, a non-print bail for said printing mechanism, resilient means to render said non-print bail ineffective, positive means to render said bail effective against the tension of said resilient means, said positive means comprising a slide, adapted to be actuated by a moving part of said machine, for operating said bail, record controlled means to place said slide under the control of said moving part, means to retain said slide and said moving part in operative relationship during a plurality of cycles of machine operation and additional record controlled means to remove said slide from the control of said moving part.

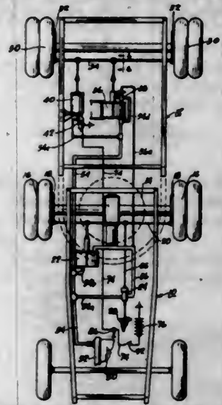
2,185,260
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 5, 1936, Serial No. 67,215
4 Claims. (Cl. 235—61.9)

1. In a record controlled tabulating machine, in combination, a stop basket, said stop basket having a plurality of stops arranged in two groups, means to render effective any one of said stops during each tabulating cycle of said machine, a type carrier positioning element arranged to traverse said groups of stops and capable of cooperating with any effective stop, a totalizer actu-



ating rack operable with said positioning element, and means to cause said actuating rack to operate with said positioning element when said positioning element passes from the first of said groups of stops to the second of said groups of stops and to continue the operation of said actuating rack during the period in which said positioning element is traversing the second group of stops.

2,185,261
BRAKE
Mathias Leupold, Jamaica, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 18, 1938, Serial No. 196,590
17 Claims. (Cl. 188—3)



1. In combination, a tractor having a motor and brakes, a trailer having brakes, an accelerator control for the tractor motor, and means operable to apply the trailer brakes when the accelerator control is released.

2,185,262
COMPOUND FOR AND PROCESS OF SURFACE FINISHING METALLIC ARTICLES
Joseph Lupo, Jr., Bronx, N. Y.
No Drawing. Application April 9, 1938, Serial No. 201,107
9 Claims. (Cl. 51—278)

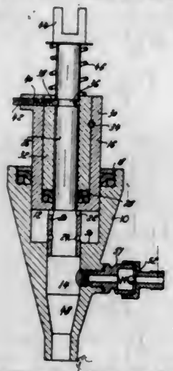
1. The process for finishing the surfaces of metal articles which consists in tumbling the same in a dry mass composed of vegetable ivory chips and an abrasive compound including an abrasive material and lubricating and adhesive vehicles.

2,185,263
ARC PROTECTING DEVICE
Earl L. McClure, Milwaukee, Wis., assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 24, 1938, Serial No. 197,923
4 Claims. (Cl. 191—39)



1. A flame protector for application to the tension member of a section insulator comprising a pair of metallic members for attachment to the tension member adjacent an end thereof to protect the tension member from a flaming arc, an opening through the protector to receive the tension member, means transversely disposed to the axis of the opening to hold the members in position on the tension member, each member having a cross-section approximately that of a T bar in a transverse plane parallel to the axis of the opening and the protector having a cross-section in the same plane approximately an I beam.

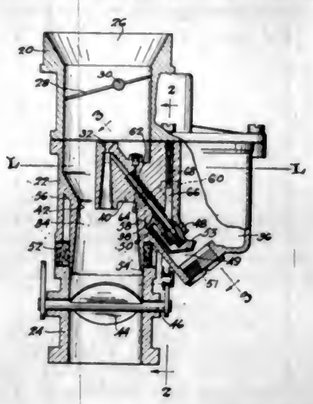
2,185,264
FLUID PRESSURE PRODUCING DEVICE
Paul Henri Mistral, Paris, France, assignor to Bendix Aviation Corporation, South Bend, Ind., a company
Application February 26, 1937, Serial No. 127,839½
In France August 26, 1936
4 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a low pressure producing means including a piston, a high pressure producing means including a piston, a spring between said pistons, and means automatically actuated upon the fluid being subjected to pressure and dependent on the fluid pressure acting on both pistons and upon the pressure of the spring between the pistons for establishing and closing communication between the low pressure producing means and the high pressure producing means.

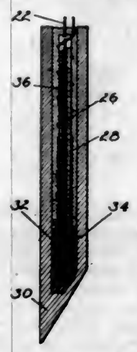
2,185,265
CARBURETOR
Frank C. Mock, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 13, 1937, Serial No. 168,690
4 Claims. (Cl. 261—72)

1. In a downdraft carburetor, a body section forming an induction passage and having a venturi and a fuel reservoir formed integral therewith, a boss projecting from said body section into said fuel reservoir to a point adjacent the bottom thereof but separated from the walls of the fuel reservoir by an annular fuel-receiving



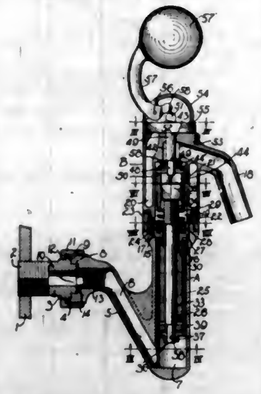
space, an inclined passage in said boss terminating at said venturi, a fuel nozzle in said passage, and a baffle extending longitudinally beneath the boss and terminating beyond the end thereof to deflect vapor bubbles away from the entrance to said passage.

2,185,266
HEATING DEVICE FOR PYROGRAPHY AND SOLDERING IRON
Frank Raffles, Chicago, Ill.
Application July 3, 1935, Serial No. 29,616
7 Claims. (Cl. 219—26)



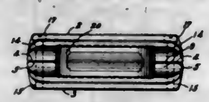
1. A heating element including an insulating tube and high resistance wire passing through the tube and extending out of the end thereof and thence being wound around the exterior of one end of the tube, and refractory cement surrounding the wire and maintaining the same in position on the tube, and a temperature equalizing rod of a heavier section than the wire in that end of the tube adjacent the windings, together with a center pin in the other end of the tube adjacent the resistance wire, the center pin and temperature equalizing rod terminating short of the center of the tube and providing an air gap therein and a metal tube in which said heating element is positioned, the end of said metal tube being beveled, and a corresponding bevel at the end of the support for the resistance wire.

2,185,267
BEER FAUCET
Frank E. Rice, Detroit, Mich., assignor to American Tap-Bush Company, Detroit, Mich., a corporation of Delaware
Application September 22, 1937, Serial No. 164,998
7 Claims. (Cl. 225—5)



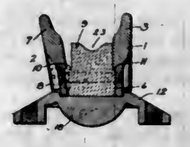
1. In combination, a member having a cylindrical bore therein, a core in the form of a helix disposed within said bore and in spaced relation to the bore wall to form an annular restricted passage therebetween, said helix being fixed at one end and free at the other end, and means connected to the other end of said helix operable to lengthen or shorten the same, said means being constrained against oscillatory movement which might be occasioned by effort of the free end of the helix to twist as the length of the helix is altered.

2,185,268
CURRENT COLLECTOR SHOE
Edmund C. Ryan, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 1, 1938, Serial No. 199,483
9 Claims. (Cl. 191—59.1)



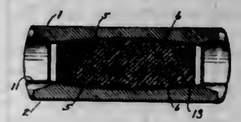
1. A current collector shoe to engage with a trolley wire comprising, an elongated rectangular metallic holder and an elongated insert of non-metallic current-conducting material, the holder being split lengthwise to form two parts and each part having a recess cooperating to form a single recess having a rectangular opening to receive the insert, each part of said holder having a groove at one end to register with the groove of the other part to form a single transverse groove to engage with a part on a support, a projecting lug at the other end of one part and having means to receive other means to secure the shoe to the support, spaced upstanding flanges on the holder extending along the upper longitudinal edges of the insert, a longitudinal groove in the insert, the said groove being of less width than the width of the space between the flanges at the exposed surface of the insert to receive and to guide the trolley wire and maintain it under normal operation out of contact with the flanges of the holder.

2,185,269
CURRENT COLLECTOR
Edmund C. Ryan, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 3, 1938, Serial No. 222,866
4 Claims. (Cl. 191—59.1)



1. A current collector shoe for mounting on a support and collecting current from a trolley wire, comprising an elongated holder portion and a clamping portion and a separately formed insert to engage the trolley wire, the said portions being separately formed and providing a rectangular recess therebetween in which the insert is positioned, means at one end of one portion of the shoe to cooperate with means on a support to hold said end in position and means on the other end of the last said portion to cooperate with means on the support to draw said shoe into and hold it in position the other portion of the shoe being laterally adjustable without disturbing the assembly of the aforesaid one portion with respect to the support; the insert having longitudinal shoulders, one on each side face of the insert and intermediate the upper and lower longitudinal edges of the insert; longitudinal shoulders formed on the inner faces of the said portions, one on each inner face and so constructed and so arranged relative to the shoulders on the insert as to cooperate with the last said shoulders to prevent removal of the insert in a direction away from the support; means to draw and hold the said portions together.

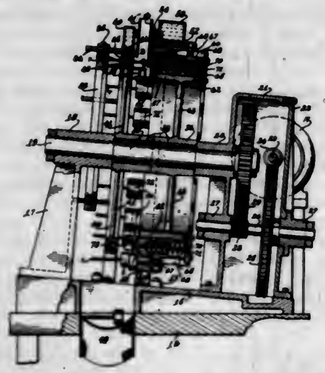
2,185,270
CURRENT COLLECTING DEVICE
Edmund C. Ryan, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 5, 1938, Serial No. 233,418
21 Claims. (Cl. 191—59.1)



1. A current collector shoe comprising a holder and a carbon insert, the holder comprising a pair of elongated members forming a longitudinal recess having closed sides and ends and open top, means to draw the parts together, the inner opposite faces of the side walls being curved to form concave faces, the members each projecting above the recess and having a longitudinal flange to overhang the recess, means on one member for attaching thereto a support, the insert comprising an elongated block of carbon positioned in the recess and having opposite side walls with the faces thereof curved to form convex surfaces corresponding to the said concave faces on the members, the upper surface of the insert being grooved longitudinally to receive a trolley wire, the projecting portions of the said side walls of the members and the upper surface of the insert forming a groove to resist dewirement of the

shoe as it moves along the trolley wire, the curved faces of the members and the insert coacting to prevent longitudinal movement of the insert relative to the holder when the members are in clamping relation with the insert.

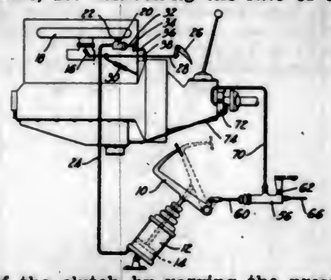
2,185,271
APPARATUS FOR ASSEMBLING GLASS APPLICATOR RODS AND BOTTLE CAPS
Charles F. Schmidt, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 18, 1937, Serial No. 159,726
22 Claims. (Cl. 49—1)



18. A machine for assembling applicator rods and molded bottle caps having centrally formed recesses therein for reception of the rods comprising a rod conveyor and a cap conveyor, means on said rod conveyor for supporting a plurality of rods in spaced relationship, means on said cap conveyor for supporting a plurality of caps in axial alignment with an end of respective rods on said rod conveyor, heating means providing a zone of relatively high heat for heating corresponding ends of said rods, means for rotating said conveyors in unison to move said rod supporting means successively past a rod receiving zone wherein the rods are manually introduced to said rod supporting means, past a cap receiving zone, through said zone of relatively high heat, through an assembly zone to a discharging zone, and to move said cap supporting means past the cap receiving zone through said assembly zone to said discharging zone, means at said cap receiving zone for introducing caps to said cap supporting means in timed relation to the movement of the rods past said rod receiving zone, means at said assembly zone for moving the rods and caps relative to each other axially to cause the heated ends of the rods to enter the recesses provided for them in respective caps, and means at said discharging zone for rendering said rod supporting means inoperative to discharge the assembled rods and caps from the machine by gravity.

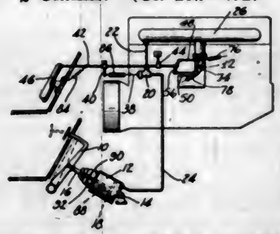
2,185,272
CLUTCH CONTROL MEANS
Roy S. Sanford, New York, N. Y., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application May 18, 1934, Serial No. 726,214
5 Claims. (Cl. 192—.01)

1. In an automotive vehicle provided with a clutch, power means for controlling the operation of the clutch, said means comprising a fluid motor operable, in accordance with the speed of the vehicle, for controlling the rate of engage-



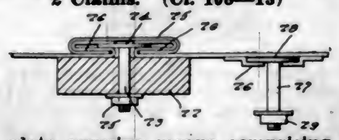
ment of the clutch by varying the pressure of the fluid within the motor.

2,185,273
VACUUM CLUTCH CONTROL
Roy S. Sanford, New York, N. Y., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application July 22, 1935, Serial No. 32,552
2 Claims. (Cl. 192—.01)



1. In an automotive vehicle provided with a throttle and an accelerator pedal, linkage interconnecting said throttle and pedal including a lost motion connection, said linkage further including alternately movable links operable by said pedal for actuating the butterfly valve member of said throttle, said links being bodily movable in opposite directions.

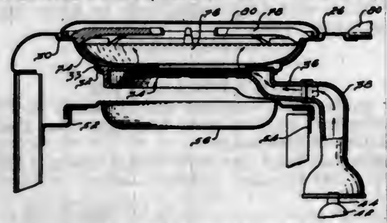
2,185,274
SHEET METAL FASTENING MEANS
William Schoeniger, Crichton, Ala.
Application March 30, 1939, Serial No. 265,032
2 Claims. (Cl. 108—13)



1. A plate securing means comprising a pair of plates having their edges in closely spaced relation, said edges being folded upon themselves to form inner and outer channels, an anchoring member having flanged outer portions for disposition in the inner channels, and a connecting strip having inwardly disposed flanges for disposition in the outer channels of the plate edge portions.

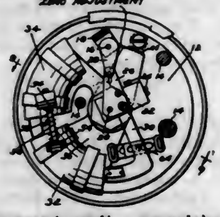
2,185,275
STOVE
Alvin G. Sherman, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application December 24, 1934, Serial No. 758,905
7 Claims. (Cl. 126—39)

1. In a stove, a panel providing a top surface therefor and provided with an opening, a burner comprising an annular ring having an unobstructed central opening and provided with means for supplying fuel to an inwardly directed flame, a dished member provided with an annular central opening disposed in said opening in said panel and having the opening therein similar to that in said burner, said dished member approx-



imately covering said burner and being so arranged with respect to the flame thereof as not to be materially heated thereby, a grate supported by said panel above said opening, and a drip pan disposed below said burner opening, the upper surface of said dished member comprising means for conveying drippings falling thereon first vertically and then laterally in a smooth continuous curve for deposit upon said drip pan.

2,185,276
INSTRUMENT
Albert F. Spitzglass, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application December 19, 1936, Serial No. 116,837
11 Claims. (Cl. 171—95)

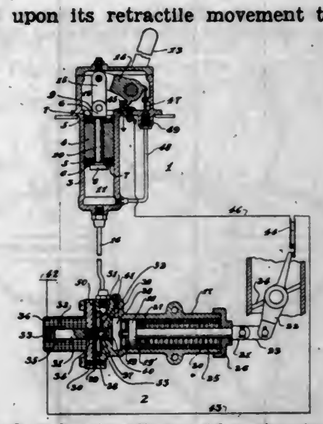


3. An instrument unit comprising a pair of spaced rigidly connected supporting plates, a pair of parallel shafts mounted at their ends on said plates respectively, one of said shafts carrying an indicating arm swingable across and in front of one of the plates, a pair of solenoid coils arranged end to end on the other of said plates, and means to move one of said coils relatively to the other to calibrate the instrument.

2,185,277
HYDRAULIC REMOTE CONTROL
William Stelzer, German Township, St. Joseph County, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 4, 1937, Serial No. 118,978
9 Claims. (Cl. 60—54.5)

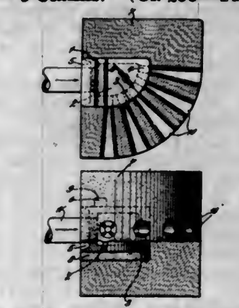
1. In a hydraulic system, a master cylinder, a motor, a hydraulic line between said master cylinder and said motor, means to operate said master cylinder, a check valve between said master cylinder and said motor to allow fluid to pass from said master to said motor upon the pressure producing movement of said master cylinder, but not vice versa, resilient means to return the motor to the "off" position, and means responsive to the suction created by said master

cylinder upon its retractile movement to open



said check valve to allow said motor to return to the "off" position.

2,185,278
LOCOMOTIVE SMOKE CONSUMER
Fred G. Stephens, Granite City, Ill.
Application July 1, 1937, Serial No. 151,398
5 Claims. (Cl. 299—141)

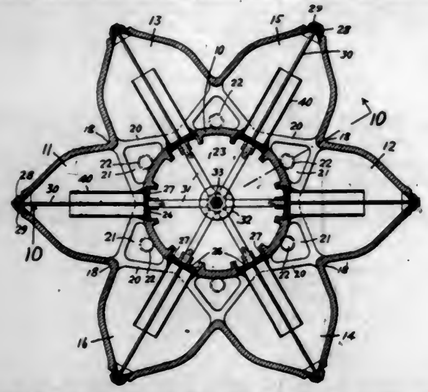


1. A smoke consumer device comprising a member composed of vertical and horizontal metallic walls forming a receiving chamber, one of said vertical walls having an inlet opening and another of said vertical walls being curved about a vertical axis and having outwardly diverging outlet openings therethrough, a refractory cover, having an opening at one side for insertion and withdrawal of said member, supported by and closely enclosing said member and having therein outwardly diverging passages communicating with said openings respectively for discharging steam in several directions, and a projection on said member interlocking with said cover and preventing displacement of said cover.

2,185,279
CENTRIFUGAL SEPARATOR
George J. Strezynski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application September 24, 1938, Serial No. 231,459
15 Claims. (Cl. 233—17)

1. A centrifugal separator bowl comprising a central hub and peripheral separating chambers spaced sixty degrees apart, webs rigid with and constituting inward extensions of the side walls of the chambers, each web of a chamber being connected and rigid with the hub and with a web extending from the side wall of a chamber spaced 120° therefrom, the two webs extending from the adjacent side walls of each two ad-

jacent separating chambers forming between them and the hub a lighter separated liquid out-

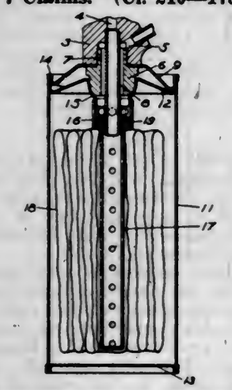


flow space communicating with the inner portions of both said adjacent chambers.

2,185,280
METHOD OF PRODUCING AN INORGANIC INSULATING MATERIAL
Karl Stuckardt, Berlin-Charlottenburg, and Reinhold Reichmann, Berlin, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 19, 1938, Serial No. 197,030. In Germany August 22, 1936
3 Claims. (Cl. 106—12)

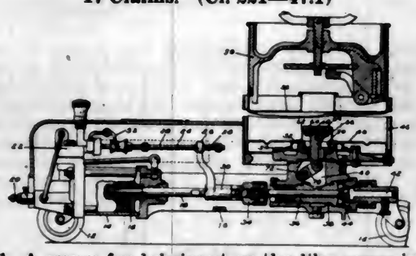
1. The method of producing inorganic insulating materials which consists in mixing a charge of 3 to 7 parts by weight of sodium calcium silicate, 15 to 30 parts by weight of potassium silicate fluoride, 10 to 15 parts by weight of aluminum oxide, 25 to 30 parts by weight of magnesium oxide, and 25 to 35 parts by weight of quartz, fusing them at a temperature between 1310° and 1360° C. until the mixture becomes colorless, and adding a further mass of 2 to 3 parts by weight of potassium silicate fluoride.

2,185,281
FILTER
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application September 19, 1936, Serial No. 101,576
7 Claims. (Cl. 210—178)



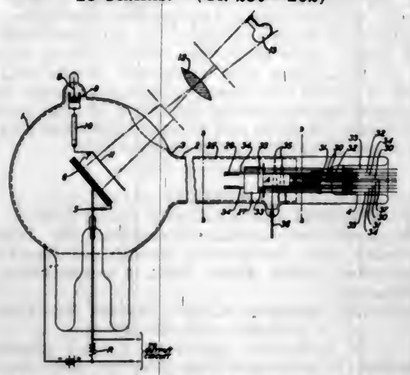
1. A filter comprising a hollow body having permanently fixed end closures, one of said closures being provided with an opening for flow of liquid, the walls of said opening having a concave form, a convex stud connected in a liquid circulating system for sealing engagement with the walls of said opening, spaced lugs formed adjacent the periphery of the end of the body adjacent said opening to form a bayonet joint with a connecting member associated with the stud, and a filter element in the body to filter liquid flowing therethrough.

2,185,282
LUBRICATING DEVICE
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application May 24, 1937, Serial No. 144,391
17 Claims. (Cl. 221—47.1)



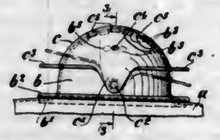
1. A pump for lubricant or the like comprising a pump cylinder, a reciprocating plunger in said cylinder, a lubricant supply source communicating with said cylinder, a feed member reciprocable toward and away from the cylinder to urge lubricant from the supply source into the cylinder, and a yielding connection between the plunger and feed member to reciprocate the feed member with the plunger and which will yield to permit movement of the plunger without moving the feed member.

2,185,283
CATHODE RAY DISCHARGE DEVICE
Howard W. Weinhart, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1936, Serial No. 96,925
18 Claims. (Cl. 250—162)



1. A cathode ray discharge device comprising a container enclosing an electrode assembly including an electron emitter, and an accelerating electrode provided with a converging opening which merges into a field-free aperture for defining the cross-sectional area of an electron beam, the depth of said opening being at least many times the distance across said aperture.

2,185,284
CLOSURE FOR CONTAINERS
Ralph W. Wilson, New York, N. Y.
Application February 16, 1934, Serial No. 711,475
7 Claims. (Cl. 221—62)



1. A closure for containers comprising a neck-shell having its end formed as a portion of a sphere in which is provided a dispensing opening, a cap of similar form having a dispensing opening therein mounted in nested relation to the shell, means to engage the cap with the shell with capacity for relative movement therebetween to bring the openings into or out of alignment as required, and a flange on the edge of the cap constituting a finger piece to facilitate movement thereof and engageable with a portion of the container to serve as a stop for limiting movement of said cap.

2,185,285
CLOTHESPIN
Holland O. Woods, Jackson, Mich.
Application November 21, 1938, Serial No. 241,583
6 Claims. (Cl. 24—137)



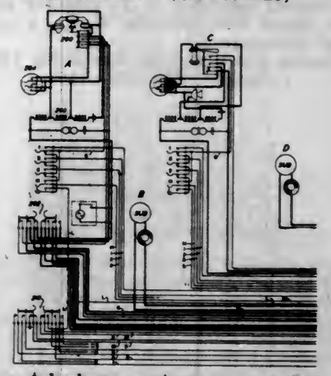
1. A clothespin, comprising a return bent strip of spring metal, said pin having an opening therethrough between its ends, and a split ring disposed through said opening and having the split ends thereof separated and bearing against the outer sides of said pin to supplement the inherent resiliency of said strip.

2,185,286
COMB
Daniel D. Whyte, New York, N. Y., assignor to Injection Moulding Corp., New York, N. Y., a corporation of New York
Application November 25, 1938, Serial No. 242,188
1 Claim. (Cl. 132—21)



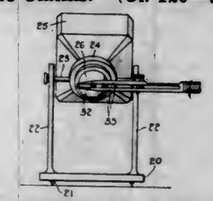
In a comb, a head, a series of spaced teeth extending transversely from said head, each of said teeth having a section along its length of alternately narrow and wide formation, adjacent teeth having similar sections, thereby defining respectively a series of wide and narrow spacing zones between adjacent teeth, the wide spacing zones between the teeth providing for the passage of strands of hair, and the teeth at their widened portions defining the narrow zones serving to clamp the strands of hair, the said sections of wide and narrow formation on the teeth being formed within an arcuate zone extending longitudinally across the teeth.

2,185,287
TELEPHONE SYSTEM
William M. Beaumont, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1936, Serial No. 85,459
17 Claims. (Cl. 179—18)



1. In a telephone system, a cross-bar switch, subscribers' lines terminating in said switch, links terminating in said switch, means responsive to the dialing of two series of impulses over a calling subscriber's line for connecting said calling line to a corresponding first called line through an idle link, means responsive during the dialing of one series of impulses of a second called subscriber's number for signaling the first called subscriber and responsive to the dialing of the second series of impulses of the second called subscriber's number for connecting said second called subscriber's line to the calling subscriber's line over the same link used for connecting the first called subscriber's line to the calling subscriber's line and for signaling the second called subscriber, and means for discontinuing the signaling of the first called subscriber when said second called subscriber answers the call.

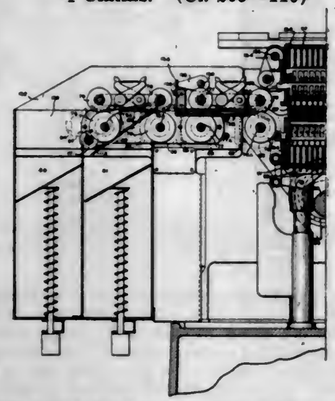
2,185,288
DISPENSER FOR LIQUIDS
Georges Binon, Paris, France, assignor to Walter Grumbacher and Walter J. Grumbacher, copartners doing business as M. Grumbacher, New York, N. Y.
Application October 18, 1937, Serial No. 169,553
In Belgium October 19, 1936
13 Claims. (Cl. 120—57)



1. In a dispenser for a liquid, a container having a compressible portion, and a capillary outlet tube projecting from said portion and adapted by movement thereof to effect compression of said portion and consequent expulsion of liquid through said tube; said compressible portion comprising a hollow body of resilient deformable material such as rubber, and said outlet tube comprising a relatively rigid element extending through the wall of said hollow body in liquid-tight relation thereto; said tube having a tail

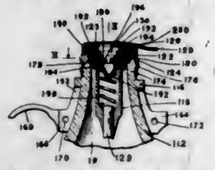
portion adapted to brace itself against an inner side wall of said hollow body when the tube is moved.

2,185,289
CARD SORTING MACHINE
Karl J. Braun, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 24, 1937, Serial No. 138,699
4 Claims. (Cl. 209—110)



2. In a machine of the class described, the combination of card sensing means, a card retaining chamber, a pair of receiving stations, transporting means for feeding cards to said sensing means and thence to said retaining chamber and thence to said receiving stations, means for arresting a card in cooperative relation to said sensing means, means for arresting a card in said retaining chamber, a card deflector movable to different positions to guide cards to one and the other of said receiving stations, and means whereby said sensing means may control the last mentioned card-arresting means and concomitantly control the positioning of said card deflector.

2,185,290
CLOSURE FOR CONTAINERS FOR AERATED BEVERAGES
Hilario Sanchez Bravo and Manuel Sanchez Bravo, Buenos Aires, Argentina
Application August 24, 1937, Serial No. 160,580
In Argentina November 10, 1936
1 Claim. (Cl. 215—74)

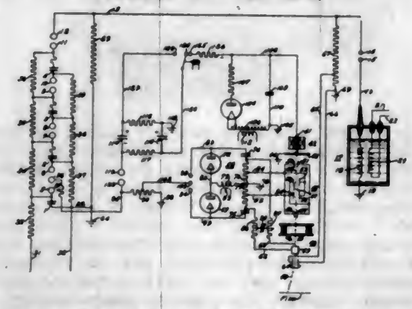


In a siphon bottle and similar container for storing and dispensing aerated liquid, having a neck comprising an outer threaded portion, and an inner annular shoulder formed in said neck; in combination, a valve housing within said neck, a siphon tube carried by said valve housing and extending into said bottle, said valve housing having outer screw threads formed therein, a cover positioned within said neck, the top of said cover being substantially flush with the top of said neck, said cover comprising a threaded depending skirt meshing with the outer screw threads of said valve housing, an outer flange and an inner annular portion, said skirt constituting a continuation of said outer flange and of said inner annular portion; a valve body situated within said housing and comprising a bottom portion constituting a guide member and a cylindrical upper portion having a plurality of outer grooves formed therein, said cylindrical upper portion being adapted to closely contact the inner walls of said valve housing and reciprocate therein along the axis of said neck; a thrust member within the upper portion of the valve body, said thrust member having a tapered recess formed therein and adapted to serve as a guide for a valve depressing element, a spring situated within said housing and pressing said valve body toward the inner annular portion of said cover, an annular gasket situated between the upper portion of said valve body and the inner annular portion of said cover and carried by said valve housing, said gasket covering the ends of said outer grooves, a washer carried by the inner shoulder of said neck and engaging the outer flange of said cover to support said cover, a cap screwed upon the threaded portion of the neck, and another annular washer between said cap and said cover.

2,185,291
PROCESS FOR REFINING MINERAL OILS
Johannes Arnoldus Buchel and Reyerus Nicolaas Jan Saal, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application November 6, 1933, Serial No. 696,910. Divided and this application January 19, 1938, Serial No. 185,690.
In the Netherlands July 23. 1928
8 Claims. (Cl. 196—13)

1. In an extraction process for separating hydrocarbon oils into portions of different degrees of paraffinicity, the steps of bringing a liquid hydrocarbon oil into contact with a selective solvent for non-paraffinic hydrocarbons in the presence of chloroform, under conditions causing the formation of liquid extract and raffinate phases and separating the phases.

2,185,292
IMPULSE VOLTAGE TESTING EQUIPMENT
George L. Candler and William D. Albright, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1938, Serial No. 224,704
7 Claims. (Cl. 175—183)



1. In combination, an impulse generator comprising a parallel charging circuit and a series discharging circuit, a cathode ray oscillograph comprising an emission tube including a cathode,

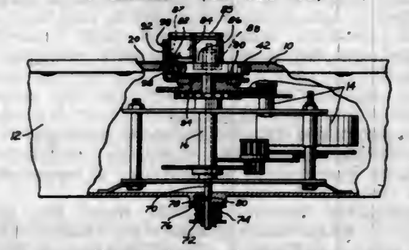
a relay part with a recording part, a timing system for controlling said relay and recording parts, a high voltage direct current supply source connected to said cathode, and means for simultaneously initiating the discharge of said surge generator and the operation of said oscillograph timing system comprising a common tripping circuit, a pair of spaced spheres forming a sphere gap, a plurality of condensers adapted to be connected to said cathode supply source through a parallel charging circuit and to the tripping circuit through a series discharge circuit including said sphere gap.

2,185,293
CIGARETTE AND PROCESS OF TREATING SAME
Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application July 24, 1930, Serial No. 471,146
12 Claims. (Cl. 131—12)



1. The method of treating cigarettes, which comprises dipping an end thereof in a liquid comprising a binding material held in solution by a volatile solvent and withdrawing the cigarette from said liquid whereby said solvent evaporates and allows the binding material to be deposited around the individual strands of tobacco.

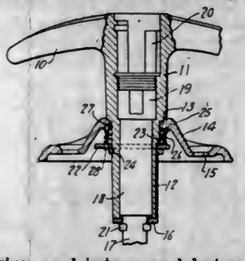
2,185,294
CHART MOUNTING FOR INSTRUMENTS
James D. Cunningham, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application November 5, 1936, Serial No. 109,224
7 Claims. (Cl. 234—75)



1. A recording instrument comprising a clock-driven hollow shaft, a plunger extending through the shaft, a chart-holding device on one end of said plunger, and a spring acting on the other end of the plunger to operate said device to clamp a chart in place.

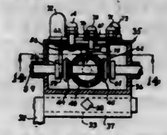
2,185,295
DOOR HANDLE MOUNTING
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application May 2, 1938, Serial No. 205,477
5 Claims. (Cl. 292—356)

1. In a door handle having a handle shaft adapted to be disconnected therefrom, a handle provided with a sleeve-like extension fitting the shaft, the extension having an external shoulder, an escutcheon abutting against the shoulder, means for retaining the handle in a normal position comprising a member on the extension and spaced from the shoulder, and a spring encircling



the extension and interposed between said member and escutcheon and having one end anchored to said member and the opposite end engaging said escutcheon, whereby the spring urges said escutcheon and shoulder into engagement and yieldingly holds the handle in a predetermined position upon being disconnected from said shaft.

2,185,296
TRANSMISSION FOR INVALID BEDS
Frank Gahm, Pasadena, Calif.
Application January 2, 1936, Serial No. 57,181
2 Claims. (Cl. 74—355)



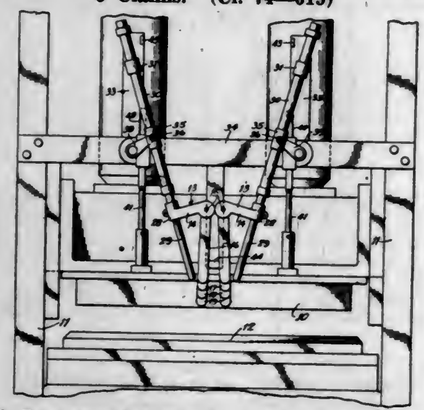
1. In a reversing mechanism for operating the rolls of an invalid's bed, a shaft having a bevel gear thereon, a second shaft at right angles to the first shaft, a pair of gears on the second shaft and arranged on opposite sides of the first gear, said pair of gears being splined on their shaft to move towards and from the first gear, a support, a shifting member movably mounted on said support and engaging one of said pair of gears, a second shifting member movably mounted on said support and engaging the other of said pair of gears, a lever pivoted on said support, a cam on said lever, said support having a slot, means on said first mentioned shifting member passing through said slot and engaging said cam to shift said first mentioned shifting member, a pin on said second shifting member passing through said slot, a second lever engaging said pin and pivotally mounted on the first lever, the pivot of said second lever being disposed at one side of the axis of said first lever whereby when the first lever has moved said first shifting member to withdraw its associated gear from said first gear said other of the pair of gears will be moved into engagement with said first gear.

2,185,297
ORGANIC ESTERS AND METHOD FOR THEIR PRODUCTION
Walter E. Gloor, Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 23, 1936, Serial No. 102,163
11 Claims. (Cl. 260—488)

9. An ester of a lower fatty acid selected from

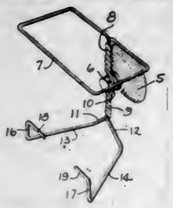
the group consisting of propionic acid and butyric acid with an aliphatic polyhydric nitro-alcohol selected from the group consisting of trimethylol nitromethane and dimethylol nitroethane.

2,185,298
SAFETY GUARD FOR DIE PRESSES
Edward H. Hall, Chicago, Ill.
Application November 12, 1938, Serial No. 240,140
9 Claims. (Cl. 74—615)



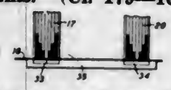
1. In a guard device for machines embodying a movable member in the nature of a die head, a plurality of blades and a mounting for the blades adapting the same to be folded or distended, means controlled by the movements of the movable member for oscillating the blades as a group, and means for distending the blades concurrently with the advance of the movable member.

2,185,299
CIGARETTE PACKAGE AND MATCH HOLDER
James Edmund Heraty, La Crosse, Wis.
Application June 20, 1938, Serial No. 214,640
6 Claims. (Cl. 211—87)



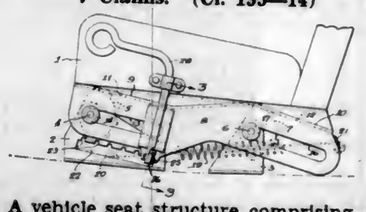
2. A device of the character described, comprising the combination with a central support having a connecting member, of a wire having its intermediate portion looped to constitute a generally rectangular frame spaced above said support, said wire having strands twisted together to close said frame and extending thence downwardly and embracing said connecting member, the terminal portions of said wire being twisted together to extend below said member and thence being divergent and extended outwardly beneath said frame and upwardly at the front of said frame and therebelow, whereby to provide a saddle co-acting with said frame to receive and carry a carton, said saddle and wire terminals having portions spaced at an appropriate distance to be engageable in the spaced bights of the match book for holding the book in front of the carton.

2,185,300
TELEGRAPHONE
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1936, Serial No. 65,020
5 Claims. (Cl. 179—100.2)



1. A telegraphone record member comprising a continuous layer of magnetic material of high retentivity and a layer of magnetic material of high permeability and low retentivity in direct contact with said continuous layer.

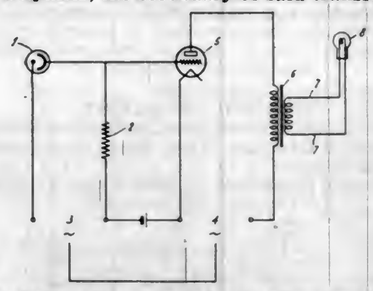
2,185,301
SEAT TRACK AND RISER
Rex C. Jacobs, Detroit, Mich.
Application February 27, 1937, Serial No. 128,246
7 Claims. (Cl. 155—14)



1. A vehicle seat structure comprising, spaced movable track members supporting the seat, said track members having forwardly disposed inclined track portions and rearwardly disposed inclined track portions, said forward and rearward track portions having different inclinations to provide for tilting of the seat on movement of the seat track members, guide slots in said track members adjacent said forward track portions and having substantially the same inclination as said forward track portions, guide slots in said track members adjacent said rearward track portions and having substantially the same inclination as said rearward track portions, stationary supports in the vehicle, rotatable means carried by said stationary supports, said inclined track portions bearing upon said rotatable means, and means on said supports engaging in said slots.

2,185,302
PICTURE TRANSMISSION SYSTEM
August Karolus, Leipzig, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Application January 5, 1935, Serial No. 521
In Germany January 10, 1934
1 Claim. (Cl. 178—6)

In a light intensity modulation system, a photoelectric element, means for energizing said photoelectric element directly from a source of alternating current of low frequency, means for supplying light of varying values of intensity to the photoelectric element, a resistance joined to said photoelectric element across which variations in potential are developed in accordance with varying values of light supplied to said element, an amplifier for amplifying the potential variations across the resistance, means for energizing the output circuit of said amplifier entirely from the above mentioned alternating current source in such phase relation that amplitude modulation of the alternating current in accordance with the potential variations across the resistance is accomplished, a light producing element, and a transformer in the output circuit of said amplifier, the secondary of said transformer



being electrically connected to the light producing element whereby light of an intensity which varies in accordance with the modulation of the alternating current source is produced.

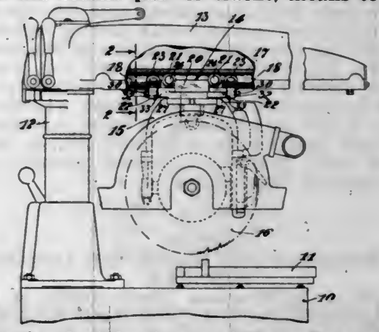
2,185,303
WIRE LINE SHOOTING TOOL
Myron M. Kinley, Houston, Tex.
Application July 1, 1938, Serial No. 217,047
11 Claims. (Cl. 255—34)



1. A shooting off tool for wire lines comprising a body, an opening therein for a wire line, means to move into said opening to grip the wire line and hold it in said body, means to shear the wire line below the point of gripping of said line, and means movable to actuate both of said means.

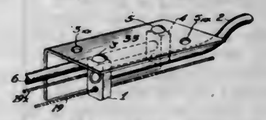
2,185,304
RECIPROCATORY CARRIAGE STRUCTURE
Walter Knapp, Manheim Township, Lancaster County, Pa., assignor to De Walt Products Corporation, Lancaster, Pa., a corporation of Pennsylvania
Application December 24, 1937, Serial No. 181,633
5 Claims. (Cl. 308—6)

1. In a cutting machine, a reciprocatory carriage organization comprising: means providing a first pair of spaced tracks and a second pair of spaced tracks angularly positioned with respect to the first pair of tracks, the tracks being horizontal and being stationary during the operation of the machine, a carriage movable along the tracks, a first set of four rollers mounted on the carriage for engagement with the first pair of tracks, means to shift the axis of at least one of said rollers to bring them all into accurate engagement with their tracks, a second set of four rollers mounted on the carriage for engagement with the second pair of tracks, means to shift



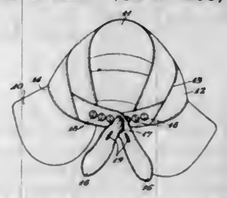
the axis of at least one of the rollers of said second set of four to bring all of the rollers of the second set into accurate engagement with their tracks, and a cutting tool suspended from said carriage.

2,185,305
CURTAIN AND DRAPE MOUNTING AND SLIDE OPERATING MEANS
Adolph Marchand, Jackson Heights, N. Y.
Application April 29, 1938, Serial No. 204,987
2 Claims. (Cl. 156—20)



1. In a curtain and drape mounting comprising a pair of rods and supporting means for the outer ends of the rods, the inner ends of the rods overlapping, a connecting means for said inner ends of the rods and comprising a bracket member, blocks depending from the bracket member, one for each rod and apertured to receive the latter, and connecting means intermediate the bracket and each block by means of which the blocks may be adjusted relatively to the bracket and the positions of the rod inner ends may be reversed as to the overlap thereof, the rods being adapted for receiving slide carriers for curtains or drapes.

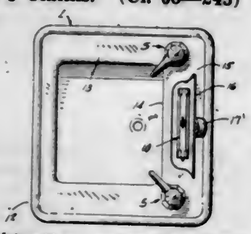
2,185,306
HAT
Murray J. Marks, New York, N. Y.
Application September 21, 1938, Serial No. 230,931
1 Claim. (Cl. 2—198)



In a ladies' hat structure incorporating an open crown and brim, a series of arcuate segments attached to one another along their longitudinal edges to define crown and brim members, the ends of the arcuate segments forming the crown and brim being spaced apart to form an open

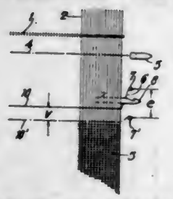
crown and brim, a pair of bands, each attached at one end thereof respectively to one of the opposing ends of the arcuate segments forming the crown, each of the bands having a series of spaced male locking members adjacent the attached end, and spaced female locking members adjacent the free end thereof, one of the bands having a slit intermediate the male and female locking member series thereof, through which passes the free end of the other band, whereby to provide a hat adjustable as to crown circumference upon interlocking of different sets of cooperating male and female locking members on the respective bands.

2,185,307
COMBINATION LAVATORY AND CLOTHES WRINGER
Regina A. McManimen, Merchantville, N. J.
Application September 19, 1938, Serial No. 230,530
5 Claims. (Cl. 68—245)



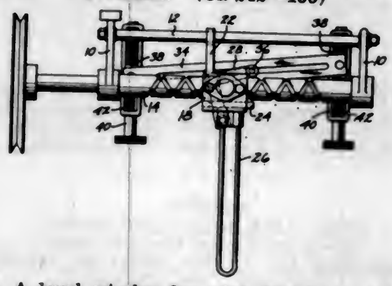
2. In combination, a lavatory consisting of a wash bowl defined by wall structure including a substantially upstanding wall terminating in an upper edge, and a flange integral with said wall and outstanding therefrom at said upper edge in a substantially horizontal plane, said flange being formed with an opening, a clothes wringer positioned beneath said top flange in alignment with said opening, means for supporting said clothes wringer in said position beneath said opening, said means providing for movement of said clothes wringer through said opening, and mechanism included as a part of said means providing for movement of said clothes wringer in a plane substantially normal to that of its movement through the opening into usable position above said wash bowl.

2,185,308
SELVAGE WEAVING
Erwin Pfarrwaller, Winterthur, Switzerland, assignor to Tefag Textil-Finanz A. G., Winterthur, Switzerland
Application June 28, 1938, Serial No. 216,215
In Switzerland July 2, 1937
12 Claims. (Cl. 139—127)



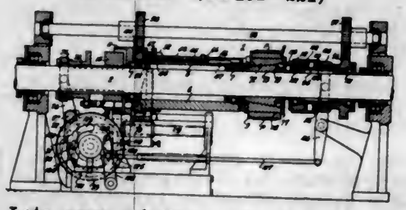
1. An apparatus for weaving selvages at the edges of cloth woven by a loom, said apparatus comprising a thread end gripper adapted to grip the ends of the weft threads protruding from the shed, operating means connected with said gripper for operating said gripper, said operating means comprising gripper motion control means which provide for moving said gripper while gripping a weft thread end in the direction of the backward movement of the lay after the beat whereby the end of the thread gripped by the gripper is stretched.

2,185,309
WINDING APPARATUS
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application September 29, 1938, Serial No. 232,266
3 Claims. (Cl. 242—158)



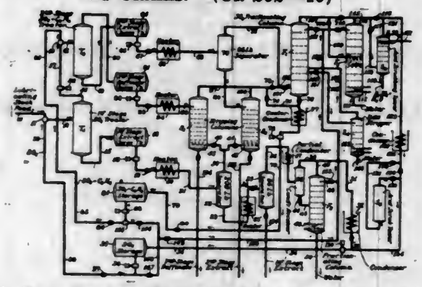
1. A level winder for wire drawing machines or the like comprising a member adapted to move across a reel, means for reciprocating said member throughout a constant stroke, guide means slidably mounted on said member for guiding a strand onto the reel, and means operated by the reciprocation of said member for causing said guide means to slide on said member as the member reciprocates, and means for varying the position of the last named means to vary the effective stroke of the guide means.

2,185,310
PRINTING MACHINE
Cecil George Quick, Charles Henry Skinner, and Morris Edward Bilbie Evans, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application May 7, 1938, Serial No. 206,520
In Great Britain May 14, 1937
12 Claims. (Cl. 101—221)



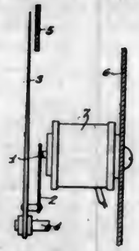
1. Late news printing mechanism comprising an impression cylinder, a printing head adapted to receive printing plates to print on a web passing between the head and the cylinder, means normally rotating the head and the cylinder together, a normally stationary loading head adapted to receive printing plates below type height, means to speed up the loading head and register it with the printing head, and means to move a plate from the loading head to the printing head in two sequential steps, the first of which moves the plate while below type height into longitudinal printing position on the printing head and the second of which moves the plate in a radial direction to type height.

2,185,311
SOLVENT RECOVERY
Edward G. Ragatz, Los Angeles, and Donald E. McFaddin, Richmond, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 16, 1934, Serial No. 720,882
14 Claims. (Cl. 202—40)



1. In a process for separating a solvent solution of sulphur dioxide, benzene and water the steps comprising vaporizing the solution, fractionating the vapors in contact with liquid sulphur dioxide reflux substantially free from and at a temperature and pressure which will condense substantially all of the benzene vapors but will allow water vapor to remain uncondensed and producing thereby fractionated overhead vapors consisting of sulphur dioxide and water substantially free from benzene.

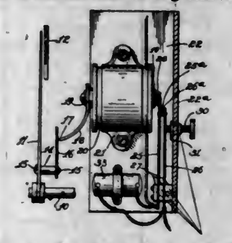
2,185,312
ELECTRICAL SNUBBING DEVICE
Christian Reimuller, Chicago, Ill.
Application January 22, 1938, Serial No. 186,482
12 Claims. (Cl. 188—164)



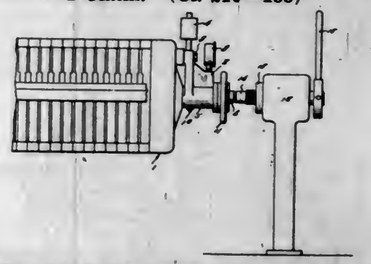
1. In an electrical snubbing device of the character indicated, the combination of electro-magnetic means having a core and adapted to be periodically energized by alternating current, and means including a magnetic element normally disposed in close proximity and adapted to be periodically attracted to the core of said electro-magnetic means, one of said means being movable relatively to the other, whereby periodical energization of said electro-magnetic means causes periodic engagement of said magnetic element with the core of said electro-magnetic means for controlling the motion of said movable means.

2,185,313
ELECTRICAL SNUBBING DEVICE
Christian Reimuller, Wilmette, Ill.
Application August 1, 1938, Serial No. 222,565
18 Claims. (Cl. 188—164)

1. In an electrical snubbing device of the character indicated, the combination of electro-magnetic means, including a core, adapted to be energized by impulses of direct current, an electrical circuit for said electro-magnetic means including a source of direct current, means including a magnetic element normally disposed in close proximity and adapted to be magnetically attracted to the core of the electro-magnetic means, one of said means being movable relatively to the other, and means for periodically interrupting said direct current supply, whereby said electro-magnetic means is periodically energized for causing periodic attraction and engagement of said magnetic element with the core of said electro-magnetic means for controlling the motion of said movable means.



2,185,314
FILTER PRESS FILLER BLOCK
Thomas E. Raymond, Zanesville, Ohio
Application March 29, 1939, Serial No. 264,835
1 Claim. (Cl. 210—188)

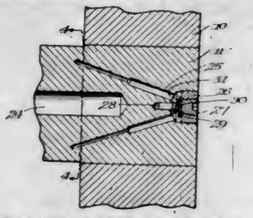


A filler block for transmitting pressure from a pressure member to a press comprising a body having one end adapted to engage an end of the press, a cylinder in the body opening out through the other end thereof, a pressure gauge carried by the body and said body having a conduit therein leading from the inner end of the cylinder containing liquid to the gauge, a piston in the cylinder and having one end extending from the open end of the cylinder and said end being adapted to be engaged by the pressure member and a nut threaded on the outer end of the piston for engaging the body for transmitting the pressure applied to the piston to the body after the piston has been moved into the cylinder a predetermined degree.

2,185,315
MEANS FOR DETECTING CRACKS IN CRANKPINS AND THE LIKE
Theodore Rogatchoff, Baltimore, Md.
Application January 9, 1939, Serial No. 250,023
2 Claims. (Cl. 73—51)

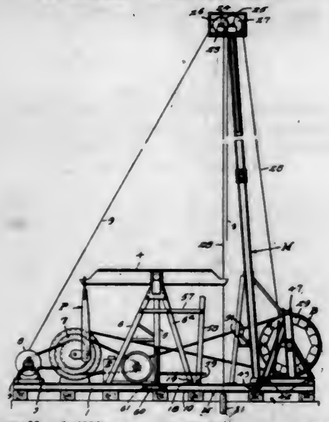
1. The combination of a wheel, a crankpin or axle fixed in a bore of said wheel and projecting therefrom at one side of the wheel, the other end of said crankpin or axle being substantially flush with a face of the wheel, said crankpin or axle having a recess in said flush face and having a

series of bores spaced about its circumference and extending lengthwise thereof from said recess approximately to the zone of probable



breakage of said crankpin or axle, and means in connection with said recess for attachment of a source of fluid pressure.

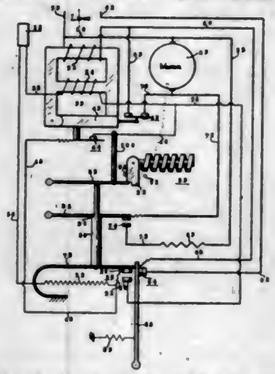
2,185,316
DEEP WELL DRILLING APPARATUS
William P. Rogers, Pampa, Tex.
Application August 13, 1938, Serial No. 224,780
3 Claims. (Cl. 255—11)



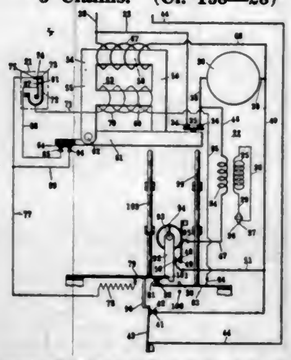
1. A well drilling apparatus comprising, in combination, a power unit including side sills and a cross member connecting the rear extremities of said side sills; a mast unit including side sills and a cross member connecting the forward extremities of said side sills; means coacting with the cross members of both of the units for detachably connecting said units one to the other, a Samson post carried by the rear portion of the power unit, a brace member extending from the upper portion of the Samson post and extending beyond the adjacent rear end of the power unit to contact with the mast unit from above, means for detachably connecting said brace member to the mast unit, said brace member providing means to prevent upending of the forward end portion of the power unit and of the rear end portion of the mast unit.

2,185,317
CONTROL APPARATUS
Warren H. F. Schmieding, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application September 9, 1937, Serial No. 163,054
6 Claims. (Cl. 158—28)

1. A control system for a fuel burning device comprising in combination, electrically operated means for controlling the fuel burning device; a safety switch operable to render the fuel burning device inoperative; electrically heated thermal means operable after a predetermined period of heating to operate the safety switch, said thermal means being heated continuously during the operating period of the fuel burning device, means for preventing operation of the safety switch by the thermal means, said last means being rendered effective upon the establishment of combustion and prior to the operation of the safety switch by the thermal means; and means rendered effective upon deenergization of the electrically operated means for preventing operation of the safety switch by the thermal means when said combustion responsive means is ineffective.

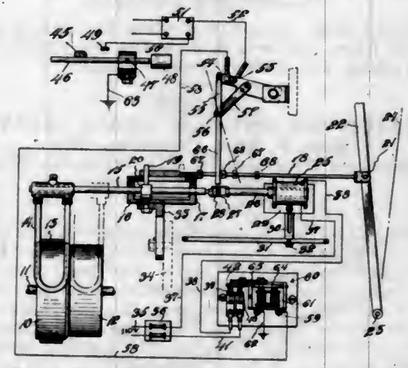


2,185,318
CONTROL APPARATUS
Warren H. F. Schmieding, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application November 16, 1937, Serial No. 174,835
5 Claims. (Cl. 158—28)



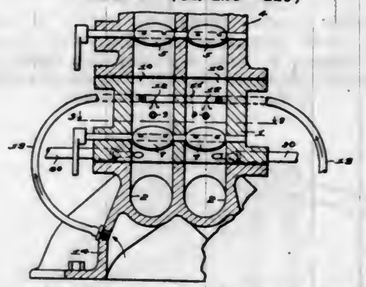
1. A control system for a fuel burning device comprising in combination electrically operated means for controlling the fuel burning device; an electric circuit for said means including a switch; electrically operated thermostatic means; a safety switch actuated by the thermostatic means for rendering the circuit inoperative after a predetermined time; combustion responsive means having a starting position and a second position wherein the last mentioned means prevent the operation of the safety switch, said combustion responsive means being moved to the second position in response to the establishment of combustion; means responsive to deenergization of the first mentioned electrically operated means for opening the first mentioned switch; said thermostatic means being timed to reclose the first mentioned switch after a predetermined time; and means operated by the combustion responsive means for preventing the thermostatic means from reclosing the first mentioned switch until said combustion responsive means returns to its starting position.

2,185,319
COMBINATION STOP MOTION AND BELT SHIPPER MECHANISM
Walter J. Scott, Woonsocket, R. I.
Application March 28, 1938, Serial No. 198,415
7 Claims. (Cl. 192—125)



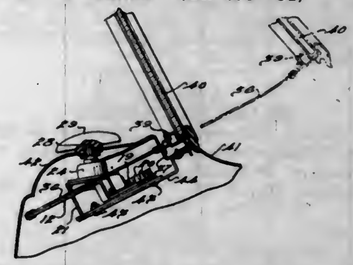
1. In combination with a machine having a belt drive and a belt shipper mechanism, an electric circuit including means to shift the belt when the circuit is energized, a second electric circuit of lower voltage including a means operable upon a fault of the work passing through the machine to energize said circuit, and means in said second circuit responsive to being energized to in turn energize the first circuit and cause movement of the shipper rod to stop position.

2,185,320
FUEL VAPORIZER
Robert U. Spearman, Lakeland, Fla.
Application June 28, 1939, Serial No. 281,746
1 Claim. (Cl. 123—119)



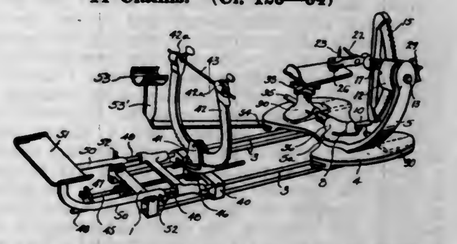
In combination with a V type internal combustion engine including a pair of intake manifolds and a dual carburetor, a gasket interposed between the manifolds and the dual carburetor and comprising a pair of passages, one communicating with each manifold, conduits connecting the passages in the gasket with the crank case of the engine and the radiator for receiving vapors therefrom, a pipe traversing the passages in the gasket between the conduits and the carburetor, said pipe having ports therein communicating with the gasket passages, pipes connecting the first named pipe to the valve casing of the engine for receiving hot air therefrom, control valves in the gasket anterior to the vapor conduits, control valves for the carburetor, and means for actuating the first and second named valves in unison.

2,185,321
WINDOW OPERATING MECHANISM
Willard F. Thoma, Detroit, Mich., assignor to National Stamping Company, Detroit, Mich., a corporation of Michigan
Application July 27, 1938, Serial No. 221,573
7 Claims. (Cl. 296—84)



1. In a window operating mechanism, a supporting base, a pair of window operating arms pivoted on said base, intermeshing toothed segments integrally formed on said arms for pivotally moving said arms in unison, a worm wheel secured to one of said arms concentric with its axis of pivotal mounting, and a worm meshing with and driving said worm wheel to pivotally actuate said arms in unison.

2,185,322
BONE SETTING SPLINT
Roger Anderson, Seattle, Wash.
Application March 4, 1935, Serial No. 9,191
14 Claims. (Cl. 128—84)



3. A splint for the reduction of fractures of the femur, comprising a base for the support of the fractured limb, a bracket attached to the base and adapted, when the splint is applied, to be adjusted about a vertical axis through the anatomical center of the femur head, and an attachment means mounted on the bracket whereby direct skeletal connection may be made with the superior fragment of the fractured bone for manipulation thereof; said attachment means being rotatably adjustable about an axis longitudinally of the limb passing through the center of the femur head.

2,185,323
AUTOMATIC PASTE TUBE CLOSURE
William Graydon Arnold, Shaunavon, Saskatchewan, Canada
Application November 29, 1938, Serial No. 243,001
2 Claims. (Cl. 221—60)

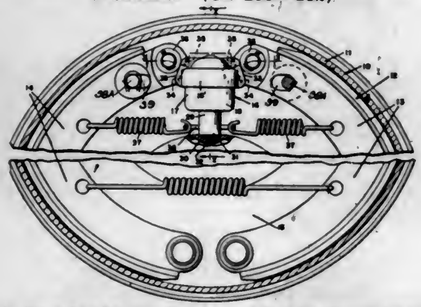
1. In an automatic closure for a collapsible

tube as described, comprising a tube having a neck and an apertured top formed thereon, said neck having a discharge opening formed therein, a closure therefor consisting of a circular member having an upstanding collar thereon, said



member slidably mounted within said neck and arranged to normally close said discharge opening, and a conical shaped resilient member positioned between said closure and said top, and spring means within said resilient member, substantially as set forth.

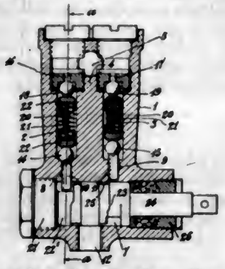
2,185,324
BRAKE MECHANISM
Carl F. Baisch, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 23, 1936, Serial No. 70,512
7 Claims. (Cl. 188—152)



1. In a brake mechanism, a brake drum having a brake flange, friction means within the drum engageable with said flange and having spaced ends, a hydraulic actuator for the friction means having a cylinder supported for movement radially of the drum between the ends of the friction means and communicating with a source of fluid under pressure at a point adjacent the radially outer end thereof, and a piston fixed against movement with the cylinder and having a head portion at the radially outer end extending into the cylinder and responsive to the action of fluid pressure in the cylinder to effect movement of the latter in the direction aforesaid for moving the ends of the friction means outwardly into engagement with the brake flange.

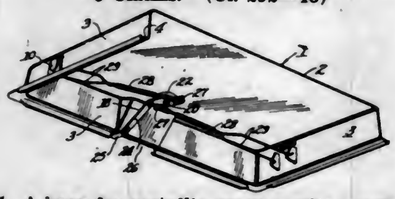
2,185,325
VALVE APPARATUS FOR USE IN DISTRIBUTING FLUID
Herbert Raymond Barrett, Chelmsford, and Wilfrid Brookes, Braintree, England, assignors to Lake and Elliott Limited, Braintree, England, a British company
Application May 17, 1937, Serial No. 143,160
In Great Britain September 9, 1936
2 Claims. (Cl. 277—21)

1. Valve apparatus for use in distributing fluid, comprising a casing having a chamber formed with a distribution port leading therefrom, said chamber being formed with oppositely disposed inlet and release ports, oppositely disposed valves for controlling the said ports, and resilient means acting on said oppositely disposed valves, cam means adapted to be rotated into a pre-set position to act on the valve of the release port to control the distribution of fluid, means to main-



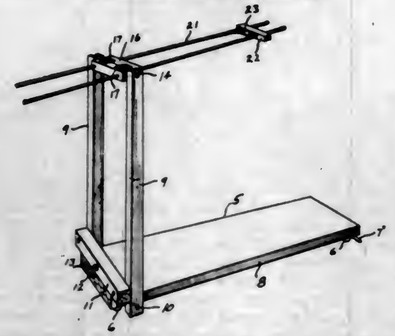
tain the inlet valve closed when the release port is in open position, and means for connecting the casing with a fluid pressure supply.

2,185,326
LATCH FOR METALLIC GRAVE VAULTS
Allen F. Beck, Columbus, Ohio
Application December 10, 1937, Serial No. 179,165
6 Claims. (Cl. 292—48)



1. A base for metallic grave vaults comprising an inverted pan-shaped body formed to include an elevated horizontally extending platform and depending side and end walls, movable latch members projecting through the side walls of said base, a depressed boss extension formed in said platform, a one-piece latch operating lever directly secured for pivotal movement on the under side of said boss, said lever including an operating extremity projecting beyond one of said end walls, and a pair of oppositely extending link members having their inner ends connected with said lever on opposite sides of its pivotal mounting, the outer ends of said link members being directly connected with said latch members.

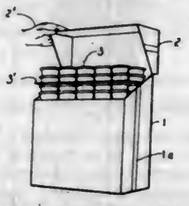
2,185,327
YARN WINDER
Abram P. Bell, Los Angeles, Calif.
Application October 14, 1938, Serial No. 235,047
2 Claims. (Cl. 242—111)



1. A yarn holder comprising a base, a frame pivoted to the base and carrying two spaced

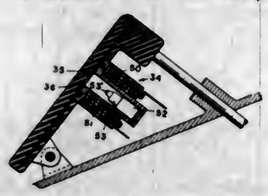
supports adapted to be swung in a vertical position and locked, a block formed of two members hinged together and clamping a shaft between the same forming trunnions removably mounted in the upper ends of the supports, two spaced rods carried by each section of the block, and an adjustable member mounted on each pair of rods and spanning the space between the same.

2,185,328
SELF-CLOSING BOX FOR SHIPPING AND DISPENSING ICE-CREAM CONES
Garry G. Buttermann, Louisville, Ky.
Application May 23, 1938, Serial No. 209,614
1 Claim. (Cl. 229—51)



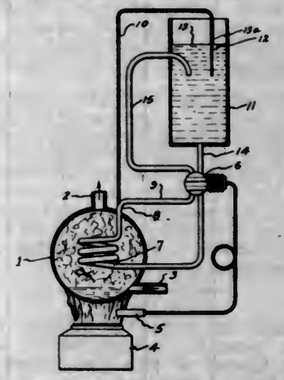
In a self-closing paper-board box, of the character described, for packing, shipping and dispensing ice-cream cones, front, back and side walls therefor; a long, narrow attachment-lapel provided with an open, transverse slit and connected with the outer, vertical edge of the back-wall of the box and adapted to be glued to the inner side of the back vertical edge of the opposite side-wall; a lid low-cut along its front outline, by means of a long slit and short perforated lines continuous therewith, at either end thereof reaching across the front-wall of the box; a straight scoring line running across the back-wall of the box, a short distance below the top thereof and designed as the hinge of the lid; slanting slits and short perforated lines continuous therewith, in the side-walls of the box, running from the opposite ends of said scoring line to the adjacent ends of said low-cut outline of the lid; and means for safely packing ice-cream cones in said box.

2,185,329
TACTUAL SIGNAL
Stuart H. Caldwell, Detroit, Mich., assignor to Kelch Heater Company, Detroit, Mich., a corporation of Michigan
Application August 31, 1936, Serial No. 98,810
6 Claims. (Cl. 177—324)



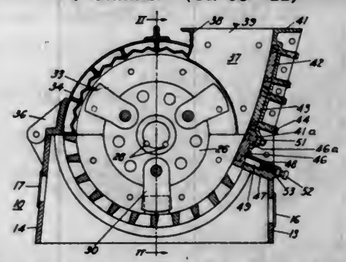
6. A tactual signal for a motor vehicle comprising a control pedal having a flat metal plate, resilient tread material overlying said plate and adapted to be engaged by the foot of an operator, a striker assembly mounted directly to the rear of said plate, said striker assembly comprising a solenoid having a movable plunger and a striker element normally spaced from said plate and movable by said plunger in striking relation to said plate.

2,185,330
COOLING SYSTEM FOR REFRIGERATORS
John E. Cochran, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application July 7, 1937, Serial No. 152,397
3 Claims. (Cl. 62—5)



1. A water cooling system for a refrigerator of the intermittent absorption type having a generator absorber containing a cooling coil which has its normal inlet and outlet closed during the heating cycle only, a water supply reservoir, the bottom of which is above the level of the top of the generator absorber, a tube extending from the reservoir to the inlet at the bottom of said coil, a tube extending from the outlet of said coil to the reservoir and connected thereto above the bottom thereof, and means for venting steam formed in said coil and for condensing said steam comprising a branch tube extending from said last noted tube and having a discharge nozzle extending below the normal water level in said reservoir.

2,185,331
PULVERIZER
Robert D. Conway, Cedar Rapids, Iowa, assignor to Universal Crusher Company, Cedar Rapids, Iowa, a corporation of Delaware
Application April 26, 1937, Serial No. 138,901
7 Claims. (Cl. 83—11)



1. In a hammer mill, a hopper, a front plate for the hopper the front plate being recessed at the inner face thereof and having an extending hollow flange at the outer face and at the lowermost portion thereof, wear plates secured at the upper portion of the inner recess, another wear plate pivotally secured at its upper edge to a point near the lowermost portion of the recess, a plurality of blocks mounted in the extending flange of the front plate and adapted to support the last named wear plate, and means for adjustably positioning the blocks and the wear plate comprising a plurality of bolt members.

2,185,332
REFRIGERATION
David Crampton, Montclair, N. J.
No Drawing. Application October 27, 1938, Serial No. 237,273
8 Claims. (Cl. 252—5)

1. A refrigerant, comprising a volatile liquid of the type in which water is difficultly soluble and minor proportions of a metallic alcoholate and a solvent for the alcoholate miscible with the refrigerant to absorb any water and acid present.

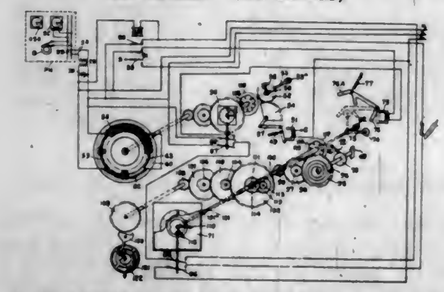
8. A dehydrating and acid-neutralizing reagent for volatile refrigerants of the type in which water is difficultly soluble, comprising a solution of a metallic alcoholate in a mixture of methyl alcohol to increase the solubility of the water in the refrigerant and an alcohol selected from the group consisting of butyl alcohol, cyclohexanol and 2-ethoxy ethanol, to aid the solution of the alcoholate in the lubricating oil used in the refrigerating system.

2,185,333
METHOD OF MAKING BRAKE BLOCKS
Harry B. Denman, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan
Application August 1, 1936, Serial No. 93,901
6 Claims. (Cl. 18—55)



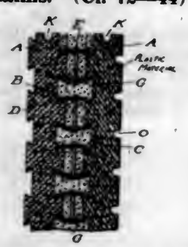
1. The method of making a brake block or lining which comprises mixing together asbestos fibers and comminuted cork, wetting the surfaces of the cork and fibers with a wetting agent which is a solvent for a synthetic resin, incorporating in said mixture a partially reacted synthetic resin in granular state soluble in said wetting agent and subjecting the mixture to heat and pressure.

2,185,334
CLOCK SETTING MEANS
Oscar H. Dicke, Rochester, N. Y.
Application June 5, 1934, Serial No. 729,080
22 Claims. (Cl. 58—35)



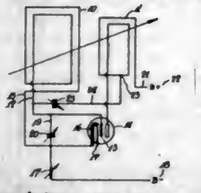
1. In a system for indicating correct time, the combination with a mechanical escapement, stored energy means for driving said escapement, time manifesting means frictionally connected to said escapement, a light and power distribution system delivering alternating current at a fixed average rate of cycles, a synchronous motor operated continuously by current distributed by said system, and means operated by said motor for after each of successive equal time intervals setting said time manifesting means, said means being at least temporarily rendered ineffective after a temporary cessation of alternating current.

2,185,335
STRUCTURAL MEMBER
Albert C. Fischer, Chicago, Ill.
Application April 5, 1937, Serial No. 135,139
13 Claims. (Cl. 72—44)



1. A structural member formed of a plastic material subject to cold flow having a plurality of keys in the opposite faces thereof filled with a cementitious substance harder than said plastic material operating to prevent distortion of said member.

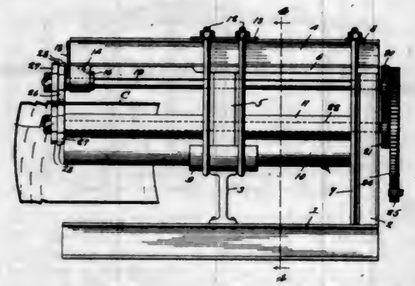
2,185,336
RADIO RECEIVING SYSTEM
Gennaro V. Gerardi, Boston, Mass.
Application July 8, 1938, Serial No. 218,041
9 Claims. (Cl. 250—20)



1. A radio receiving system comprising an enclosed compact aerial arrangement having an outer loop and an inner loop independently rotatably mounted inside of each other and an electron tube having grid, filament and plate electrodes, the end connections of the outer loop being connected to the grid and filament electrodes and the end connections of the inner loop being connected to the plate and to the positive plate voltage supply, and said inner loop having an intermediate tap connection to the grid, said tap connection being to a portion of the inner loop intermediate of the ends thereof, and said tap connection including a tuning condenser for said inner loop.

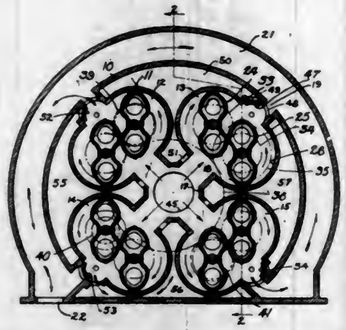
2,185,337
MACHINE FOR SLITTING WELL CASINGS AND THE LIKE
George E. Green, Plainview, Tex.
Application January 7, 1938, Serial No. 183,910
1 Claim. (Cl. 153—2)

A machine for slitting tubular well casings or the like including spaced beams constituting a bed, an upstanding frame on one end of the bed, and a transverse beam mounted on and connecting the beams of the bed and constituting a bracket, an arm overlying the bed and extending from the end of the frame, a beam overlying the end frame and the bed, a spacing block interposed between said beam and the transverse beam, means for tying together said top beam, end frame and bed, means for tying together said top beam, spacing block and transverse beam or bracket, superposed shafts journalled in the end frame, the upper shaft being mounted for up and down swinging movement, both of the shafts being extended through the spacing block, means for simultaneously rotating the shafts in opposite directions respectively and at the same speed, rotatable means supported by the top beam at that end remote from the frame for adjustably supporting the upper shaft, the lower shaft being extended along and projecting beyond the



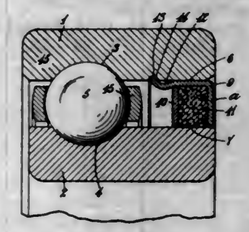
arm on the end frame, and a pair of cutting disks on one end of each shaft, the disks of each pair overlying the disks of the other pair, each disk having spaced cutting blades, the blades of the disks of one pair being beveled oppositely to the blades of the disks of the other pair and all of the blades cooperating to form spaced slits in a well casing or the like placed around the lower shaft of the arm and between the said disks, said blades also cooperating to displace outwardly material between the slits, all displaced portions being inclined outwardly toward the same end of the casing.

2,185,338
FLUID HANDLING APPARATUS
Ernest C. Hassler, Connersville, Ind., assignor to Roots-Connersville Blower Corporation, Connersville, Ind., a corporation of Indiana
Application March 11, 1938, Serial No. 195,236
9 Claims. (Cl. 103—126)



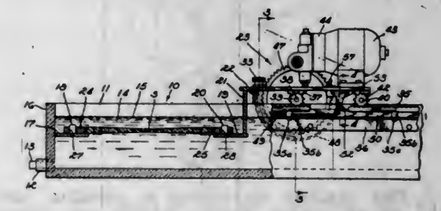
1. Fluid handling apparatus of the character described comprising a casing having a series of chambers more than two in number, a drive shaft rotatably mounted in said casing with its axis at a substantially central axial location respecting all of said chambers and with the chambers grouped on several sides of the axis of said shaft, a pair of lobed intermeshing impellers in each of said chambers rotatable about axes that are parallel to and spaced from the axis of said drive shaft, and means operably interconnecting the impellers of all of said chambers to said drive shaft.

2,185,339
ANTIFRICTION BEARING
Fred Osgood Hickling, Nottingham, England, assignor to Ransome and Marles Bearing Company Limited, Newark-on-Trent, England, a British company
Application August 26, 1937, Serial No. 161,130
In Great Britain September 21, 1936
2 Claims. (Cl. 308—187.2)



1. A grease seal for antifriction bearings of the type including outer and inner bearing rings, with an interposed antifriction bearing, the rings laterally of the bearing being ground inwardly of their free edges and on proximate faces, the seal including a metallic housing made up of an L-shaped member having a material length axially of the housing and cooperating directly with the ground surface of the outer bearing ring, a disk bearing against the inner surface of the L-shaped housing in parallelism to the lateral leg of such housing, and a sealing pad arranged between the lateral leg of the L-shaped member and the disk and bearing on the ground surface of the inner bearing ring to provide a seal, the cooperation of the axial portion of the L-shaped member of the housing and the ground surface of the ring serving as a seal against leakage and to maintain an even intimate frictional cooperation between the L-shaped member and the outer ring to maintain said L-shaped member in exact predetermined relation to the antifriction element in all conditions of use.

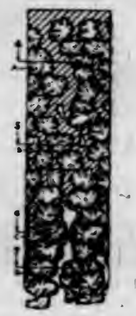
2,185,340
DUCTILITY TESTING APPARATUS
Charles S. Howe, Pasadena, Calif., assignor to Industrial Developments Incorporated, Los Angeles, Calif., a corporation
Application October 1, 1938, Serial No. 232,850
6 Claims. (Cl. 265—12)



2. A ductility testing device of the character described, comprising: a tank; at least one rail on each side of the tank, at least one of said rails being in the form of a rack; a carriage; wheel

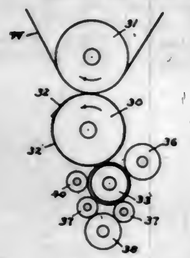
means supporting the carriage on said rails; driving means carried by the carriage for engagement with said rack; a motor mounted on the carriage and operatively connected with said driving means; means fixed within the tank to engage one portion of a test sample; and means on the carriage to engage an opposite portion of the test sample, whereby the sample may be stretched by movement of the carriage.

2,185,341
PAVING
Milton H. Irvine, Los Angeles, Calif., assignor of one-third to Frederick R. Paulsen, Los Angeles, Calif., and one-third to Stanley D. March, San Pedro, Calif.
Application December 28, 1936, Serial No. 117,785
1 Claim. (Cl. 94—23)



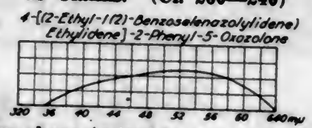
The method of making a road in situ from granular road forming material comprising applying successive applications of approximately ¼ to ⅛ gallon per square yard of an asphaltic cut back which has a Saybolt furol viscosity at 77° F. of from 30 to 130 and allowing each application to cure partially before making the next application whereby successive applications will penetrate deeper until the upper stratum is completely saturated.

2,185,342
METHOD AND MEANS FOR INKING A PRINTING FORM
George M. Keller, Rochester, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application July 28, 1937, Serial No. 156,207
37 Claims. Cl. 101—350)

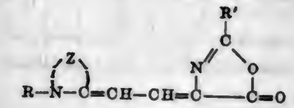


1. The method of inking a printing form through an inking system having ink rollers, which consists in supplying ink directly to or removing excess ink from an area of a selected ink roller whereby the requisite quantity of ink is supplied to the inking system.

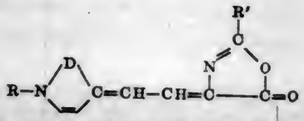
2,185,343
POLYMETHINE DYES AND PROCESS FOR PREPARING THEM
Grafton H. Keyes and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 14, 1937, Serial No. 163,782
In Great Britain September 15, 1936
10 Claims. (Cl. 260—240)



1. A dye characterized by one of the following formulas:

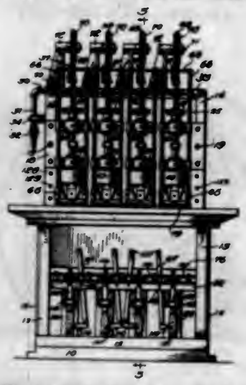


and



wherein D represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of pyridine nuclei and quinoline nuclei, R represents an alkyl group, R' represents an organic group selected from the group consisting of alkyl groups and aryl groups containing from one to two benzene rings and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five-membered and six-membered heterocyclic organic nuclei.

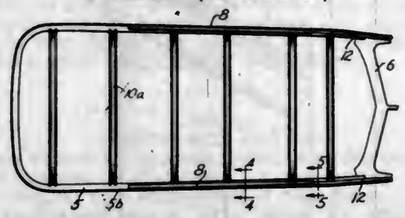
2,185,344
GRINDING APPARATUS
Albert Breakenridge Knight, Fairmont, W. Va.
Application July 8, 1936, Serial No. 89,631
13 Claims. (Cl. 51—125)



1. A grinding apparatus comprising a vertical rotatable spindle, a grinding stone supported at the lower end of said spindle, a glassware receiving chuck arranged beneath said stone, means for supplying water to the edge of an article of glassware supported by said chuck against the lower face of said stone, a stationary water trough arranged beneath said chuck, an upstanding

bearing carried by said trough, and a rod vertically movable in said bearing and supporting said chuck.

2,185,345
AUTOMOBILE BODY ROOF FRAME STRUCTURE
Peter O. Krogh, Lima, Ohio, assignor to Superior Body Company, Lima, Ohio, a corporation of Ohio
Application April 11, 1939, Serial No. 267,279
2 Claims. (Cl. 296—137)



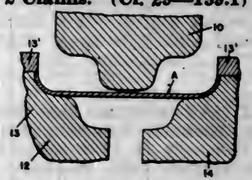
1. An automobile body frame structure having a door opening in a side thereof, a metal roof rail extending across the opening and thereover, and having a horizontal portion and an upstanding outer flange, a hollow metallic bar formed independently of the rail and having its bottom abutting the horizontal part of the rail and its outer side abutting said upstanding flange and secured to one thereof, and bowed metallic cross ribs having ends secured to the horizontal portion of the flange and having their outer sides secured to the inner sides of the hollow bar, whereby a four point contact is had in all between the rail, and the hollow bar, and between the cross ribs, the bar, and the rail.

2,185,346
KEEPER INSERTER
Harry W. Kulp, Lancaster, Pa., assignor to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 13, 1938, Serial No. 201,854
8 Claims. (Cl. 81—3)



5. A keeper inserter comprising a sleeve, a piston mounted for reciprocating movement within said sleeve, and a cross-head mounted on the forward end of said piston, in combination with a pair of opposed non-crossing levers medially pivoted to said cross-head, and connecting links pivotally connected to said sleeve and the respective rear ends of said levers.

2,185,347
METHOD OF FORMING VEHICLE WHEEL RIMS AND THE LIKE
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 28, 1935, Serial No. 47,181
2 Claims. (Cl. 29—159.1)



1. Those steps in the method of manufacturing annular members having a predetermined cross sectional contour which consist in introducing an annular blank between a pair of forming roll sections cooperating in their innermost position to form a continuous contoured surface, flanging the opposite ends of the blank by relatively moving the roll sections toward each other into engagement with the ends of the blank, and rolling the blank upon continued relative movement of the roll sections toward each other by exerting a radial rolling pressure on the blank while the latter is supported on the forming roll sections.

2,185,348
ALUMINUM BASE ALLOY
William E. Mansfield, Garfield Heights, Ohio
No Drawing. Application November 16, 1936, Serial No. 111,065
5 Claims. (Cl. 75—138)

1. An aluminum-antimony-tungsten group metal alloy having a finer grain structure, higher tensile strength and better casting properties than an aluminum-antimony alloy of similar composition, said alloy consisting of antimony in amounts ranging from .05% to 15%, a metal of the tungsten group in effective amounts up to 3%, and the remainder of aluminum and any other metal or metals not subversive of the above characteristics.

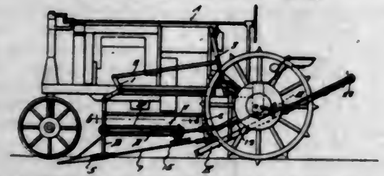
2,185,349
BOTTLE BREAKER
Ralph J. McGill, San Francisco, Calif.
Application October 13, 1937, Serial No. 168,738
3 Claims. (Cl. 83—93)



1. In a bottle breaking tool, a pair of handle members connected together adjacent their ends for relative pivotal movement from open to closed position, each of said handles having an

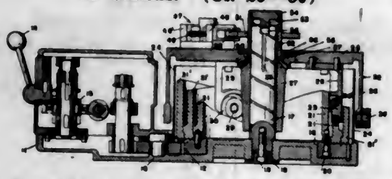
integral portion, which portions may be closed together by movement of the handle members into their open position to define a member insertable into a bottle mouth, a shield of resilient material having an opening therein through which the insertable members are inserted, the size of the opening in said shield and the corresponding portions of said insertable members being such that the insertable members are normally urged by the resilient shield into their closed position.

2,185,350
BEET HARVESTING MACHINE
Guy Michael, Napoleon, Ohio
Application February 14, 1939, Serial No. 256,346
3 Claims. (Cl. 55—108)



1. A beet lifting and topping device comprising a supporting frame a vertically arranged frame depending therefrom, a second vertically arranged frame depending from the supporting frame, a pair of pulleys at the end of each vertical frame, belts passing over the pulleys, lifter members carried by the lower end of the front depending frame, a substantially arranged horizontal frame having its front end pivoted to the first depending frame, rotary knives carried by the rear end of the horzontal frame and acting to cut the tops of beets moved by the belts, a projection carrying chain carried by the horizontal frame and means for actuating the chain, the knives and the belts.

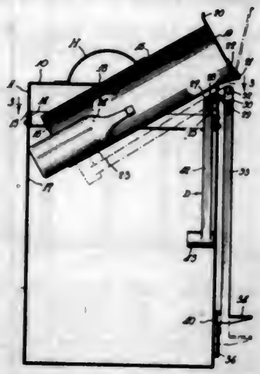
2,185,351
FEEDING AND INDEXING MECHANISM FOR MACHINE TOOLS
Don D. Myers, Toledo, Ohio, assignor to Feedex Corporation, Toledo, Ohio, a corporation of Michigan
Application June 22, 1936, Serial No. 86,670
16 Claims. (Cl. 29—50)



1. A machine of the class described comprising a base, a table mounted on said base for rotary and reciprocating movement relative thereto, means for alternately rotating and reciprocating said table, work clamping means rotatable and reciprocable with said table, cam means on said table for releasing said clamping means, and means for holding said cam means against angular displacement with respect to said base.

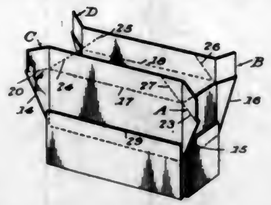
2,185,352
BOTTLE BREAKER DEVICE
Charles F. Peters, Great Kills, Staten Island, N. Y.
Application April 20, 1938, Serial No. 203,018
4 Claims. (Cl. 83—93)

4. A bottle breaker comprising a main receptacle to receive the broken glass, a cover for said main receptacle, a supplemental receiver carried by said cover, and means to break said bottle when placed in said supplemental receiver, the supplemental receiver discharging into the main receiver when the bottle is broken, said last-mentioned means comprising lever means having one inside arm hanging downwardly with-



in the receiver with a lower end portion formed to break the bottle and having another outside arm hanging downwardly outside of the container, with the lower end portion formed to enable actuation thereof, said arms being pivotally connected and pivotally mounted at the upper end of the main receiver, said inside arm being moved upwardly toward the supplemental receiver upon actuation of said outside arm.

2,185,353
METHOD AND APPARATUS FOR PACKAGING
Gilbert G. Platt and George D. Omohundro, Santa Ana, Calif.
Application November 1, 1937, Serial No. 172,242
2 Claims. (Cl. 99—179)

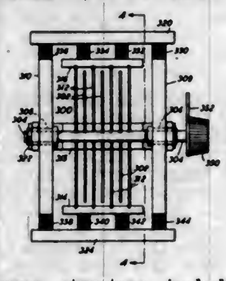


1. In the method of molding and wrapping a block of plastic foodstuffs, the steps comprising supporting within a discontinuous mold structure a prefolded wrapper fashioned from a single flexible sheet to define five surfaces of a parallelepiped, extending wing portions of said folded sheet exterior of and above the discontinuous mold structure, retaining the wrapper in position by folding all the projecting wing portions of the wrapper against two exterior sides of the mold structure, placing the said plastic material within the supported wrapper, folding corresponding pairs of projecting end wing portions over each other and the exterior ends of the mold structure, and by means of a folding operation effecting a non-adhesive engagement between the free edges of the wrapper to enclose completely the plastic foodstuff.

2,185,354
COMPOSITION FOR MOLDING
Silvio Pellerano, Brooklyn, N. Y., assignor to Garfield Manufacturing Company, Garfield, N. J., a corporation of New Jersey
No Drawing. Application March 13, 1937, Serial No. 130,675
19 Claims. (Cl. 260—28)

1. A molding composition containing substantially 180 to 190 parts by weight of a binder made up of substantially 8 to 16 parts of oil, 16 to 30 parts of a coumarone-indene resin, 4 to 8 parts of glycerol-phthalate resin, 40 to 80 parts of pitch, 12 to 24 parts of solvent, and substantially from 500 to 800 parts of inert filler mixed with a small percentage of a plasticizer.

2,185,355
REACTANCE DEVICE
Glen Peterson, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,365
5 Claims. (Cl. 175—41.5)



1. A condsenser structure including stator plates, rotor plates, a shaft secured substantially axially perpendicular to the planes of said rotor plates, a stator frame secured substantially axially perpendicular to the planes of said stator plates, end plates pivotally supporting said shaft and disposed substantially perpendicular thereto, said end plates and said stator frame having substantially coplanar surfaces disposed substantially equidistant from the axis of said shaft, a supporting plate having a surface disposed substantially parallel to said coplanar surfaces, and substantially equal length and parallel insulating pillars disposed between and secured to said coplanar surfaces and said surface of said supporting plate, said stator plates, stator frame, shaft, end plates and supporting plates being composed of the same metallic material having substantially the same temperature coefficient of expansion, and said insulating pillars having substantially equal overall temperature coefficients of expansion along said equal length dimension thereof.

2,185,356
COMPOSITE MATERIAL
Harold F. Robertson, Coraopolis, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application January 25, 1933, Serial No. 653,484
3 Claims. (Cl. 154—46)

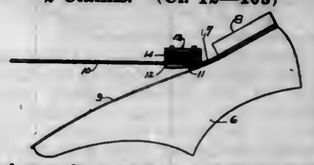
1. Composite material comprising a pervious base sheet of fibrous material coated to render it substantially greaseproof and waterproof on at least one surface by a smooth, continuous, impervious, preformed film of vinyl resin composition having a thickness from about 0.0006 inch to about 0.001 inch in which the vinyl resin is substantially identical with a resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of a lower aliphatic acid and containing about 80% by weight of vinyl halide, said surface of the base sheet and said vinyl resin-containing film being firmly bonded in permanently fused union so that said resin does not strike through or substantially impregnate said base sheet, in the absence of a solvent for such resin, by heat and pressure at a temperature below about 130° C. and at a pressure not more than about 250 pounds per square inch, and said base sheet being unaltered in its fibrous structure.

2,185,357
RAIL JOINT CONNECTION
Max Rüping, Frankfort-on-the-Main, Germany
Application July 28, 1937, Serial No. 156,051
In Germany August 8, 1936
6 Claims. (Cl. 238—168)



1. A rail joint connection comprising two sleepers, a bridge plate resting at its ends upon said sleepers, said bridge plate comprising a rigid straight frame and having a longitudinal mid-portion integral with the solid ends and side bars separated from said mid-portion said mid-portion being curved downwardly to form a cradle-like carrier, two abutting rails supported on and secured to said bridge plate ends, respectively, fish plates connecting said abutting rails, and an expansion assembly inserted between the cradle-like carrier and the flanges of the adjacent rail ends, said expansion assembly including a transversely adjustable wedge and an upper expansion plate contacting said adjustable wedge with a correspondingly tapered lower surface and being secured against transverse displacements between the straight side bars of said frame.

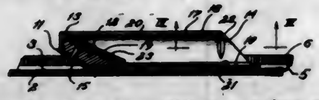
2,185,358
SHOEMAKER'S CLAMP
Robert A. Simpson, Colorado Springs, Colo.
Application May 22, 1939, Serial No. 275,018
2 Claims. (Cl. 12—103)



1. A clamp for use in cementing halfsoles to shanks of shoes comprising a longitudinally concavo convex jaw member having its ends provided with inwardly extending notches, eye bolts positioned with their eyes in the notches, pivot pins passing through the ends of the jaw member and through the eyes to attach the eye bolts thereto, a second jaw member having a concave surface of substantially the same curvature as the convex surface of the first jaw member, one end of the second jaw member having a hole for the reception of one of the eye bolts, the other end of the second jaw member having a notch

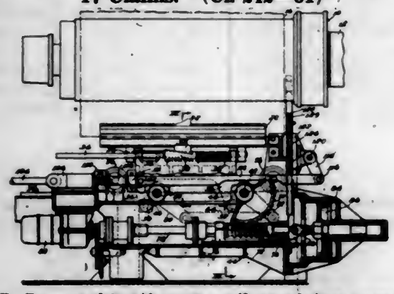
for the reception of the other eye bolt, the latter being movable into and out of said notch by a swinging movement about its pivot, the first mentioned jaw member having a wedge shape cross section, a resilient pad attached to the concave surface of the second jaw member, and nuts on the bolts for adjusting the position of the jaws relative to each other.

2,185,359
COIN PURSE
Nels H. Swanson, Chicago, Ill.
Application April 25, 1938, Serial No. 203,989
6 Claims. (Cl. 150—37)



1. A coin purse comprising a casing, means for holding the casing closed, a flexible hinge flap secured in the casing, and a denominational coin holder secured to the hinge flap, said holder having inclined bottoms and tops, and also being provided with a plurality of adjacently positioned coin slots of different sizes for coins of different denomination and with coin guide grooves formed with detents near the outer ends thereof for retaining coins within the coin holder, said inclined bottoms positioning the coins in inclined overlapping relationship and said inclined tops providing coin rests in the holder to facilitate the insertion of coins therein.

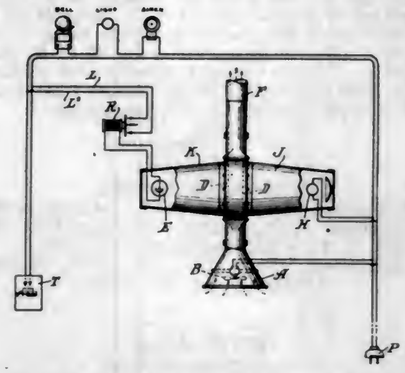
2,185,360
COIL STRIPPER
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1936, Serial No. 76,963
17 Claims. (Cl. 242—81)



17. In combination, a coil-receiving member, power driven means for adjusting the initial vertical height of the member, power means for moving the member through a vertical distance in addition to the initial adjustment which distance is substantially the same and regardless of the initial adjustment, and means for moving the member horizontally.

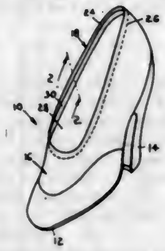
2,185,361
FIRE DETECTOR
Ralph C. Towne, Beacon, N. Y.
Application August 26, 1936, Serial No. 97,901
2 Claims. (Cl. 177—311)

2. The combination of a cylindrically-shaped casing, the flat ends of which are constituted of walls of light permeable material and the annular portion of which is provided with an intake duct and exhaust duct forming a means of ingress and egress, respectively, through such annular portion of the casing, means disposed in said inlet duct for drawing air, and smoke when present in said air, through said inlet duct and forcing such gaseous mixture into said casing, baffles contained in said exhaust duct to produce a greater concentration of smoke in said casing than is present at that time in the atmosphere



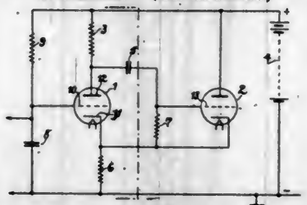
and together with said cylindrically-shaped casing to cause the gaseous mixture to move turbulently within said casing, a source of light positioned exteriorly of said casing and arranged to throw light beams through said walls of light-permeable material and the interior of said casing and light-sensitive means positioned exteriorly on the opposite side of said casing and arranged to receive the light beams passing through the casing from said light source.

2,185,362
SHOE
Seymour Troy, New York, N. Y.
Application August 16, 1937, Serial No. 159,239
2 Claims. (Cl 36—45)



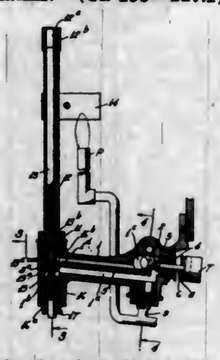
1. A shoe comprising an upper having elastic and inelastic parts in integral relation, said elastic part being disposed at the marginal edge portion of the shoe opening and comprising composite elastic material, said composite elastic material including an outer layer of thin leather having a continuous outer surface and an inner layer of elastic material adhesively united to the inner surface of said leather layer throughout the contiguous surfaces of said layers, said leather layer in said marginal portion of said elastic part being sufficiently thin to stretch substantially and contract with said inner layer, said elastic layer being in stretched condition when said leather layer is in unstressed condition, whereby a non-wrinkling outer surface results.

2,185,363
THERMIONIC VALVE CIRCUITS
Eric Lawrence Casling White, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application December 8, 1937, Serial No. 178,640
In Great Britain December 12, 1936
6 Claims. (Cl. 250—36)



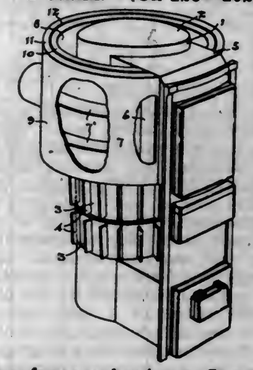
1. A circuit for producing current and voltage variations of saw-tooth wave form comprising a first and a second discharge device each including at least a cathode, a control electrode and an anode, means including a common resistance for connecting said cathodes to the negative terminal of a source of potential, resistance means for connecting the control electrode of said second device to said cathodes, means including a condenser for connecting the anode of said first device to the control electrode of said second device, means for connecting the anode of said second device to said source of potential, means including a resistance for connecting the anode of said first device to said source of potential, a condenser and a resistance connected in series across the source of potential, and means for connecting the control electrode of said first device to the junction of said last named resistance and condenser.

2,185,364
COMBINED AUTOMATIC AND MANUALLY CONTROLLED SAFETY VALVE
John S. Andrews, Los Angeles, Calif.
Application June 18, 1937, Serial No. 148,931
6 Claims. (Cl. 158—117.1)



1. In a combined automatic and manually controlled safety valve mechanism, a thermostatically controlled lever positioned on a slight incline to the horizontal and pivotally mounted near its higher end, a casing in which said lever is mounted provided with an enlarged chamber at the free end of said lever, a valve seat positioned in the upper side of said casing surrounding the inlet to said valve above the extended free end of said lever, a ball valve interposed between said seat and said lever and resting on said lever, and a plunger member shiftably mounted in said casing and extending outwardly thereof arranged to engage said ball valve for shifting it along said lever and wedging it between the upper wall of said chamber and said lever.

2,185,365
HEATING FURNACE
Lawrence L. Anthes, Frederick E. Ellis, and George E. Pallister, Toronto, Ontario, Canada, assignors to Anthes Foundry Limited, Toronto, Ontario, Canada
Application July 2, 1937, Serial No. 151,560
In Canada July 17, 1936
1 Claim. (Cl. 126—102)



A heating furnace having a flue drum formed of cylindrically walled sections of different diameters spaced apart the one within the other and having respectively inturned and out-turned integral end closure flanges at each end welded together at their peripheral edges in a peripheral zone medially of the cylindrical wall portions, said inturned and out-turned flanges each having well rounded strain-relieving fillet connections with the respective cylindrical walls extending in continuous peripheral paths about the ends of the flue drum to impart resiliency to the structure and whereby the welded joints will be subjected to the minimum strain on the relative expansion and contraction of said cylindrical walled sections.

2,185,366
GAME APPARATUS
Harvey C. Bartholomew, Los Angeles, Calif.
Application June 21, 1938, Serial No. 214,925
2 Claims. (Cl. 273—144)



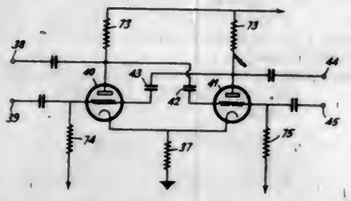
1. In a device of the character described, a casing defining an enclosure and having a restricted extension communicating therewith with a threaded end, said casing, extension and threaded end being formed of two halves, said halves having inter-engaging hook-like projections adapted to disengage upon relative lateral movement of the halves, a nut engaging the threaded end for holding the halves against relative lateral movement, thereby preventing separation of said projections, and rolling elements in the casing.

2,185,367

THERMIONIC VALVE AMPLIFYING CIRCUIT

Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England, a British company

Application June 24, 1937, Serial No. 150,033
In Great Britain July 4, 1936
3 Claims. (Cl. 179—171)



1. An amplifier circuit comprising a pair of thermionic discharge tubes, each including a cathode, a control electrode and an anode, means including a resistance for connecting the cathodes to a negative source of potential, means for maintaining the control electrodes at a predetermined potential, means including a resistance connected to each anode for maintaining the anodes positive with respect to said cathodes, a condenser connected between the anode of each tube and the control electrode of the other tube, said condensers being of a value equal to the magnitude of the anode-control electrode capacity of the tubes, means for applying an input signal between the control electrode and another electrode of one of the tubes, and an output circuit connected to the other tube.

2,185,368

PROCESS OF MAKING A POTATO STARCH PRODUCT

William Spencer Bowen, Westfield, N. J.

No Drawing. Application July 7, 1937, Serial No. 152,369
6 Claims. (Cl. 99—91)

1. The process of making a dextrinized bread improving starch composition comprising cooking starchy material to partially gelatinize the starch, mixing the cooked material with a slightly acid solution containing mono-calcium phosphate, calcium sulphate and ammonium chloride, heating the mixture to partially dextrinize the starch and drying the mixture.

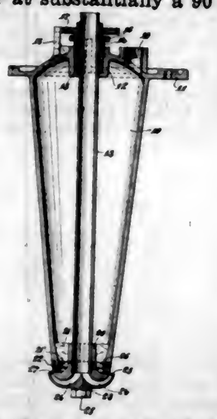
2,185,369

ATOMIZER DEVICE

William Spencer Bowen, Westfield, N. J.

Application February 26, 1938, Serial No. 192,869
9 Claims. (Cl. 299—141)

9. An atomizing device comprising a pressure chamber, means for supplying gas to the pressure chamber, a nozzle having a substantially horizontal upper surface cooperating with said chamber to form means for directing a current of gas radially from the atomizer and across the said upper surface, a conduit on the nozzle extending through the chamber, means for supplying a fluid to be atomized to the conduit, an annular trough in the upper surface immediately adjacent the edge thereof, said trough being positioned outwardly of and immediately adjacent to the gas directing means, a passageway between the conduit and the trough for providing a flow of fluid to the trough, said flow into the trough being perpendicular to the upper surface and causing a rising annular column of fluid to meet the stream of air at substantially a 90 degree angle,



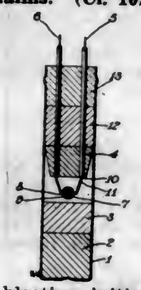
whereby the fluid is atomized in a highly dispersed condition.

2,185,370

ELECTRIC INITIATOR

Lawton A. Burrows, Wenonah, and Walter E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 14, 1937 Serial No. 136,743
12 Claims. (Cl. 102—10)



1. An electric blasting initiator comprising a loaded shell, a plug disposed in said shell, a pair of leg wires extending into said shell through said plug with their ends disposed below said said plug, an electric filament disposed between the ends of said leg wires electrically connecting said ends, a coated bead of ignition material spaced from the said plug and suspended on said filament, the coating on said bead comprising a hard, substantially non-flexible pressure-resistant material of a hard, solidified melt completely coating said bead of ignition material, said coating material being characterized by a sharp solidification point above normal temperatures.

2,185,371

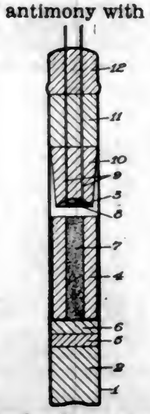
DELAY COMPOSITION

Lawton A. Burrows, Wenonah, and Walter E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 18, 1937, Serial No. 148,948
8 Claims. (Cl. 52—15)

6. A delay detonator wherein the delay element is charged with a delay composition of predetermined burning speed consisting of non-explosive ingredients including an oxidizing agent

and an alloy of antimony with at least one metal



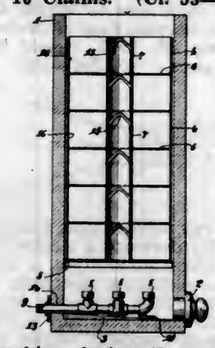
whose heat of combustion per unit volume is substantially different from that of antimony.

2,185,372

STEAM COOKER

Orville Gano, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J., a corporation of Idaho

Application April 28, 1938, Serial No. 204,793
10 Claims. (Cl. 53—2)



1. In a cooking device, the combination of a container adapted to hold water, at least one receptacle for material to be cooked removably disposed in said container in spaced relation to the bottom of the container, means in said receptacle forming a vertical channel centrally of the receptacle, and means for injecting heated vapor into water contained in the container, said means being positioned beneath said receptacle and outwardly of the said channel.

8. A method of cooking materials such as vegetables and the like comprising positioning said materials about a central vertical channel in a vessel filled with cold water, and injecting heated vapor into the vessel beneath the materials so that the water is heated gradually and flows upwardly through the central channel and downwardly through the materials.

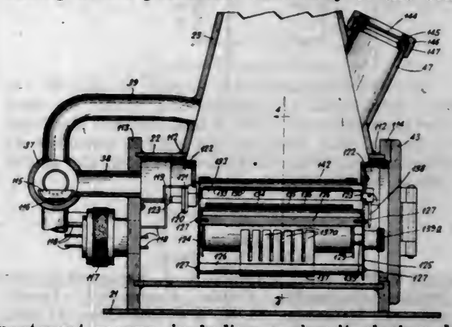
2,185,373

OSCILLOGRAPH APPARATUS

Roscoe Henry George, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 14, 1929, Serial No. 392,591. Divided and this application July 7, 1937, Serial No. 152,287
1 Claim. (Cl. 177—311)

A signalling system for indicating successive transpositions of predetermined equal portions of a length of photographic film comprising an hermetically sealed compartment, a frame structure in said compartment, a pair of film spools between which the film may be transferred, means for positioning said spools in said frame structure, means externally of the compartment for rotating one of said spools, at least one idler roller positioned in said frame for frictionally engaging and for guiding said film, an electric signalling device positioned externally of the com-



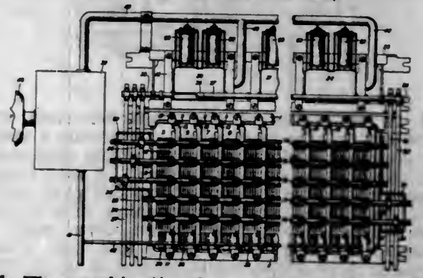
partment means, including a circuit closing device within the compartment for operating said signalling device in accordance with the degree of rotation of said idler roller, said circuit closing device comprising a circuit closing member mounted on said idler roller and a stationary circuit closing member attached to the wall of the compartment, and a closure for one end of said compartment through which the frame structure may be removed from the compartment to permit changing the film.

2,185,374

SELECTIVE SWITCH

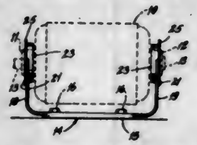
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 13, 1936, Serial No. 110,622
5 Claims. (Cl. 179—27.54)



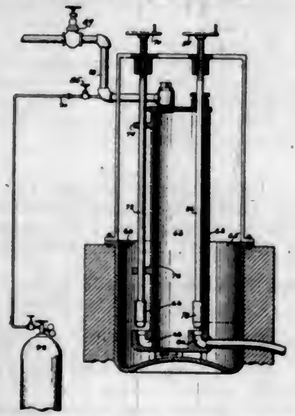
1. The combination in a switch of a plurality of contact sets, a pneumatic reservoir, a stationary member, two movable members forming with said stationary member two opposed bellows chambers, a bar connected to said movable members and operable in response to the movement thereof, pneumatic tubes interconnecting said reservoir and said bellows chambers, means effective normally for maintaining a balanced pressure relation between said chambers to hold said bar in its normal position, means for unbalancing the pressure relation between said chambers to cause the movement of said movable members and said bar, and means controlled by said bar for causing the selective operation of said contact sets.

2,185,375
MOTOR SUPPORT
Joseph J. Janca, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application July 29, 1937, Serial No. 156,348
3 Claims. (Cl. 248—26)



1. In a motor mounting, a pair of spaced, resilient standards, an open-ended cradle on each of the standards, to receive and support the hubs of a motor, and snap-acting means operable by displacement of the standards to hold the motor in place within the cradles.

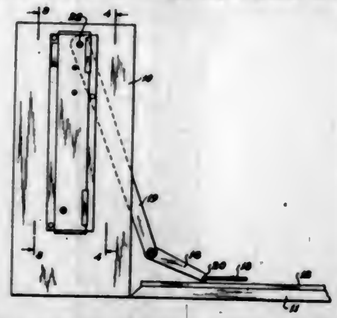
2,185,376
MELTING POT
Daniel V. McParlin, Passaic, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 5, 1936, Serial No. 114,330
6 Claims. (Cl. 207—1)



1. In apparatus of the class described, the combination of a melting pot comprising a melting chamber, a closed chamber within said melting chamber, a port in the wall of said closed chamber, a valve for controlling said port, manually operated means for opening and closing said valve, whereby the molten metal may be charged in individual charges into said closed chamber from beneath the surface of the molten mass in the melting chamber, and means for placing each charge under vacuum in the closed chamber.

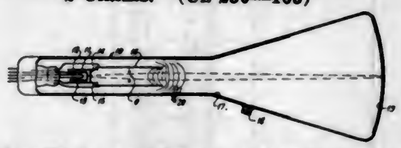
2,185,377
COUPLED RANGE FINDER
Oscar Liebmann, Bergenfield, N. J., assignor to Q. O. S. Corporation, New York, N. Y., a corporation of New York
Application July 20, 1939, Serial No. 285,527
6 Claims. (Cl. 95—44)

1. In a coupled range finder of the character described comprising a fixed, semi-transparent reflector; a rotatable reflector located in optical relationship to said fixed reflector; a housing surrounding both reflectors; two substantially square windows in said housing, one in front of each reflector; a hollow base supporting said housing; a plurality of spring loaded levers lo-



cated in said hollow base; a sliding cam interposed between said levers, and a linked lever coupling said spring loaded levers, cam and rotatable reflector to the camera carriage.

2,185,378
ELECTRON GUN FOR CATHODE RAY TUBES
Ioury G. Maloff, Norristown, Pa., David W. Epstein, Merchantville, and Karl R. Wendt, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 26, 1937, Serial No. 150,432
2 Claims. (Cl. 250—163)

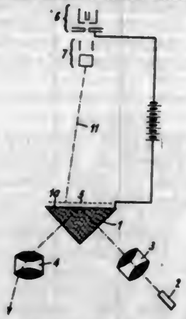


1. A cathode ray tube comprising an envelope, electron means for developing a cathode ray beam comprising an electron emitter, a control electrode and an accelerating electrode, said accelerating electrode having a greater diameter than the control electrode, a centrally perforated disc member positioned coaxially within said control electrode and spaced from one end thereof a distance such that the maximum diameter of the developed beam in diverging is maintained less than the diameter of the accelerating electrode, the accelerating electrode comprising a cylindrical member of uniform bore throughout its length and positioned coaxial with respect to the developed beam and overlapping at least a portion of said control electrode.

2,185,379
ELECTRICALLY CONTROLLED LIGHT VALVE APPARATUS
Leonard Morris Myers, Yorkshire, and Ernest Frederick Goodenough, Essex, England, assignors to Radio Corporation of America, a corporation of Delaware
Application November 18, 1936, Serial No. 111,342
In Great Britain November 20, 1935
6 Claims. (Cl. 178—7.7)

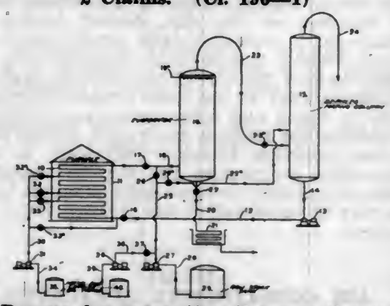
1. An electrically controlled light valve comprising a totally reflecting prism whose totally reflecting face is optically polished, a plurality of small crystals positioned in optical contact with the totally reflecting face of said prism, and means for scanning the totally reflecting surface with an electron beam whereby the electrostatic

state of charge of the minute crystals relative to the optical surface and to each other is changed in accordance with said beam, said elec-



trostatic forces being adapted to move said crystals and vary the optical characteristics of the totally reflecting surface.

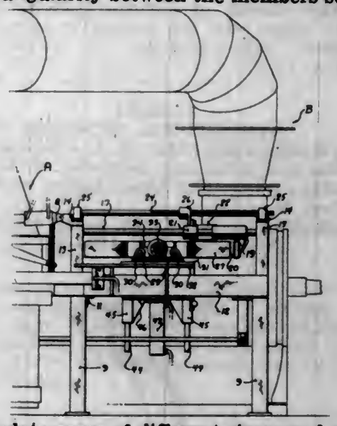
2,185,380
PROCESS FOR PREVENTING THE CORROSIVE ACTION OF SULPHUR-BEARING PETROLEUM HYDROCARBONS
Thomas L. McGee, Rosemead, Calif., assignor to Jenkins Petroleum Process Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1937, Serial No. 167,088
2 Claims. (Cl. 196—1)



1. Process for preventing the corrosive action of sulphur-bearing petroleum hydrocarbons towards the metal of the apparatus in which such hydrocarbons are treated which comprises continuously injecting into said hydrocarbons upon attainment of an initial critical corrosive temperature specific to said hydrocarbons finely divided iron dispersed in a carrier oil of relatively low sulphur content heated to a temperature approximately 150° F. in excess of said initial corrosive temperature and maintaining such contact while said hydrocarbons exist at a corrosive temperature.

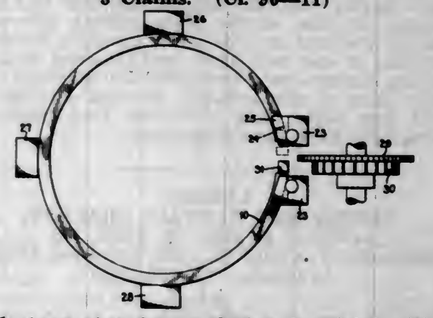
2,185,381
APPARATUS FOR STRAIGHTENING AND SQUARING RADIATOR CORES
Hans S. Munch and Martin G. Boerger, Racine, Wis., assignors to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Original application September 16, 1936, Serial No. 101,102, now Patent No. 2,154,104, dated April 11, 1939. Divided and this application July 20, 1938, Serial No. 220,291
9 Claims. (Cl. 153—48)

1. An apparatus for straightening and squaring radiator cores comprising: a plurality of flat pressure applying members; means mounting said pressure applying members so that they form a rectangle and act inwardly with relation to the center of the rectangle; means for adjusting the pressure applying members without affecting the relative angularity between the members so as to



accommodate cores of different sizes; and means for actuating certain of the pressure applying members to clamp a core located in the space defined by said members.

2,185,382
APPARATUS FOR MAKING PISTON RINGS
Robert S. Newton, Watertown, N. Y., assignor to The New York Air Brake Company, New York, N. Y., a corporation of New Jersey
Original application January 22, 1934, Serial No. 707,675. Divided and this application February 24, 1937, Serial No. 127,358
3 Claims. (Cl. 90—11)



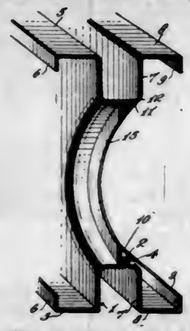
1. Apparatus for producing lap joint piston rings comprising means for severing an oversize ring and forming a leg on one end thereof, means for cutting off a portion of the other end of said ring, and means for positioning said ring relative to said cutting off means to provide a ring of predetermined circumferential length, said last named means including a stop member engaging said formed leg and a plurality of fixed guides disposed around and engaging the body of said ring.

2,185,383
PREPARATION OF LEVO-ASCORBIC ACID
Richard Pasternack, Brooklyn, and Gordon O. Cragwall, East Williston, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application April 28, 1937, Serial No. 139,454
7 Claims. (Cl. 260—344)

1. Process of converting 2-keto-levo-gulonic

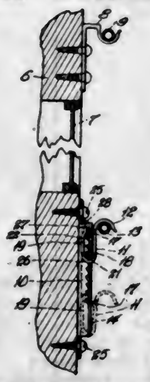
acid and its readily hydrolyzable derivatives to levo-ascorbic acid by the combined action of a solvent capable of reacting with the hydroxyl groups of the 2-keto-levo-gulonic acid and a sufficient amount of concentrated hydrochloric acid to make with the protective solvent a hydrochloric acid solution of twice normal strength.

2,185,384
STRUCTURAL MEMBER
Albert Rafter, Glen Ridge, N. J., assignor to Rafter Machine Company, Belleville, N. J., a partnership composed of Albert Rafter and John C. Rafter, Jr.
Application April 20, 1938, Serial No. 203,022
4 Claims. (Cl. 189—37)



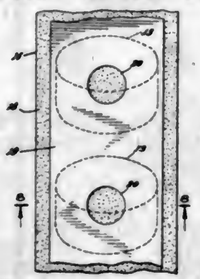
1. In a structural member for building construction, a first metal plate and a second metal plate, said plates being spaced apart and provided with a plurality of spaced apertures, flanges surrounding said apertures, the flanges on the first plate having inwardly directed portions and the flanges on the second plate having inturned flanges abutting one side of the inwardly directed portions of said first plate, said inturned flanges having portions bent outwardly and abutting the other sides of said inwardly directed portions of said first plate, said outwardly bent portions being bent back upon themselves.

2,185,385
ADJUSTABLE CURTAIN BRACKET
Lawrence J. Rose, St. Louis, Mo.
Application February 12, 1937, Serial No. 125,439
4 Claims. (Cl. 248—265)



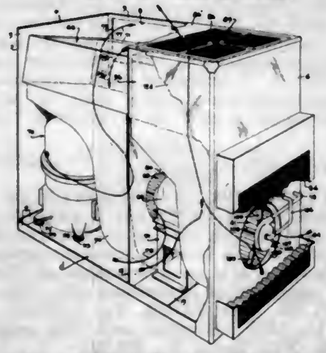
4. A curtain bracket comprising a longitudinally slotted housing having pressed-out ratchet teeth formed on the outer surface of the housing on each side of the slot, and an adjustable curtain rod holder made of a resilient material mounted in said housing and having side disposed projecting parts for engaging cooperation with the teeth on one side thereof, and said holder having another part for sliding contact with the teeth on the other side thereof.

2,185,386
SAMPLING DEVICE
Joseph E. Valentine, Plainfield, N. J.
Application March 22, 1938, Serial No. 197,415
1 Claim. (Cl. 132—78.5)



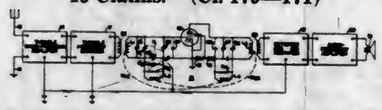
A method of manufacturing powder sampling devices which comprises applying a thermoplastic material inactive as an adherent under normal temperatures but having adhesive properties when heated, applying a templet to the said member on the side thereof having the thermo-plastic material under conditions of said material being substantially nonadherent, the templet having holes at predetermined positions, applying powder at the said predetermined positions by filling said holes, removing the templet and leaving the powder, applying a second member and applying pressure and heat to areas surrounding the powder and thereby completely sealing the powder between said members except as it may be permitted to sift through one of said members.

2,185,387
AIR CONDITIONING APPARATUS
Alfred Weiland and Joseph R. Zwickl, Philadelphia, Pa., assignors to Baldwin-Southwark Corporation, a corporation of Delaware
Application June 11, 1936, Serial No. 84,758
21 Claims. (Cl. 62—129)



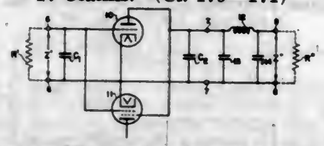
1. A room cooler unit comprising, in combination, a base; sheet metal walls forming two substantially vertically extending compartments; the first of said compartments having a heat exchange element, a vertical air flow duct and a blower for circulating air through said duct and over said heat exchange element; the second of said compartments having a compressor, a heat exchange element, a vertical air flow duct and a blower for circulating air over said compressor and heat exchange element; and each of said compartments having an inlet and an outlet communicating with the ducts disposed in the respective compartments, the duct in the second compartment having a laterally extending portion forming substantially a sub-compartment within which the compressor is disposed.

2,185,388
BAND-PASS SELECTOR SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation of America, a corporation of Delaware
Application July 29, 1937, Serial No. 156,295
19 Claims. (Cl. 179—171)



1. A band-pass selector system for passing a band of frequencies, comprising tuned terminal circuits, repeater means having a variable transconductance coupling said circuits in one direction, and means for effectively coupling into said terminal circuits reactances variable in accordance with said transconductance, thereby to vary the selectivity of said system.

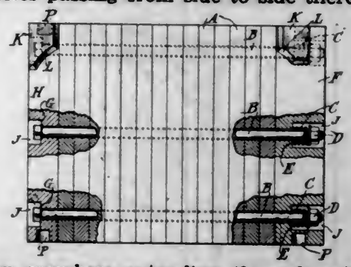
2,185,389
FEEDBACK AMPLIFIER FILTER
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 9, 1938, Serial No. 206,718
17 Claims. (Cl. 179—171)



1. A wave filter network comprising a first filter section having a predetermined image impedance at one end and an active second filter section comprising input and output pairs of terminals, a reactance arm individual to and coupled to each of said pairs of terminals, unidirective coupling means between said arms primarily transconductive in the direction of coupling, and means coupling said arms with opposite polarity in the other direction, whereby said second filter section has a predetermined pass band and a predetermined image impedance across one of said pairs of terminals, said one of said pairs of terminals being coupled to said end of said first filter section, said coupling means being so proportioned with respect to the reactive constants of said arms that the image impedance of said second filter section matches the image impedance of said first section at their junction.

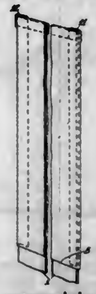
2,185,390
STOOL FOR MOLDS FOR CASTING METAL
Charles H. Aldrich, Elizabeth, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application April 6, 1937, Serial No. 135,218
1 Claim. (Cl. 22—139)

A stool for molds for casting metals or the like comprising a series of individual sections comprising elongated flat sections assembled with their flat sides abutting and with their top and bottom faces in flush relation, said sections having holes passing from side to side thereof, and



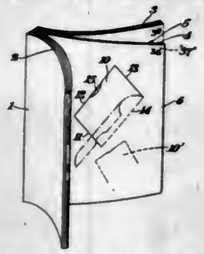
tension members extending through said holes to fasten said sections together in a unitary platform structure, said sections having similar top and bottom faces to provide a stool which can be used in reversed position without removing any of the sections.

2,185,391
CONTAINER AND BLANK THEREFOR
Albert S. Allen, Greenburgh, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 17, 1934, Serial No. 720,927
Renewed August 11, 1937
3 Claims. (Cl. 229—3.5)



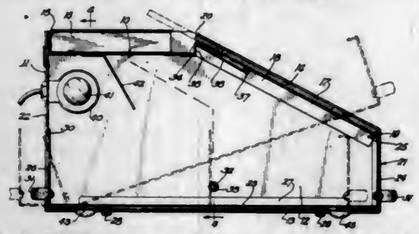
2. A container comprising a body portion formed from a blank comprising an absorbent sheet material of a length to be formed into a plurality of layers when convolutely wound, a covering of an oilproof and greaseproof material on one side of said absorbent sheet material, said oilproof and greaseproof material extending over a portion of the length of said absorbent material and back-folded over at least the edge of the absorbent material which is to be exposed on the interior of the container when the blank is convolutely wound and also back-folded over the edges of said absorbent material which is to constitute the top and bottom edges of the container, said blank being convolutely wound to form a body portion formed of a plurality of layers of said absorbent material and in which body portion the oilproof and greaseproof material constitutes a liner on the interior exposed surface of the body portion and overlaps on the first-mentioned back-folded portion thereof only, and end portions secured to the top and bottom edges respectively of the body member, said end portions having flanges of a depth to aid in inhibiting the creeping of the packaged oily contents around the top and bottom edges of the body portion.

2,185,392
ADVERTISING NOVELTY
Leon H. Amdur, Brooklyn, N. Y.
Application January 18, 1939, Serial No. 251,559
10 Claims. (Cl. 283—6)



1. In a novelty of the class described, a plurality of sheets constituting a book, a pair of successive sheets of which are closed together along the edges thereof, a flap formed in the exposed page of the first of the said pair of sheets adapted to be folded back to expose the reverse side of the flap and the inner page of the second of the said pair of sheets, and a flap formed in the said second sheet adapted to be folded back to expose the reverse side of the flap and the inner page of the said first sheet.

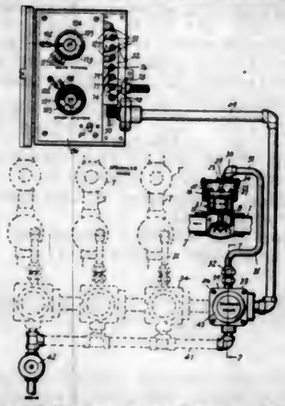
2,185,393
DISPLAY CASE
Charles Ralph Anderson, Rock Island, Ill.
Application January 15, 1937, Serial No. 120,777
11 Claims. (Cl. 312—122)



1. A display case of the character described having a drawer shiftable in its relation to the case proper to provide for withdrawal of the drawer forwardly or rearwardly of the case, the case proper being constructed to prevent the withdrawal of the drawer in either direction when it is arranged for withdrawal in the opposite direction, and means to prevent the drawer from being shifted for withdrawal in the opposite direction.

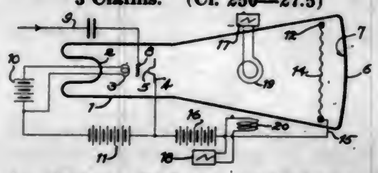
2,185,394
TIMING MECHANISM
Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Company, Elkhart, Ind., a corporation of Indiana
Original application December 13, 1935, Serial No. 54,193. Divided and this application July 9, 1938, Serial No. 218,317
21 Claims. (Cl. 161—7)

1. In an automatic sprinkler control of the type described, the combination of a plurality of solenoids adapted to be sucessively actuated, and timing means controlling the supply of current to said solenoids, comprising a synchronous motor, timing cams driven thereby, sets of timing contacts controlled by said cams, and means including connecting and output conductors respectively electrically connecting said sets together in succession as the cams are actuated by the motor, and electrically connecting each set to one of said solenoids, and return electrical connections from said solenoids whereby current is caused to flow successively through said solenoids for predetermined intervals in accordance with the relative positioning of the cams with reference to one



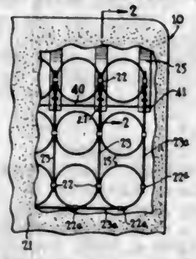
another, said timing cams having delay portions for maintaining each set of contacts in an intermediate position wherein no current flows to the solenoid corresponding thereto nor to a succeeding set of contacts and its corresponding solenoid for a predetermined interval.

2,185,395
APERTURED ELECTRODE FOR THERMIONIC TUBES
Harry S. Bamford, Philadelphia, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application October 31, 1936, Serial No. 108,553
3 Claims. (Cl. 250—27.5)



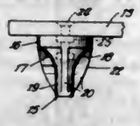
2. An electron discharge tube having an envelope containing an electrode comprising a warp knit fabric of refractory wire stretchable in all directions, and a cooperating electrode.

2,185,396
UPHOLSTERY CONSTRUCTION
Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.
Application December 31, 1936, Serial No. 118,537
2 Claims. (Cl. 155—179)



2. In upholstery construction, a frame, web means for said frame, foundation springs on said web means, a plurality of strip springs each attached at one end to said frame and bent into curved shape, wires connecting the outer convolutions of said foundation springs and having offset portions, said strip springs having openings receiving said offset portion, and a member passing through said offset portions and engaging said strip springs.

2,185,397
ATHLETIC SHOE CLEAT
Grover C. Birchfield, Chicago, Ill.
Application March 18, 1937, Serial No. 131,557
8 Claims. (Cl. 36—59)



1. A molded detachable shoe cleat comprising a core, and vanes extending laterally from said core, said vanes providing relatively sharp edges to facilitate ground penetration and having sufficient area to provide substantial resistance against slippage and rotation.

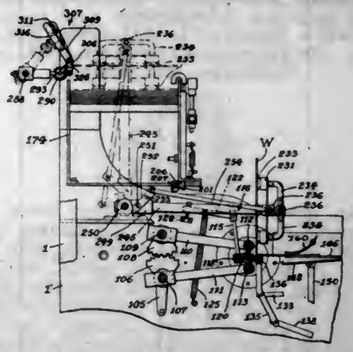
2,185,398
MULTICELLULAR RUBBER TIRE
Jules Brunswick, Paris, France, assignor to Maurice Baudou, Rene Baudou, both of Les Eglisottes (Gironde), France, and himself
Application March 12, 1936, Serial No. 68,470
In France October 10, 1935
5 Claims. (Cl. 152—153)



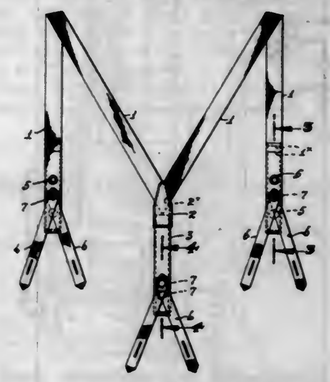
1. In combination a wheel rim having aeration holes formed therein and having a tire-base-engaging portion, a cellular rubber tire comprising an external envelope, a tread on said envelope and a base for connection with said wheel rim, said tire being provided with a plurality of recesses extending transversely to said tread and open at the base of said tire, partitions between said recesses extending at right angles to said tread as far as said base moulded integrally with said envelope, said tire being further provided with a longitudinal channel along its base in communication with said aeration holes of the rim, for cooling the rubber of the tire by circulation of air fed to said channel through said holes.

2,185,399
WINDING MACHINE
Albert B. Carr and Robert H. Fluker, Atlanta, Ga.; said Fluker assignor to said Carr
Application May 19, 1938, Serial No. 208,811
24 Claims. (Cl. 270—27)

1. In a machine for winding calendars and the like articles, the combination of a pair of oppositely disposed laterally spaced winding chucks in substantial axial alignment each having jaws operable to opened and closed position and the jaws of respective chucks being movable toward and away from each other, means common to both chucks constructed and arranged to simultaneously close and open said jaws and to move the said jaws of respective chucks toward and away from each other simultaneously, and laterally spaced feed grippers constructed and arranged to draw said articles to be wound in a substantially horizontal direction into said chuck jaws when open and in horizontal position.



2,185,400
SUSPENDER
Jacob M. Cohen, Brooklyn, N. Y.
Application August 16, 1939, Serial No. 290,449
3 Claims. (Cl. 241—26)



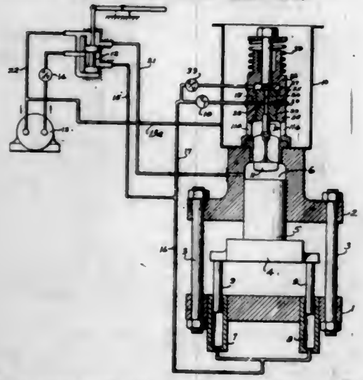
1. A suspender comprising two shoulder strap elements of elastic webbing, one end of each shoulder strap element being stitched to a connecting member, a relatively short strip of webbing secured to said connecting member, a longitudinally extending non-elastic strip stitched to each end section of the shoulder strap webbing element, a plurality of snap fastener elements projected through said end sections and non-extensible strips bonding each shoulder strap element to its non-extensible strip, and a pair of buttoning tabs adapted to be secured to any one of the snap fastener elements carried by a shoulder strap webbing element, each pair of buttoning tabs being formed of a continuous strip of nonelastic webbing folded centrally with two diagonally extending folds, forming two tabs which cross each other below the lines of folds, a snap fastener element passing through the folds and holding them together, the last named snap fastener element being adapted to co-act with any one of the snap fastener elements held by the end section of a shoulder strap webbing element, and a trouser connection carried by said relatively short strip of webbing.

2,185,401
ENVELOPE
Heinrich Dahlhaus, Wuppertal-Elberfeld, Germany
Application January 27, 1937, Serial No. 122,598
In Germany February 7, 1936
12 Claims. (Cl. 229—80)



1. An envelope having a front panel and a rear panel, one of said panels having thereon a patch of self-gumming adhesive, and an extension on the other of said panels, said extension having a patch of self-gumming adhesive thereon and having an ungummed area, said patches of adhesive lying normally within the envelope and said ungummed area being adapted to separate said patches of adhesive.

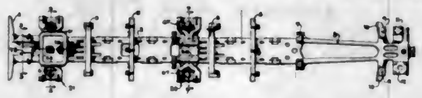
2,185,402
FILLING VALVE
Richard W. Dinzl, Narberth, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application March 4, 1937, Serial No. 128,998
8 Claims. (Cl. 121—38)



1. The combination in a hydraulic press comprising a main ram and cylinder and a return ram cylinder mechanism, a filling tank, a filling valve for controlling communication between said tank and said main cylinder, means constituting a source of fluid pressure for operating said main ram and said return mechanism, operating means for opening said filling valve, and means responsive to opening of the filling valve for thereafter automatically initiating return movement of the main ram.

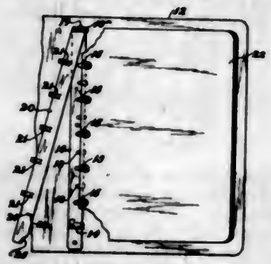
2,185,403
LOCOMOTIVE
Thomas H. Fawcett, Philadelphia, and James C. Maris, Glenolden, Pa.
Application October 29, 1936, Serial No. 108,254
17 Claims. (Cl. 105—172)

1. In combination, a single rigid cast locomotive bed having side frames and connecting cross webs, front and rear pairs of cylinders and steam chests therefor cast integrally with said single bed and located along the outer sides thereof, a set of driving wheel pedestals formed in said side frames between said front and rear pairs of cylinders and another set of driving wheel pedestals also formed in said side frames between said rear cylinders and the rear end of said bed, said sets of pedestals being respectively adapted to receive and guide driving wheel axles arranged in sets which are respectively driven independently of each other from said front and rear pairs of cylinders, said rear pair of cylinders and steam chests therefor being disposed at a longitudinally intermediate portion of the bed and having exhaust passages traversing said side



frames by extending from said rear steam chests inwardly to substantially the center of said bed, the walls of said exhaust passages being cast directly integrally with said side frames where the latter is traversed and terminating in a horizontal outlet at the central portion of the bed, and a vertical transversely extending web connected directly integrally to said outlet and to said side frames, whereby the longitudinally intermediate portion of said frame is adapted to resist longitudinal and torsional stresses incident to power impulses generated in said front and rear pair of cylinders.

2,185,404
LOOSE LEAF BINDER
Fred H. Feldman, Danville, Ill.
Application June 1, 1938, Serial No. 211,283
2 Claims. (Cl. 129—10)



2. In a loose leaf binder, a cover, a stationary member comprising a flat longitudinal body carrying a plurality of ears formed integral therewith extending from one edge thereof and having portions overlying the surface of said body to form guides, an apertured channel formed in one end of said body, a plurality of arcuate elements formed integral with said body, said ears being interspersed between said arcuate elements; means for securing said stationary member to said cover; a separable member carrying a plurality of arcuate elements adapted to cooperate with said first arcuate elements to form binder rings when said separable member is positioned on said body and engaged by said ears, a tongue formed on one end of said separable member adapted to engage the aperture in said channel for associating said separable member with said stationary member in temporary pivotal relation, and locking means comprised of an L-shaped tab formed integral with said stationary member and overlying the surface thereof and raised portions formed in said separable member adapted to be engaged by said L-shaped tab to secure the members together when said separable member completely overlies the body of said stationary member.

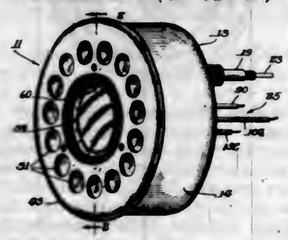
2,185,405
CONVERSION OF OLEFINS INTO VALUABLE HIGHER MOLECULAR PRODUCTS
Walter Flemming, Ludwigshafen-on-the-Rhine, and Wilhelm Baumeister, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 8, 1938, Serial No. 212,502. In Germany June 9, 1937
3 Claims. (Cl. 196—10)

1. A process for the conversion of gaseous olefins into valuable liquid hydrocarbon products which comprises subjecting them to polymerization in the presence of an anhydrous halide of aluminum as a polymerization catalyst and of a halogen hydrocarbon having a double carbon linkage as dispersion agent.

2,185,406
PROCESS OF REFINING HYDROCARBON OILS
David F. Gould, Riverton, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 2, 1937, Serial No. 156,947
3 Claims. (Cl. 196—35)

1. A process of refining a hydrocarbon oil from the group consisting of benzol, toluol, xylol, or mixtures thereof, solvent naphtha and drip oil which comprises adding sulfuric acid of a strength not exceeding about 70% H_2SO_4 to said oil, heating the resulting mixture in the liquid phase, thereafter, without neutralizing acidic constituents in the oil, distilling off the oil, and then neutralizing acidic constituents in the resultant oil distillate.

2,185,407
SELECTIVELY OPERABLE AUTOMATIC ADJUSTING MEANS
Mahlon W. Kenney, Oak Park, and Andrew A. Gedde, Chicago, Ill.
Application September 10, 1936, Serial No. 100,156
12 Claims. (Cl. 74—10)



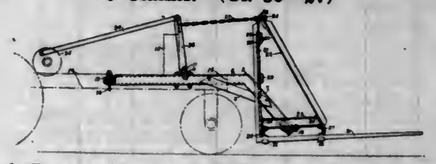
1. Selective adjusting mechanism comprising a manually shiftable element, selectively operable means carried by said manually shiftable element, said selective means comprising a plurality of independent selectors, and a stop element mounted on each of said selectors for movement therewith and relative thereto, each of said stop elements having a portion adjustably connected with said manually shiftable element for adjustment of said stop element relative to said shiftable element within limits to set the mechanism for stoppage at any one of a plurality of possible positions within the range of the selectors, and means selectively cooperating with an operated stop element to stop the manually shiftable element in a predetermined adjusted position which is independent of the direction of movement of said shiftable element.

2,185,408
SEED TREATING MACHINE
Oscar L. Kettenbach, Tucson, Ariz., assignor to Chemical Seed Treating and Delinting Corporation, a corporation of Arizona
Application October 14, 1936, Serial No. 105,457
1 Claim. (Cl. 83—28)



In a seed treating device, in combination, a circumferentially imperforate drum having an inlet end and an outlet end, means to deliver seed and acid into said inlet end, members secured to the interior surface of said drum for mixing said seed and said acid and feeding the resultant mixture toward said outlet end, an annular baffle in said outlet end having a central outlet opening formed therein, a plurality of inclined baffle members having their outer ends secured to the inner periphery of said drum and their inner ends approximately in line with said opening, the active surfaces being curved to present a concave surface to the mixture at said periphery and a convex surface at said discharge opening, and side portions on said members projecting inwardly within the inner limits of said discharge opening, said baffle members also diverging rearwardly from said discharge opening whereby said baffle members may act upon the mixture in a direction opposite to the direction of the feed and cause it to form a heap extending above the lower edge of said discharge opening and to spill outwardly therefrom.

2,185,409
RAKING AND LIFTING ATTACHMENT FOR A TRACTOR
Carl Kimmel, Rockford, Ohio
Application May 20, 1938, Serial No. 209,115
6 Claims. (Cl. 56—27)



1. In a raking and lifting attachment for a tractor which includes a radiator upon a chassis that has a forwardly extending end-portion in front of the radiator, the combination of an approximately horizontal attaching and supporting frame, a substantially upright rake-carrying frame, approximately horizontal rake-teeth secured to the upright frame, and operating means to tilt the rake-carrying frame so as to raise the front ends of the rake-teeth from their raking position, said substantially upright rake-carrying frame being inclusive of two triangular frame-sections each having a base-beam disposed horizontally and provided with a bearing substantially midway between its ends and slightly above said rake-teeth, said approximately horizontal attaching and supporting frame having a downwardly and forwardly inclined front end provided with means to pivotally connect it with said bearings and thereby to support said substantially upright rake-carrying frame in proper relation to be tilted by the said operating means, said approximately horizontal supporting frame being

provided with quickly attaching and detaching means for detachably connecting its rear end to said chassis at points immediately at the lateral sides of said chassis and in the rear of said radiator, and said approximately horizontal supporting frame being inclusive of a supporting structure that is approximately midway between the front end and rear end of said supporting frame and adapted to be seated on said forwardly extending end portion of the said chassis when the said rear end is engaged with its chassis-connecting means, for purposes specified.

2,185,410

METAL COMPOSITIONS

Ernest A. Lederer, Essex Fells, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application September 30, 1938, Serial No. 232,530
17 Claims. (Cl. 250—27.5)

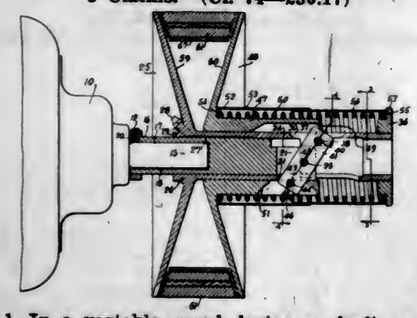
15. A cathode comprising a metal core consisting essentially of a metal which reacts with an oxygen compound of barium beryllium to reduce the compound and liberate free metallic barium at a temperature below the melting point of the core, an oxygen compound of barium and beryllium dispersed throughout said core, a matrix capable of holding said metallic barium comprising an adherent alkaline earth coating on the core, the alkaline earth being crystalline in structure, chemically inert to the barium and having a melting point above the activating temperature of the core.

2,185,411

SPEED VARYING MECHANISM

Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.

Application March 15, 1937, Serial No. 130,843
5 Claims. (Cl. 74—230.17)



1. In a variable speed device, a shaft, a pair of cone-faced discs mounted on said shaft, at least one of said discs being movable axially thereon, a driving element pivotally mounted on said shaft on a pivot axis passing through the vicinity of the axis of rotation of said shaft, one of said discs having a hub slidably mounted relatively to said shaft, said hub having a slotted portion, and means near the end of said driving element for drivingly engaging said slotted portion.

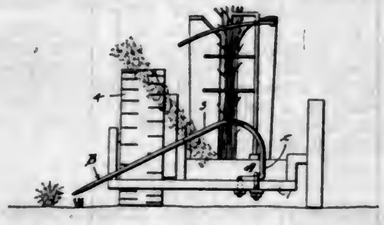
2,185,412

ATTACHMENT FOR CORN HARVESTERS

Alexander J. Maciejko, Turin, N. Y.

Application January 5, 1939, Serial No. 249,489
1 Claim. (Cl. 56—68)

An attachment for a corn harvester comprising an elongated bar possessing a certain degree of inherent resiliency, one end portion of the bar having means for connecting the same to a corn harvester rearwardly of the bundle delivery mechanism and at the grainward side thereof, said bar at said end portion for connection with the harvester having an upstanding straight portion continued by an upwardly curved portion terminating in a downwardly and



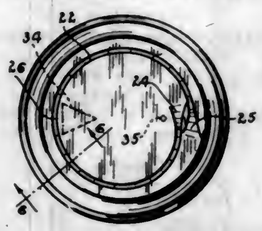
outwardly inclined elongated arm, said arm being of a length, when the attachment is applied, to terminate beyond the stubbleward side of the harvester in close proximity to the ground surface, said elongated arm providing a track along which the butt end portion of a bundle will slide to cause the bundle to be laid upon the ground in a position substantially parallel with the corn row.

2,185,413

SPOUT FOR LIQUID CONTAINERS AND MEANS FOR ATTACHING THE SAME THERETO

Riley C. Masterson, Bremerton, Wash.

Application January 20, 1938, Serial No. 185,911
6 Claims. (Cl. 221—23)



1. A portable dispensing-container having a discharge-port in one of its walls, an interior tubular-bead forming a depressed annular groove in said wall surrounding the port, the ends of said grooves terminating in planes inclined from the bottom of the groove to the wall surface and a detachable, flexible, discharge-spout mounted in said groove.

2,185,414

PROCESS OF TREATING OILS

Robert S. McKinney, Chevy Chase, Md.; dedicated to the free use of the People of the United States of America

No Drawing. Application March 29, 1938, Serial No. 198,698
8 Claims. (Cl. 260—407)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
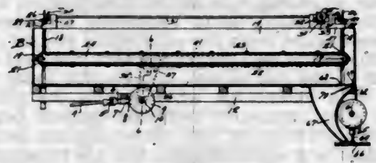
1. The process for increasing the drying properties of weak drying oils and semi-drying oils, which process comprises heating said oils at a temperature of 200° C. to 250° C. for two to eighteen hours with about 0.1% of an alkaline hydroxide.

2,185,415

MACHINE FOR SPREADING PULVERIZED MATERIALS

James E. Miles, Madison, Ind.

Application August 20, 1938, Serial No. 225,995
3 Claims. (Cl. 275—3)



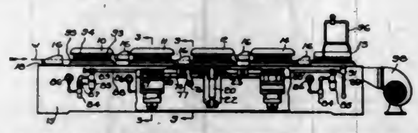
1. An apparatus of the class described comprising a portable body having side walls provided with vertically disposed slots in the opposite end portions thereof, vertically disposed guide members carried by the side walls exteriorly of the body and with which the slots communicate, shafts disposed transversely of the body and extending through the slots into the guide members, bearing blocks within the guide members with which the shafts are engaged, endless members engaged with the shafts, cross cleats connecting the endless members, threaded shanks operatively engaged with the blocks and extending upwardly beyond the guide members, means threading on said shanks for raising and lowering the shanks, and means for rotating the shafts.

2,185,416

WIRE-DRAWING MACHINE

Myles Morgan and Weld Morgan, Worcester, Mass., assignors to Morgan Construction Co., Worcester, Mass., a corporation of Massachusetts

Application March 5, 1937, Serial No. 129,232
22 Claims. (Cl. 205—14)



1. A wire-drawing machine comprising a die, a rotatable drum arranged to draw wire through the die, an oil reservoir, a pump arranged to withdraw oil from the reservoir and having two relatively rotatable parts, means connecting one of said parts to the drum, gears arranged to rotate the other part, means to regulate the pressure of oil discharged by the pump and thereby control the torque applied to the drum, and means to conduct oil discharged by the pump to said gears to lubricate the same.

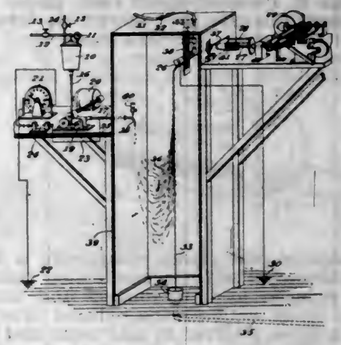
2,185,417

METHOD OF AND APPARATUS FOR FORMING FIBROUS MATERIAL

Charles L. Norton, Boston, Mass.; Charles L. Norton, Jr., New York, N. Y., and Dorothy Norton, Boston, Mass., executors of said Charles L. Norton, deceased

Application June 25, 1937, Serial No. 150,308
11 Claims. (Cl. 18—8)

9. An apparatus for forming a sliver of textile fibres comprising, in combination, means for disruting a spinning liquid into discontinuous fibres in a field of fibre formation, a grounded support, means for progressively withdrawing a sliver of said fibres over said support as it is built up by the collection of successively formed fibres upon a tail of previously formed fibres depending from said support and sliver, and means for progres-



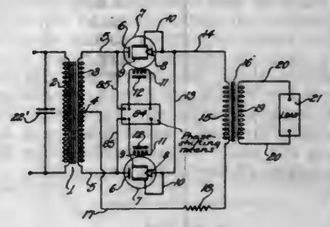
sively wetting said tail with a non-solvent, electrically conductive liquid.

2,185,418

FREQUENCY CHANGER

Wilcox P. Overbeck, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application February 19, 1938, Serial No. 191,507
15 Claims. (Cl. 172—281)

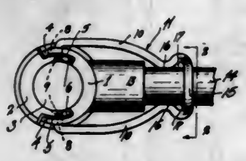


15. A frequency-converting system comprising an input transformer connected to a source of alternating current of a predetermined frequency, said input transformer having a plurality of groups of secondary phases each comprising a plurality of phase windings each connected at one end to a neutral point, each of said windings being connected at its opposite end to a rectifier, so that terminals of one polarity of each of said rectifiers are connected to the outer end of each of said windings and terminals of the opposite polarity are connected together to said neutral point through a common output circuit, each of said rectifiers starting conduction of current at a phase angle substantially displaced beyond

$$\frac{\pi}{2}-\frac{\pi}{n}$$

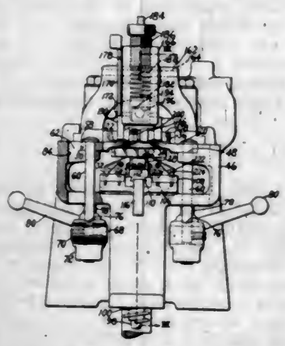
from the start of the normally conducting half of the voltage cycle impressed on the corresponding rectifying phase, and a common output circuit comprising a transformer winding, said frequency-changing units being vectorially displaced from each other by a predetermined phase angle, said output transformer windings being interconnected and likewise being vectorially displaced from each other by a predetermined phase angle, whereby a plural-phase alternating voltage of higher frequency appears across said output transformer windings as a transformer unit, and an alternating current load circuit coupled to said transformer unit.

2,185,419
BATTERY POST CLAMP
Allan R. Packard, Spirit Lake, Idaho
Application July 15, 1939, Serial No. 284,731
6 Claims. (Cl. 173—259)



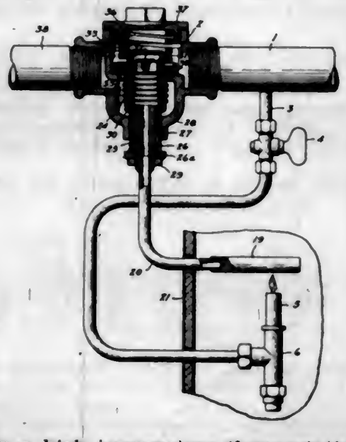
1. A battery post clamp comprising a sleeve having companion sections, one section being internally reduced to form tongues and internal seats, the other section being reduced externally to form tongues received in said seats and overlapped by the tongues of the first sections, the tongues of the first section being formed with openings, a neck extending from one section for receiving a conductor cable, a resilient yoke having a bridge and arms extending therefrom, and portions of said arms being bent inwardly to form fingers passing through the openings of the arms of the first section and rotatably secured through arms of the second section to pivotally mount the yoke, cam disks carried by said fingers eccentric thereto and operating in the openings of the arms of the first section for engaging walls of said openings and shifting the sections relative to each other to expand and contract the sleeve according to the direction in which the yoke is moved, said yoke being of greater length than said neck and having its bridge curved to fit snugly about a cable and its arms bent inwardly adjacent the bridge to form jaws extending inwardly at a downward incline for gripping the cable from opposite sides thereof below the center of the cable.

2,185,420
HEEL-SEAT FITTING MACHINE
John William Pratt, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 21, 1938, Serial No. 214,917
In Great Britain June 30, 1937
16 Claims. (Cl. 12—31.5)



1. A heel-seat fitting machine having, in combination, a matrix plate having a U-shaped opening defined by an edge, a pair of clamps for forcing the opposite lateral margins of the heel-seat portion of a sole against the matrix plate, a bulger having a sole-engaging face for forcing the central part of the heel-seat portion of the sole through the U-shaped opening, means for operating the clamps and the bulger, and a knife for reducing the heel-seat portion of the sole, said sole-engaging face of the bulger when in its operative position being spaced a considerable distance inward from the edge of the matrix plate to form a wide gap through which the heel-seat portion of the sole passes, said clamps being provided with extensions which when the clamps are in their operative positions project beyond adjacent portions of the sole-engaging face of the bulger and across the gap and are constructed and arranged to force portions of the sole located in the vicinity of the gap with considerable pressure through the U-shaped opening and against said edge of the matrix plate.

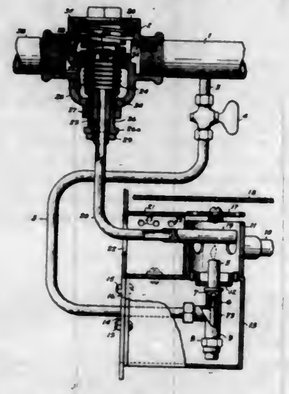
2,185,421
THERMOSTATIC DEVICE
Carl F. Prutton, Cleveland Heights, and John T. Marvin, Fairview Village, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application February 16, 1935, Serial No. 6,816
6 Claims. (Cl. 236—99)



2. In a high temperature thermostatic device of the kind described, a container adapted to be subjected to heat, a filler therefor comprising one of the chlorinated diphenyls that expands upon heating, and means actuated by said expansion.

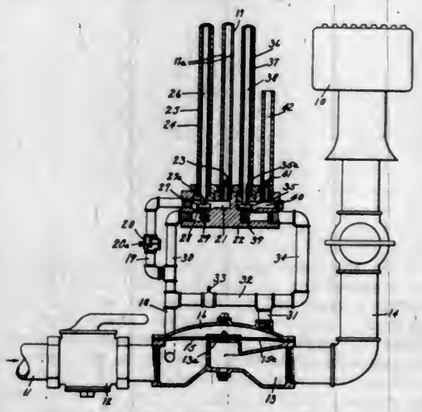
2,185,422
THERMOSTATIC DEVICE
Carl F. Prutton, Cleveland Heights, and John T. Marvin, Fairview Village, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Original application March 24, 1932, Serial No. 600,888. Divided and this application January 14, 1936, Serial No. 59,116
1 Claim. (Cl. 236—99)

In a high temperature thermostatic device of the type including a valve, the combination of a bulb adapted to be subjected to heat, an expansible and contractable chamber connected to the valve for actuating the same, a tube connecting the bulb and chamber, and chlorinated diphenyl oxide filling the bulb, tube and chamber to the exclusion of air as a thermo-responsive liquid, the expansion and contraction of which in response to temperature changes of the



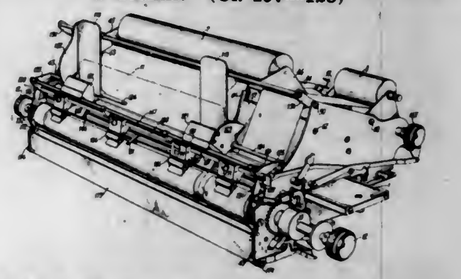
bulb are communicated to the chamber for actuating the valve.

2,185,423
AUTOMATIC SAFETY PILOT
Christian S. Andersen, Warren, Pa., assignor to Pennsylvania Furnace & Iron Co., Warren, Pa., a corporation of Pennsylvania
Application September 8, 1937, Serial No. 162,859
1 Claim. (Cl. 158—117.1)



Burner and valve control mechanism of the character described, comprising a main burner, a gas supply pipe therefor, a vented diaphragm operated controlling valve for said burner, a single body member provided with two discharge chambers and two inlet chambers, two thermostats threaded into said body member, a valve operated by each thermostat and controlling communication between an inlet chamber and a discharge chamber, a pilot burner mounted between the two thermostats and operating both thereof and communicating with one discharge chamber, the other discharge chamber being open to atmosphere, a pipe connecting the pilot burner inlet chamber to said main burner supply pipe, and a pipe connecting the other inlet chamber to the diaphragm pressure relief chamber of said control valve, whereby the pilot flame controls the gas supply to both the pilot burner and the main burner.

2,185,424
PAPER CARRIAGE FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application February 26, 1938, Serial No. 192,675
2 Claims. (Cl. 197—128)



2. In a paper carriage, a front feed mechanism having a chute and a movable guiding means for aiding the insertion of front fed paper, the chute and guiding means being movable from a paper inserting to a closed paper feeding position, and an auxiliary paper chute detachably mounted on the front feed mechanism, for aiding the insertion of front fed paper when the first mentioned chute is in its closed position and the guiding means is in its paper inserting position.

2,185,425
ONE-PIECE ADJUSTABLE STRAP
Max A. Benowitz, Kingston, N. Y.
Application April 1, 1935, Serial No. 14,085
4 Claims. (Cl. 2—237)

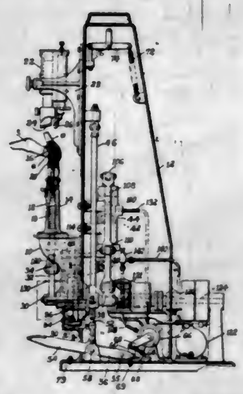


1. A take-up strap for garments comprising a continuous outer strip and a continuous lining strip extending along the inner face of the outer strip, a buckle having a cross bar intermediate its ends and openings at opposite sides of the cross bar through which the intermediate portion of the strap between its ends is threaded across the outer face of the cross bar, an anchor member forming a continuation of the lining strip beyond the juxtaposed end of the outer strip, and being folded around the cross bar at its intermediate portion and having portions extended from the fold toward one end of the strip, and means for attaching said portions of the anchor member to the garment, and for attaching the opposite ends of the strap fixedly to a garment at spaced points thereon.

2,185,426
FASTENING-INSERTING MACHINE
Pincus Brauner, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 7, 1938, Serial No. 239,238
26 Claims. (Cl. 1—32)

1. In a fastening-inserting machine, movable work-pressing mechanism, mechanism movable in co-operation therewith to engage fastenings and insert them in the work, fluid-pressure mechanism arranged to impart movement to both the work-pressing mechanism and the inserting

mechanism, a member for actuation by the operator, and a valve movable by said member to



control the action of the fluid-pressure mechanism.

2,185,427

TREATMENT OF FIBROUS MATERIALS

Karl Brodersen, Matthias Quaedvlieg, and Max Zabel, Dessau in Anhalt, and Albert Schneider, Leipzig, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany,

No Drawing. Application March 4, 1938, Serial No. 193,850. In Germany March 9, 1937

12 Claims. (Cl. 8—17)

1. The process for improving textile fabrics which comprises treating them in a bath containing a water-soluble salt of a polyhydroxyalkylated biguanide of an aliphatic base containing in its molecule at least 10 carbon atoms, said salt being formed with an acid of the group consisting of organic carboxylic acids and organic sulfonic acids.

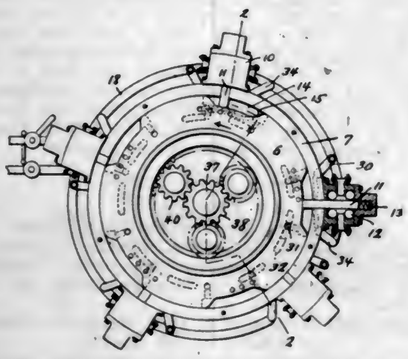
2,185,428

ROTARY ENGINE

Rene Arthur Brunet, Charleston, W. Va.

Application January 28, 1938, Serial No. 187,517

1 Claim. (Cl. 121—77)



A rotary engine comprising a stator, a rotor rotatably mounted within the stator, said rotor being provided with a plurality of pockets in its periphery, a plurality of radially slidable abutments on the stator, spring means for urging said abutments inwardly and against said rotor, the inner ends of the abutments being adapted to ride into the pockets, and means for supplying compressed fluid into the pockets at one side of the abutments to cause movement of the rotor in a given direction, said rotor having curved passages therein, one for each pocket, each passage having one end in communication with the rear end of a pocket and its other end opening out through a side part of the rotor and the adjacent side of the stator having a plurality of grooves therein for communicating with the passages during a portion of the rotary movement of the rotor and exhaust means connected with said grooves.

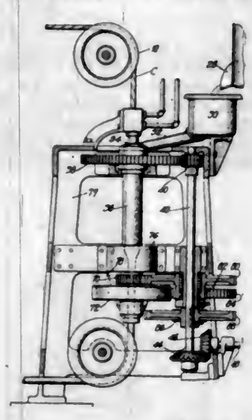
2,185,429

METHOD OF AND APPARATUS FOR APPLYING METAL SHEATHING TO INSULATED CONDUCTORS

James D. Burby, White Plains, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application May 8, 1937, Serial No. 141,424

21 Claims. (Cl. 29—33)



1. In the manufacture of metal sheathed electric conductors, the method which comprises disposing a body of molten metal around a longitudinally moving insulated conductor, circulating a confined cooling medium in heat exchange relationship therewith in the zone intermediate the conductor and the surrounding molten metal, allowing part of the metal to solidify and thus form a tube-like body of greater diameter than the insulated conductor to be covered, feeding said body longitudinally and subjecting it to forces which materially reduce its diameter.

14. Apparatus of the character described comprising a vertically disposed rotatably mounted mold carrying a body of molten metal, a shell extending longitudinally therethrough, a conductor guide within the shell, means for circulating a cooling medium through the shell and in contact with said guide, means for longitudinally feeding the metal solidified in the mold and rotary swaging means effective to reduce the diameter of solidified metal fed from the mold and common driving mechanism for said mold and said swaging means including gearing whereby the longitudinal advance of the solidified metal effected by the rotation of the mold is properly coordinated with the operation of the swaging means.

2,185,430

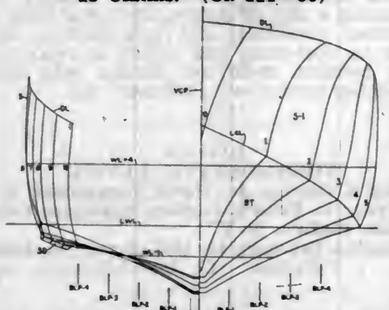
HIGH SPEED DISPLACEMENT TYPE HULL

William Starling Burgess, Wiscasset, Maine, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 30, 1936, Serial No. 93,358

Renewed November 18, 1938

18 Claims. (Cl. 114—56)



1. A hull capable of high speed operation having improved seaworthy characteristics, maneuverability at all speeds and the characteristic of substantially reducing the wetted surface area thereof at speed while maintaining displacement type characteristics at all speeds, said hull comprising in combination, a bottom portion having bottom sections on each side of the plane of symmetry, which sections are concave throughout the length of the hull, said bottom portion being of such curvature that the buttock lines reverse downwardly aft of the center of buoyancy, said bottom sections having angles of deadrise which gradually increase in the afterbody from the stern to amidships and thereafter progressively increase more and more rapidly in the forebody to the stem, said angles of deadrise at all stations being adapted to provide improved seaworthiness and maneuverability characteristics and to maintain displacement characteristics at all speeds, said concave configuration of the bottom sections, reversal of curvature of the buttock lines of the bottom portion and angles of deadrise of the bottom sections all cooperating to provide a substantial reduction of wetted surface at speed while maintaining displacement characteristics at all speeds.

2,185,431

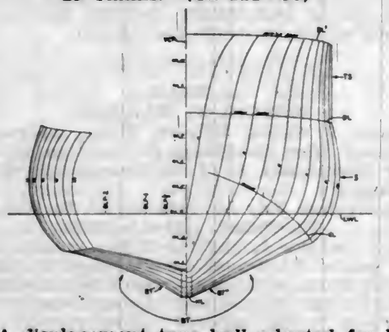
HIGH SPEED DISPLACEMENT TYPE HULL

William Starling Burgess, Wiscasset, Maine, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 3, 1938, Serial No. 188,435

Renewed June 30, 1939

19 Claims. (Cl. 114—56)



1. A displacement type hull adapted for high speed operation with reduction of wetted surface area at speed, said hull comprising a bottom portion intermediate the keel knuckle and chine line, said bottom portion including an afterbody and forebody with a pair of bottom defining sections, one on each side of the vertical center line plane of symmetry, each section defining and affording a warped water contacting surface which at all stations throughout the afterbody is concave in cross-section from the keel knuckle to chine line and which section in cross-section in the forebody gradually diminishes in degree of concavity, then becomes flat and which section at stations in the forebody forward of the flat section and approaching the stem becomes progressively more and more convex in cross-section at successive stations for the purpose described.

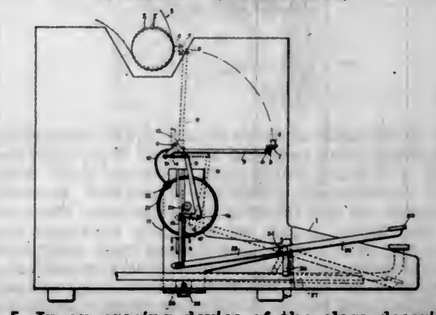
2,185,432

ERASING DEVICE

Norman H. Durst, Moundridge, Kans.

Application January 27, 1937, Serial No. 122,564

6 Claims. (Cl. 197—181)



5. In an erasing device of the class described for use on a typewriter having a platen raising mechanism, a rotatable eraser, means for moving the eraser into erasing position, means for rotating the eraser to perform its eradicating function, and means connected to and operable with said last mentioned means for contacting the platen raising mechanism to agitate the platen during the erasing operation.

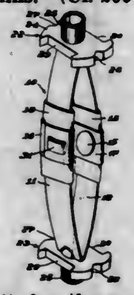
2,185,433

SWITCH

Thomas Legaré Fenn, Newton, and Wilfred J. Turenne, Ashland, Mass.

Application July 2, 1938, Serial No. 217,296

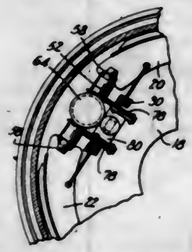
11 Claims. (Cl. 200—137)



1. A switch unit for thermostats or the like comprising a pair of bowed metallic leaf springs arranged with their concave sides opposed, said springs each having a semi-cylindrical concavo-convex extension at each end the concave sides of which face inward in said assembly, whereby

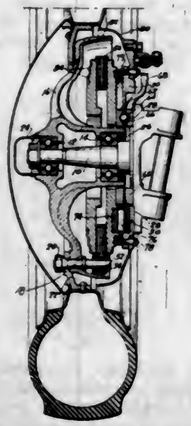
said concavo-convex extensions meet in pairs to form tubular extensions at each end of the assembled pair of springs, means co-acting with each said extension to maintain the two springs in the relation described, and opposed, normally disengaged electrical contacts associated one with each of said springs on the concaved face thereof.

2,185,434
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application January 15, 1937, Serial No. 120,651
5 Claims. (Cl. 188—79.5)



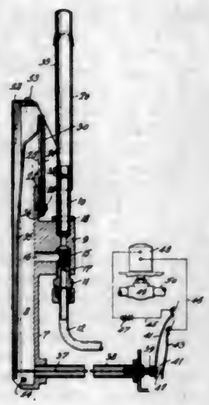
1. A shiftable anchorage type brake comprising a backing plate carrying a pair of shoes provided with a floating connection between their ends, said connection including a bracket movably mounted on the backing plate between the ends of the shoes, a pair of plungers arranged end to end in said bracket and having their outer ends engaging the ends of the shoes, and an adjuster mounted in said bracket transversely of said plungers and which is operable from outside the backing plate to force said plungers apart, in combination with centering means mounted on the backing plate and acting on said bracket.

2,185,435
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 26, 1937, Serial No. 144,929
12 Claims. (Cl. 188—72)



1. In a disc brake, a fixed backing plate, a stationary friction disc secured to said backing plate in spaced relation thereto, a second friction disc between said first named disc and plate, a brake plate adapted for rotation between said discs, anti-friction wedge means for forcing said second friction disc upon slight rotation in either direction toward said fixed disc, resilient means urging the discs apart, and an applying device between the second disc and the backing plate comprising a pair of collars, one being fixed and the other rotatable, and anti-friction wedge means for spreading said collars on relative rotation between them, for forcing said second named disc toward said stationary disc.

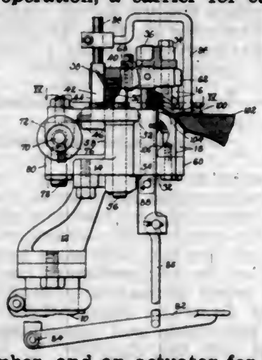
2,185,436
THERMOSTATIC DEVICE
William S. Gordon, Jr., North Tonawanda, N. Y., assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y.
Application February 19, 1937, Serial No. 126,688
7 Claims. (Cl. 158—117.1)



1. A thermostatic device including a support, a burner mounted on said support, a thermostat comprising a pair of strips of similar metal having their opposite ends rigidly secured to each other and having one of the ends of said strips secured to said support with one of said strips facing said burner and positioned between said burner and the other strip to shield said other strip from the heat of said burner, means for directing a current of cooling air to said other strip to dissipate heat therefrom, and means connected with the other end of said strips for transmitting movement of said other end when said strip facing said burner becomes heated to a greater extent than said other strip.

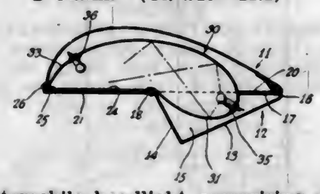
2,185,437
NOTCHING MACHINE
Charles J. Gross, Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 14, 1938, Serial No. 219,142
11 Claims. (Cl. 12—83.5)

1. A machine for cutting surplus material from the lasting margin of a shoe upper having in combination a plurality of notching cutters each of which comprises a pair of shear members one of which is fixed and the other movable, said fixed shear member being constructed and arranged to support the lasting margin for the notching operation, a carrier for each movable



shear member, and an actuator for the movable shear members.

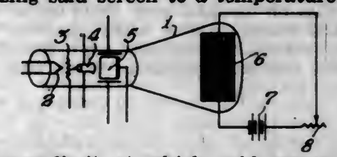
2,185,438
AUTOMOBILE HEADLIGHT
Paul Albert Herman, New York, N. Y.
Application April 26, 1938, Serial No. 204,299
1 Claim. (Cl. 240—41.1)



An automobile headlight comprising a casing made of an upper and a lower shell, the lower shell comprising an upwardly and rearwardly inclined triangular wall, and an upwardly and forwardly inclined wall extending from the lower end of said first wall, and substantially triangular side walls connecting said first mentioned walls of said shell and diverging inwardly toward the rear, said shell being open at the top, the upper shell being open at the bottom, and being substantially of the shape of half an egg cut through the longitudinal axis, the upper rim edge of the lower shell being attached to the rear half of the lower rim edge of the upper shell, the opening between the lower shell and the forward half of the upper shell being closed by a light transmitting plate, a reflector within said casing having a curved portion of U-shape longitudinal cross-section, disposed within the lower shell and the rear portion of the upper shell, said reflector having a forwardly and downwardly curved portion disposed above said plate, a lamp within said reflector mounted on said portion above said plate whereby light from said lamp is transmitted through said plate and some of the rays therefrom strike said upwardly and forwardly inclined wall and are reflected by the latter.

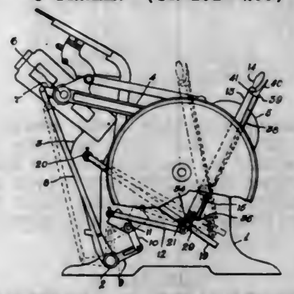
2,185,439
METHOD FOR OPTIONALLY ALTERING THE AFTER-GLOW PERIOD OF PHOSPHORESCENT SCREENS
Heinrich Hinderer, Berlin Zehlendorf, Germany, assignor to the firm Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application November 6, 1936, Serial No. 109,592
In Germany November 28, 1935
5 Claims. (Cl. 250—27.5)

1. The method of operating a cathode ray tube having a luminescent screen which comprises polarizing said screen to a temperature equal to



the upper limit at which said screen remains phosphorescent, and bombarding said screen with cathode rays to produce a fluorescent response.

2,185,440
PLATEN PRINTING PRESS
Lawrence R. Johnson, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application December 1, 1937, Serial No. 177,610
3 Claims. (Cl. 101—299)

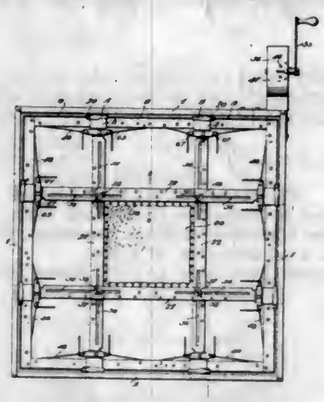


1. In a printing press of the Gordon type, pneumatic suction means for the sheet-feeding mechanism of said press, a throw-off lever, and means responsive to failure of the suction in said suction means for moving said throw-off lever into operative position, said means comprising a bar pivotally secured to the bed of the press and having an opening therein, a shoulder on said bar, a cylinder slidably mounted in said lever and operative to engage said shoulder when said lever is in operative position, a plunger reciprocal in said cylinder and provided with a protruding end, spring means operative on said plunger to urge said end to enter said opening in said bar, a bushing mounted in said cylinder and adjustable to vary the compression of said spring means when said plunger is retracted, and a suction line connecting the suction feed device of the press with said bushing.

2,185,441
PELT STRETCHING APPARATUS
Casimir F. Jureczki, Bandera, Tex.
Application September 6, 1938, Serial No. 228,658
8 Claims. (Cl. 149—21)

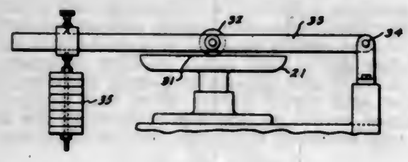
1. In a pelt stretching apparatus, a rectangular body frame, bracket members slidably mounted on said body frame, said bracket members being arranged in correlated pairs, the members of the respective pairs being disposed in opposed relation to each other on opposite sides of said body frame, crossed pairs of stretcher bars detachably mounted at their opposite ends on the respective correlated pairs of bracket members, said stretcher bars having a slot-and-bolt engagement with each other whereby to be releasably locked in adjusted relation to each other, means for marginally attaching a pelt to the adjacent portions of said crossed stretcher bars within a central area defined by said bars, and means for actuating said bracket members in

opposite directions on said body frame whereby to move said stretcher bars in their paired and crossed relation toward and from each other, said means comprising a main operator cable looped rectangularly about said main body frame, a reversely rotatable winding drum, the oppo-



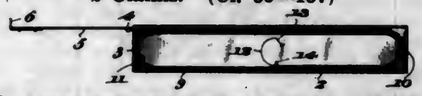
site end portions of said main operator cable being attached to said drum whereby the one portion is wound on the drum as the other portion is unwound therefrom, and looped auxiliary operator cables connecting said main operator cable to the respective bracket members.

2,185,442
PROCESS OF MAKING A DISPERSING MECHANISM
Adolph F. Krauss, River Forest, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Original application August 14, 1936, Serial No. 96,124. Divided and this application June 3, 1937, Serial No. 146,259
2 Claims. (Cl. 29—157)



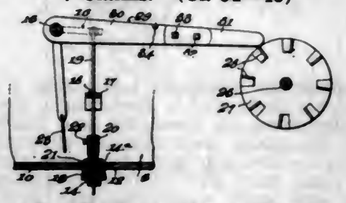
1. A process of producing, using and maintaining a head for making fine, filamentary materials which comprises making a rotating head in at least two parts having edges adapted to be brought together with a tight and accurate fit, and forming in one of said edges minute indentations of the order of about .003 inch in cross section by bringing against said edge a knurling tool under pressure, afterward assembling the parts of said head with said edges in juxtaposition, whereby said indentations provide minute passageways between said edges, rotating said head, introducing therein material to be reduced to filamentary form, causing said material to pass out through said passageways until said passageways have become enlarged, then disassembling said head, lapping at least the said edge which contained the enlarged indentations so as to remove them, then re-indenting said edge as before, and reassembling the parts of said head for further use.

2,185,443
STEEL BAND MEASURE
Paul Herbert Kreutz, Berlin, Germany
Application November 12, 1937, Serial No. 174,135
In Germany September 1, 1937
2 Claims. (Cl. 33—137)



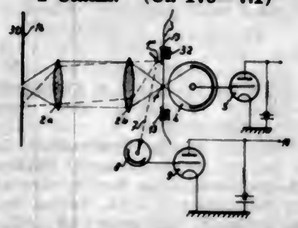
1. A measuring device comprising a casing having a free, unobstructed chamber in the form of a right parallelopiped and having a slit therein, and a metallic band in the chamber and projecting through the slit, said band being curved in cross-section, the end portion of the inner end of the band being permanently bent longitudinally to form an arc of substantially 180°, said band being removable and self-accommodating when pushed into the chamber, to form elongated coils the end turns of which have a minimum radius greater than the radius of the curved cross-section, so that upon the insertion of the band into the casing said bent end will freely travel around the corners of the chamber and around the end turns of the elongated coils.

2,185,444
LIQUID DRIPPING APPARATUS
Herman C. Kyler, Mogg, Ky., assignor of one-half to Carl A. Reis, Mogg, Ky.
Application April 8, 1938, Serial No. 201,011
7 Claims. (Cl. 91—43)



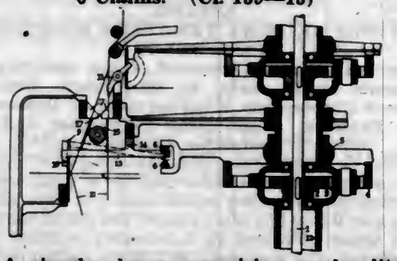
2. In a liquid dripper, the combination with a container having a bottom discharge opening, of a vertically reciprocatory rod located within the container and having its lower end extending into said opening, an agitator located within the container, and means for reciprocating said rod and for simultaneously actuating said agitator, the lower end of the rod being maintained within the opening during the reciprocation of said rod.

2,185,445
SYNCHRONIZATION SIGNAL TRANSMITTER
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application July 10, 1937, Serial No. 152,950
In Germany July 16, 1936
1 Claim. (Cl. 178—7.1)



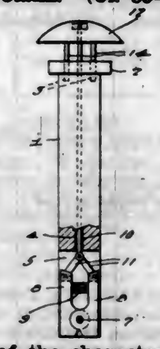
In a television transmitter comprising a scanning light ray, a film scanned in lines by said ray and a photo-cell behind said film connected to an amplifier, a reflecting element on one side of said film and a second photo-cell connected to a second amplifier, the output of the first mentioned amplifier and the output of the second mentioned amplifier being connected to a common terminal, one of the first mentioned elements—photo-cell and amplifier—being oppositely poled to one of the second mentioned elements—photo-cell and amplifier—said reflecting element projecting said scanning ray at the end of each line onto said second photo-cell, the said second amplifier being connected to a bridge, one side of which being composed by a triode and by its anode resistance, the other side of which consisting of a potentiometer, the diagonal of which being composed of a diode and an impedance, the input of which being the grid of said triode, the output of which being tapped on said impedance.

2,185,446
MECHANICAL SHUTTLE DRIVE FOR CIRCULAR LOOMS
Otto Schwichtenberg, Berlin, Germany, assignor to Internationaler Moratti Maschinenverkauf A. G., Berlin, Germany
Application August 29, 1939, Serial No. 292,471
In Germany July 28, 1938
6 Claims. (Cl. 139—13)



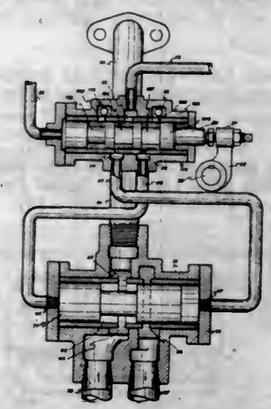
1. A circular loom comprising a plurality of movable levers, a shuttle having a wedge-shaped cross groove which drives the shuttle, stationary guide strips arranged opposite the place of engagement of the levers to positively guide the shuttle, and means for actuating the movable levers to drive the shuttle by the engagement of the levers in the cross groove receiving a wave motion.

2,185,447
HITCH PIN
Clifford E. Smith, Belton, S. C.
Application April 10, 1939, Serial No. 267,199
1 Claim. (Cl. 85—3)



A hitch pin of the character described comprising a shank having a longitudinal slot in one end portion providing bifurcations and further having a bore therein communicating with the slot, a pair of retaining dogs pivotally mounted between the bifurcations and operable in the slot, resilient means for expanding said dogs to operative position, a rod operable in the bore, means operatively connecting the dogs to one end of said rod for retraction thereby, a handle rotatably mounted on the other end portion of the rod, and depending, rigid pins on said handle engageable with the shank for securing the dogs in retracted position, the shank having sockets therein for receiving the pins for releasing the dogs to operative position.

2,185,448
HYDRAULIC PUMP JACK
John H. Suter, Sierra Madre, Calif.
Application March 12, 1938, Serial No. 195,452
3 Claims. (Cl. 121—157)

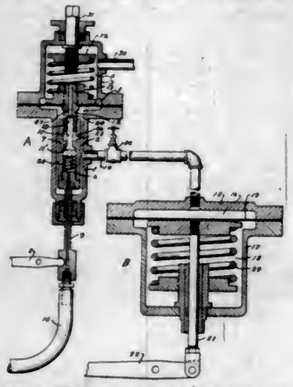


1. In a hydraulic pump jack having a cylinder and a piston vertically reciprocating therein: a main valve arranged alternately to admit hydraulic fluid to and release said fluid from the lower end of said cylinder; a pilot valve arranged to reciprocate said main valve by admitting hydraulic fluid alternately to its opposite ends; mechanical means actuated by contact with said piston for moving said pilot valve to one end of its travel at the end of the downstroke, and hydraulic means actuated by pressure transmitted from within said cylinder for moving said pilot valve to the opposite end of its travel at the end of the upstroke.

2,185,449
MOTION TRANSMITTER
Vincent V. Veenschoten, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application February 3, 1937, Serial No. 123,808
2 Claims. (Cl. 121—38)

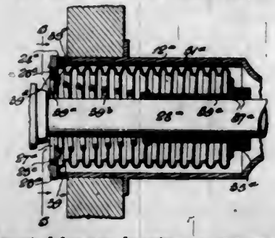
1. A motion transmitter comprising a casing having a chamber therein normally containing a fluid under pressure, a fluid pressure motor operatively associated with the chamber, a fluid inlet tube slidably mounted in one wall of the chamber, the opposite wall being resiliently yielding, an outlet tube fixed in the yielding wall, the inner ends of the tubes being slidably relatively, each tube having a normally closed valve with its seat fixed to its tube and its plug being positioned between its seat and the first mentioned wall, the plugs being connected by a stem slidably mounted in the inner ends of the tubes, and resilient means normally holding the plugs against the seats, respectively, and means for sliding the inlet tube in its wall, whereby inward movement of the

tube in the wall will open the inlet valve, and outward movement will open the outlet valve, and



in either case the varying fluid pressure resulting in the chamber will close the valve.

2,185,450
SOOT BLOWER SEAL
Robert Hudson Wager, Maplewood, N. J.
Application May 13, 1938, Serial No. 207,852
9 Claims. (Cl. 285—30)



1. In a soot blower having a blower element extending through a relatively large opening in a boiler wall; a flexible metal sleeve surrounding said blower element within said opening, said flexible metal sleeve being spaced from the wall of said opening and from said blower element, a plate having an opening through which said blower element passes without contact with said plate, the front end of said flexible metal sleeve being fluid-tightly secured to said plate around said opening thereof, said plate being secured to the boiler wall and fluid-tightly closing the outer end of said wall opening around said flexible metal sleeve, means fluid-tightly closing the inner end of said flexible sleeve around said blower element and including a packing, spring means for seating said packing, and an abutment ring against which said spring means thrusts, said abutment ring surrounding said blower element and having peripheral lugs abuttings the inner side of said plate, the opening of said plate being notched to permit passage of said lugs when said abutment ring is sufficiently turned.

2,185,451
FOOD PRODUCT
Byron H. Webb, Washington, D. C.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application December 27, 1938, Serial No. 247,989
4 Claims. (Cl. 99—207)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the preparation of a milk solids-potato product containing from 50 to 85 per cent potato solids, from 5 to 48 per cent skim milk solids, and from 2 to 10 per cent salt, consisting in whipping air into a mixture of boiled potato, skim milk solids, salt, and water, dehydrating the whipped mixture, and toasting the dry product.

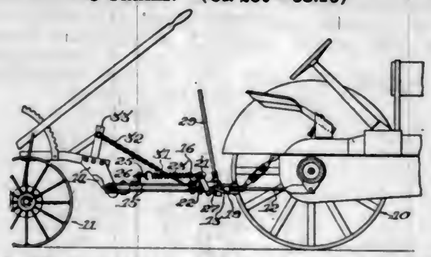
2,185,452
METHOD OF HEAT TREATING MAGNESIUM BASE ALLOYS
Robert T. Wood, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application September 1, 1937, Serial No. 161,947
3 Claims. (Cl. 148—21.3)

1. A method of producing, in a casting of a magnesium base alloy consisting of 1 to 12 per cent aluminum, 0.3 to 5 per cent zinc, 0.05 to 0.3 per cent manganese, 0.03 to 0.3 per cent calcium, and the balance magnesium, properties commensurate with those obtained by a two-step solution heat treatment, the method comprising subjecting the casting to a single step solution heat treatment at a temperature between 720 and 780° F. for 5 to 30 hours, and rapidly cooling said heat treated casting to a temperature below 400° F.

2,185,453
METHOD OF HEAT TREATING MAGNESIUM BASE ALLOYS
Robert T. Wood, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application September 1, 1937, Serial No. 161,948
5 Claims. (Cl. 148—21.3)

1. A method of producing, in a heat-treated magnesium base alloy containing 1 to 12% aluminum and 0.3 to 5% zinc, properties commensurate with those obtained by a two-step solution heat treatment, the method comprising adding 0.03 to 0.3% calcium to said alloy, casting the resulting alloy, subjecting the resulting casting to a single step solution heat treatment at a temperature between 720 and 780° F., and rapidly cooling said heat-treated casting to a temperature below 400° F.

2,185,454
HITCH
Stephen M. Young, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application February 11, 1938, Serial No. 189,926
3 Claims. (Cl. 280—33.16)

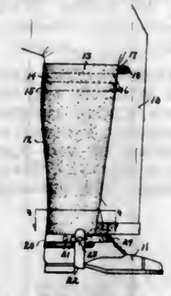


3. The combination with a draft means having a hook portion thereon, of a retaining hook pivotally mounted on the draft means adjacent the hook portion and yieldingly held in fixed position with respect to the draft means, and a pick-up lever attached directly to the retaining hook and extending upwardly therefrom for lifting the draft means and swinging the retaining hook with respect to the draft means.

2,185,455
METHOD OF PREPARING SULPHO-CARBOXYLIC ESTER SALTS
Frank J. Cahn and Morris B. Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 29, 1937, Serial No. 166,388
9 Claims. (Cl. 260—481)

1. The method of preparing esters of alcohols containing at least 8 carbon atoms and sulpho-carboxylic acids containing less than 8 carbon atoms, the hydrogen of the sulphonic groups of which is replaced by an organic nitrogenous base, which includes the steps of reacting an organic nitrogenous base, an ester of an alcohol containing at least 8 carbon atoms and a sulpho-carboxylic acid containing less than 8 carbon atoms, the hydrogen of the sulphonic group of which is replaced by a metal cation, an acid which reacts with the metal salt of the sulpho-carboxylic acid ester to produce a salt of said acid and the metal cation of said sulpho-carboxylic acid ester which is more insoluble than the sulpho-carboxylic acid ester metal salt constituting one of the reactants whereby a precipitate is formed, and then separating said precipitate from the solution.

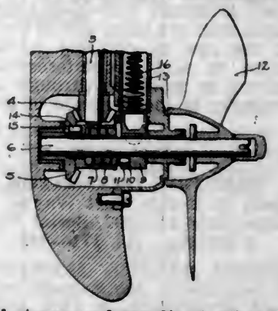
2,185,456
LEG GUARD
Ralph H. Cheney, Des Moines, Iowa
Application July 1, 1938, Serial No. 216,989
3 Claims. (Cl. 36—2)



1. In a device of the class described, a shield designed to embrace the rear portion of a leg, a tunnel loop formed in the upper portion of said shield, a U-shaped clamp extending through said loop having holes in each of its ends, and a string extending from the holes in said U-shaped member.

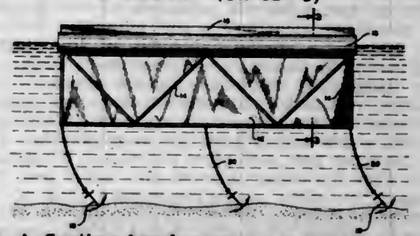
2,185,457
OUTBOARD MOTOR
Warren C. Conover, Waukegan, Ill., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill., a corporation of Delaware
Application October 26, 1938, Serial No. 236,978
4 Claims. (Cl. 115—17)

1. In an outboard motor mechanism, the combination with a drive shaft, a driven shaft, a propeller connected to receive motion from the driven shaft; of a shaft bearing adjacent said propeller and a cam rotor secured to said shaft adjacent the bearing, a one-way clutch with parts encircling the drive shaft and operatively connecting said shaft and the cam rotor, whereby to provide uni-directional drive means from the drive shaft to the driven shaft with a minimum



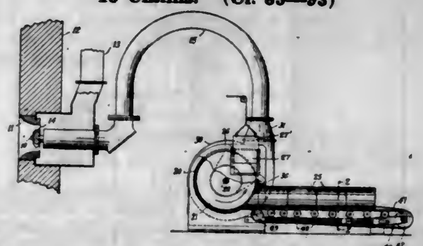
of torsional stress and resultant vibration in the driven shaft during operation of the device.

2,185,458
FLOATING BREAKWATER
Louis Giliasso, New Orleans, La., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 14, 1939, Serial No. 284,472
3 Claims. (Cl. 61—5)



1. A floating breakwater comprising an elongated water-tight, buoyant member, a plate secured to and depending from said member, reenforcing stays secured to said member and said plate, a plurality of longitudinally extending fins attached to and projecting substantially upwardly from said elongated member so as to aid in smoothing waves passing over said member, and anchor means attached to the lower edge of said plate.

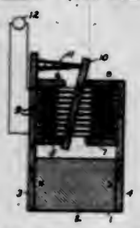
2,185,459
FUEL PULVERIZING APPARATUS
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 22, 1933, Serial No. 662,015
Renewed August 6, 1938
13 Claims. (Cl. 83—93)



7. Apparatus for pulverizing pulverized fuel briquets comprising a rotary grinding wheel having a continuous circumferential grinding surface arranged to rotate about a substantially hori-

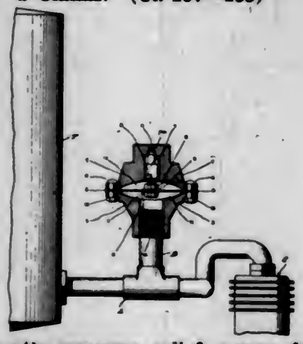
zontal axis, and endless conveying means arranged to support a horizontal row of pulverized fuel briquets arranged end-to-end thereon and feed the same with the inner end of the innermost briquet of the row in grinding contact with a lower section of said circumferential grinding surface moving in operation through an arc in a direction counter to the direction of briquet feed.

2,185,460
ELECTRIC GENERATOR
Robert C. Harris, Fort Wayne, Ind.
Application July 13, 1937, Serial No. 153,344
2 Claims. (Cl. 171—209)



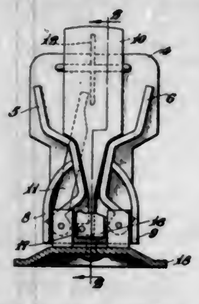
1. An electric generator comprising a permanent magnet having two contact shoes on each pole, an insulated coil adjacent to the magnet, an armature floating in the magnetic field of the magnet, a spring exteriorly of the magnet and normally causing the armature to engage on two diagonally opposite contact shoes of the magnet with metal to metal contact, and means to cause the armature to break contact with one of said shoes and impact the corresponding shoe on the other pole, and pivot thereon to break contact with the other shoe on the latter pole and impact the other or corresponding shoe on the first named pole, the spring causing the armature to reverse its contact breaking and impacting movements, whereby four impulses of electrical current are induced in the coil at each cycle of movement of the armature.

2,185,461
AUTOMATIC PRESSURE RELEASE
George G. Guthrie, Tulsa, Okla.
Application April 2, 1938, Serial No. 199,698
2 Claims. (Cl. 137—153)



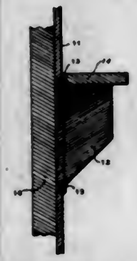
1. Automatic pressure relief means for fluid pressure lines, comprising a casing, a diaphragm therein dividing the casing interior into separate chambers, a line pressure inlet in the casing and open to a chamber at one side of the diaphragm, a pressure exhaust in the casing at the opposite side of the diaphragm, said casing having a bore communicating with said exhaust port and the chamber on the side of the diaphragm opposite the line pressure inlet, a valve mounted on and movable with said diaphragm, said valve having a stem extending through the diaphragm and into said bore to open and close said exhaust port by flexing of said diaphragm in response to line pressure variations, and said valve stem having a bleeder bore therein opening at one end to the pressure inlet chamber and at its other end into said casing bore at the other side of the diaphragm.

2,185,462
CIGARETTE AND CIGAR EXTINGUISHING DEVICE
John H. Homrighous, Oak Park, Ill.
Application March 2, 1938, Serial No. 193,522
19 Claims. (Cl. 131—256)



2. In an article of manufacture, a frame, a pair of levers pivoted to said frame, and an ejecting bar pivoted to said frame and extending throughout a portion of the length of said levers.

2,185,463
METHOD OF FABRICATING LINED VESSELS
Wayne A. Howard, Whittier, and Turner C. Smith, Huntington Park, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1938, Serial No. 196,130
1 Claim. (Cl. 29—162)



The method of permanently placing an internally projected supporting member within a metallic vessel having a liner of a metal different from that of said vessel, which comprises: Abutting said supporting member directly against the internal face of the wall of said vessel; cutting away said liner to expose an annular area of said internal face around the periphery of said abutment; bringing the liner into contact with said internal face, and filling the annulus so formed with fused metal, whereby said supporting member and said liner are welded to said internal face of said vessel and to each other.

2,185,464
ALUMINO-THERMIC MIX FOR MAKING PERMANENT MAGNETS
Hugh A. Howell, Berwyn, Ill., assignor to Frank Raffles, Chicago, Ill.
No Drawing. Application December 20, 1937, Serial No. 180,824
3 Claims. (Cl. 75—27)

1. An alumino-thermic mix for making a permanent magnet containing aluminum, nickel, a compound of iron, and a compound of zirconium, the substances being present in such amounts that after ignition and separation of the slag the remaining melt will contain from 5 to 40% nickel, 7 to 20% aluminum, from an effective amount to 5% zirconium, and the major part of the remainder iron, and which melt will be suitable for conversion into a permanent magnet upon solidification.

2,185,465
PROCESS OF PREPARING SALAD DRESSING
Dean C. Ingraham, Kensington Park, and Wing Wong, Berkeley, Calif., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 18, 1938, Serial No. 219,822
6 Claims. (Cl. 99—144)

1. The process of making a salad dressing which comprises wetting all of the dry ingredients except paprika with a salad oil prior to the addition of any water to the dry ingredients, wetting the paprika with water, and incorporating the water wet paprika with the other ingredients of the dressing.

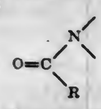
2,185,466
UMBRELLA
Bernard J. Jostes, St. Louis, Mo.
Application June 5, 1939, Serial No. 277,349
4 Claims. (Cl. 135—22)



1. In an umbrella, spring-operated self-opening means, and relatively flexible portions near the extremities of the umbrella ribs adapted to flex to protect the umbrella covering material from the strain incident to the sudden action of the self-opening means.

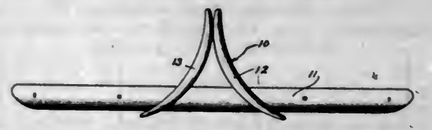
2,185,467
HAIR DYEING COMPOSITION AND METHOD
Wolf Kritchevsky, Chicago, Ill., assignor to Rit Products Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 3, 1938, Serial No. 233,028
10 Claims. (Cl. 167—88)

1. A hair dyeing composition comprising an organic dye and an agent effective to cause adherence of the dye to the hair, said agent consisting of a water-soluble chemical compound having the nucleus



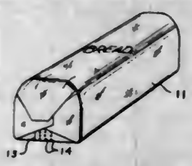
wherein R is a member selected from the group consisting of hydrogen, lower molecular weight alkyl, cycloalkyl, aryl, aralkyl, alkylol, aralkylol and derivatives thereof.

2,185,468
ORNAMENTAL BUMPER ACCESSORY
George Albert Lyon, Allenhurst, N. J.
Application July 29, 1937, Serial No. 156,283
19 Claims. (Cl. 293—55)



1. As an article of manufacture for vehicle bumpers, an accessory adapted to increase the protection afforded by a bumper comprising two members detachably secured together at one end and extending downwardly and outwardly into detachable engagement with a vehicle bumper, said engagement being provided by integral projections on said members which hook over and under said bumper, said projections providing the sole bumper securing means for said accessory.

2,185,469
SELF-SEALING WRAPPER
William Nial MacDonald, Detroit, Mich., assignor to George T. Trumbull, Detroit, Mich.
Application October 19, 1936, Serial No. 106,337
1 Claim. (Cl. 229—87)

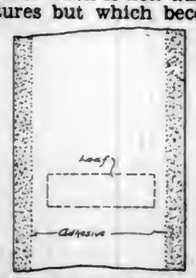


A self-sealing wax coated paper wrapper comprising a sheet of wax coated paper folded over the object to be wrapped and having its edges lapped, with the laps having a multiplicity of registering perforations filled with wax integral with the wax of the coating, these wax fillings of the holes forming integral wax rivets which bond to one another and to the coating and rivet the laps to each other.

2,185,470
SELF-SEALING BREAD WRAPPER
William N. MacDonald and Walter Noble, Detroit, Mich.
Application September 15, 1937, Serial No. 163,880
6 Claims. (Cl. 229—87)

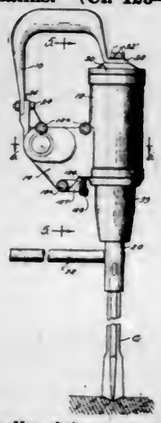
1. A continuous strip adapted to be cut during a wrapping operation to form individual self-sealing bread loaf wrappers comprising a continuous strip of waxed paper or the like having an edge portion of one of its surfaces coated with a

non-wax adhesive which is non-adhesive at ordinary temperatures but which becomes adhesive



under heat and pressure, the adhesive being sealed within the wax coating of the strip.

2,185,471
POWER HAMMER
Arthur William Mall, Chicago, Ill.
Application June 15, 1937, Serial No. 148,361
13 Claims. (Cl. 125—33)

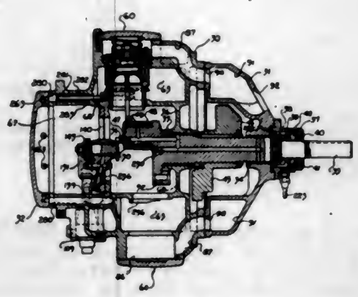


1. A mechanically driven power hammer including in combination, a housing having a cylinder, a piston reciprocably mounted in said cylinder, a work engaging tool one end of which is removably extended into one end of the cylinder in a position to be engaged by one end of said piston, a compression spring disposed in the cylinder between the other end thereof and the other end of the piston, and piston operating means including a lever extending transversely of the longitudinal axis of said piston, engaging the piston at one end, and pivoted to the housing at its other end for swinging movement in the common plane of the lever and piston, a cam rotatably mounted in said housing intermediate the ends of the lever, on the opposite side of the lever from said compression spring and adapted to move said lever against the compression of said spring, and a flexible shaft drive for said cam.

2,185,472
PECTIN AND ITS MANUFACTURE
Philip Bliss Myers, Scarsdale, N. Y., and William W. Cowgill, Fairfield, Conn., assignors to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware
No Drawing. Application October 8, 1937, Serial No. 167,936
8 Claims. (Cl. 260—210)

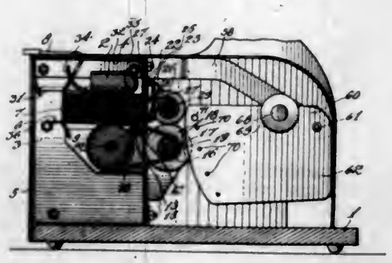
1. The method of protecting a pectic raw material against deterioration which consists in adding 1% to 4% glycerine thereto.

2,185,473
COMPRESSOR UNLOADING MEANS
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 2, 1937, Serial No. 177,694
9 Claims. (Cl. 230—28)



1. A compressor comprising a plurality of cylinders, a common suction chamber and a common compression chamber, each cylinder having associated therewith a suction valve through which a gaseous medium may be admitted from said suction chamber and a discharge valve through which compressed gaseous medium may be discharged into said compression chamber, and means to render any one of the cylinders inoperative during operation of the compressor comprising a device responsive to the pressure existing within said suction chamber and acting to hold the suction valve in open position whereby gas admitted thereto from the suction chamber is directly returned to the suction chamber during what would otherwise be the compression stroke of the cylinder.

2,185,474
CARD SHUFFLING AND DEALING DEVICE
Sydney C. Nott, Irvington, N. J.
Application November 8, 1937, Serial No. 173,325
15 Claims. (Cl. 273—149)



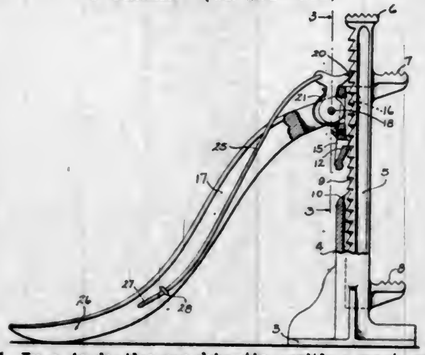
1. In a card dealing machine, the combination, with means for containing a deck of cards, means for advancing cards therefrom, and a housing into which the cards are projected, of a plurality of shelves, dividing the housing into compartments, said shelves being pivotally attached to the housing by means of slotted holes in the sidewalls, at the end where said projected cards enter, and side extensions of the shelves, at the same end, to ride in said slotted holes.

2,185,475
STUD AND RAFTER
Albert Rafter, Glen Ridge, N. J., assignor to Rafter Machine Company, Belleville, N. J., a partnership composed of Albert Rafter and John C. Rafter, Jr.
Original application April 20, 1938, Serial No. 203,022. Divided and this application November 16, 1938, Serial No. 240,637
2 Claims. (Cl. 189—37)



1. In a structural member for building construction, a first metal plate and a second metal plate spaced apart, said first plate having a plurality of apertures, right angularly directed flanges surrounding said apertures and having right angularly inwardly directed portions, said second plate having right angularly directed flanges passing through said apertures and bent around and abutting both sides of said inwardly directed portions, and plates integral with said flanges closing said apertures.

2,185,476
JACK
Adolph J. Ricker, South Milwaukee, Wis., assignor to Badger Malleable & Mfg. Company, South Milwaukee, Wis., a corporation of Wisconsin
Application May 5, 1938, Serial No. 206,159
5 Claims. (Cl. 254—111)

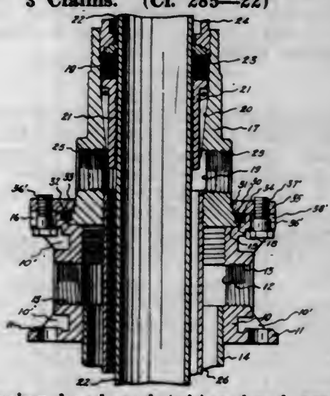


1. In a jack, the combination with a post, of a column in which said post is reciprocable, a lever pivoted to said column and provided with post elevating means, a holding detent pivotally mounted on said column and engageable with said post for maintaining it in elevated positions, spring means providing a relatively fixed bias urging said detent toward said post, a link connected with said detent and extending along said lever, and a guide for said link connected with said lever and in which said link is normally reciprocated by relative movement between detent and lever during the manipulation of said lever for post elevation, said link comprising means for transmitting to said detent the same movement manually imparted to said lever, whereby said link is constrained to actuate said detent against said bias in the course of lever movement for the lowering of said post.

2,185,477
RESINOUS LAMINATED PRODUCT AND METHOD OF MANUFACTURE
Wesley R. Thompson and William E. Flood, Metuchen, N. J., assignors to Catalin Corporation of America, a corporation of Delaware
No Drawing. Application July 23, 1938, Serial No. 221,026
4 Claims. (Cl. 154—2)

1. A process of producing flexible laminated sheet material, which is sufficiently non-brittle to be stamped and punched without fracturing and is stable against changes in dimension with varying moisture conditions, comprising impregnating a fibrous sheet with an alcoholic solution of a hardenable phenol formaldehyde resin sol produced by reacting 1 mol of phenol with 1.5 to 3 mols of formaldehyde in the presence of an alkaline catalyst followed by neutralization of the excess alkali and dehydration of the reaction product to produce a hydrophilic sol containing an appreciable amount of water and adding alcohol; heating the impregnated sheets sufficiently to effect substantial removal of the alcohol in said sol, but leaving a substantial amount of water therein and heating sufficiently to convert said hydrophilic sol into a gel in situ on said sheets, said gel having the residual water colloidally dispersed throughout its mass, pressing together said sheets impregnated with said hydrophilic gel and heating said sheets while under pressure to harden said gel into a rigid, infusible cellular form which bonds said sheets together, and retains colloidally dispersed water droplets entrapped in the cells of the cellular mass whereby a laminated sheet material having the above specified characteristics is produced.

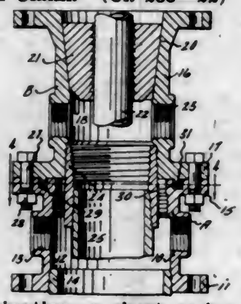
2,185,478
TUBING AND CASING HEAD
Sheridan P. Tschappat, Tulsa, Okla.
Application April 3, 1937, Serial No. 134,797
3 Claims. (Cl. 285—22)



1. A casing head and tubing head assembly including, a casing head having an annular countersunk shoulder and an annular surrounding flange extending above said shoulder, a tubing head having an annular base engaging in said casing head and resting upon the shoulder thereof and forming with said flange an an-

nular groove, an annular packing ring disposed within said groove for sealing the joint between said casing head and said base, and means to secure said tubing head within said casing head.

2,185,479
CASING AND TUBING HEAD
Sheridan P. Tschappat, Tulsa, Okla.
Application May 13, 1937, Serial No. 142,351
1 Claim. (Cl. 285—22)



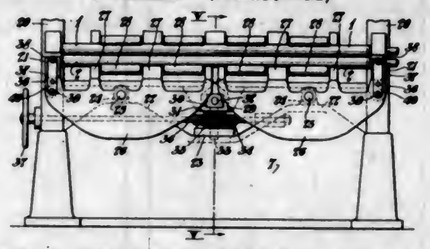
In a combination, a short casing head having an outwardly directed annular base flange at its bottom, whereby it may be fastened down upon a rigid support and held against upward displacement, said casing head also having a large cylindrical bore provided with internal screw threads at its lower end for receiving the upper end of an outer well casing, an outwardly directed annular flange at the top of the casing head having bolt holes, said casing head having an outlet from its bore between its flanges, a short tubing head having an outwardly directed annular base flange at its bottom provided with holes and resting flat upon the top flange of the casing head, whereby a low compact structure is provided, and bolts extending through the holes of the head flanges for rigidly fastening the heads together, the tubing head having an axial bore provided with internal screw threads at its lower end for supporting an inner pipe string and an upwardly flared slip bowl at its upper end for receiving slips for supporting a central tubing string, the tubing head having an outlet from its bore between the bowl and the screw threads, the heads providing for suspending an outer casing, an inner pipe string and a central tubing string from closely spaced suspension points.

2,185,480
NITROGENOUS CONDENSATION PRODUCTS AND PROCESS OF PRODUCING THE SAME
Heinrich Ulrich and Karlhugo Kuespert, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 26, 1937, Serial No. 176,654. In Germany December 3, 1936
14 Claims. (Cl. 260—458)

1. The process for producing nitrogenous products, which comprises condensing an alkylene imine containing at least one hydrogen atom attached to nitrogen, with an ester the components of which are an alcohol containing at least 6 carbon atoms in the molecule and an inorganic polybasic acid containing oxygen.

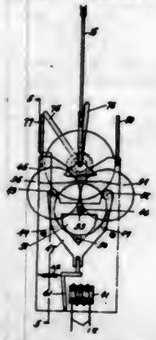
12. Nitrogenous condensation products of an alkylene imine containing at least one hydrogen atom attached to nitrogen and a sulphuric acid ester of an alcohol containing at least 6 carbon atoms in the molecule.

2,185,481
STRAIGHTENING MACHINE
Fritz Ungerer, Pforzheim, Germany
Application May 19, 1937, Serial No. 143,467
In Germany October 5, 1936
3 Claims. (Cl. 153—54)



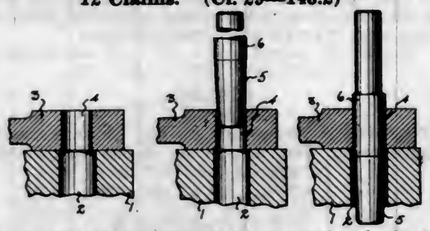
1. In a roller leveler, straightening rolls, supporting means for said straightening rolls and means for simultaneously moving said straightening rolls and supporting means out of their normal horizontal plane, said second named means comprising balancing yokes pivotally supported on said leveler and having their inner ends pivotally connected together with the other ends swiveled to said supporting means.

2,185,482
APPARATUS FOR REPRODUCING MOVEMENT
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application January 25, 1932, Serial No. 588,595
2 Claims. (Cl. 177—351)



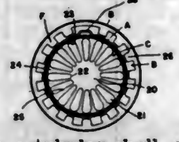
1. A receiving device of the type referred to, comprising a motor driven shaft, a shiftable frame, two driving rolls carried by said frame and driven in opposite directions from said shaft, two arms mounted co-axially to swing independently, an indicator mounted between said arms and movable about the axis of said arms, stops for said arms, springs connected one to each of said arms and urging the arm toward its stop and normally holding it in its position of rest against its stop, a part associated with one of said arms and positioned to be engaged by one of said driving rolls when said frame is shifted in one direction to move such arm in the direction toward the indicating member, a part associated with the other arm and positioned to be engaged by the other driving roll when said frame is shifted in the other direction to move such arm in the direction toward the indicating member, and electro-magnetic means for shifting said frame to cause movement of said arms alternately from their positions of rest.

2,185,483
METHOD OF PREPARING HIGH MANGANESE STEEL MEMBERS AND THE PRODUCT THEREOF
Frank T. Ward, Norwalk, Conn.
Application April 6, 1938, Serial No. 200,553
12 Claims. (Cl. 29—148.2)



1. A method of processing a mechanical part composed of high manganese steel having a bore therein, which comprises forming the part of high manganese steel containing about 11 to 14% manganese with an undersized bore therein and subjecting the part at the surface of the bore to pressure to size and harden it.

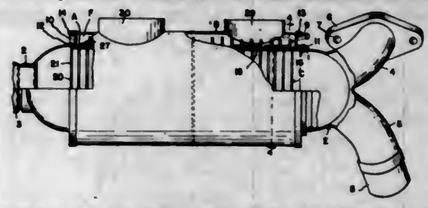
2,185,484
HEATER
Lewis W. Welch, Dearborn, and Alfred F. Millington, Northville, Mich., assignors, by mesne assignments, to The Manufacturers National Bank of Detroit, Detroit, Mich., a national banking association
Application May 2, 1938, Serial No. 205,576
3 Claims. (Cl. 257—241)



1. In a heater, a tubular shell, and a series of disk-like baffles within said shell, each being a circular plate having a laterally extending annular flange at its periphery engaging the inner walls of the shell, a substantially circular central portion, and provided between the annular flange and circular central portion with a circular series of elongated openings, each having a curved outer end tangent to the inner surface of the annular flange so that copper wire used in an electric brazing operation may lie flush against both the curved ends of the openings and the inner surface of the annular flange, and each opening having side portions diverging outwardly from the circular central portion toward the extremities of the curved ends aforesaid whereby exhaust gases passing through the shell will be directed toward and will scrub against the inner surfaces of said lateral flanges.

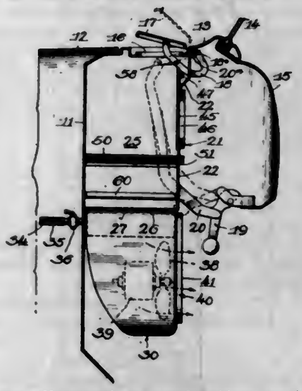
2,185,485
METHOD OF MAKING HEAT EXCHANGE DEVICES
Lewis W. Welch, Dearborn, and Alfred F. Millington, Northville, Mich., assignors, by mesne assignments, to The Manufacturers National Bank of Detroit, Detroit, Mich., a national banking association
Original application May 2, 1938, Serial No. 205,576. Divided and this application February 20, 1939, Serial No. 257,488
3 Claims. (Cl. 113—118)

1. In the manufacture of heat exchange devices, the steps of casting a fitting having a tubular part and a substantially right angular shoulder on said part in spaced relation to the free end thereof, drawing from a sheet of metal a seamless and jointless tubular shell, pressing from sheet metal a header having a laterally projecting annular flange, sleeving the annular flange of the header upon the shell at one end thereof so that the free end of the flange is substantially flush with the adjacent end of the shell,



inserting the tubular part of the casting into the end aforesaid of the shell so that the flush ends of the flange and shell substantially abut said shoulder, pinning together the annular flange, shell and tubular part aforesaid, and melting a bonding material so that it will flow between the shoulder of the fitting and the adjacent ends of the shell and annular flange of the header, between the annular flange of the header and the shell, and between the shell and tubular part of the fitting to securely tie together said parts.

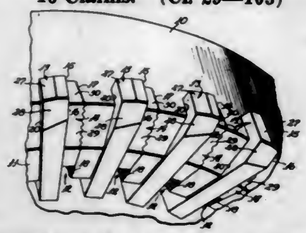
2,185,486
AIR CONDITIONING SYSTEM FOR AUTOMOBILES
Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application May 14, 1937, Serial No. 142,618
4 Claims. (Cl. 98—2)



1. In an all-weather ventilating system for an automobile body having a ventilator opening and a cover plate therefor, a casing in the automobile body communicating directly with said ventilator opening to form an air inlet, a heat exchanger in said casing and forced draft means associated therewith, said casing also having a second air inlet opening communicating with the interior of the car body to afford recirculation of air within said body through said heat exchanger, a damper for the second inlet opening, manual control means connected with said cover plate and means associated with said damper and coacting with said control means for maintaining said damper closed when said cover plate is in a plurality of relatively wide open positions, but

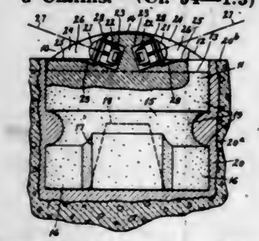
opening said damper when said cover plate is in a plurality of partially open positions adjacent to its fully closed position.

2,185,487
INSERTED BLADE CUTTER
Ralph R. Weddell, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 18, 1936, Serial No. 116,533
16 Claims. (Cl. 29—105)
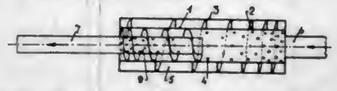


1. A cutting tool comprising, in combination, a body having an inwardly tapering blade recess also tapering longitudinally from the open end thereof, a plane sided block of cutting material disposed in said recess with one side and edge surfaces thereof bearing against a side and the bottom walls of said recess, cutting edges on an end portion of said blade projecting from said open end of said recess, the opposite sides of said blade converging outwardly and also tapering longitudinally away from said cutting edges, a longitudinally tapering wedge inserted longitudinally of said blade between one side thereof and the opposed wall of said opening and acting to wedge the blade against said side and bottom walls, said wedge also being tapered transversely to permit of variations in the effective width of the wedge by selective positioning thereof transversely of the blade, and a series of interfitting formations on said wedge and the adjacent side wall of said recess for maintaining the selected transverse position of the wedge whereby to permit the outer end of said wedge to be disposed adjacent the edge of said body regardless of the longitudinal position of adjustment of said blade.

2,185,488
ROAD MARKER
Charles M. White, Jr., Akron, Ohio, assignor to The Colonial Insulator Company, Akron, Ohio, a corporation of Ohio
Application November 12, 1938, Serial No. 240,031
3 Claims. (Cl. 94—1.5)



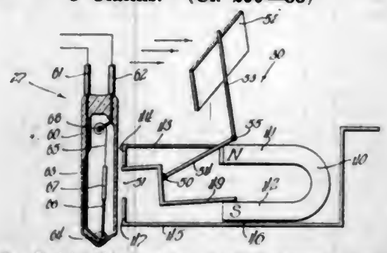
1. A pavement marker comprising a monolithic substantially cylindrical ceramic body adapted to lie below the surface of the pavement with its upper edge flush therewith and having an upper surface formed as a shallow rounded dome-like top rising above the pavement, the marker being provided with formations adapted to interlock with the pavement body and prevent upward and rotational movement of the marker in the pavement, a recess formed in the dome and having outwardly flaring side walls, a rear wall and a bottom wall, a luminous reflector set in the rear wall of said recess and lying below the surface of the rounded dome, and a coating of glaze over the top and extending into the recess and over all of the walls thereof.

2,185,489
MUFFLER
Zygmunt Wilman, Courbevoie, Seine, France
Application July 18, 1935, Serial No. 32,023
In France July 19, 1934
1 Claim. (Cl. 181—48)



Improvement in mufflers for motors comprising an open end exhaust tube capable of being connected to the exhaust of said motor, a helix of graduated pitch wound around said exhaust tube, said exhaust tube having orifices formed therein, a second tube having said exhaust tube and helix mounted therein forming a continuous helical chamber of graduated capacity between said first and second tubes for dampening the harmonics of high frequency, orifices formed in said second tube, a helix of graduated pitch wound around said second tube and a resonant casing having said second tube and helix mounted therein forming a continuous helical chamber of graduated capacity between said second tube and said casing for dampening the harmonics of low frequency and also having said first tube passing therethrough.

2,185,490
ELECTRIC SWITCH
Robert A. Wittmann, Chicago, Ill., assignor to Peoples Gas By-Products Corporation, Chicago, Ill., a corporation of Illinois
Application April 20, 1938, Serial No. 203,095
3 Claims. (Cl. 200—88)



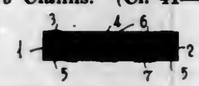
1. A fluid flow and temperature actuated control mechanism comprising, in combination, a magnetic electric switch having a spring conductor carrying a magnetic armature, the spring holding the lower contact end of the spring conductor in contact with a pool of mercury when the magnetic armature is not sufficiently attracted to break the contact, a permanent magnet constituting a source of flux for attracting the magnetic armature, a pole extension member of Curie point metal disposed adjacent to one of the poles of the permanent magnet and spaced therefrom by an air gap constituting a controlled path for the flux from said adjacent pole, a flux conducting member movably resting on said adjacent pole constituting another controlled path for the flux from said adjacent pole, and a sail member for moving said flux conducting member.

2,185,491
HYDRAULIC BRAKING APPARATUS
Rexford O. Anderson and Amon H. Carson, Oklahoma City, Okla.
Application May 16, 1936, Serial No. 80,092
11 Claims. (Cl. 188—90)



1. A brake mechanism comprising a shell having a chamber for containing a liquid, a liquid in the chamber, a rotor mounted to rotate within the shell, baffles formed in the shell, the shell having inlet ports and discharge ports, impellers within the rotor formed in abrupt angular changing contours relative to the axis of the rotor, said impellers and baffles being so arranged that upon relative rotation of the shell and rotor recurrent circulation of the liquid within the shell will be induced, and simultaneously fluid will be discharged from the shell, and the flow of liquid will be induced into the shell.

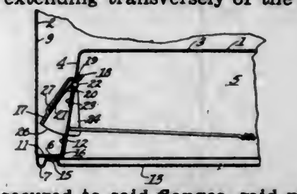
2,185,492
ORNAMENTAL OBJECT
Robert N. Barrett, Houston, Tex.
Application December 13, 1937, Serial No. 179,455
9 Claims. (Cl. 41—30)



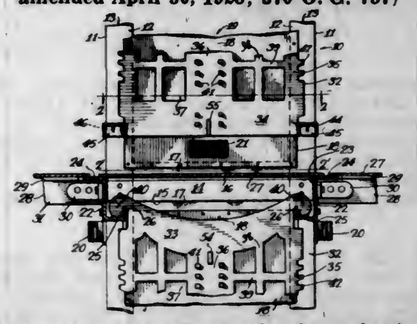
4. The process of making a multi-color molded ornamental object in which mixing of said colors is avoided and which comprises employing a colored matrix of substantial thickness having parallel oppositely disposed working surfaces, each of said surfaces being divided into recesses, the recesses of any one surface not extending through the other surface, filling the recesses on one surface with a material of one color, filling the recesses on the other surface with a material of another color, and then effacing one of said surfaces to permit the colored material filled into the recesses of the other surface to be visible at said effaced surface.

2,185,493
METALLIC GRAVE VAULT
Allen F. Beck, Columbus, Ohio
Application July 10, 1937, Serial No. 152,978
6 Claims. (Cl. 27—35)

1. A base section for metallic grave vaults comprising a sheet metal body formed to include a relatively elevated casket receiving platform, depending side and end walls, outwardly directed flanges at the lower edges of said side and end walls and longitudinally extending runner ribs formed with said flanges, and a metallic bearing plate extending transversely of the base section and secured to said flanges, said plate having the bearing surfaces thereof arranged in a horizontal plane spaced slightly above the base engaging surfaces of said runner ribs.



2,185,494
BOOKSTACK
William C. Bond, Washington, D. C.
Application June 28, 1937, Serial No. 150,793
23 Claims. (Cl. 211—135)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



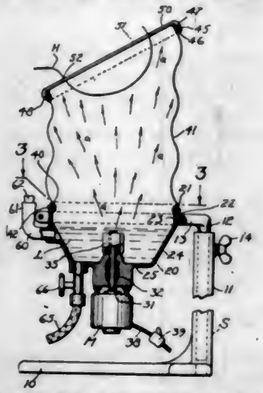
1. A rectangular structural column having a passageway therethrough, comprising a pair of spaced channel-formed beams disposed to have their webs form the respective edges of the column and disposed to have their respective pairs of flanges project toward each other to form side portions of said column, in combination with a pair of panel-like members attached to the respective sides of said column by means removably connecting the side of said panel-like members to the outer sides of the column side-flanges, and plate-like means disposed intermediate the edges and in the plane of said column side-flanges and inwardly overlapping ends of side panel-like members.

15. A bookstack comprising a pair of parallel spaced elevated beams supported by upright members, and shelf supporting panels supported solely by said beams, said panels being provided at their upper ends with yoke-like portions bridging the space between said elevated beams, the ends of said yoke-like portions resting upon said beams and suspending said panels in tension.

2,185,495
HAIR WASHER AND RINSER
Myra P. Bond, Schenectady, N. Y.
Application July 8, 1938, Serial No. 218,197
5 Claims. (Cl. 4—159)

1. In a hair washer, means to contain liquid, a rotating impeller rotating below the surface of the liquid and acting to project the latter upwardly, a flexible liquid shield extending upwardly from the container means and into which

the head of the user extends, a support for the container means and the lower end of the flexible shield and means to move the support to dif-



ferent positions relatively to the head of the user to vary the effect of the liquid projected toward the head by the impeller.

2,185,496

PROCESS OF DESEAMING BLOOMS, BILLETS, SHEET BARS, AND THE LIKE

Herman Morissey Brown, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 15, 1938, Serial No. 202,227
9 Claims. (Cl. 148—4)

9. The process of deseaming blooms, billets, sheet bars, and the like, made of nickel and nickel alloys comprising striking an arc between the bloom, billet, sheet bar and the like containing a surface defect, and an electrode; moving said electrode along a surface defect to be removed while controlling the current in excess of about 300 amperes to cause metal about said defect to become molten and to be automatically removed as a result of electric forces generated in the molten metal incident to the passage of current therethrough, thereby producing a groove adjacent to the surface defect in the bloom, billet, sheet bar and the like; and correlating the speed of the electrode along the defect with the current and the depth of the defect to produce a groove in the metal having a depth at least equal to the depth of the defect to be removed whereby a grooved bloom, billet, sheet bar and the like free from surface defects is obtained which, when worked, provides an acceptable product having a surface free from seams, splits, cracks and other surface defects.

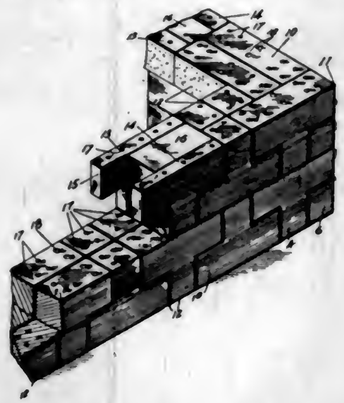
2,185,497

INTERLOCKING BRICK

Angelo Joseph Cilento and Silvio John Agnoli, Baltimore, Md.

Application January 16, 1939, Serial No. 251,260
2 Claims. (Cl. 72—38)

1. In a brick wall construction, a plurality of T-shaped bricks having their aligned projections designated as 2 and 3, and the unilateral arm as 4, arranged to present the T-shape exteriorly and the projections 2 and 3 disposed in one horizontal row, and the unilateral projection 4 disposed in the adjacent horizontal row, the position of the projection 4 in the rows breaking up the continuity of the intermediate horizontal mortar course, and eliminating a section of the horizontal line of mortar at that portion and



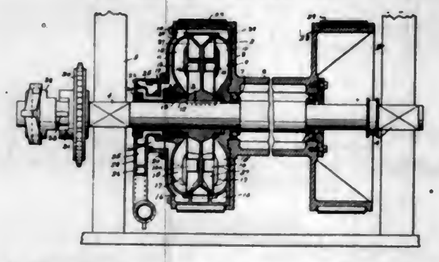
interlocking the two adjacent brick rows together, the arrangement of these interlocking bricks being in sets of two horizontal rows throughout the walls.

2,185,498

HOIST

Amon H. Carson and Rexford O. Anderson, Oklahoma City, Okla.

Application October 18, 1935, Serial No. 45,536
15 Claims. (Cl. 254—187)



1. Hoisting equipment comprising a driving member, a prime mover, means for operatively connecting the prime mover with, and disconnecting it from the driving member, a load-handling member, hydraulic transmission means for transmitting power from the driving member to the load handling member, a clutch for connecting the driving member with, and for disconnecting it from, the load handling member, a transmission shaft directly connected with the driving member, gearing connecting the shaft with the load-handling member and clutch means for operatively connecting the gearing with and disconnecting it from said shaft.

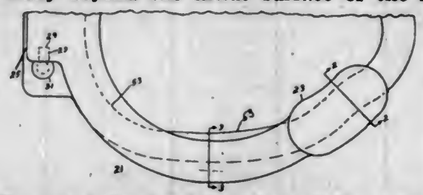
2,185,499

TOILET SEAT

John Corser, Minneapolis, Minn.

Application December 13, 1937, Serial No. 179,507
1 Claim. (Cl. 4—237)

A unitary toilet seat for removable mounting on a toilet bowl and comprising a pair of separate seat pads and a connecting member of open oval shape, the longitudinal portions of the connecting member being so shaped as to extend laterally beyond the inside surface of the side



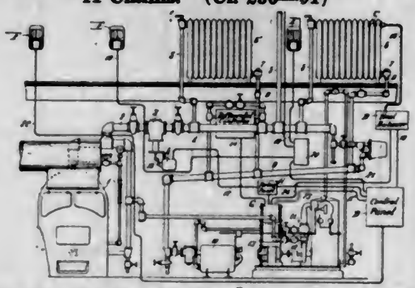
walls of a toilet bowl to substantially preclude engagement therewith by a user of the seat.

2,185,500

HEAT BALANCER

David N. Crosthwait, Jr., Marshalltown, Iowa, and Ellis G. Powell, Michigan City, Ind., assignors to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa

Application April 6, 1935, Serial No. 15,016
11 Claims. (Cl. 236—91)



1. In a heat balancer, a pressure chamber having one movable wall, a bulb positioned in a heat exchanger, a quantity of temperature responsive fluid in the bulb so as to expand or contract in response to temperature changes in the heating medium within the heat-exchanger, a tube connecting the bulb and pressure chamber, a movable element, means actuated by the movable wall of the pressure chamber and bearing on one side of the element, a balancing spring acting on the element in opposition to the fluid pressure, means for controlling the flow of heating medium to the heat exchanger, means actuated by movements of the element for regulating the flow controlling means, and means for adjusting the pressure of the balancing spring from a location remote from the heat balancer.

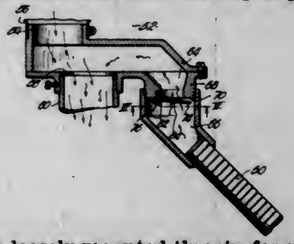
2,185,501

BREATHER SYSTEM FOR INTERNAL COMBUSTION ENGINES

Adolph C. Dressler, Miami, Okla., assignor to Dieselair Corporation, Miami, Okla., a corporation of Delaware

Application May 15, 1939, Serial No. 273,650
2 Claims. (Cl. 123—119)

1. The combination with an internal combustion engine having a carburetor provided with an air intake, a crank case for holding lubricating oil, and a block having cavities formed therein in communication with the crank case, of means for conveying vapors evolved within the crank case and said cavities to the air intake of the carburetor, said means including a conduit; a chambered head on one end of the conduit provided with an air intake port, an air outlet port, and an opening for receiving one end of the conduit; and structure on the other end of the conduit for placing the latter in communication with the crank case and cavities in the block, said ports being disposed to create vacuumatic action at the said opening when air is passing to the carburetor, said head having a perforated



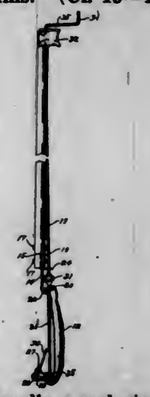
flap valve loosely mounted therein for movement to and from a position for partially closing the opening when the vacuumatic action reaches a predetermined point, said valve being held open by the action of gravity thereon when the vacuumatic action ceases.

2,185,502

WRINGER MOP

Conrad Fatland, Mount Prospect, Ill.

Application April 27, 1937, Serial No. 139,223
2 Claims. (Cl. 15—120)



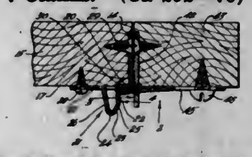
1. In a mop, a handle, a rod pivoted by one end to the inner end of the handle and having a mop cloth holding means at its free end, a collar rotatably mounted on the inner end of the handle and having attached thereto a cloth holding bar positioned transversely of the said rod between the pivot and its free end, said rod and bar being relatively rotatable substantially coaxially with the handle.

2,185,503

FRICTION CATCH

Arthur L. Fryer, Laguna Beach, Calif.

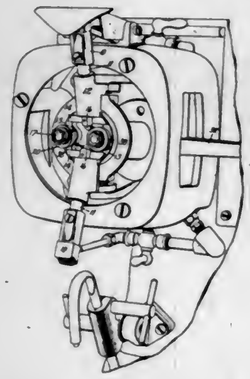
Application January 17, 1938, Serial No. 185,395
7 Claims. (Cl. 292—76)



1. A catch defined by a plate having an unslit portion with means for attachment to a door, there being a pair of parallel slits extending in a direction away from the attachment means and

defining a tongue between the slits, the tongue having a flat portion to be substantially in alignment with one surface of the door, a face portion of the tongue extending outwardly from the flat portion at an angle slightly less than a right angle, a nose refining an obtuse angle from the face and receding from the flat portion of the tongue, there being a projection between the face portion and the nose and a rigid structure reacting against the nose and the projecting portion of the tongue and resisting deformation of the face and the nose portion when the tongue of the catch passes over a keeper attached to a fixed structure.

2,185,504
EDGE SETTING MACHINE
William Hamann, Irondequoit, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 18, 1937, Serial No. 175,293
11 Claims. (Cl. 12—78)



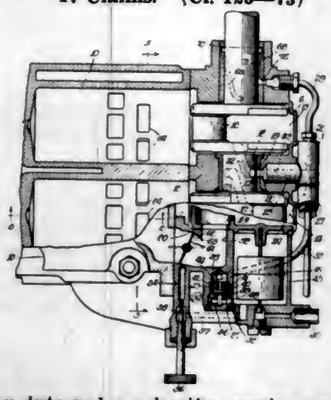
1. In a finishing machine, an oscillating tool holder having a recessed head, a tool retaining spindle mounted for rotative movement in the recess in said head, and a spring extending transversely to the longitudinal axis of the spindle, said spring having an intermediate portion thereof positively connected to the tool spindle and its end portions engaging adjacent sections of said head whereby rotation of said spindle is resisted by said spring.

2,185,505
STAY BINDING STRAP
Herbert Harvey, Los Angeles, Calif.
Application September 7, 1937, Serial No. 162,821
15 Claims. (Cl. 1—56)



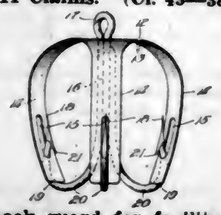
1. A device for binding together stays having barbs at their ends, said device comprising a body having a part engaging the outer surfaces of the stays, and a part engaging the outer surfaces of the barbs at one end of the stays, and a detachable part extending between the opposite ends of the body and engaging the inner sides of the stays where the barbs join the stays.

2,185,506
INTERNAL COMBUSTION ENGINE
Clarence L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana
Application May 20, 1938, Serial No. 209,054
17 Claims. (Cl. 123—73)



1. An internal combustion engine comprising, in combination, a cylinder, a crank case compartment communicating with said cylinder, means for delivering combustible mixture to said compartment through a high speed system of distribution, means for delivering combustible mixture to said compartment through a low speed system of distribution, said low speed system including a valve operating in synchronism with said engine, conduit means for delivering oil from said compartment to a bearing portion of said engine, and means for drawing off oil from said bearing portion and delivering said oil to the intake for said low speed system of distribution.

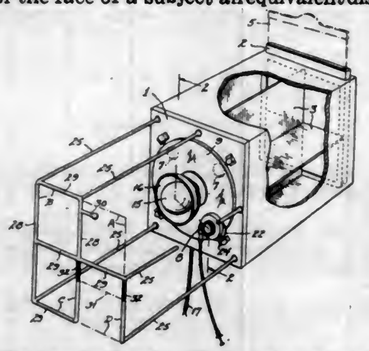
2,185,507
FISHHOOK GUARD
William G. Knapp, Evanston, Ill., assignor to Tri-Tix, Incorporated, Evanston, Ill., a corporation of Illinois
Application April 26, 1937, Serial No. 138,909
11 Claims. (Cl. 43—38)



1. A fishhook guard for facilitating handling and preventing entanglement of the associated hook with other tackle in a receptacle comprising a part adapted for ready attachment to and detachment from the shank of a fishhook, and an arm extending therefrom having an opening for receiving the pointed end of the hook and adapted to be positioned to shield the point and barb of the hook.

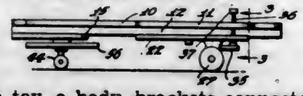
2,185,508
APPARATUS FOR MAKING DENTAL RECORDS
Albert J. Kunze, Cleveland, Ohio
Application March 3, 1938, Serial No. 193,727
10 Claims. (Cl. 95—1.1)

1. An apparatus for making dental records, comprising a camera, a holder for a negative positioned twice the focal length of the camera lens from such lens and an open frame carried by the camera, adapted to position the lower portion of the face of a subject an equivalent distance



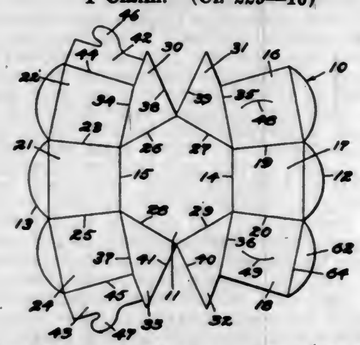
from the camera lens so that photographs taken of the subject will be full size, whereby such photographs can be utilized as patterns in making accurately restorative whole or partial dentures and dental repairs.

2,185,509
TOY
Charles W. Lambert, Detroit, Mich.
Application October 12, 1938, Serial No. 234,714
6 Claims. (Cl. 280—9)



1. In a toy, a body, brackets connected to the body, a ground wheel and a sled runner carried by each bracket said ground wheel and said runner being perpendicular to each other, means mounting the bracket to swing upon a horizontal pivot to selectively present the ground wheel or runner to the ground, and means for locking the bracket to hold the ground wheel or the runner in ground contacting position.

2,185,510
FOLDING BOX
Arthur W. Lovejoy, Lowell, Mass.
Application January 28, 1937, Serial No. 122,736
Renewed April 11, 1939
1 Claim. (Cl. 229—16)



A receptacle formed out of a single piece of sheet material, the blank of material being scored to form a hexagonal base, wings attached one to each of two of the opposite scored sides of the base, each wing comprising a central section of keystone shape attached directly to the base, side sections attached at their sides by scored lines one at each of the sides of the central sections, all of said sections being of uniform size and shape and being provided with side edges which taper outwardly away from one another, and triangular tabs formed on the remaining sides of the base, the tabs being so shaped as to fit into the corners formed between the adjacent upwardly and outwardly tapering side walls when the receptacle is erected, the adjacent tabs resting on the side walls and abutting one another to prevent downward sagging of the base, and means for attaching the adjacent side edges of the wings to one another when the receptacle is erected.

2,185,511
SWITCH MECHANISM FOR DIRECTION SIGNALS
Alfred Mazer, Newark, Ohio
Application August 15, 1938, Serial No. 224,941
5 Claims. (Cl. 200—11)

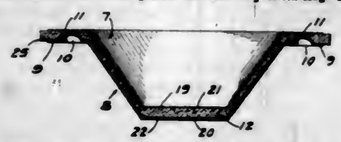


1. A switch for use in a motor vehicle direction signal circuit comprising a dielectric base formed for attachment to the instrument panel of a motor vehicle and provided with an opening therein, a plurality of contacts having convex outer surfaces secured to said base in spaced relation on an arc having its center in the center of the opening in said base, a convex surfaced button secured to said base between adjacent contacts, a dielectric lever having a hollow cylindrical shank rotatably positioned in the opening in said base, said lever being provided with a longitudinally extending groove in the rear surface thereof, a star-shaped spring engaging the inner portion of said shank and the rear surface of the instrument panel of the vehicle to hold said lever in connection with said base, a contact secured to said lever at a point in registration with the contacts on said base, said lever contact being formed with a concave surface adapted to be selectively engaged with the convex surfaces of the buttons and the contacts on said base, a wire connected with said lever contact, said wire extending through the groove and hollow shank of said lever, means formed on said base to limit the degree of rotation of said lever, and an operating knob formed with the free end end of said lever.

2,185,512
STRAINER
Thomas D. McHale, Los Angeles, Calif.
Application March 19, 1938, Serial No. 196,926
4 Claims. (Cl. 210—158)

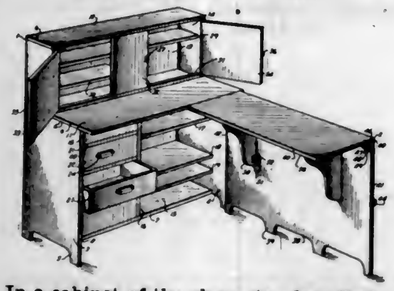
1. A strainer consisting of a pair of elongated trough-shaped sheet metal members which are of a truncated V-shape in cross-section, and each of which is furnished along the top of each of its sides with a longitudinal, substantially horizontal flange, said members both being identical as

to size and shape except that the aforesaid flanges of one of them has in it a plurality of upstruck indentations which underlie the flange of the other member and thereby support said other member of the pair in an upwardly spaced,



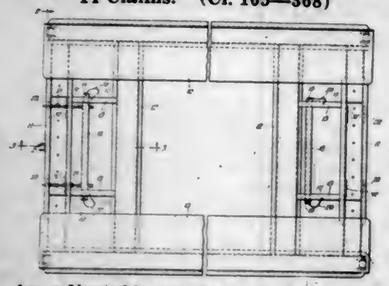
nested relation to its mate, both of said members having foraminated portions in a spaced relation to each other, and a straining material occupying the space between said foraminated portions.

2,185,513
CABINET
Lewis L. Middleton, Kansas City, Mo.
Application April 18, 1938, Serial No. 202,619
4 Claims. (Cl. 312—164)



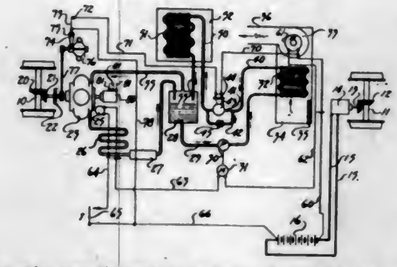
4. In a cabinet of the character described, connected bottom, side and table top members forming a compartment, the table top member extending forwardly beyond front edges of the side members and forming a working area, a panel movably mounted on one of the side members, and a counter top mounted on the panel movable into coplanar relation to the working area of the table top member, upon moving the panel away from the other side member, to increase the size of said working area, said counter top being of sufficiently less length than the panel to substantially abut and align with a portion of the edge of the table top member when the panel and counter top are moved relative to the compartment and panel respectively.

2,185,514
ADJUSTABLE TIE-DOWN
William H. Mussey, Chicago, Ill.
Application June 6, 1938, Serial No. 211,992
14 Claims. (Cl. 105—368)



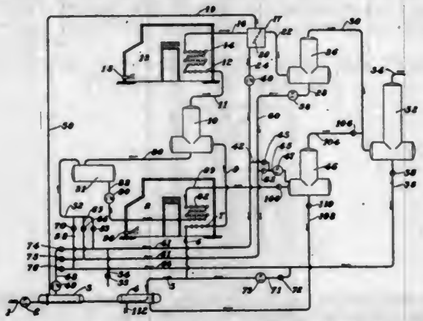
1. An adjustable tie-down for a vehicle supporting deck comprising a flexible member fastened to the deck at one end and anchored to the vehicle at the opposite end, an adjustable bar mounted on the deck beneath which the flexible member passes and contacts, said deck having spaced members provided with a plurality of openings which are adapted to receive the ends of the bar and hold said bar at the desired point longitudinally of the deck and against vertical movement relative to said deck.

2,185,515
RAILWAY AIR CONDITIONING SYSTEM COMPRISING DIRECT DRIVE AND ICE STORAGE
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 15, 1938, Serial No. 219,314
1 Claim. (Cl. 62—117)



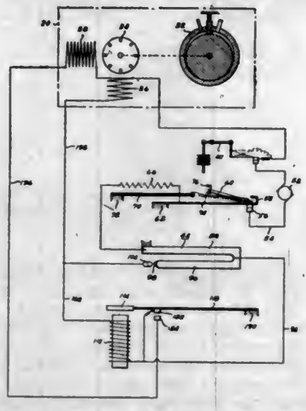
An air conditioning system for vehicles comprising a refrigerant compressor, mechanical means for driving the compressor by power derived from the motion of the vehicle, a condenser for liquefying the refrigerant compressed by the compressor, an accumulator for storing the condensed liquid, an air conditioning coil in which the liquid is expanded to cool the air in the vehicle, a constant speed pump for drawing a constant stream of liquid from the accumulator and discharging the same into said air conditioning coil, a source of current carried by the vehicle for operating said constant speed pump, an ice-forming coil through which the expanded refrigerant from said air conditioning coil is passed and from which said refrigerant is returned to said accumulator tank, two parallel passages through which refrigerant may pass from said air conditioning coil to said ice storage coil, a pressure-differential producing device in the first of said passages, a speed-responsive valve in the second of said passages, a suction pipe extending from said accumulator tank to the inlet of said compressor whereby gas may be returned for compression, thermostatic means for controlling the operation of said pump whereby said pump operates whenever cooling is desired in said vehicle, and speed-responsive means for causing said speed-responsive valve to close said second parallel passage during the running operation of the vehicle in order to cause refrigerant compressed by said compressor first to pass through said air conditioning coil then to pass through said pressure-differential producing device whereby to cause the formation of ice on said ice-forming coil, and for causing said speed-responsive valve to open said second parallel passage during standby operation whereby to cause the cooling of refrigerant circulated by said pump from said accumulator tank through said air conditioning coil and said ice-forming coil by melting the ice surrounding said ice-forming coil.

2,185,516
METHOD OF AND APPARATUS FOR CONVERTING OIL
Philip S. Nisson, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application November 24, 1934, Serial No. 754,646
12 Claims. (Cl. 196—60)



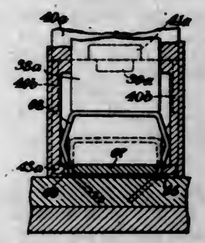
1. The method of converting crude oil into motor fuel of high octane rating which comprises separating crude oil into a vapor and a liquid fraction without cracking the oil, simultaneously cracking the vapors in a vapor phase cracking stage and the unvaporized liquid in a liquid phase cracking stage, separating cracked vapors from unvaporized residue in both cracking stages, commingling and fractionating the vapors, separately withdrawing the unvaporized oil produced in the liquid phase cracking step from the system without further cracking, withdrawing unvaporized residue from the vapor phase cracking and recycling it to the liquid phase cracking stage, withdrawing and cooling condensate formed in the fractionating stage, and contacting the products issuing from the vapor phase cracking stage with the cooled condensate.

2,185,517
ELECTRIC MOTOR CONTROL
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 31, 1935, Serial No. 56,968
Renewed November 1, 1937
4 Claims. (Cl. 172—279)



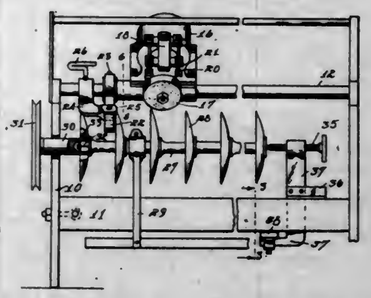
1. In combination, an electric motor having a starting winding circuit and a running winding circuit, a circuit including a starting relay operated by electric energy flowing through said running winding for controlling the flow of electric energy through the starting winding, a shunt for said starting relay, an electro-thermal device responsive to the flow of electric energy through one of said circuits and to environment temperature for terminating the energization of the starting relay, and a compensating means for said electro-thermal device for compensating the effect of environment temperature thereon.

2,185,518
STAPLING DEVICE AND METHOD
Emanuel R. Posnack, Brooklyn, N. Y.
Application May 23, 1938, Serial No. 209,457
14 Claims. (Cl. 1—2.1)



1. In a stapling machine for driving a staple having a substantially flat top and bent legs, a plunger adapted for operative engagement with the top of the staple, two deflecting elements positioned above the work to be stapled and interposed in the path of the legs of the staples for engagement therewith to operatively deflect the legs during the downward movement of the staple, and leg-engaging means coacting with said deflecting means for supporting therebetween and guiding the legs of the staple during its operative movement.

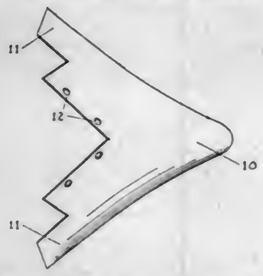
2,185,519
DISK SHARPENER
Arthur M. Randall, Prairie City, Iowa
Application March 28, 1938, Serial No. 198,466
5 Claims. (Cl. 51—104)



1. A disk sharpener, comprising a frame, a horizontally arranged supporting bar in the frame, a motor unit support slidingly and tiltingly mounted on said bar, a motor unit, comprising a motor and a cutting wheel fixed to the motor shaft, said motor unit being fixed to the motor unit support, a handle fixed to the motor unit for tilting it, a lever pivotally and rotatably connected to the motor unit support, and a fulcrum device for said lever, loosely and slidably

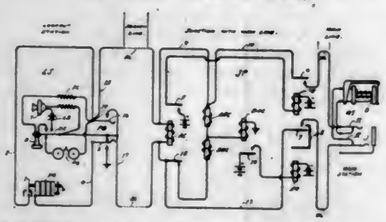
mounted upon said supporting bar for gripping said supporting bar when the lever is in certain positions, and for sliding with the lever when the lever is in other positions whereby power may be applied directly to the bar for moving the motor unit relative to said bar.

2,185,520
LISTER PLOW
Charles J. Ray, Denton, Nebr.
Application November 23, 1938, Serial No. 241,985
4 Claims. (Cl. 97—204)



1. A lister plow for forming lister ridges and lister furrows with a plow sole at the bottom of the furrows, and upwardly and rearwardly inclined wings at the sides of said lister plow and having a curvature which is continuous with the curvature of said lister plow, said wings being adapted to cut horizontal gashes underneath the ridges and on a level with the bottom of the furrows.

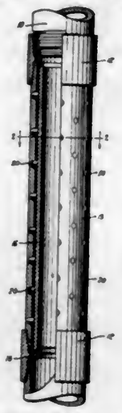
2,185,521
TELEPHONE SYSTEM
Daniel B. Robison, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1936, Serial No. 57,497
9 Claims. (Cl. 179—36)



1. A telephone system comprising a main line, a main station on said line, a plurality of branch lines associated therewith at junction points remote from said main station, a station on each of said branch lines, a signal at said main station, relay means at said junction points for connecting said branch lines to said main line, signaling means at said branch line stations for first operating said connecting means at said junction points and for then operating said signal at said main exchange.

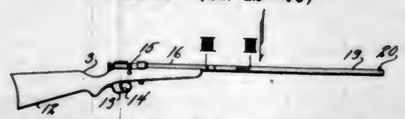
2,185,522
WELL FLOW CONTROLLING DEVICE
Leon F. Rollins, Houston, Tex.
Application October 28, 1937, Serial No. 171,475
9 Claims. (Cl. 166—5)

1. The combination in a well flow controlling device, of a casing, a perforated section in said casing positioned at flow strata, plugs for filling the perforations to shut off the flow of fluids



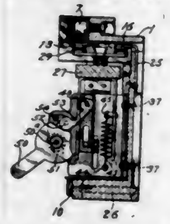
therethrough, and movable means for holding said plugs in place.

2,185,523
FIREARM
Frederick J. Routledge, Monroe, Mich.
Application April 12, 1937, Serial No. 136,495
4 Claims. (Cl. 42—76)



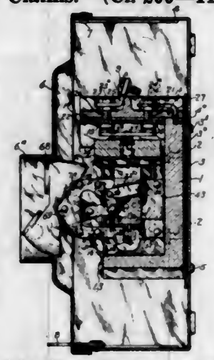
1. A gun adapted for miniature skeet including a barrel consisting of a smooth bore section of approximately .22 inches bore and another section of at least 25% increase in bore throughout its length, the proportionate lengths of said sections being in the ratio of 2 to 3 respectively.

2,185,524
AUTOMATIC CIRCUIT BREAKER
Joseph Sachs, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application October 4, 1938, Serial No. 233,265
28 Claims. (Cl. 200—116)



1. An automatic circuit breaker comprising in combination, a stationary contact, a contact movable out of or into engagement with the stationary contact to open or close the circuit, the said movable contact being biased for circuit-opening movement but normally being mechanically held against such movement, two devices bodily movable with the movable contact and each adapted to act separately from the other to mechanically release the said contact and thus permit automatic circuit-opening movement thereof, and two separate means associated with the said devices and respectively causing each of them to act in response to a predetermined condition.

2,185,525
AUTOMATIC CIRCUIT BREAKER
Joseph Sachs, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application October 4, 1938, Serial No. 233,266
17 Claims. (Cl. 200—116)



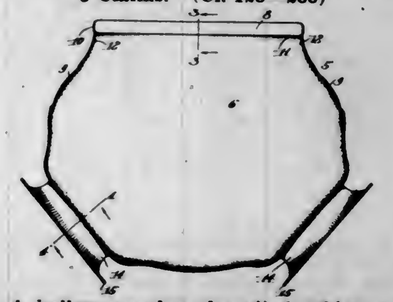
1. The combination in an automatic circuit breaker, of a stationary contact, a movable contact member having a contact adapted to engage and disengage the stationary contact, means biasing the contact member toward its open-circuit position, and a mechanical connection normally adapted to hold the contact member in closed-circuit position, the said mechanical connection comprising relatively movable elements normally serving to transmit a portion of the force required to hold the contact member and also comprising two bi-metallic strips deflectible by heat and normally movable bodily with the said contact member and normally cooperating with the said relatively movable elements to transmit another portion of the said force, each of the said strips upon deflection acting separately from the other to permit relative movement of the aforesaid elements and to thus permit the contact member to automatically move to its open-circuit position.

2,185,526
SOLE MODIFYING INNER SOLE
Benjamin J. Silver, New York, N. Y.
Original application May 21, 1934, Serial No. 726,738. Divided and this application May 10, 1937, Serial No. 141,753
24 Claims. (Cl. 36—71)



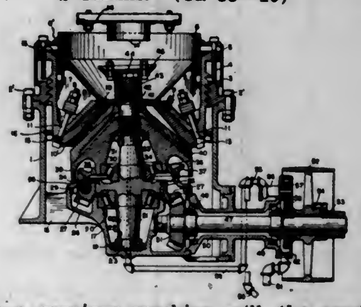
1. In a shoe, a cushioning pad forming a segment of an egg shape form with its flat side downward and its arch side upward having its point of maximum elevation under the shaft of the second metatarsal bone thereby to fit under and tend to support the metatarsal dome, said thickness reducing from its point of maximum thickness in all directions to a feathered edge, said pad having its major axis extending longitudinally of the shoe, terminating at its rear end beneath the middle metatarsal bones, terminating at its forward end beneath the middle phalanges and having a width to underlap the heads of the three middle metatarsal bones leaving the heads of the first and fifth metatarsal bones uncushioned, or substantially so and a supplemental pad having its forward edge located rearwardly of the forward edge of the first named pad, overlapping its portion of maximum elevation and thus modifying the contour of the upper side of the first named pad in the region adjacent said point of maximum thickness and the rear edge of said supplemental pad terminating adjacent the bases of the three middle metatarsal bones.

2,185,527
RUFFLED GARMENT AND THE LIKE
Abraham N. Spánel, Rochester, N. Y.
Application January 21, 1937, Serial No. 121,580
5 Claims. (Cl. 128—288)



1. A hollow seamless deposited rubber article having a body portion with a limb-receiving opening therein and a limb-encircling band portion surrounding said opening integral with said body portion, said band portion extending outwardly from the body portion, said body portion and said band portion in the region thereof adjacent said opening being free from shirring or gathers, the junction of said body portion and band portion being adapted to snugly engage the limb of the wearer and having a substantial surface contact therewith, without substantial constricting action.

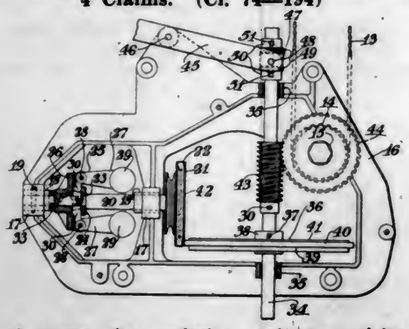
2,185,528
CONE CRUSHER
John W. Stevens, Salt Lake City, Utah, assignor to The Elmco Corporation, Salt Lake City, Utah
Application August 26, 1938, Serial No. 226,913
2 Claims. (Cl. 83—10)



1. In a gyratory crushing mill, the combination with a frame, a perpendicular spindle having an obliquely extending axle, a hollow crush-

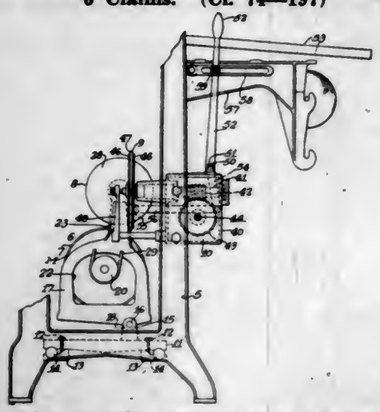
er-head mounted in bearings at the upper end of the axle, and bearings in said frame for the lower end of the spindle, of an intermediate hub integral with said spindle and axle and a gear ring rigid with the hub, a bearing between the frame and spindle and located beneath the hub, a bearing between the hollow head and axle and located directly over the hub, and a driving pinion journaled in the frame and located below and engaging with the gear ring.

2,185,529
BLUE PRINT MACHINE
Warren L. Sullivan, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York
Application November 10, 1937, Serial No. 173,819
4 Claims. (Cl. 74—194)



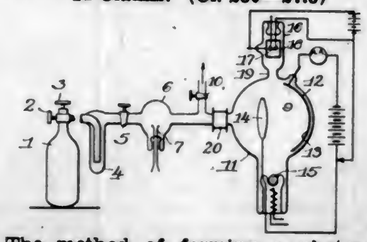
1. A power transmission unit comprising a longitudinally movable drive shaft, a disk having one face thereof secured on one end of said drive shaft, the other face of said disk being flat, a driven shaft supported at right angles to said drive shaft, a friction wheel carried by said driven shaft with its periphery adjacent said flat face of the disk, and a governor mounted on said drive shaft adapted to move said drive shaft to bring the flat face of said disk into driving engagement with said friction wheel when the drive shaft is rotated.

2,185,530
BLUE PRINT MACHINE AND VARIABLE SPEED TRANSMISSION THEREFOR
Warren L. Sullivan, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York
Application February 7, 1939, Serial No. 255,109
6 Claims. (Cl. 74—197)



1. A transmission comprising a driving shaft, a sheave mounted on said driving shaft, one face of said sheave being flat, a driven shaft supported at substantially right angles to said driving shaft, a driven disk carried by said driven shaft with its periphery adjacent said flat face of the sheave, and a governor mounted on said driving shaft adapted to move said sheave to bring the flat face thereof into driving engagement with said friction wheel when the driving shaft is rotated, said driving shaft being mounted for pivotal movement about an axis spaced therefrom and substantially parallel thereto.

2,185,531
PHOTOTUBE
Joseph Tykocinski Tykociner, Jakob Kunz, and Lloyd Preston Garner, Urbana, Ill., assignors to the Board of Trustees of the University of Illinois, Urbana, Ill.
Application January 5, 1938, Serial No. 183,460
11 Claims. (Cl. 250—27.5)



1. The method of forming a photosensitive surface consisting in bubbling molecular hydrogen through molten alkali metal, expanding the resulting vapor and applying the expanded vapor to a suitable surface.

2,185,532
FARM BUILDING
Arthur E. Waterman and Frederick J. Kreutzer, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application September 2, 1937, Serial No. 162,152
5 Claims. (Cl. 20—1)

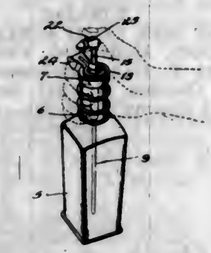


1. A roof supporting structure of the class described, comprising a vertically positioned stud, a roof rafter, the outer end of which is positioned a distance inwardly and above the upper end of said stud, said spaced ends being secured together by means of a plate, the outer portion of said plate which is positioned between said ends being formed in a single curve and the ends of the plate being at a tangent to said curved portion and registering with the outer surface of said studs and rafters, a ceiling joist secured to said plate a distance above said stud end and contacting said rafter end, the inner edge of said plate being extended a distance inwardly and upwardly above said joist to thereby form a uniform gusset plate between said joist and the stud and rafter ends, a transverse member secured to the inner side of said stud and being adapted to engage a notch in said gusset plate and act as a supplemental support therefor.

2,185,533
WOOD PRESERVATIVE
Karl Wolman, Berlin-Grunewald, and Richard Huber, Berlin-Wilmersdorf, Germany
No Drawing. Application July 27, 1935, Serial No. 33,620. In Germany August 3, 1934
6 Claims. (Cl. 134—78.6)

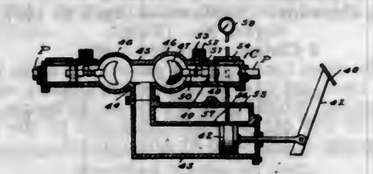
3. A wood preservative in solid, stable and readily soluble form and consisting essentially of an alkali metal chromate, a substance selected from the group containing ammonium bifluoride and potassium bifluoride, and a quantity of potassium carbonate which is sufficient to render the pH value of a water solution of the mixture in the neighborhood of 7.

2,185,534
SPRAYER
Rudolph Bernhardt, Chicago, Ill.
Application March 1, 1937, Serial No. 128,441
4 Claims. (Cl. 299—97)



1. The combination with a receptacle having a relatively long neck adapted to be engaged by the hand, a cap for the receptacle, a spray pump mounted in the cap and having a discharge tube with a discharge nozzle at substantially right angles thereto, means for preventing the rotation of the discharge tube in the cap, and a handle extending outwardly from the cap at substantially right angles to the outlet of the discharge nozzle and adapted to engage with the finger of the operator's hand while grasping the bottle, the discharge nozzle being positioned to be engaged by the thumb of the operator's hand while supporting the bottle.

2,185,535
HYDRAULIC BRAKE SYSTEM
Leroy S. Bittner, Elysburg, Pa.
Application July 12, 1938, Serial No. 218,866
2 Claims. (Cl. 303—84)



1. In a hydraulic brake apparatus, a cylinder, a piston adapted to move therein, a fluid reservoir secured to and in communication with said cylinder and adapted to maintain said apparatus full of fluid, an outlet passage for said cylinder, a dual valve housing secured thereto, said housing comprising similar outwardly extending chambers, a common inlet to said housing arranged intermediate the said chambers, each of said chambers having an enlarged globular portion intermediate its length, a vertical perforated plate mounted in the elongated section, a valve having a stem extending through the perforated plate, said valve being normally positioned adjacent the center of the said globular portion, and a fluid conduit extending to a brake actuator from the outer end of said chamber, the said valve being adapted to seat against spherical wall of the said globular portion when the valve is subjected to an abnormal flow of fluid passing through said chamber.

2,185,536
SYRINGE
Alexander Borland and Cuthbert Elroy Hymers, Pontiac, and Arthur W. Spencer, Rochester, Mich.
Application March 18, 1938, Serial No. 196,784
1 Claim. (Cl. 128—261)

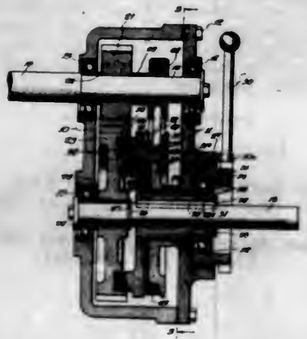


In a syringe of the class described, an elongated barrel having an open rear end, a plunger in said barrel comprising a front ejector section and a rear manipulating section telescoping over the front section for movement relative thereto inwardly and outwardly of said barrel and rotatable relative to the front section in the outwardly moved position thereof into different positions, and means to establish a one-way driving connection between said sections under rotation of said rear section into one position whereby inward movement of the rear section will correspondingly move the front section, said means including a pair of lugs extending laterally from opposite sides of the front section, respectively, said rear section having a pair of longitudinally extending slots therein open at the inner end of the section and registering with said lugs under rotation of the rear section into another position to slidably receive the lugs whereby in said other position thereof said rear section may be moved inwardly and idly relative to the front section and means on the front section coacting with the inner face of the barrel to prevent outward movement of said front section comprising a split resilient ring counter-sunk in said front section and having prongs thereon.

2,185,537
TRANSMISSION GEARING
Robert L. Brownlee, Chicago, Ill.
Application February 3, 1939, Serial No. 254,481
8 Claims. (Cl. 74—376)

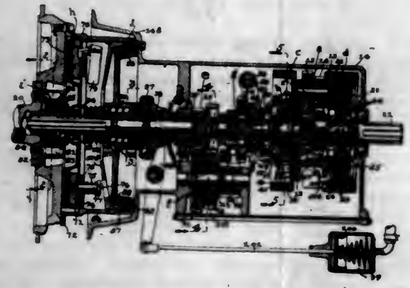
1. A transmission gearing comprising a frame, a drive shaft journaled in one portion of the same, a driven shaft disposed in another portion of the frame and in parallelism to the drive

shaft, a journal for the driven shaft in one end of the frame, a forward-and-reverse reduction drive between the shafts, a slidable support for the driven shaft and effective to actuate said



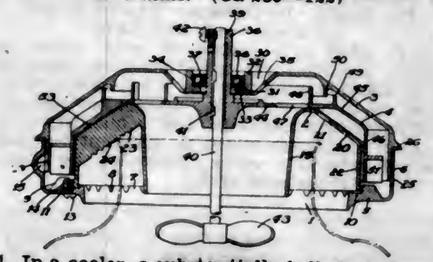
drive, said support passing through the other end of the frame and being joined for rotation with the driven shaft, a longitudinally movable control for the drive, and a bearing between said control and the support.

2,185,538
TRANSMISSION MECHANISM
Everett R. Burtnett, Los Angeles, Calif., assignor to Automotive Improvement Patents Corporation, Los Angeles, Calif.
Application August 6, 1937, Serial No. 157,751
16 Claims. (Cl. 74—260)



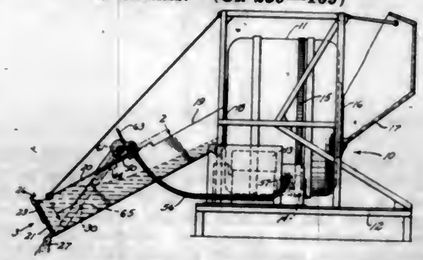
2. In a power transmission, in sub-combination, a driving member, a driven member, variable speed transmission mechanism between said members, three clutches associated with said driving member, one of said clutches being a centrifugally operable clutch responsive to the speed of said driving member and associated with certain of the driving ratios of said transmission mechanism, a second of said clutches being a spring means normally disengaged clutch associated with other of the driving ratios of said transmission mechanism and adapted to be actuated to engage solely at the option of the operator and interoperatively connected so as to cause disengagement, or prevent engagement of, said centrifugally operable clutch as an accompaniment of said actuated engagement of said second clutch, the third of said clutches being a one-way clutch in series with said transmission mechanism for completing driving connections of the latter to transmit rotation of one direction of said driven member to said driving member while both said first and said second clutches are disengaged.

2,185,539
COOLER
Roy E. Buvinger, Dayton, Ohio
Application February 17, 1938, Serial No. 191,021
12 Claims. (Cl. 259—122)



1. In a cooler, a substantially bell-shaped rotor having therein a plurality of slots, fins arranged about said slots and peripheral fins on said rotor.

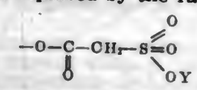
2,185,540
APPARATUS FOR COMPACTING CONCRETE
Curtis L. Cady, Hollywood, Calif., assignor to Robert P. Cady, Hollywood, Calif.
Application October 13, 1937, Serial No. 168,745
5 Claims. (Cl. 259—169)



1. In combination, a trough for the flow of concrete therethrough, a vibrator supported on said trough and positioned in the path of said flowing concrete, and means including an element adapted to be acted upon by the concrete in said trough for controlling the operation of said vibrator in such manner that said vibrator is operated only when concrete is in said trough.

2,185,541
DERIVATIVES OF ALPHA HIGHER CARBOXYLIC ACIDS
Frank J. Cahn, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 9, 1937, Serial No. 135,957
3 Claims. (Cl. 260—400)

1. The class consisting of carboxylic acids having at least six carbon atoms, their salts, esters and amides, wherein at least one hydrogen attached to the carbon atom adjacent to the carboxyl group is replaced by the radical

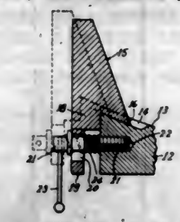


wherein Y is a cation.

2,185,542
VULCANIZER ADAPTER
Royal G. Daniel, Beverly Hills, Calif.
Application August 3, 1936, Serial No. 93,937
12 Claims. (Cl. 18—18)

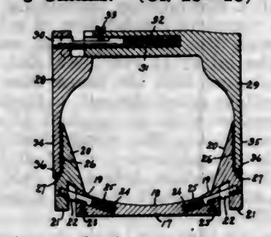
9. An adapter for tire vulcanizers, comprising

a tread plate having a laterally inclined surface, a shoulder plate movable up and down said incline, a bolt having a threaded connection with the tread plate, the bolt being substantially at right angles to the longitudinally bisecting plane of the tread plate, the shoulder plate having a



slotted connection with the bolt, to permit the shoulder plate to move in a plane at an acute angle to the plane of the bolt, spring means tending to move the shoulder plate up the incline when the bolt is unscrewed and the bolt being arranged to move the shoulder plate down the incline against the action of the spring.

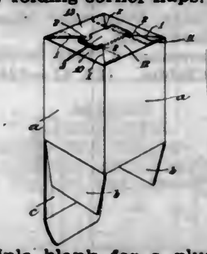
2,185,543
VULCANIZER ADAPTER
Royal G. Daniel, Beverly Hills, Calif.
Application May 3, 1937, Serial No. 140,301
3 Claims. (Cl. 18—18)



3. Vulcanizer adapter means comprising a tread plate, a shoulder plate slidable on the tread plate at either side thereof, the shoulder plates having inner faces for engaging the shoulders of a tire placed in the adapter means, flanges on the shoulder plates, pins on the flanges and the tread plate to direct the sliding movement of the shoulder plates relative to the tread plate, portions of the outer faces of the shoulder plates being offset with regard to the outer faces of the flanges, bead plates arranged to engage the beads of a tire in said position, and flanges on the bead plates having sliding engagement with the offset portion of the outer faces of the shoulder plates.

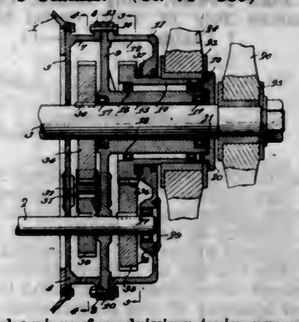
2,185,544
SELF-LOCKING CARTON
John K. Darragh, Chicago, Ill., assignor to Florence A. Darragh
Application August 26, 1933, Serial No. 686,878
Renewed March 19, 1938
3 Claims. (Cl. 229—39)

2. A carton of paper-board or similar flexible material having an end self-locking closure comprising two unnotched flaps folding from opposite sides of the carton and two notched flaps having locking heads with rear edges and also having inclined side edges extending from said rear edges toward the flap base and forming acute-angled locking notches wih the rear edges of said locking heads, said notched flaps folding inward from the other two sides with their head ends inside the unnotched flaps and engaging said unnotched flaps and locking the flaps together, said locking heads being in overlapping relation with each other, all of said flaps being connected by folding corner flaps.



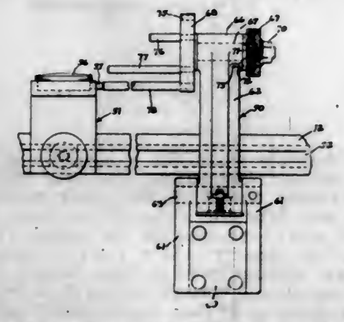
3. A multiple blank for a plurality of paper board cartons, comprising alternate individual carton blanks therein having body panels, top closing side flaps and a top closing cover flap at one end, and at the opposite end having a bottom closing flap opposite each of the top closing side flaps and bottom locking flaps having locking heads, one of said bottom locking flaps being opposite the top cover flap, said locking flaps being longer than said closing flaps by at least the length of a closing flap, measured from the base of the flap to the free end thereof, the intermediate individual carton blanks therein having the same sets of flaps provided thereon except that their bottom locking flaps are opposite the top closing side flaps whereby successive blanks may be cut from a strip of material with the blanks reversed without waste of material lengthwise of the strip.

2,185,545
PROPELLER DRIVING MECHANISM
Mathew M. Egan, Fort Worth, Tex.
Application January 23, 1939, Serial No. 252,456
5 Claims. (Cl. 74—389)



1. A mechanism for driving twin propellers of an aircraft from a common drive shaft, and comprising a sectional gear housing, a shaft for each propeller and concentrically arranged with each other, a section of the housing including a sleeve integral therewith and extending through the housing for disposal exteriorly thereof, said sleeve providing a support for and disposed between the propeller shafts, bearings for the propeller shafts and disposed between the latter and the sleeve, gears for each propeller shaft for individually rotating the same in opposite directions from the drive shaft, and the sections of the housing being removably secured together whereby to allow access to the gears for substituting therefor gears of a different number and ratio to vary the direction of rotation of the propellers and speed thereof in accordance with the speed of the drive shaft.

2,185,546
INDEXING ATTACHMENT FOR GRINDING MACHINES
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 2, 1938, Serial No. 238,430
2 Claims. (Cl. 51—165)



1. In a grinding machine, a base, a table or carriage mounted on said base, a variable stop mounted on one of said parts, an adjustable stop mounted on another of said parts, said variable stop comprising a mounting pad, an arm mounted in said pad for vertical swinging movement, a disk mounted on a horizontal axis in said arm, a plurality of rods of variable length extending horizontally from said disk, indexing means to turn the disk to various fixed angular positions, said adjustable stop including a clamping device and a locating stop member.

2,185,547
DOG TOY
John Fowler, Long Beach, Calif.
Application July 14, 1938, Serial No. 219,296
1 Claim. (Cl. 46—1)



A dog toy comprising a two-piece cover of untanned and unoiled thoroughly dried beef hide, each cover piece being of a contour simulating a bone, a filling of like material and contour but smaller in size to form a core, a line of stitches around the margin of the toy to secure the two cover pieces closely together around the core, and a line of stitches at the longitudinal center extending through the cover pieces and core and terminating at each end a short distance from the marginal stitches, forming a dog toy having the natural qualities appealing to the smell and taste of a dog and other domestic animals.

2,185,548
METHOD OF DESIZING
Stanley I. Garnett, Providence, R. I., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 16, 1938, Serial No. 219,598
4 Claims. (Cl. 8—138)

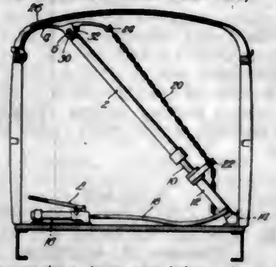
1. A method for desizing cellulose fabrics sized with a predominantly carbohydrate size which comprises subjecting the fabric to the action of an aqueous solution of sulfur dioxide.

2,185,549
METHOD OF GENERATING A COMBUSTIBLE GAS MIXTURE
Henry Gault, Paris, France
Application July 8, 1936, Serial No. 89,633
In France July 17, 1935
2 Claims. (Cl. 48—212)



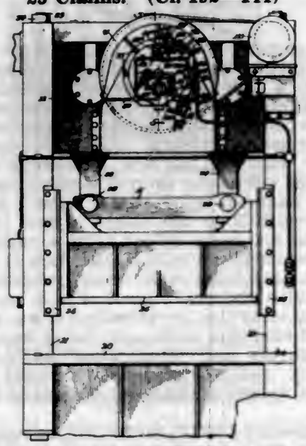
2. A continuous method of generating a combustible gas mixture, which comprises, directly pouring in a continuous manner onto the top portion of a red hot mass, having interstices therein consisting solely of a refractory material a liquid fuel in the compact state in the presence of a combustion sustaining gas, so as to produce complete combustion of said fuel as it flows through the whole of said mass and to maintain the latter at red heat, and simultaneously introducing into the mass thus heated, at an intermediate point thereof, a further amount of fuel together with an amount of air insufficient for sustaining the combustion thereof, so that said last mentioned amount of fuel is subjected to the heating action of said mass and generates, at the outlet thereof, a gaseous combustible mixture.

2,185,550
AUTOMOBILE REPAIR TOOL
August G. Gerdes, Clinton, Iowa
Application February 25, 1938, Serial No. 192,443
2 Claims. (Cl. 153—48)



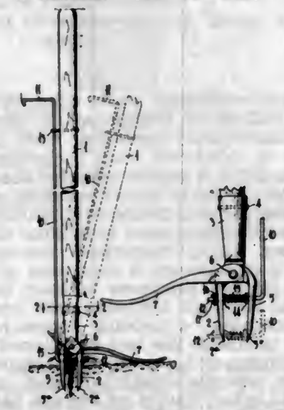
1. An apparatus for repairing dents in automobile bodies, comprising, in combination with a jack having a stationary portion and an outwardly movable member, a repair tool having a rigid supporting member connected at one end in fixed relationship with the outwardly movable member of the jack, an elongated working member mounted on the other end of said supporting member, said working member comprising a curved working surface in proximity to one end thereof and being mounted upon a fulcrum near a central portion thereof in a manner such that said working member is normally at an angle to said supporting member and is adapted to move in a curved path around said fulcrum, and means connecting the other end of said working member with the stationary portion of the jack.

2,185,551
SAFETY LOCKING MECHANISM FOR PRESSES AND THE LIKE
Rudolph W. Glasner and Einar K. Johansen, Chicago, Ill.; said Johansen assignor to said Glasner
Application October 27, 1938, Serial No. 237,306
25 Claims. (Cl. 192—144)



1. In a press, a rotatable shaft, a source of actuating power, mechanism for connecting said shaft to and for disconnecting it from said source of power, means for controlling the said mechanism, positive interlocking means independent of said connecting mechanism for locking the shaft against rotation under predetermined conditions, when it is disconnected from said source of power, and means operating automatically upon stopping the source of power, for disconnecting the shaft from said source of power and for rendering the said interlocking means active.

2,185,552
WEED PULLER
Clarence W. Hecox, Arlington, Va.
Application January 9, 1939, Serial No. 250,045
3 Claims. (Cl. 55—148)



1. The combination with a weed puller having a pair of bifurcated jaws, one movable with respect to the other, of an ejector rod arranged along the handle of the device and having a laterally extending portion passing through the tines of said bifurcated jaws, and a spring carried by said laterally extending portion and arranged between said jaws.

2,185,553
FASTENER
Louis J. Hill, Madison, Ind.
Application April 12, 1939, Serial No. 267,503
1 Claim. (Cl. 40—125)



A fastener for securing an automobile license plate to the front of a plate supporting bar, said plate and bar having longitudinally extending mating slots therein, said fastener comprising a bolt having a head and a T-shaped tail end adapted for insertion rearwardly through said slots and turning behind said bar into crosswise position relative thereto, said tail end having angular terminals adapted to overlie the edges of said bar in said crosswise position of said end to interlock with said edges and prevent turning of said bolt, spring means on said bolt adapted to be interposed between the head thereof and said plate to urge said bolt forwardly and thereby urge said head toward said bar, and a locking member attached to said bolt with a snap action adjacent said tail to block withdrawal of said bolt from said slots, said member comprising a radially split disc of resilient material.

2,185,554
SEAL FOR SHAFTS
John T. Janette, Kenilworth, Ill.
Application July 21, 1937, Serial No. 154,837
4 Claims. (Cl. 286—7)



1. Sealing means for rotating shafts, comprising a cup adapted to be mounted in the housing supporting the shaft and making a tight closure therewith, an annular sealing member mounted in said cup which is of substantially larger bore than the diameter of the shaft to which it is to be applied and having one end projecting through the cup for engagement with an abutment on the shaft to make a tight joint, a disc secured in the outer portion of the cup, a spring interposed between the disc and the sealing member, tending to urge the sealing member toward the abutment on the shaft, and a relatively narrow sealing ring between the cup and the sealing member which tends to hold the sealing member centrally disposed in the cup and also makes a tight closure between the cup and the sealing member to prevent oil from passing between the same.

2,185,555
HULL CONSTRUCTION OF A BOAT
John A. Johnson, Los Angeles, Calif.
Application May 3, 1939, Serial No. 271,557
2 Claims. (Cl. 114—79)



1. A metallic boat hull comprising relatively spaced longitudinally extending metallic members of channel iron construction providing a keel, relatively spaced transversely extending metallic members of half round stock welded on said first members and including horizontal and vertical portions, longitudinally extending metallic members of half round stock welded on said vertical and horizontal portions of said second members, outer metallic plates welded onto said longitudinally extending members and having the adjacent edges thereof welded together to form the bottom and outer side walls, horizontally and vertically arranged inner wall plates welded to each other with the horizontal plates resting on and welded to the horizontal portions of the third-mentioned members, and metallic decking plates welded onto the upper edges of the vertical wall plates and the outer wall plates.

2,185,556
GAME
Myron Abner Cameron Johnson, Newark, N. J.
Application March 23, 1937, Serial No. 132,637
2 Claims. (Cl. 273—134)



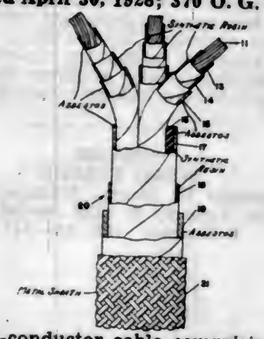
1. A racing game including a spinner having separate routes of travel indicated thereon and extending therearound, said routes being divided into an equal number of spaces, a detachable game piece for each route, means for holding the game pieces to the spinner when rotated, a set of dice to be thrown simultaneously having means on one for determining the number of spaces to be moved by each game piece when played and the other dice having means for indicating flying and non-flying weather conditions to be considered by the player before moving a game piece the number of spaces indicated by the first named die, said spinner being mounted for rotation when a game piece is not moved because of indicated non-flying weather conditions, an indicator on the spinner, and a stationary base having separate means thereon cooperating with the indicator for designating transactions to be performed by the player solely when advancement of the game piece is halted by weather conditions.

2,185,557
ELEVATOR BUCKET
Leon W. Koser, Winnipeg, Manitoba, Canada
Application September 20, 1938, Serial No. 230,836
2 Claims. (Cl. 198—152)



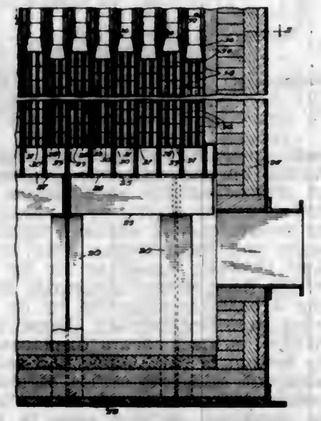
1. An elevator bucket formed from a one-piece patterned blank, said bucket comprising a rear wall, a pair of side walls continuous and integral therewith, a base and a front wall, said side walls converging inwardly towards said base, said base being integral and continuous with said rear wall and curving outwardly and upwardly, the curvature thereof conforming to two arcs, the first arc being struck from a radius of greater length than the height of said rear wall, the second arc being struck from a radius equal to approximately one-half the height of said rear wall, said front wall being continuous and integral with the upper limit of said second arc and an integral flange extending along one edge of each of said side walls, said flange being angulated inwardly and overlapping said base and said front wall to prevent deformity thereof under the weight of material within said bucket.

2,185,558
ELECTRICAL CONDUCTOR
Jesse B. Lunsford, Washington, D. C.
Application February 27, 1935, Serial No. 8,508
5 Claims. (Cl. 174—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



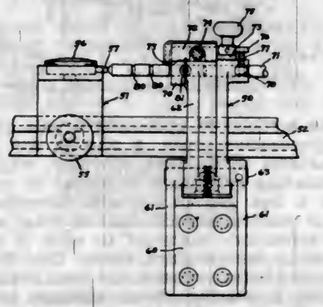
1. A multi-conductor cable comprising a plurality of individual conductors, a sheathing of asbestos individually inclosing each conductor, sheathing of synthetic resin inclosing each asbestos sheathing, a second asbestos sheathing inclosing said synthetic resin sheathing, a common asbestos sheathing inclosing said plurality of conductors and the insulation individual thereto, asbestos fiber filling interstitial spaces between said several conductors, a sheathing of synthetic resin of sufficient thickness to have the desired mechanical strength inclosing said common asbestos sheathing, a second common asbestos sheathing inclosing the last-mentioned synthetic resin sheathing, and a protecting armor inclosing said latter asbestos sheathing, said resin being resistant to deterioration by storage battery electrolyte and fumes and by oil, substantially incombustible in the absence of continued application of heat above its kindling temperature, permanently flexible and of high dielectric strength.

2,185,559
CHECKERWORK CONSTRUCTION FOR REGENERATORS
Albert Mohr, Jr., Chicago, Fredrik Wille, Evanston, and John P. Grilli, Chicago, Ill.
Application March 24, 1938, Serial No. 197,874
7 Claims. (Cl. 263—51)



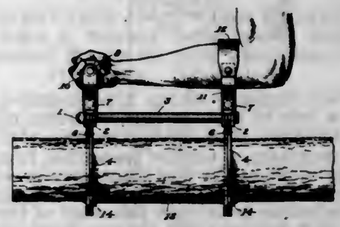
1. A checkerwork construction embodying vertically spaced checker brick, the lower brick being provided with a greater number of flues or passages therethrough than the upper brick, and a checker tile or brick disposed between the first said brick and provided with a full unobstructed Venturi flue therethrough, extending from one end of the brick to the opposite end, said venturi connecting the flue in the upper brick with the flues in the lower brick, all of said brick having plain vertical faces and all flues therethrough being disposed within the confines of the periphery of the brick.

2,185,560
INDEXING ATTACHMENT FOR GRINDING MACHINES
George T. Muskovin, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 2, 1938, Serial No. 238,458
2 Claims. (Cl. 51—165)



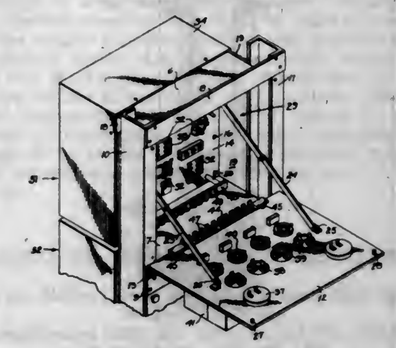
1. In a grinding machine, a base, a table or carriage mounted on said base, a variable stop mounted on one of said parts, an adjustable stop mounted on another of said parts, said variable stop comprising a mounting pad, an arm mounted in said pad for vertical swinging movement, a hub with a bore, a notched rod passing through said bore, a spring-pressed pawl to fit in the notches of said notched rod, said adjustable stop including a clamping device and a locating stop member.

2,185,561
HANDLING DEVICE
Arthur E. Nenstiel, Hazleton, Pa.
Application April 20, 1939, Serial No. 269,029
5 Claims. (Cl. 294—16)



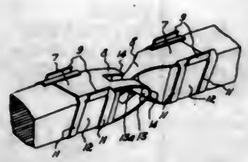
1. A handling device comprising rod like means, work receiving jaws arranged in pairs and pivotally connected to the rod like means, a carrying handle for each pair of jaws and connected to the rod like means, and means bridging the pairs of jaws and providing handles for removing the jaws from the work.

2,185,562
MOUNTING FOR ELECTRICAL APPARATUS
John F. Nielsen, Hollywood, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 11, 1936, Serial No. 95,421
7 Claims. (Cl. 250—16)



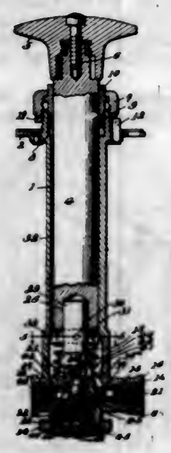
1. A mounting for vacuum tube apparatus including elements capable of producing magnetic fields exteriorly thereof and elements susceptible of being deleteriously affected by said magnetic fields, comprising a pair of spaced vertical panels, said magnetic field producing elements extending to one side of one of said panels and having the electric terminals thereof extending from the opposite side of said panel, said panel having a relatively high magnetic permeability, said susceptible elements extending to one side of the other of said panels and having the electric terminals thereof extending on the opposite side of said last mentioned panel, the terminal sides of said panels facing each other, and electrical connections between the terminals of said two panels.

2,185,563
BELT FASTENER
Neville Alec Palmer, Paddington, near Sydney, New South Wales, Australia
Application August 30, 1938, Serial No. 227,583
In Australia September 7, 1937
5 Claims. (Cl. 24—33)



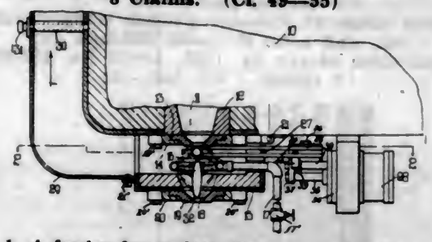
3. A belt fastener of the type specified, comprising a pair of counter-part members pivotally linked together, two limbs integral with each of said members, a tongue projecting from each side edge of one of the said limbs of each counter-part member, and a loop constituting a clamping band projecting from each side edge of the other limb of said member, said tongues being designed to engage the said loops.

2,185,564
ENERGIZER FOR GAS ENGINES
Arthur L. Parker, Cleveland, Ohio
Application November 30, 1938, Serial No. 243,290
In Great Britain November 19, 1938
5 Claims. (Cl. 103—2)



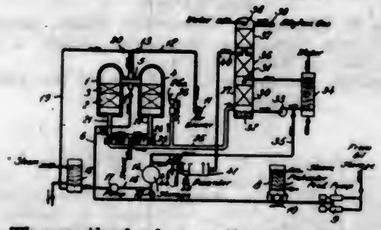
1. An energizer for gas engines comprising a fuel pump having a casing, a reciprocating piston disposed within the casing, a valve housing associated with said pump casing for controlling the distribution of fuel by the pump, a distributing valve mounted in said valve housing, means whereby the piston when at the inner end of its stroke may be connected to said valve so that a rotating movement of the piston will shift the distributing valve to different set positions including a closed position, and yielding means disposed within said pump casing at the inner end of said piston for locking the piston against rotation while connected to the distributing valve so as to hold said valve in a set closed position.

2,185,565
APPARATUS FOR FEEDING MOLTEN GLASS
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application January 26, 1937, Serial No. 122,457
In Great Britain February 7, 1936
8 Claims. (Cl. 49—55)



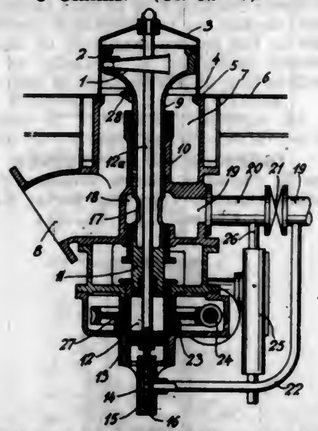
1. A feeder for molten glass comprising a forehearth having an exit orifice for molten glass, a bracket pivoted on the undersurface of the forehearth, a bushing carried by the bracket, defining the margin of said orifice, a unitary casing separate and independent from the forehearth and pivotally supported on the undersurface of the floor of the forehearth, said casing having a bushing supported by its bottom wall defining an orifice coaxially aligned with the first-mentioned orifice, shears displaceable between the bottom of said casing and said forehearth adjacent said exit orifice of said forehearth, means to operate said shears to effect a cutting operation on said glass to produce gathers on entry of the glass within said casing through said exit orifice of said forehearth, heating means within said casing to heat said gathers subsequent to shearing, means for controlling said heat and a controlled flue leading from said heated zone.

2,185,566
PROCESS FOR THE MANUFACTURE OF ETHYLENE
Frank Porter, Syracuse, N. Y., and John Moyle Duncan, Petersburg, Va., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York
Application July 14, 1937, Serial No. 153,496
10 Claims. (Cl. 260—683)



1. The method of operating a pair of refractory regenerative units, A and B, for cracking hydrocarbons to produce ethylene, which comprises heating refractory material in unit A by passing a hot gas in contact therewith while unit B is maintained idle and at least a portion of the refractory material in unit B is maintained at a temperature above 780° C., subsequently and before substantial heat is abstracted from unit A passing steam through unit A to heat said steam, forming a mixture of said steam with the hydrocarbon to be cracked and passing the mixture through unit B while refractory material in unit B is at a temperature between 780° C. and 1050° C., subsequently heating refractory material in unit B by passing a hot gas in contact therewith while unit A is maintained idle and at least a portion of the refractory material in unit A is maintained at a temperature above 780° C., subsequently and before substantial heat is abstracted from unit B passing steam through unit B to heat said steam, forming a mixture of said steam with additional hydrocarbon to be cracked, and passing said mixture through unit A, while refractory material in unit A is at a temperature between 780° C. and 1050° C.

2,185,567
EMPTYING APPARATUS FOR DIFFUSERS, PULP BINS, AND THE LIKE FOR THE MANUFACTURE OF CELLULOSE AND PAPER
Olaf Qviller, Oslo, Norway
Application October 27, 1937, Serial No. 171,396
In Sweden December 7, 1936
8 Claims. (Cl. 92—7)



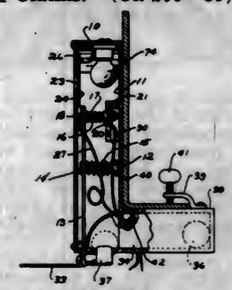
1. A discharge device for diffusers and the like in the manufacture of cellulose and paper, comprising a casing having an outlet, a bell forming a valve controlling the outlet, means to supply water under pressure to the inside of the bell to actuate the bell for opening the outlet, a pivotal rinsing nozzle having an inlet connected with the water under pressure supplied to the bell and having an outlet controlled by the valve so as to be opened by the same during the valve lifting motion.

2,185,568
METHOD OF SHAPING AIR FILLED RUBBER TO FORM CUSHION GRIPS FOR STEERING WHEELS
Morris B. Ratner, Phoenix, Ariz.
Application March 6, 1936, Serial No. 67,544
1 Claim. (Cl. 18—59)



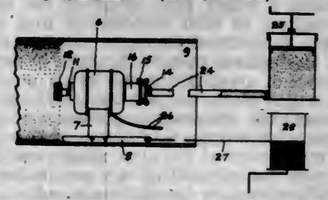
A method of forming an annular hand grip of soft sponge rubber for a steering wheel rim comprising applying a strip of sponge rubber stock about the rim of a wheel for the entire circumference thereof, applying the wheel to a mold having an annular chamber with the rim centered in the chamber, subjecting the mold to pressure to evenly distribute the stock and completely fill the mold and shape the stock about the rim, transferring the wheel to a second mold having a chamber of greater diameter than the chamber of the first mold and disposing the covered rim in centered relation to the mold chamber, and subjecting the second mold to heat to expand the stock to completely fill its chamber and cure the expanded stock to form a soft sponge rubber grip extending entirely about and enclosing the rim.

2,185,569
DIRECTION INDICATOR SWITCH
John E. Regnas, Indianapolis, Ind.
Application March 15, 1939, Serial No. 261,933
11 Claims. (Cl. 200—59)



1. In a switching device for direction indicators, a vertical housing having a pair of windows, a lamp in the housing, a switch member in the housing having a shield and shiftable in a vertical plane to alternately cover the windows with the shield, a contact member in the path of said switch member optionally contacted by movement of the switch member, a shiftable weight member, means for carrying the weight member substantially horizontally to a forward position, a weight shifting member actuated by said switch member to initiate at least movement of the weight member toward said position when contact is made, said weight member being subject to inertia upon bodily movement of said device in the direction of said position, whereby said movement will cause said device to move ahead of movement of the weight member and cause it to strike said weight shifting member and return said switch member to an "off" position.

2,185,570
LINING OF PIPES WITH CEMENTITIOUS MATERIAL
Harry Ridley, Bronte, near Sydney, New South Wales, Australia
Application July 30, 1937, Serial No. 156,601
In Australia July 30, 1936
3 Claims. (Cl. 91—44)



3. Means for lining the interior of pipes, in situ, comprising, a motor and a slinger driven by the motor, said slinger comprising a hollow head having a plurality of annular peripheral

outlets, a flexible connection communicating with the slinger head for supplying fluid material thereto for lining the pipes, and a cradle including a pair of skids adapted to be pulled along the pipe, said cradle supporting the motor and slinger substantially co-axially with the pipe to be coated.

2,185,571
COMBINED BUCKLE AND ZONAL WOUND COMPRESSION PLATE
Wallace W. Robinson, Portland, Maine
Application August 1, 1938, Serial No. 222,344
3 Claims. (Cl. 128—327)



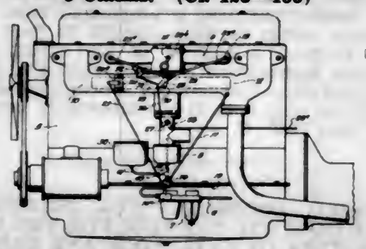
1. In a device of the class described comprising a member embodying two side walls, bridge-bars transversely interconnecting said side walls, one of said bars at each end of said device, said walls and said bridge-bars together defining a large, central opening in the top of said device, and a strap-receiving aperture in each of said side walls.

2,185,572
WINDSHIELD WIPER
Guy S. Sawyer, San Antonio, Tex.
Application September 12, 1938, Serial No. 229,627
2 Claims. (Cl. 15—255)



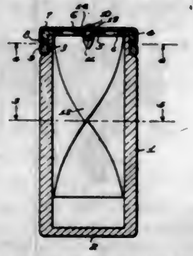
1. A wiper for a windshield having a frame, comprising a wiper arm mounted for oscillation with relation to said windshield and including telescopic interfitted sections, one slidable relative to the other, means constantly urging the outer section away from the pivot point of the arm, a wiper blade carried by said outer section and extensible therewith, means on the blade having trackage upon said frame remote from the axis of movement of the arm, means carried within the arm for extending the said outer section, and resilient means for the blade normally holding the same aligned with said arm but permitting swinging of the said blade about said trackage means when the latter is restrained from translatory movement.

2,185,573
FUEL FEED FOR INTERNAL COMBUSTION ENGINES
Clarence E. Spindler, Blue Island, Ill.
Application June 25, 1938, Serial No. 215,864
5 Claims. (Cl. 123—133)



1. In a charge forming device for an internal combustion engine including a carburetor, an exhaust heated vaporizer associated with the exhaust pipe of said engine and a two-way valve for selectively feeding fuel to said carburetor and vaporizer; means for transmitting fuel from said vaporizer to the intake manifold of said engine, said means including a plurality of conduits each leading to a different point of said manifold.

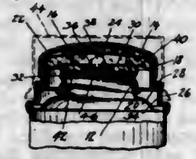
2,185,574
DISPENSING CONTAINER
Owen F. Steward, North Woodbury, N. J.
Application October 18, 1938, Serial No. 235,647
1 Claim. (Cl. 65—57)



A dispensing container comprising a receptacle having a cylindrical externally threaded neck, a cap-like spider having a hub part and circular discharge apertures therein grouped about said part and a circular edge flange threaded onto said neck and provided with a circumferential groove therein, a circular foraminous spray cap fitting flush over said spider and having a right-angled continuous edge flange fitting into said groove and permanently locking said cap to said spider for rotation thereon, a helical blade in said receptacle, and a stud having its opposite ends fixed in said cap and one end of said blade, respectively, and extending loosely through said hub whereby said blade is rotatable by said cap.

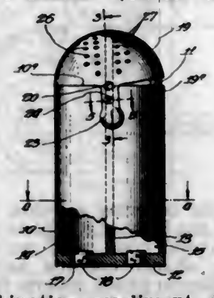
2,185,575
DISPENSING CAN FOR CLEANING LIQUID
Philip M. Stinson and Allen P. Richards, Detroit, Mich., assignors to Michigan Metalcraft Company, Detroit, Mich., a corporation of Michigan
Application March 28, 1938, Serial No. 198,347
6 Claims. (Cl. 15—134)

1. A liquid dispensing container comprising a can having a threaded neck, a cap having a perforated crown provided with a skirt terminating in an outward flange, a porous wiping pad extending over said crown and skirt, a skirt retaining ring forming an extension of the skirt of the crown and receivable thereover and having an interior flange gripping the wiping pad against the outward flange of the crown skirt, a threaded socket supported within said cap spaced inwardly from the skirt and engageable with the neck of the can to secure the cap thereto, such



socket having an apertured closure for the neck of the can, an apertured sealing gasket between said socket closure and can neck, an apertured sealer gasket between said crown and socket closure spacing the crown above said closure and forming a liquid containing compartment therebetween, and a check valve controlling the aperture through said closure.

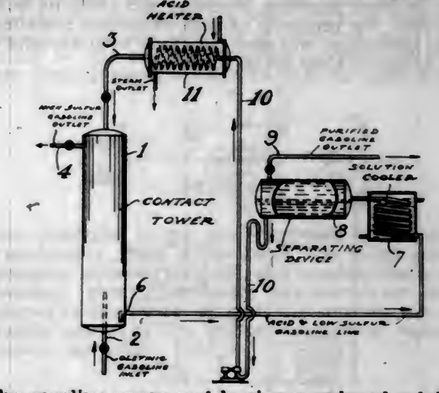
2,185,576
CONDIMENT DISPENSER
Peter J. Tarantolo, Chicago, Ill.
Application November 25, 1938, Serial No. 242,365
5 Claims. (Cl. 65—45)



4. A combination condiment dispenser comprising a container formed with a partition to define a pair of laterally spaced compartments, a domed top for the container and formed with a set of perforations for each compartment, a cap slidable over the dome with a pivotal movement to uncover either set of perforations, the sides of the cap being pivoted to the container, and extensions of the cap beyond the pivots for manual actuation to operate the cap.

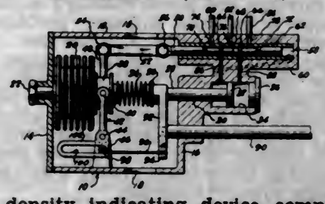
2,185,577
DESULPHURIZATION OF GASOLINES
Alexis Voorhies, Jr., and Eldon E. Stahly, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 23, 1936, Serial No. 117,357
7 Claims. (Cl. 196—31)

1. A process for desulphurizing sulphur containing gasoline composed predominantly of olefinic polymers which comprises intimately mixing said gasoline with sulphuric acid of between about 45 and about 75% concentration and at a temperature sufficient to render a substantial part of said acid miscible with said polymers, separating the resulting mixture into a hydrocarbon layer containing more sulphur than said gasoline originally contained and a sulphuric acid layer containing hydrocarbon polymers and less of the sulphur compounds than said polymers originally contained, and recovering from said sulphuric acid layer a hydrocarbon mixture boiling within



the gasoline range and having a reduced sulphur content.

2,185,578
DENSITY RESPONSIVE DEVICE
Guy E. Beardsley, Jr., West Hartford, and John S. Hasbrouck, Manchester, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 30, 1936, Serial No. 118,314
22 Claims. (Cl. 73—4)

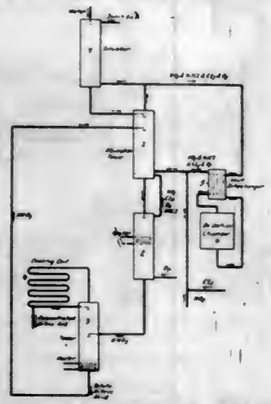


8. A density indicating device comprising, a sealed expansible bellows which tends to expand when the pressure of the medium surrounding said bellows is less than the pressure within said bellows, a spring opposing expansion of said bellows, a movable abutment for said spring, power operated means actuated by said bellows and connected with said movable abutment to vary the force exerted by said spring to maintain the volume of said bellows substantially constant, temperature responsive means, a connection of variable mechanical advantage between said temperature responsive means and said bellows for modifying the actuation of said power operated means by said bellows, a member connected to and movable with said movable abutment, a pointer operated by said member and a dial associated with said pointer for indicating the density of the medium surrounding said bellows.

2,185,579
PROCESS FOR THE PRODUCTION OF NITRIC ACID
Herman A. Beekhuis, Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
Application November 9, 1933, Serial No. 697,240
Renewed October 27, 1938
12 Claims. (Cl. 23—162)

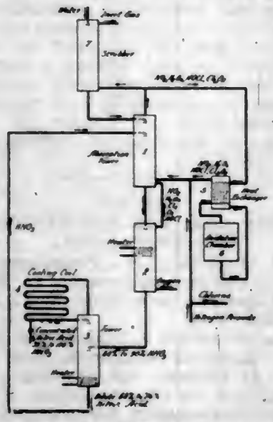
9. The process for the production of nitric acid which comprises reacting nitrogen peroxide with an aqueous liquid in the presence of chlorine with

the formation of nitric acid and nitrosyl chloride, oxidizing the nitrosyl chloride by means of oxygen, to form nitrogen peroxide and chlorine and reacting the products of said oxidation together with additional nitrogen peroxide with an aqueous liquid to form nitric acid.



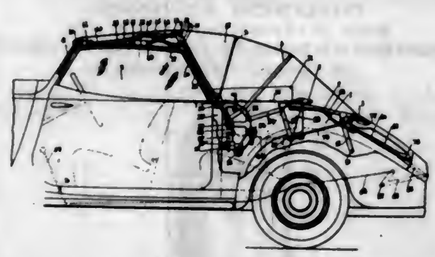
11. The process for the production of nitric acid from nitrosyl chloride and nitric oxide which comprises oxidizing said nitrosyl chloride by means of oxygen to form a gas mixture containing nitrogen peroxide, chlorine and unreacted oxygen, thereafter introducing nitric oxide into said gas mixture and preferentially reacting said nitric oxide to produce nitrogen peroxide with the free oxygen instead of with the free chlorine in said gas mixture, reacting the nitrogen peroxide in the resulting gas with an aqueous liquid and chlorine contained in the gas at a temperature at which the nitrogen peroxide is absorbed by said aqueous liquid and reacts with water contained therein to form nitric acid and nitric oxide and this nitric oxide reacts with the chlorine to form nitrosyl chloride.

2,185,580
PROCESS FOR THE PRODUCTION OF NITRIC ACID
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application August 20, 1938, Serial No. 225,872
11 Claims. (Cl. 23—160)



6. In a process for the production of concentrated nitric acid by reacting nitrogen peroxide and an aqueous nitric acid containing substantially 70 parts or more HNO_3 to 30 parts H_2O to form a nitric acid containing an increased proportion of HNO_3 to H_2O that improvement which comprises reacting said nitrogen peroxide and aqueous nitric acid in a reaction mixture containing concentrations of nitrogen peroxide and nitric acid for which the equilibrium partial pressure of nitric oxide is below 0.01 atmosphere, containing free chlorine in amount sufficient to reduce the partial pressure of nitric oxide of said reaction mixture to below said equilibrium partial pressure and containing said chlorine, nitrogen peroxide and H_2O and HNO_3 in said aqueous nitric acid in proportions resulting in the formation of a nitric acid containing dissolved therein more than 0.5% total chlorine (calculated as HCl).

2,185,581
DISAPPEARING HOOD FOR MOTOR VEHICLES
Maurice Bessonneau, Puteaux, France
Application October 26, 1935, Serial No. 46,845
In France October 27, 1934
10 Claims. (Cl. 296—136)

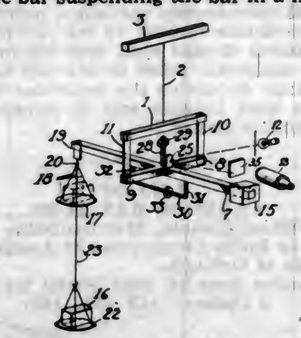


1. A device for covering a recess provided at the rear end of the body of a vehicle and adapted to contain a folded hood, said recess having a substantially U shaped opening, said device including a transverse panel, means for mounting said panel for movement to occupy a working position in which it covers the part of said opening corresponding substantially to the middle part of said U, and a rest position in which said part is discovered, at least two rigid flaps, means for mounting said flaps for pivotal movement substantially about edges of said opening corresponding to the respective branches of said U to occupy a position covering the parts of said recess corresponding substantially to the branches of said U and a second position in which said flaps are disposed substantially vertically, and operating means for said flaps.

2,185,582
MULTIPLE COMPONENT GRAVITY BALANCE
Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 29, 1935, Serial No. 38,350
7 Claims. (Cl. 265—1.5)

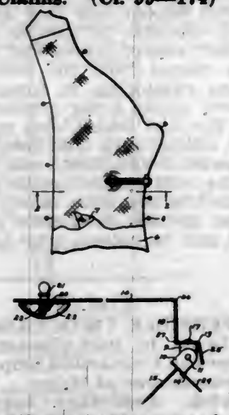
1. A gravity balance, comprising a beam, a weight secured directly to one end of the beam, a weight suspended from the other end of the beam, and a suspension system for the beam comprising shoulders protruding laterally from the beam, a bar disposed above the shoulders suspending the shoulders by spaced filaments whereby vertical deflection of the beam is permitted,

and a filament attached to an intermediate portion of the bar suspending the bar in a horizontal



position whereby horizontal deflection of the beam is permitted.

2,185,583
AUXILIARY SECURING MEANS FOR BEEF WRAPPERS
Steven Bohte, Denver, Colo.
Application March 15, 1939, Serial No. 262,076
6 Claims. (Cl. 99—174)

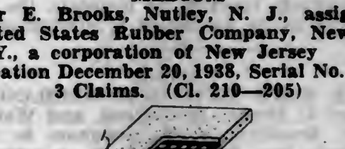


1. In combination a beef carcass having a depressed area in its outer surface, a cloth stretched over the outer surface of the carcass and secured thereto along its edges, and means for pressing the cloth into contact with the surface of the depressed area, said means comprising an arm having one end resiliently attached to the carcass and projecting over the depressed area, and means on said arm for engaging the cloth surface to exert pressure thereon.

2. A device for urging a carcass cover cloth into contact with the surface of a depressed area in the carcass surface, comprising, in combination, an anchor member provided with spikes for attaching it to the carcass, an arm pivotally attached to the anchor member, and means comprising a spring for exerting a force on the arm to turn it about its pivot.

2,185,584
MUFFLER
Hiram H. Boyce, Denver, Colo., assignor of one-half to Glenn W. Pierce, Denver, Colo.
Application June 13, 1938, Serial No. 213,435
3 Claims. (Cl. 183—49)

2. A filter element for use in an elongated tubular muffler having an intake opening at one end and an outlet at the other end, comprising two elongated tubular screen sections of the same length, one being smaller than and positioned concentrically within the other, spacing rings between the screen sections at each end, a cap applied to one end to close the opening through the filter element, the other end being open, gran-



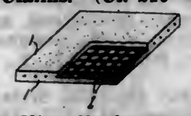
ular material in the space between the screens, reenforcing rings surrounding the outer screen member between its ends, and longitudinally extending circumferentially spaced strips positioned in the space between the screens, the opposite edges of the strips contacting opposed screen surfaces.

2,185,585
LUG STRAP
Breckinridge T. Clark, Danielson, Conn., assignor to E. H. Jacobs Manufacturing Company, Inc., Danielson, Conn., a corporation of Connecticut
Application January 14, 1938, Serial No. 184,998
1 Claim. (Cl. 139—153)



A rivetless lug strap and interlocking plug construction, comprising a U-shaped lug strap formed of inter-rolled canvas and adhesive, having a depression in the U-portion extending substantially throughout the entire area of said U-portion and along each arm, providing relatively thin inwardly extending flange portions equal to the normal width of the lug strap at said U-shaped portion, a plug adapted to cooperate with said lug strap and to fit within said depression, said plug being constructed and arranged to be retained by the inwardly extending top and bottom flange portions, said plug and lug strap being retained in interlocking operative position independently of any rivets.

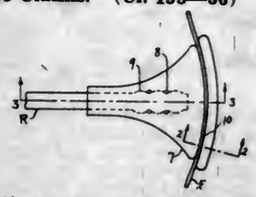
2,185,586
MICROPOROUS RUBBER FILTERING MEDIUM
Arthur E. Brooks, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 20, 1938, Serial No. 246,789
3 Claims. (Cl. 210—205)



1. A flexible filter diaphragm composed essentially of flexible microporous vulcanized hard rubber composition, said composition per se having a low bursting strength, in combination with an embedded integral permanent reenforcement of a layer of foraminous corrosion-resistant webbing of a character which does not substantially lessen the water permeability of the microporous rubber composition, the reenforced diaphragm as a whole being further characterized

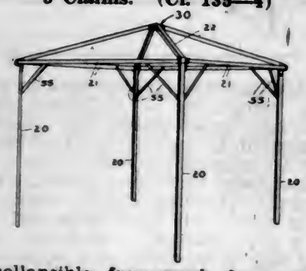
as having a high bursting strength and being capable of being folded on itself without breaking.

2,185,587
UMBRELLA RIB TIP
Richard Wallace Carlisle, Elmsford, N. Y.
Application September 24, 1936, Serial No. 102,289
13 Claims. (Cl. 135—36)



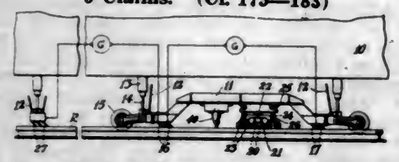
1. A blunt tip for an umbrella rib comprised of a member much broader than said rib, in combination with a covering, said broad member being disposed along said rib extending inwardly from the outer end thereof and substantially in a plane juxtaposed to said covering, and said member having along the outer edge thereof means for affixing said covering thereto.

2,185,588
TENT
Joseph A. Datz, Union, N. J.
Application April 4, 1939, Serial No. 265,902
5 Claims. (Cl. 135—4)



1. A collapsible framework for a tent, said framework having in combination corner posts, corner plates secured to either side of said corner posts, rafter members pivoted between each pair of corner plates, a center head in which said rafter members are pivoted, and side bars extending between said corner plates, the length of said side bars being slightly more than the distance between said corner plates so that they are under a slight compression when in position and effectively function to maintain the entire framework in its assembled or erected position.

2,185,589
RAIL FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, and Walter M. Perry, Brooklyn, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application May 20, 1936, Serial No. 80,746
9 Claims. (Cl. 175—183)



1. A method of flaw detection which consists in passing current through the rail by inlet and outlet brushes to establish an electromagnetic field surrounding the same, moving a flux responsive device relative to the rail for detecting variations in said field, and eliminating the effect of magnetic poles in the rail surface by momentarily disturbing the molecules of the rail after the inlet brushes and in advance of the flux responsive device.

2,185,590
CATHODE RAY TUBE
David William Epstein, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 18, 1937, Serial No. 148,832
4 Claims. (Cl. 250—155)



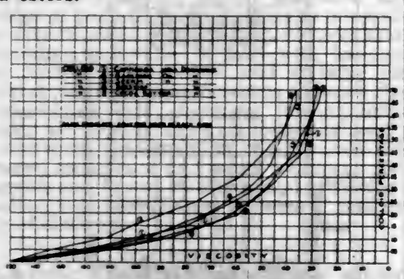
3. A cathode ray tube comprising an envelope, means for developing a cathode ray beam including an electron emitter, a cylindrical first anode and a second anode, said first anode having a plurality of electron permeable apertures circumferentially spaced thereabout and positioned in an area spaced from the ends thereof, said anodes being cylindrical in form, the diameter of the second anode being greater than the diameter of the first anode, and means for positioning the anodes such that their axes coincide with the axis of the tube, said second anode overlying the electron permeable portion of said first anode whereby stray electrons may pass through the electron permeable portion of said first anode and be collected by said second anode.

2,185,591
DISPERSIBLE THIOCARBANILIDE
David W. Jayne, Jr., Port Chester, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 24, 1938, Serial No. 226,583
5 Claims. (Cl. 252—9)

1. A dispersible thiocarbanilide comprising thiocarbanilide, the individual particles of which are coated with a film of a hydrophilic, readily rehydratable protective agent belonging to the group consisting of rehydratable carbohydrate colloids, alcohol slops from the fermentation of molasses to produce ethyl alcohol, lignin sulfonates and saponins, the product being readily dispersible in water and remaining dispersed in froth flotation operations.

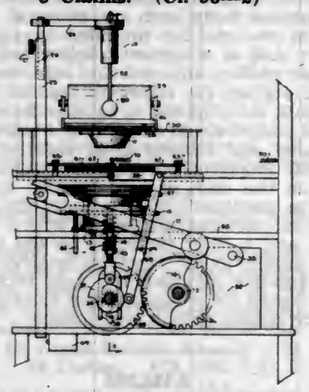
2,185,592
PROCESS OF MAKING A VISCOSITY LOWERING CONDENSATION PRODUCT FROM HIGHER FATTY ACIDS AND ESTERS THEREOF
Stroud Jordan, Brooklyn, N. Y.
Application August 29, 1934, Serial No. 741,936
Renewed November 2, 1938
13 Claims. (Cl. 260—398)

1. A process of making a fat soluble condensation product comprising reacting a material of the class consisting of fatty carboxylic acids of animal and vegetable oils, fats and waxes or a mixture of two or more such acids, with phosphorus pentoxide (P_2O_5) under a controlled heating starting at a temperature of boiling water to the point of degradation of the materials, the proportion of P_2O_5 being such that the reaction is a condensation to enlarge the molecular structure without the formation of phosphoric acid esters.



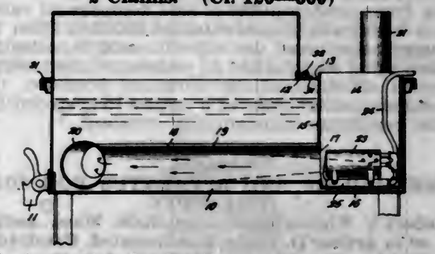
12. A process of making a fat soluble condensation product comprising reacting a material of the class consisting of fatty carboxylic acids of animal and vegetable oils, fats and waxes dissolved in a solvent with less than ten percent by weight of phosphorus pentoxide (P_2O_5), the temperature of the reaction being controlled to provide a condensation reaction of the acids without the formation of phosphoric acid esters and continuing the condensation reaction to the point of degradation of the material.

2,185,593
WRAPPING MACHINE
George Kaeding, Astoria, and Hans Hoyer, Ozone Park, N. Y.
Application July 27, 1937, Serial No. 155,856
5 Claims. (Cl. 93—2)



1. A wrapping machine for articles of candy and the like, comprising a holder adapted to receive the stick of a piece of candy therein, means for temporarily retaining said stick in the holder, a funnel-shaped member arranged below said holder, and adapted to receive a sheet of paper disposed on the top thereof, a revolving drum centrally arranged below the latter, a switch connection arranged in said holder adapted to be closed by the stick of said piece of candy and means controlled by said switch to set the holder in motion in a downward direction, whereby to convey the candy with the paper into said drum, jaws pivotally connected to the drum and mechanism to engage said jaws with the candy, a pair of twisters arranged above said drum means to actuate said twisters to twist the sheet of paper around the stick of the piece of candy, and comprising a gear-actuated arm connected to said twisters.

2,185,594
IMMERSION HEATER FOR BITUMINOUS MATERIALS AND THE LIKE
George P. Kittel, Englewood, N. J.
Application November 17, 1937, Serial No. 175,045
2 Claims. (Cl. 126—360)



1. Apparatus for heating and melting bituminous materials including in combination an open top receptacle for said materials, and a removable immersion heating unit comprising a cover panel provided with an opening and adapted to be supported on the top of the receptacle adjacent one end thereof, an open top housing secured at its upper end to the cover at the opening and depending therefrom, a flue having a lead secured to and communicating at one end with the lower portion of said housing and extending substantially horizontally towards the remote end of the receptacle, a pair of horizontally disposed reversely directed side leads communicating at one end with the remaining end of the first lead and extending substantially horizontally therefrom towards the housing, an upwardly directed exhaust terminal at the remaining end of each side lead extending upwardly through and secured to said cover panel, and a jet-type burner having a directed flame adapted to be positioned in said housing so that the flame is directed into and longitudinally of said first-mentioned flue lead.

2,185,595
DISTILLATION METHOD AND APPARATUS
Robert V. Kleinschmidt, Stoneham, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application December 9, 1936, Serial No. 114,889
22 Claims. (Cl. 202—75)



11. A method of distillation which comprises

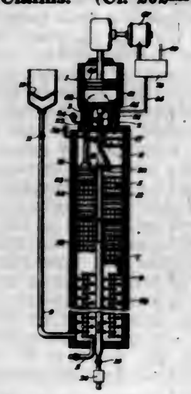
causing vapor to be evolved from a solution into a vaporization zone, compressing the evolved vapor to a pressure at which the condensing temperature of the compressed vapor is substantially above the boiling point of said solution, bringing the compressed vapor into out-of-contact heat exchange with said solution in said vaporization zone and condensing said vapor while in said heat exchange relation with said solution, preheating solution to be vaporized by out-of-contact and counterflow heat exchange with the liquid resulting from condensation of said compressed vapor, and withdrawing concentrated solution from the vaporization zone, the vapor in said vaporization zone being maintained in communication with a region of substantially constant pressure, this communication being of a nature to keep distillation conditions substantially constant.

2,185,596

METHOD OF AND APPARATUS FOR DISTILLATION

Robert V. Kleinschmidt, Stoneham, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts

Application October 12, 1938, Serial No. 234,523
8 Claims. (Cl. 202—75)



8. A method of instituting and maintaining distillation which comprises introducing a solution into a vaporization zone, withdrawing gaseous fluid from said vaporization zone, compressing the withdrawn gaseous fluid and thereby increasing the temperature thereof, directing the gaseous fluid after compression thereof into direct contact with solution in said vaporization zone until the proportion of vapor in said zone is increased and until the temperature in said zone is increased, continuing to withdraw gaseous fluid containing said vapor from said zone and to compress it after the withdrawal thereof, then directing the compressed gaseous fluid containing vapor into out-of-contact heat exchange with solution in said vaporization zone and discontinuing to direct the compressed gaseous fluid into direct contact with solution in said vaporization zone while continuing to maintain distillation of solution in said zone, concentrated solution being withdrawn from said zone while distillation is maintained.

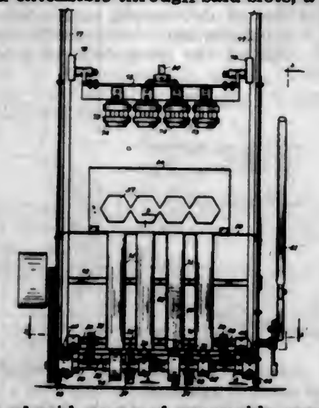
2,185,597

MACHINE FOR THE MANUFACTURE OF POROUS PIPE

Karl Klemschofski, Little Ferry, and Paul Vrana, West New York, N. J.

Application July 10, 1937, Serial No. 152,908
7 Claims. (Cl. 25—30)

1. A two-composition porous pipe mold, comprising a tubular mold core slotted in opposite sides, separator blades collapsible in said tubular core and extensible through said slots, a pallet at



the foot of said core and removable over the top of the same and a mold side wall positioned on said pallet and engageable by said separator blades when the latter are extended.

2,185,598

FILTER GRIP FOR CIGARETTE HOLDERS

Emil Lackow and Moses Prozan, Brooklyn, N. Y.

Application February 8, 1938, Serial No. 189,294
4 Claims. (Cl. 131—187)



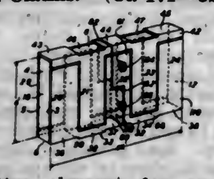
1. A filter grip for cigarette holders comprising a tubular body with an external threaded portion at one end for threaded engagement in the outer end of a cigarete holder mouthpiece, a shoulder portion adjacent the outer end of said threaded portion for engaging against the outer end of said mouthpiece, a tubular member into the outer end of which one end of a cigarette may be engaged and formed with external threads threadedly engaging through said tubular body, flanges on the ends of said tubular member, a transverse partition intermediate the ends of said tubular member and formed with a restricted passage, and a filter mounted on the inner end of said tubular body, whereby relative positions of said tubular member and said tubular body may be varied for changing the position of said filter with respect to said mouthpiece.

2,185,599

PIEZOELECTRIC APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1936, Serial No. 65,022
24 Claims. (Cl. 171—327)



1. A selective element for an electric wave filter comprising a piezoelectric element, means

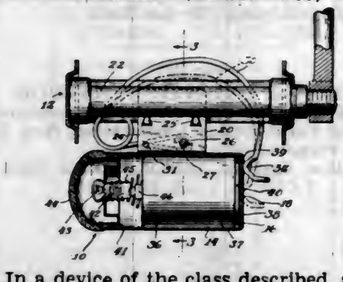
for driving said piezoelectric element in a selected odd harmonic frequency mode of vibration thereof, said piezoelectric element having electrode surfaces of such selected shape as to substantially eliminate coupling between said selected vibration and any other vibration in said element, said driving means including an odd number of pairs of plated electrodes integral with and oppositely disposed on said surfaces and corresponding in number of pairs with the order of said harmonic frequency, and metallic plating integral with said piezoelectric element for interconnecting said electrodes, means including divided portions of the middle pair of said pairs of electrodes for providing two separate circuits of equal impedance and equal frequency for said element, and means clamping and providing connections with said divided portions of said middle pair of electrodes.

2,185,600

LIGHTING DEVICE FOR USE ON BICYCLES AND THE LIKE

James G. McComb, Chicago, Ill.

Application November 25, 1938, Serial No. 242,181
5 Claims. (Cl. 240—7.55)



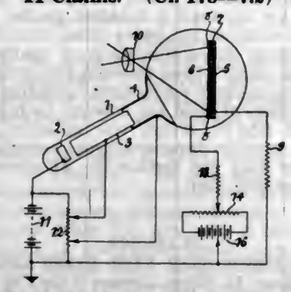
2. In a device of the class described, a housing adapted to contain a battery cell and electric light bulb, clamping means for securing said housing to a pedal of a bicycle, a switch member mounted on said housing, and in off position, normally projecting above the surface plane of said pedal, said switch member adapted to be locked in off position and when so locked to assume a position below the surface plane of said pedal to prevent the actuation of said switch member.

2,185,601

ELECTRONIC IMAGE INDICATING DEVICE

James Dwyer McGee, George Stanley Percival Freeman, and William Stewart Brown, London, England, assignors to Electric & Musical Industries Limited, Middlesex, England

Application June 5, 1936, Serial No. 83,642
In Great Britain June 6, 1935
11 Claims. (Cl. 178—7.2)



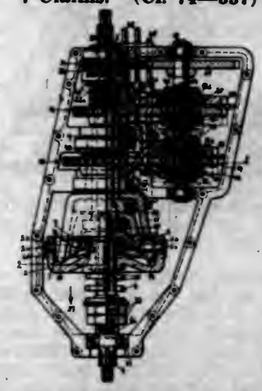
1. An electronic image transmitting tube including a mosaic screen comprising a signal plate and a multiplicity of conducting elements insulated from one another and from the signal plate, a cathode ray gun for furnishing a narrow beam of electrons adapted to scan said screen, said screen having on the scanned side thereof a border of conducting material, the capacity of the conducting border to said signal plate being greater than the capacity of any of said elements to said signal plate, and means for maintaining said border at a definite potential relative to the potential of said signal plate.

2,185,602

AUTOMATIC CHANGE-SPEED GEAR

Heinrich Metzler, Feldkirch, Voralberg, Austria

Application November 11, 1936, Serial No. 110,221
In Germany November 13, 1935
7 Claims. (Cl. 74—337)



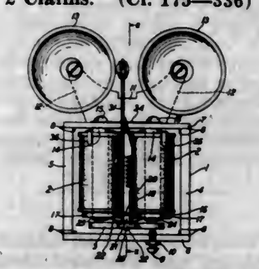
1. In an automatic change-speed gear having free-wheeling between the transmission speeds, a rotating cam face associated with each speed, each of said cam faces being concentrically disposed with respect to the others and load-connected drivers jointly spring urged against said cam faces, the cam faces' highest point projecting in each position beyond the cam face of the next higher speed, the steepness of said cam faces being such as to balance the spring effort influencing the drivers for any given load-transmission ratio.

2,185,603

ELECTROMAGNETIC DEVICE

Daniel D. Miller, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

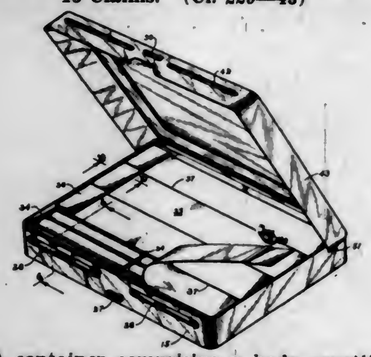
Application January 7, 1939, Serial No. 249,824
2 Claims. (Cl. 175—336)



1. In an electromagnetic device comprising a pair of electromagnets supported in parallel spaced relation, an armature operated by means of said electromagnets and a yoke extending across and supported on said electromagnets, spaced projections on said yoke extending normal to the plane of said yoke and a bowed spring secured at its end portions to said yoke and se-

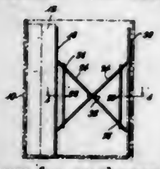
cured at its central portion to the central portion of said armature and pivotally supporting said armature on said projections.

2,185,604
CONTAINER
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application June 17, 1936, Serial No. 85,630
15 Claims. (Cl. 229—43)



1. A container comprising a body constituted by a blank having the marginal portion drawn into flanged relation with the central portion thereof, a flanged closure member inserted in the open end of said body and adhesively secured therein, and a cover for said body constituted by a blank having the marginal portion drawn into flanged relation with the central portion thereof and adapted to telescopically receive said body.

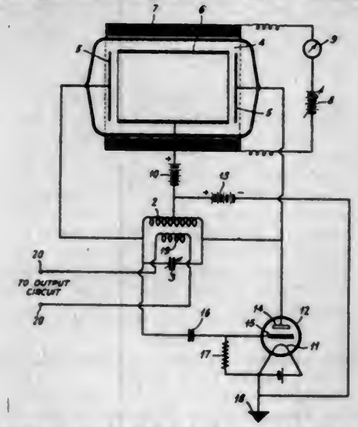
2,185,605
PACKAGE ACCESSORY
John M. Murphy, Shamokin, and Thomas A. Burba, Jr., Paxinos, Pa.
Application April 25, 1938, Serial No. 204,168
9 Claims. (Cl. 206—41)



1. An accessory for packages of elongated articles comprising a spring mechanism adapted to be placed in contact with said articles to advance the same toward an opening in the package, said spring mechanism consisting of a pair of interconnected arms foldable upon themselves about a transverse line located intermediate their ends, and means interconnecting the ends of each of said arms for moving the same to folded position.

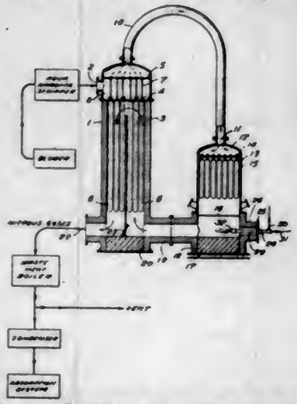
2,185,606
FREQUENCY STABILIZER
Richard Orthuber and Eberhard Steudel, Berlin, Germany, assignors to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application February 26, 1937, Serial No. 127,840
In Germany February 26, 1936
6 Claims. (Cl. 250—36)

1. In combination, a thermionic oscillator including an oscillatory tank circuit, secondary emission means having a predetermined resonant operating frequency, and means for connecting



said means in parallel with the oscillatory tank circuit for stabilizing the oscillator.

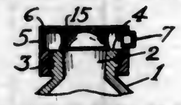
2,185,607
AMMONIA OXIDATION METHOD
Ralph S. Richardson, Scarsdale, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1938, Serial No. 203,911
2 Claims. (Cl. 23—162)



1. In the production of oxides of nitrogen by the catalytic oxidation of ammonia, a method of starting the process which comprises passing a stream of air through a catalyst gauze, then injecting hot combustion gases other than the gases resulting from the combustion of ammonia into said stream of air, then passing the resulting hot gas mixture in heat exchanging relation with an earlier portion of said air stream to preheat the latter and finally, when the catalyst gauze is heated to ignition temperatures, vaporizing ammonia into said air stream in advance of said heat exchanging step.

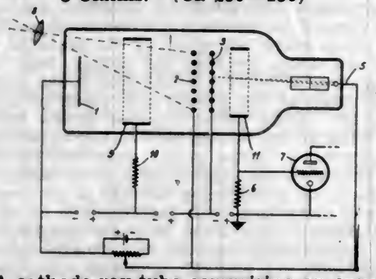
2,185,608
DISPENSER TOP FOR CONTAINERS
William H. Rose, Jersey City, N. J.
Application December 24, 1937, Serial No. 181,668
8 Claims. (Cl. 221—147)

1. A dispensing closure for the outlet of a container for liquids, comprising a cap of resilient material, including a top portion and a body portion having side walls engaging and extending vertically upward beyond the edges of said outlet, a chamber within the cap above the out-



let, and opening downwardly therethrough into direct communication with the container, plug means for said outlet dependent within the chamber from said top portion and means for expelling liquid from said chamber by compression of the cap when the container is inverted.

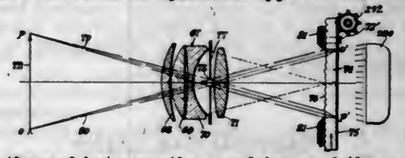
2,185,609
CATHODE RAY TUBE FOR TELEVISION PICTURE SCANNING
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 18, 1937, Serial No. 126,315
In Germany February 7, 1936
3 Claims. (Cl. 250—150)



2. A cathode ray tube comprising an envelope, means in one end of the envelope adapted to produce a flooding stream of electrons, a light responsive electron permeable grid structure upon which a light image is adapted to be projected positioned intermediate the ends of the envelope comprising a plurality of insulated elementary light responsive elements, a mosaic electrode structure positioned adjacent to and parallel with said grid structure and comprising a plurality of insulated elements adapted to assume an electrical charge from the flooding electrons in accordance with the modulation of the flooding stream of electrons as produced by the light values projected on corresponding elements of said grid structure, and means in the other end of the envelope adapted to systematically scan said mosaic electrode structure to produce a series of picture signals.

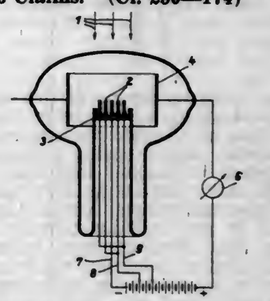
2,185,610
METHOD OF AND APPARATUS FOR MAKING A MOTION PICTURE RECORD
Thomas Stephen, New York, and Richard K. Parsell, Brooklyn, N. Y.; said Parsell assignor to said Stephen
Application February 8, 1936, Serial No. 62,900
9 Claims. (Cl. 88—16.8)

1. Cinematographic apparatus which comprises a shield having an image aperture, a second shield spaced from the first shield having a film gate therein, a conjugate focal lens structure that has an image plane at said image aperture and that is on the remote side of said image aperture from said film gate, a compensating lens of spherical type between said image aperture and said film gate adapted to cause rays of light meeting at a point at said image aperture to travel in parallel relation between said compensating lens and said film gate, a film having an emulsion on one side thereof and a plurality of lens elements of spherical type on the other



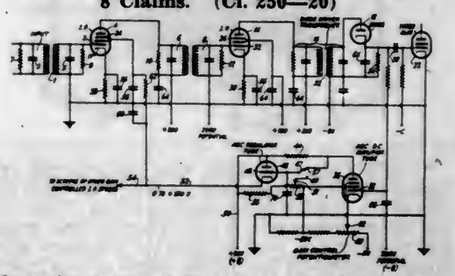
side thereof between the emulsion and the compensating lens, said emulsion being approximately at the focal plane for parallel light of said lens elements and means for continuously moving said film and lenses integral therewith transversely past said film gate.

2,185,611
ELECTRON MULTIPLIER
Eberhard Steudel, Berlin-Dahlem, and Richard Orthuber, Berlin, Germany, assignors to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany
Application February 15, 1937, Serial No. 125,824
In Germany February 26, 1936
3 Claims. (Cl. 250—174)



1. An electronic multiplier tube comprising an anode member, a composite electrode centrally positioned relative thereto comprising a plurality of separate tufts of electron emissive thread-like members, and means individually insulating the separate tufts, each tuft having a lead connected thereto whereby they may be maintained at different negative potentials with respect to said anode member.

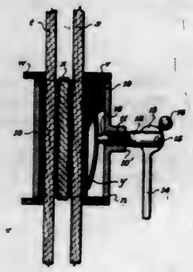
2,185,612
AUTOMATIC GAIN CONTROL
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 24, 1937, Serial No. 144,443
8 Claims. (Cl. 250—20)



8. A signal-translating stage comprising a vacuum tube having input and output electrodes and

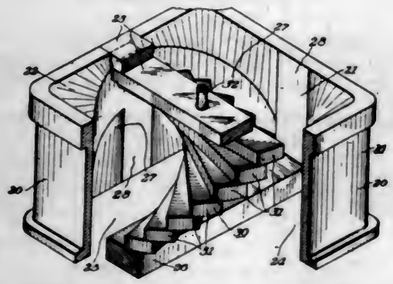
an auxiliary control electrode, signal-responsive means for adjusting simultaneously the potentials of said input and auxiliary control electrodes, thereby to vary the transconductance of said tube, said adjustable potentials being proportioned to maintain substantially constant the input capacitance of said input electrodes throughout a substantial range of adjustment of the transconductance of said tube.

2,185,613
TAMPING BAR CLAMP
Oscar Tuerck, Portland, Oreg., assignor to Tuerck-Mackenzie Company, Portland, Oreg., a corporation of Oregon
Application November 30, 1938, Serial No. 243,195
11 Claims. (Cl. 25—37)



1. In a tamping device of the character described, a tamping bar clamp including a housing, a spring within said housing, means for applying tension to said spring comprising, an adjusting screw extending into said housing, a concentric bore extending thru said screw, a thruster element slidable within said bore, the inner end of said thruster bearing against said spring, a cam lever pivotally mounted in the outer end of said screw and bearing against the outer end of said thruster, whereby, when said lever is moved into one position, said thruster will be caused to compress said spring.

2,185,614
REVERSING VALVE MECHANISM
Joseph E. Whitfield, Grove City, Pa.
Application December 9, 1938, Serial No. 244,801
13 Claims. (Cl. 137—111)



1. In a reversing valve, the combination of a casing having a plurality of ports at each end thereof, a flexible valve wall mounted in the casing intermediate of the ends thereof, and means for shifting the wall to provide passages selectively connecting individual ports at one end of the casing with individual ports at the other end of the casing.

2,185,615
TIE
Taylor Willmoth, Bellevue, Ky.
Application September 10, 1935, Serial No. 39,944
4 Claims. (Cl. 2—146)



1. A four-in-hand tie of the class described, comprising a first length of material having the ends thereof formed to a conventional configuration, from which the width of the material gradually decreases towards the center, said length of material being of a length and width substantially equal to the length and width of the finished tie, facing pieces secured to the material and lying on the wrong side of the material and conforming in shape to the ends thereof, a second length of material dissimilar in design from the first but conforming thereto in general outline and dimension with facing pieces at opposite ends thereof, and lines of loose stitches along each longitudinal edge of said lengths of material between the end facing pieces, securing said longitudinal edges to one another with the right sides of said lengths of material in opposition and their facing pieces lying uppermost but with the ends of the tie open, whereby the tie may be turned to expose the right side thereof.

2,185,616
HIGH-SPEED STEEL
Elmer B. Welch, McKeesport, and Lewis Gerald Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company, a corporation of Pennsylvania
No Drawing. Application November 18, 1938, Serial No. 241,228
2 Claims. (Cl. 75—128)

2. A molybdenum tool steel carrying as alloys of the ferrous metal

	Per cent
Molybdenum	7.09–10.00
Vanadium	1.20– 2.00
Boron	0.22– 0.50
Chromium	Trace– 1.50
Cobalt	2.59–10.00
Carbon	0.50– 1.00

2,185,617
HIGH-SPEED STEEL
Elmer B. Welch, McKeesport, and Lewis Gerald Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company, a corporation of Pennsylvania
No Drawing. Application May 24, 1939, Serial No. 275,466
6 Claims. (Cl. 75—123)

1. A high-speed steel of molybdenum type, substantially free of chromium, whose other nonferrous components, in percentages relative to the iron content, are—

	Percent
Carbon	0.30– 1.10
Silicon	0.05– 1.00
Manganese	0.10– 1.00
Vanadium	0.25– 2.50
Molybdenum	5.00–12.00
Boron	0.05– 0.50

together with metal of a group that consists of cobalt and nickel, in quantity ranging from 0.50 to 20 percent.

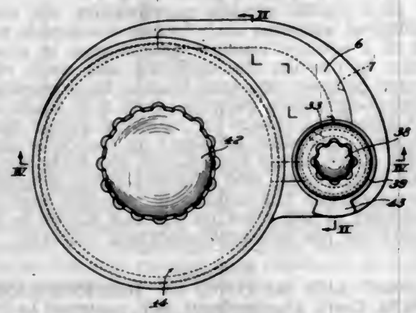
2,185,618
HIGH-SPEED STEEL
Elmer B. Welch, McKeesport, and Lewis Gerald Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company, a corporation of Pennsylvania
No Drawing. Application June 13, 1939, Serial No. 278,902
6 Claims. (Cl. 75—125)

1. A high-speed steel free of chromium in excess of 1.50% of the iron content, and of substantially the following composition: carbon, 0.28–1.04%; vanadium, 0.24–2.80%; molybdenum, 4.72–9.61%; copper, 0.09–4.01%; boron, 0.05–0.80%; and iron, 94.47–80.12%.

2,185,619
HIGH-SPEED STEEL
Elmer B. Welch, McKeesport, and Lewis Gerald Firth, Pittsburgh, Pa., assignors to Firth-Sterling Steel Company, a corporation of Pennsylvania
No Drawing. Application June 13, 1939, Serial No. 278,903
6 Claims. (Cl. 75—125)

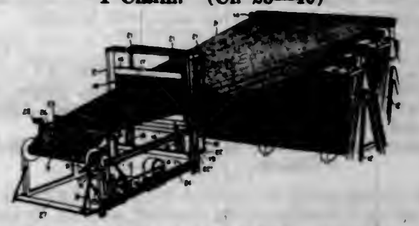
1. A high-speed steel free of chromium in excess of 1.50% of the iron content, and of substantially the following composition: carbon, 0.28 to 1.02%; vanadium, 0.24–2.74%; molybdenum, 4.70–9.39%; copper, 0.09–3.91%; nickel, 0.44–2.35%; boron, 0.05–0.78%; and iron, 94.06–78.25%.

2,185,620
DEVELOPING APPARATUS
Lewis D. Andrews, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application October 27, 1938, Serial No. 237,193
10 Claims. (Cl. 95—90.5)



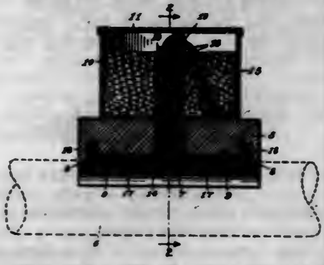
1. A daylight-loading film developer comprising a tank having a bottom wall and an upright side wall, a removable film-receiving reel rotatably mounted within one end of the tank and having an upper flange forming a cover for the underlying area of the tank, means spaced laterally from said reel and mounted within the opposite end of the tank for rotatably supporting a film cartridge therein, a separate removable cover for the cartridge-receiving area of the tank, a guide member disposed in the intermediate area of the tank between said means and reel for guiding film from the cartridge to the reel, and a cover for said intermediate area.

2,185,621
DIRECT WARPING
Ralph H. Balch, Thomas C. Campbell, and James L. Grant, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application November 30, 1937, Serial No. 177,212
1 Claim. (Cl. 28—40)



Warping apparatus comprising means for driving a warp beam, a plurality of harness shafts disposed between the beam and a yarn creel for guiding yarns to the beam in the form of a plurality of superposed sheets, one sheet for each shaft, and means for raising and lowering said shafts, said means comprising two sets of connections to the shafts so arranged that one operation of the raising and lowering means brings the plurality of warp sheets into two sets between which a lease cord may be inserted, another operation of the raising and lowering means transposes the two sets of warp sheets for the insertion of a second lease cord, and a further operation restores the warp sheets to their original position, the said connections to the shafts being operated by opposite ends of a lever so that an upward movement of shafts connected to one end of the lever is accompanied by a downward movement of shafts connected to the other end of the lever, the lever being provided with means by which it may be rocked to both sides of a mean position for the insertion of the two lease cords and returned to the mean position.

2,185,622
OIL CUP
Merle W. Bauman, Seattle, Wash.
Application May 10, 1938, Serial No. 207,046
1 Claim. (Cl. 308—125)



The combination with the upper or cap member of a bearing having a large hole threaded downward therethrough, a pair of smaller holes each extending upward into the bearing a short distance from its respective ends, and a pair of grooves extending respectively from the large hole to each of the smaller holes, of an oil cup comprising a bowl, a large wick conduit extending from a point a short distance below the top of

the bowl to a point a short distance below its bottom, the depending portion of said conduit threaded all the way to the bottom of the bowl, said depending conduit portion threaded all the way into the hole through the bearing member with the bottom of the bowl engaging the top of said bearing member, a large wick passing from the bowl downward through the conduit and outward through the large hole in the bearing, said outwardly extending portion of the wick separated into two substantially equal parts with each part extending along the aforesaid grooves and having their respective ends inserted into the aforesaid smaller holes, and pegs forced into said smaller holes for securing said ends therein.

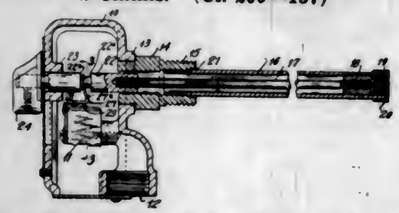
2,185,623

IMMERSION TYPE THERMOSTAT

Vilynn O. Beam, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application October 8, 1937, Serial No. 168,003

2 Claims. (Cl. 200—137)



1. In a thermostat of the character described, a housing, a thermal element projecting from the rear wall of the housing composed of an outer tubular member and an inner rod having different coefficients of expansion, the tubular member being secured to the housing and the rod being secured to the outer end of the tubular member and projecting therethrough into the housing, threads on the inner end of said rod, a control element axially aligned with said rod and having a threaded socket to receive the threaded end of the rod and projecting at its forward end through the front wall of the housing, a switch in the housing offset from said rod and control element, an annular shoulder on said control element within the housing, an operating connection between said switch and control element arranged to bear upon said shoulder, and spring means for maintaining said operating connection in engagement with said shoulder.

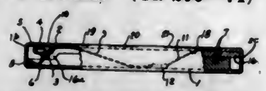
2,185,624

CONTAINER FOR CARDS

Charles W. Beck, Toledo, Ohio

Application March 8, 1935, Serial No. 10,058

8 Claims. (Cl. 206—74)



1. A combination hinge and closure mechanism for a container, composed of a body member and a cover member, said hinge and closure mechanism comprising a slotted member, a shaft supported by the cover member of the container and passing through the slot in said slotted member for sliding movement therein, a main hinge member provided with supports for a pivot for said slotted member and cooperating means on the container members for engaging and disengaging the two container members by a sliding movement of the cover member, and a second shaft supported by the main hinge member for providing for rotation of the cover member.

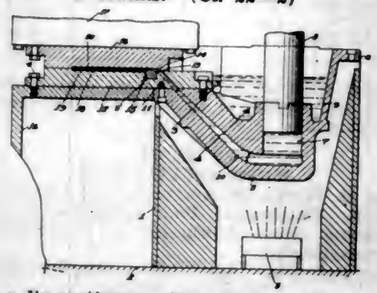
2,185,625

DIE CASTING MACHINE

Edward S. Bird, Worcester, Mass., assignor to Reed-Prentice Corporation, Worcester, Mass., a corporation of Massachusetts

Application October 8, 1937, Serial No. 168,049

8 Claims. (Cl. 22—2)



1. In a die casting machine, upper and lower dies defining therebetween a recess in which a relatively wide plate is cast, a plunger for forcing the material to be cast into the recess, and a member having a passage providing a connection from the plunger to the dies, said passage gradually increasing in width toward the dies with the end of the passage adjacent the dies substantially as wide as the recess therein, the lower of said dies having a passage communicating and in line with the passage in the member, said passage in the lower die extending from the underside to the top thereof.

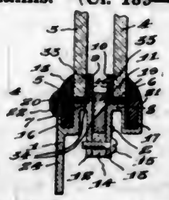
2,185,626

WINDOW CONSTRUCTION

Edward F. Chaffee, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York

Application March 11, 1938, Serial No. 195,366

5 Claims. (Cl. 189—64)



1. In a double window construction, the combination of opposing sash frames mountable as a unit in a window opening and shaped in cross-section to provide the opposing side walls of a channel between the sash frames for receiving a moisture-absorbing material, each sash frame being formed with means for receiving a glass panel including removable members on the outer sides of said glass panels for holding the glass panels in the sash frames, said members being demountable to permit the individual removal and replacement of the glass panels and access to the channel for the moisture-absorbing material.

2,185,627

FABRIC AND METHOD OF MAKING SAME

Cyril M. Croft, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 24, 1937, Serial No. 155,574

11 Claims. (Cl. 28—1)

1. Process for the production of crepe effects on fabrics containing highly twisted yarns at least some of which contain organic derivatives of cellulose, which comprises entering the fabric into a treating bath which is at a temperature below 90° C. and gradually raising the bath containing the fabric to a temperature near but below the boiling point of the bath.

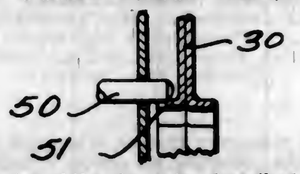
2,185,628

TARGET

Horace A. Daum, Seattle, Wash.

Application December 13, 1937, Serial No. 179,508

6 Claims. (Cl. 273—102.1)



1. A device of the character described, comprising a frame, a pair of movable supports, a target mounted by each support and normally held in upright position thereby, a plate located back of each target normally in position to be struck and moved by a bullet passing through the target, a support for each plate adapted to be moved with the plate incident to the latter being struck, a mechanism operatively connecting each plate supporting means with its corresponding target supporting means whereby to lower the target incident to the plate being moved, and means adapted to be actuated by such movement of one plate to render the connecting mechanism of the other target ineffective for lowering the target.

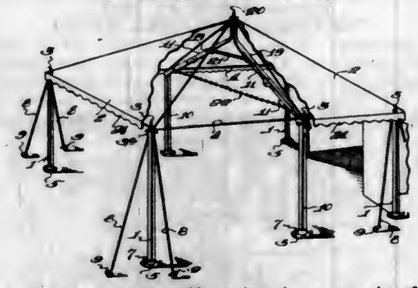
2,185,629

TENT STRUCTURE

John W. Dixon, Waco, Tex.

Application April 25, 1936, Serial No. 76,334

2 Claims. (Cl. 135—4)



1. In a tent supporting structure, a pair of legs each having a rafter joined end to end therewith at an angle thereto, each rafter in sections and having their upper ends free, the upper end of each leg and the contiguous end of a respective rafter being bevelled and hinged together, the said sections of each rafter being also hinged together whereby they are foldably related and foldable with respect to said leg, means receivable by the free ends of said rafters to provide a peak support for said tent.

2,185,630

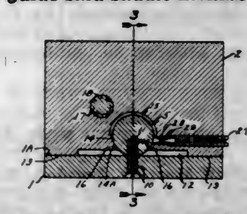
SLIDE REST MECHANISM

Reynold John Fridlund, Detroit, Mich.

Application March 30, 1937, Serial No. 133,866

3 Claims. (Cl. 308—3)

1. In a slide rest mechanism, the combination of a saddle member, a plate member directly supporting said saddle member for sliding movement thereon, a cylindrical shaft secured to said plate member and having a partial portion only of its cylindrical surface engaging said saddle member to guide said saddle member in its movement, and a wedge means carried by said saddle and engaging said cylindrical shaft to retain said saddle member on said cylindrical shaft and to force said saddle member to tightly engage said plate member.



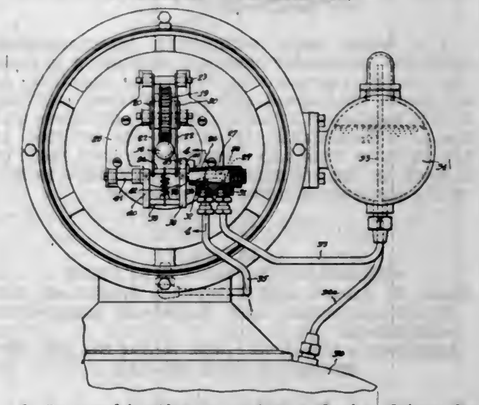
2,185,631

INTERMITTENT LUBRICATING DEVICE

John O. Heinze, Detroit, Mich., assignor to Heinze Development Company, Detroit, Mich., a corporation of Michigan

Application January 28, 1938, Serial No. 187,393

6 Claims. (Cl. 184—34)



1. In combination, a motor, a device driven by said motor and having means for receiving lubricant, a lubricant supply means, a valve body having an inlet connected with said supply means and an outlet connected with said receiving means, a member in said body movable in reverse directions and having means for establishing communication between said inlet and outlet during predetermined stages in its reverse movement and for preventing communication when at either limit of reverse movement, and means operated by said motor for imparting reverse movements to said member.

2,185,632

BLEACHING SURFACES WITHOUT IMMERSION

Wilfred Bedggood Hill, Runcorn, and Bertram Pusey Ridge, Latchford, Warrington, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 5, 1938, Serial No. 200,242. In Great Britain April 12, 1937

2 Claims. (Cl. 8—111)

1. A method of bleaching a surface which comprises applying thereto while in a liquid condition a bleaching agent which will gel to a paste-

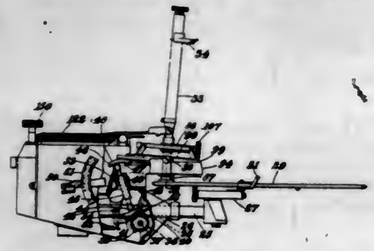
like consistency and consisting of a mixture of sodium silicate of a strength between 80° Tw. and 120° Tw., and hydrogen peroxide, the molecular ratio of silica to sodium oxide in the sodium silicate solution being between 1.8 to 1 and 2.2 to 1, said mixture having a concentration of hydrogen peroxide between 30 volume and 100 volume strength.

2,185,633

SIGHTING APPARATUS FOR USE ON AIRCRAFT

Edward Cecil Horsley, London, England

Application February 10, 1939, Serial No. 255,672
In Great Britain April 8, 1929
19 Claims. (Cl. 33—46.5)



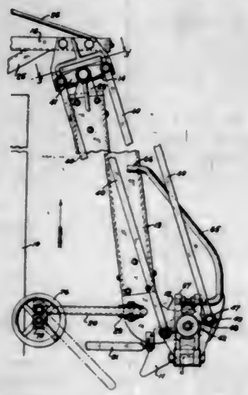
1. A bomb sight comprising interconnected relatively adjustable members simulating to scale the triangle representing the vector quantities of air speed, wind speed and ground speed, sighting means positioned by said adjustable members and means automatically to change the position of the sighting means to allow for the trail angle of a bomb by the adjustment of the effective length of the air speed member for air speed.

2,185,634

CULTIVATOR FOR VINEYARDS

Henry A. Jacobs and Hubert M. Armistead, San Francisco, Calif.; said Armistead assignor to said Jacobs

Application March 31, 1939, Serial No. 265,196
22 Claims. (Cl. 97—137)



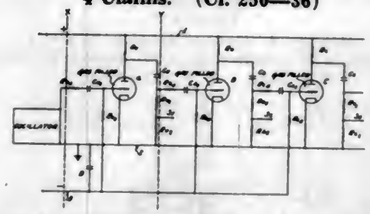
1. In a cultivator of the class described, a beam supported at one end for lateral pivotal movement on a horizontal plane, an earthworking tool carried by the opposite end of the beam, pivotal support means for the tool end of the beam, and means for causing reciprocal lateral movement of the tool end of the beam.

2,185,635

FREQUENCY DIVIDER

Winston E. Kock and John F. Jordan, Cincinnati, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio

Application April 27, 1936, Serial No. 76,709
4 Claims. (Cl. 250—36)



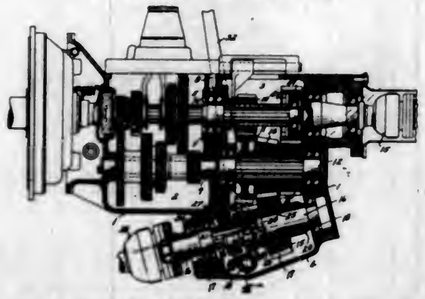
1. In a frequency divider, a gaseous glow discharge tube including an anode, a cathode and a grid, an anode-to-cathode circuit for said tube including a resistance and a source of steady positive potential above the striking potential of said tube, a second anode-to-cathode circuit for said tube including a capacity and a resistance of a value high enough in relation to the size of said capacity and the characteristics of said tube to prevent self oscillations in said tube, and a grid-to-cathode circuit for said tube containing a source of steady negative bias potential of such value as to permit said tube to be in a state of continuous discharge, and means for producing in said grid-to-cathode circuit electrical impulses for rendering said grid sufficiently negative to interrupt said discharge.

2,185,636

TORQUE RELEASE DEVICE FOR FOUR-WHEEL DRIVES

Karl D. Kysor, Northville, Mich.

Application September 23, 1936, Serial No. 102,070
Renewed June 18, 1938
6 Claims. (Cl. 180—44)



1. In a torque release device for four-wheel drives including a transmission, a rear axle propeller shaft driven by the transmission, transfer gearing driven from the transmission, an acute angle bevel gear driven by the transfer gearing, a front axle drive shaft, an acute angle bevel gear rotatably mounted on the front axle drive shaft and meshing with the aforesaid acute angle bevel gear, a clutch member formed integrally with the acute angle bevel gear on the front axle drive shaft, the front axle drive shaft being provided with a splined portion, a clutch member fitting said splined portion and movable longitudinally of the shaft into engagement with the clutch member of the acute angle bevel gear, a spring urging said slidable clutch member into engagement with the gear clutch member, the two clutch members being provided with inter-

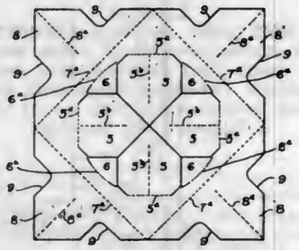
engaging teeth and the pressure angles of the inter-engaging teeth being so arranged as to force the slidable clutch member out of engagement with the gear clutch member upon accumulation of a predetermined torque in either the front axle drive shaft or rear axle propeller shaft.

2,185,637

PACKING MEMBER AND BLANK THEREFOR

Carroll K. Lavere, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application April 5, 1938, Serial No. 200,197
6 Claims. (Cl. 206—65)



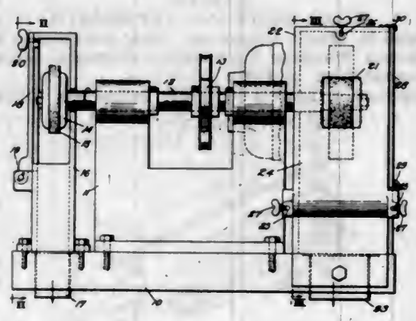
1. A packing device for a piece of hollow ware in a carton, said packing device including a sheet of polygonal form of suitable material and having bending lines subtending the angles thereof and when bent on said lines defining substantially a horizontal cross section of the interior of the carton, and tongues in the sheet within said bending lines adapted to be bent to extend into the ware.

2,185,638

UPPER ROUGHING MACHINE

Elzear J. Le Gault, Haverhill, Mass., assignor, by direct and mesne assignments, to Bestco Shoe Machinery Inc., Ipswich, Mass., a corporation of Massachusetts

Application August 11, 1937, Serial No. 158,483
3 Claims. (Cl. 69—1)



1. In a roughing machine comprising a forepart roughing roll and a dust hood surrounding said wheel, apertured lugs disposed on said dust hood, an adjustable gauge consisting of a centrally apertured plate, adjusting rods carried on said plate, said rods being dimensioned to enter the apertures in said lugs, and thumb screws disposed on said dust hood for clamping said adjusting rods in position.

2,185,639

HEAT TRANSFER PROCESS

Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 15, 1938, Serial No. 202,288
8 Claims. (Cl. 252—5)

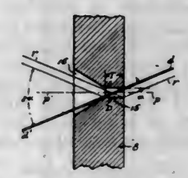
1. The method of transferring heat which comprises heating a medium comprising nuclear chlorinated ethylbenzene containing at least 3 atoms of chlorine per molecule of ethylbenzene to a temperature within the range 100° C. to 310° C. and passing said medium in indirect heat transfer relationship with a body of material to be heated.

2,185,640

TELEVISION APPARATUS

Harry R. Lubcke, Los Angeles, Calif., assignor to Don Lee Broadcasting System, Los Angeles, Calif., a corporation of California

Application March 23, 1938, Serial No. 197,637
11 Claims. (Cl. 178—7.1)



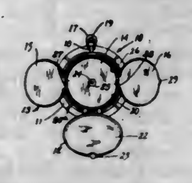
1. Television apparatus comprising; a rotatable scanning disk provided with cylindrical apertures therethrough, the axial length of the apertures being greater than the diameter; and means for projecting radiant energy through each of said apertures in turn, at an angle to its axis, for securing direct energy beams of small cross-section relative to said apertures, while diverting the balance of said energy by reflection from the interior of said apertures at a substantial angle to said direct energy beams.

2,185,641

LOCKET CONSTRUCTION

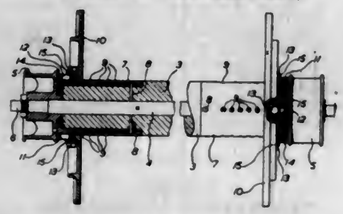
Louis C. Mark, Providence, R. I., assignor to New England Glass Works, a partnership consisting of Isaac L. Rice and Alexander Weiner, doing business in Rhode Island

Application December 17, 1938, Serial No. 246,394
4 Claims. (Cl. 63—19)



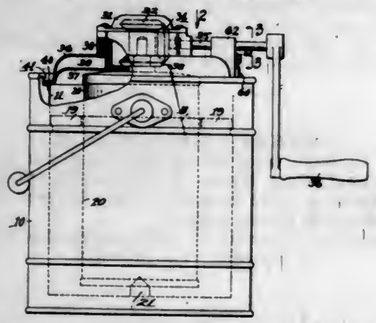
1. In an article of jewelry, a cast metal base having a recess, a cover hinged thereto, latch and catch mechanism for releasably retaining said cover in closed position on said base, and an auxiliary unit having a center portion locked in said base recess, two wing portions hinged to said center portions, said wing portions being resiliently urged to open position.

2,185,642
WARP BEAM
William Beggs McVeigh and Harold Maximilian Hibbert, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application May 17, 1938, Serial No. 208,384
In Great Britain July 24, 1937
3 Claims. (Cl. 242—124)



1. A warp beam comprising a barrel formed with a plurality of radial holes along its length, a flange movable along said barrel and having a boss formed with at least one radial hole that is elongated in the direction of the length of said barrel, the surface of said flange boss being serrated circumferentially, a bolt or like member adapted to pass through the hole in the boss into a hole in the barrel in registry therewith, and a washer having a serrated face for engagement with the serrated surface of said boss and adapted to be disposed between said surface and the head of said bolt to allow said flange to be secured in finely adjusted position on said barrel.

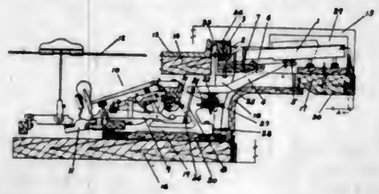
2,185,643
ICE CREAM FREEZER
Joseph W. Meyer, Jr., Winchendon, and Alfred Ruttiman, Gardner, Mass., assignors to The Alaska Freezer Co., Inc., Winchendon, Mass., a corporation of Massachusetts
Application November 4, 1936, Serial No. 109,090
2 Claims. (Cl. 220—40)



1. In a freezer, a circular cover having a slotted edge flange and having an inclined upper cam surface adjacent each slot, a tub comprising inner and outer spaced sheet metal walls, a top edge member connecting said inner and outer walls and forming an upper closure for the space between said walls and having an annular recess in its upper inner edge portion to receive and support the slotted flange of said cover, said top edge member having openings in the upright wall of said recess, and lugs extending inward through said openings and having enlarged portions thereof permanently secured to the under side of said top edge member outside of said upright wall, the inner ends of said lugs engaging said inclined flange surfaces when the tub and cover are assembled and holding said parts in sealed relation.

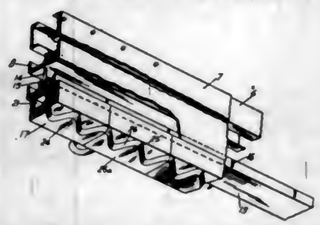
2. In a freezer comprising a tub having a recess in its upper end portion and a gear-supporting cover fitting closely in said recess, that improvement which consists in providing notches and associated wedge-shaped edge portions in said cover, and in providing said tub with lugs on its upper end portion positioned to enter said notches and to cooperate with said wedge-shaped edge portions to wedge said cover in said recess, and in providing a ratchet plate on said cover, which plate engages one of said lugs and automatically prevents reverse movement of said cover from secured position on said tub.

2,185,644
PIANO KEY AND ACTION COMBINATION
Arthur H. Morse, Cincinnati, Ohio, and Charles Pieper, South Fort Mitchell, Ky., assignors to The Baldwin Company, Cincinnati, Ohio
Application December 16, 1937, Serial No. 180,184
5 Claims. (Cl. 84—239)



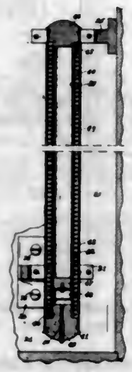
1. In combination in a piano, a horizontally disposed, pivoted key; an action including a rearwardly pivoted, forwardly extending wippen located below the level of said key and an upward striking hammer; a string disposed horizontally above said action and arranged to be struck by said hammer; an intermediately pivoted, forwardly-rearwardly extending lever located above the level of said wippen, a front part of said lever being in operative connection with said key in front of the key pivot; and a linkage connection between a rear part of said lever and a free part of said wippen.

2,185,645
ROAD-BUILDING APPARATUS
Joseph H. Mosel, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application March 21, 1938, Serial No. 197,067
13 Claims. (Cl. 94—45)



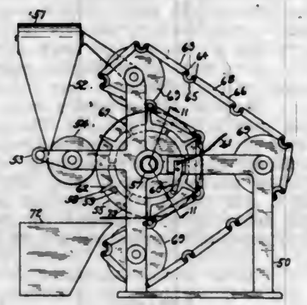
1. In apparatus for finishing a road surface, a reciprocating finishing member having a substantially flat finishing surface, said finishing surface having a serrated edge formed on the bottom thereof for contacting with the material as the apparatus advances, said serrated edge being disposed behind the forward edge of said finishing member.

2,185,646
WINDOW-ACTUATING MECHANISM
Barton H. Noland, New York, N. Y., and Edmund L. R. Smith, Baltimore, Md.
Application January 5, 1939, Serial No. 249,364
5 Claims. (Cl. 268—123)



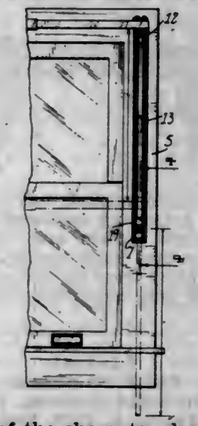
1. In a window-actuating mechanism, a telescopic assembly of relatively movable tubular elements one of which is secured to the window, the other to the window frame, each of said tubular elements comprising two concentric tubes, the inner tubes being arranged as a snugly fitting inner pair, the outer tubes being arranged as a snugly fitting outer pair, and actuating means arranged in the annular space between said pairs and operatively interposed between said tubular elements.

2,185,647
METHOD AND MEANS FOR CUTTING AND JOINING SHEET MATERIAL
Ralph L. Penn, Cuyahoga Falls, Ralph W. Penn, Akron, and Norman H. Nye, Cuyahoga Falls, Ohio, assignors of one-fourth to Edwin J. McIlvried, Stow, Ohio
Application August 28, 1937, Serial No. 161,446
17 Claims. (Cl. 93—8)



4. In apparatus of the character described, means for advancing thermoplastic sheet material in the form of a strip having superimposed layers, and means comprising a pair of members cooperating with each other for applying heat and pressure to the strip along lines traversing the same to thereby sever the strip and seal the adjacent severed edges, one of said members being an electrically heated wire arranged for direct contact with one side of the strip.

2,185,648
CURTAIN ROD SUPPORT
Harvey J. Reedy and Joseph P. Marucco, San Francisco, Calif.
Application June 17, 1938, Serial No. 214,238
1 Claim. (Cl. 248—265)



In a device of the character described, a supporting track mounted adjacent one side of a window and embodying in its construction a channel having outwardly flared edges, a slide movable on said flared edges, a bar mounted in said channel and secured to said slider, said bar being flush with the outer surface of said channel, the lower end of said bar being bent at an angle of 90° and having an opening formed therethrough at the bend thereof, a tongue struck from said channel adjacent its lower end and capable of entering said opening in said bar when said bar is at its upper limit of travel, a guard mounted on said track and spaced from said bar a sufficient distance to permit said bar to be moved forwardly to disengage from said tongue when said bar is to be moved downwardly in said channel, and a friction bar interposed between said track and said bar to retard the dropping of said bar during the lowering operation.

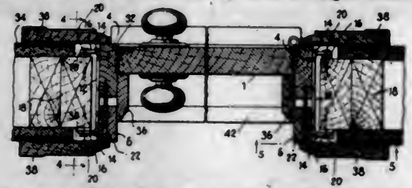
2,185,649
FOIL PRODUCT
Gustav Ruoff, Cologne, Germany, assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application September 5, 1934, Serial No. 742,863. In Germany September 16, 1933
6 Claims. (Cl. 154—46)

1. A new foil material comprising two metal foils with a layer of pectin between, said layer being in intimate contact with both foils and adhering thereto, thereby binding them together and making the foil substantially non-porous and gas-tight.

2,185,650
ADJUSTABLE FRAME
George E. Shipway, Noroton, Conn., and Louis M. Steuber, Washington, D. C., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 21, 1937, Serial No. 143,904
10 Claims. (Cl. 20—12)

1. A building wall opening closure frame comprising a jamb section, an angle member having one leg connected to and extending crosswise of

the back of the jamb section, and the other leg projecting away from the jamb section and positioned and constructed for attachment to the wall, a second jamb section adjacent to the first jamb section and contacting at the back with the crosswise extending leg of the angle member,



and a second angle member having one leg connected to and extending crosswise of the back of the second jamb section and contacting with the back of the first jamb section, and the other leg projecting away from the second jamb section and positioned and constructed for attachment to the wall.

2,185,651

MILK SAMPLER

John Sollie, Oakland, Calif.

Application August 6, 1938, Serial No. 223,468

7 Claims. (Cl. 137—18)



1. In a sampling device for fluids embodying a pair of telescoped tubes each having a plurality of longitudinally extending slots adapted to be brought into registry to open the device, a head rigidly attached to the outer tube, a handle member integral with said head, a pinion gear on the inner tube, a rack segment engaging said gear, an arm pivotally connected at one end to said handle and at its other end to said rack and movable relative to said handle to rotate the inner tube in opening and closing the device, and yieldable means normally urging apart said arm and said handle.

2,185,652

SHEET SEPARATOR

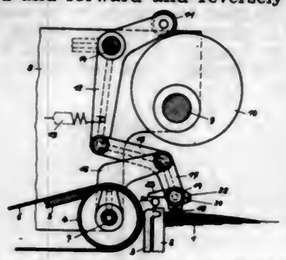
Georg Spiess, Leipzig, Germany

Application September 13, 1938, Serial No. 229,788

In Germany September 18, 1937

6 Claims. (Cl. 271—27)

1. A device for lifting off the uppermost sheet from a pile of sheets comprising a sheet gripper, a pair of levers cooperating with said gripper, means for positively moving one of said levers, and at least one abutment against which said other lever abuts to move the said other lever, said levers rocking around two points to impart an upward and forward and reversely rearward



and downward movement of the gripper to feed the sheets one by one from the pile.

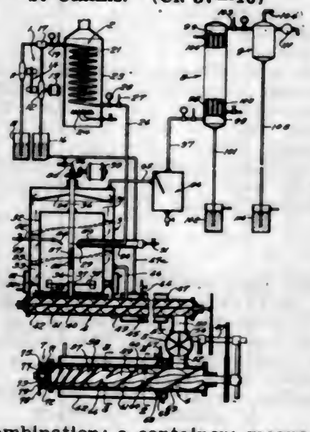
2,185,653

APPARATUS FOR MAKING, REMOVING, AND PROCESSING SOAP AND THE LIKE

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Application September 26, 1935, Serial No. 42,348

10 Claims. (Cl. 87—16)



1. In combination: a container; means for reducing the pressure in said container to form a low-pressure zone therein; means for continuously delivering a mixture of soap particles to said low-pressure zone to evaporate said volatile material and collect a mass of soap in said zone; an agitator in said low-pressure zone; means for moving said agitator through the soap particles in said low-pressure zone; conveyor means beneath said agitator for continuously withdrawing said soap particles from said low-pressure zone; and a star valve receiving the soap particles from said conveyor means for maintaining a sub-atmospheric pressure in said conveyor means.

2,185,654

PROCESS FOR THE PRODUCTION OF SULPHONIUM SULPHONATES

Adrianus Johannes van Peski, and Johan Marius Hoeffelman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 11, 1938, Serial No. 218,632. In the Netherlands July 21, 1937

10 Claims. (Cl. 260—607)

1. A process for the production of sulphonium sulphonates, which comprises reacting together an aromatic sulphonic acid, a di-alkyl thio-ether having a low molecular hydrocarbon radical directly attached to the sulphur atom and an aliphatic monohydric primary alcohol containing up to six carbon atoms in the molecule, at a temperature of from about 100° to 200° C. in the presence of an inert solvent.

2,185,655

FURNACE FOR THE CONTINUOUS ANNEALING OF BANDS, SHEETS, AND WIRES

Emil Vits, Dusseldorf, Germany

Application December 14, 1936, Serial No. 115,858

In Germany January 16, 1936

1 Claim. (Cl. 266—3)



A horizontal furnace for the continuous annealing of a continuous length of flexible material, said furnace having a relatively long substantially horizontal preliminary heat exchange portion which is vertically narrow, said portion having a single opening at one end to receive and discharge the material, a relatively short heating muffle, means for heating the muffle, said muffle being closed at one end and opening into the heat exchange portion at its other end, a roll rotatably mounted within the muffle adjacent its closed end, to receive the material under treatment and reverse its travel, and means for feeding the material through said heat exchange portion and through said muffle, said means including a device for rotating said roll, the ingoing and outgoing runs of said material being maintained at a relatively small spacing from one another while traversing said heat exchange portion, by reason of its vertical narrowness.

2,185,656

PROCESS FOR HARDENING FILAMENTS, BANDS, FILMS, AND OTHER SHAPED ARTICLES COMPOSED OF POLYMERIZATION PRODUCTS OF DIENE HYDROCARBONS

Hein Israel Waterman and Willem Leendert Johannes de Nie, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 25, 1938, Serial No. 204,226. In the Netherlands May 8, 1937

12 Claims. (Cl. 260—93)

6. A process for hardening coagulated extrusion products composed of an undistillable polymerization product of a conjugated diene hydrocarbon which comprises heating the coagulated extrusion product at an elevated temperature not greater than about 200° C. in a substantially oxygen-free atmosphere containing vapors of a separately introduced halogenated hydrocarbon in a concentration capable of catalytically effecting the hardening of the product under the conditions of the hardening treatment.

2,185,657
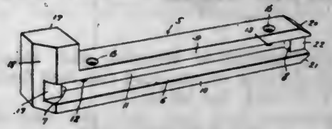
GUIDE FOR STRIP MILLS OR THE LIKE

Edward Brangle, Newburg Heights, and Vincent Kolasinski, Cleveland, Ohio

Application February 24, 1938, Serial No. 192,404

1 Claim. (Cl. 80—51)

A guide for a strip mill comprising an elongated body formed of one piece of material and having one side edge straight and formed with a channel which extends from one end of the body through the other end thereof, the end portions of the channel being of less depth than the major portion thereof to provide abutment shoulders at the ends of the said major portion, the said major portion being of uniform width and depth with the upper and lower walls flat and parallel to each other and the inner wall being flat and arranged at right angles to the upper and lower walls and all three walls being of the same width, a wear bar of square shape in cross section and of a width and thickness



to snugly fit in the major portion of the channel with its ends contacting the abutment shoulders and three of its side walls contacting the three walls of the channel, the fourth side wall being flush with said straight edge of the body, the top of the body having countersunk holes screw passing therethrough and through the top wall of of the channel, screws fitting in the holes and engaging the bar for removably holding said bar in the channel and plain holes passing from the inner wall of the channel through the opposite wall of the body for the introduction of a member to push the bar from the channel.

2,185,658

SLIDER FOR SLIDE FASTENERS

Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application September 24, 1938, Serial No. 231,588

4 Claims. (Cl. 24—205)



1. In a slider for slide fasteners of the class described having a channel through which the fastener elements pass, a bail having trunnions at each end normally resiliently urged together, and bearings extending inwardly from opposite sides of said slider for pivotally supporting said trunnions, at least one of said bearings communicating with the channel in said slider and providing for projection of the supported trunnion into said channel for engaging the fastener elements passing through said channel.

2,185,659

AUTOMATIC ELECTRIC LAWN MOWER

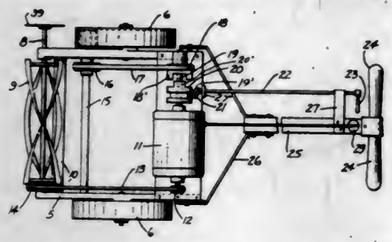
Paul Chernow, Los Angeles, Calif.

Application September 2, 1938, Serial No. 228,217

1 Claim. (Cl. 56—25)

In a lawn mower, a handled frame including spaced parallel members, traction wheels carried by said frame, a drive shaft journaled in said frame members and geared to the traction wheels, clutch controlled motor operated driving means connected to said shaft for driving the same, cutting means including a shaft bridging and journaled in the frame members and being of a length to provide a portion extending a considerable distance laterally and outwardly beyond

one of said frame members, a cutting disk carried by the outer end of the extending portion and



detachably connected thereto, and means between the driving means and the last mentioned shaft for driving the latter.

2,185,660

PROCESS AND PRODUCT RELATING TO STABILIZATION OF CYCLIC SULPHIDES

Willem Coltof and Siegfried Leonard Langedijk, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 18, 1937, Serial No. 169,736. In the Netherlands November 26, 1936

6 Claims. (Cl. 23—250)

1. A stabilized composition of matter comprising ethylene sulphide stabilized against deterioration under ordinary storage and transportation conditions by the addition thereto of a stabilizing amount of hydrogen sulphide.

2,185,661

SUBSTITUTED 3-AMINOPYRENES AND PROCESS OF PREPARING THEM

Martin Corell and Heinrich Vollmann, Frankfort-on-the-Main, and Hans Becker, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 10, 1937, Serial No. 125,140. In Germany February 18, 1936

4 Claims. (Cl. 260—518)

2. Individual substituted 3-aminopyrenes corresponding to the general formula



wherein X represents a substituent of the group consisting of acetamino, acetyl, chlorine and carboxyl.

2,185,662

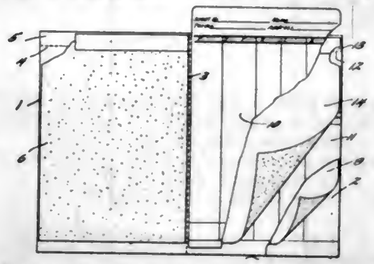
DUPLICATING STATEMENT FORM FOR LEDGER CARDS

Benjamin S. Davis, Newport News, Va., assignor to Newport News Overfold Company, Newport News, Va., a corporation of Virginia

Application March 21, 1939, Serial No. 263,247

3 Claims. (Cl. 282—27)

1. A statement form comprising an original and record sheet secured together at one side and folded upon each other and having scoring for separation and having transverse scoring adjacent their upper ends, a sheet of carbon paper secured to the lower face of the original sheet above the scoring and of a length less than said



record sheet, and a sheet of carbon paper secured to the record sheet above the scoring and of a length less than said record sheet, whereby a ledger card may be placed between the two sheets of carbon paper, and an original, a ledger and a record copy may be simultaneously made.

2,185,663

METHOD AND SOLUTION FOR PREVENTING FREEZING OF PLANTS

Oliver P. Greenstreet, San Diego, and Thomas C. Hall, La Mesa, Calif.

No Drawing. Application November 12, 1938, Serial No. 240,152

6 Claims. (Cl. 47—2)

1. The herein described method of providing freezing protection for plants which comprises applying to the plant parts an emulsion of petroleum oil and water carrying a simple alcohol.

6. A freezing preventing spray for plants consisting of an emulsion of petroleum oil and water having dispersed therethrough glycerine, alcohol, honey and blood albumin.

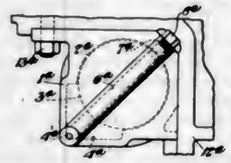
2,185,664

JOURNAL BEARING

Robert J. Harry, Alliance, Ohio, assignor to The Alliance Machine Company, a corporation of Ohio

Application December 2, 1937, Serial No. 177,730

7 Claims. (Cl. 308—79)



1. A journal bearing including a radial bearing surface closed at one end by a thrust surface for the journal end and provided with a lubricant seal for closing its other end about the journal, said bearing having a lubricant reservoir with a duct communicating with said thrust surface above the journal bottom in offset relation respecting the journal axes and a duct communicating with the inside of said bearing at a lower position, said reservoir gravitationally feeding through the second named duct when containing a sufficient lubricant head, the first named duct being positioned so that end play of the journal against said thrust surface forces lubricant into the same to maintain said lubricant head.

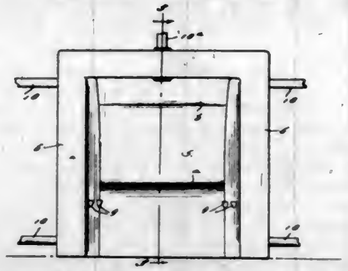
2,185,665

FIREPLACE BOILER

Charles Helmoth Ham, Darlington, S. C.

Application April 23, 1938, Serial No. 203,923

2 Claims. (Cl. 126—132)



1. In combination with a fireplace, a hollow double wall shell construction disposed into the fireplace and including spaced inner and outer sides, back and top walls providing a water chamber between the walls, said top walls cooperating to form a flat horizontal tank at the front of the fireplace connected at each side with said side walls, said tank being spaced from the back wall to form a flue opening means carried by the side walls for supporting a grate thereon, said side walls converging rearwardly and said rear wall having its portion above the grate and below the tank curved forwardly to deflect heat forwardly against the under side of said tank.

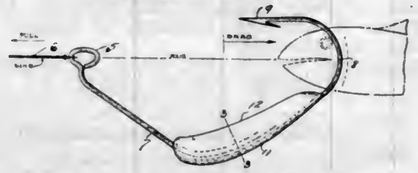
2,185,666

FISHING GEAR

Arthur D. Hill, Jr., Los Angeles, Calif.

Application January 25, 1938, Serial No. 186,869

2 Claims. (Cl. 43—54)



1. A trolling hook of the class described embodying a shank having an eye formed at one end thereof, said shank extending downwardly and angularly from said eye and thence curved upwardly and inwardly toward the eye and terminating in a barb, and a flattened weight positioned upon said curved section of the shank and inclined downwardly toward the angularly disposed section of said shank.

2,185,667

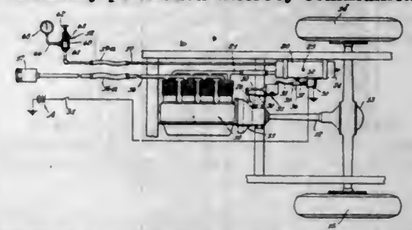
COMPRESSOR BRAKE FOR TRAILERS, ETC.

Clarence F. Hines, Mount Airy, N. C.

Application July 6, 1939, Serial No. 283,073

2 Claims. (Cl. 188—3)

1. In a braking system for vehicle trailer wheels of the type including a differential connected to the axle carrying said trailer wheels and a compressor connected through a clutch to a jack shaft and said differential, the improvements which comprise resilient spring-tensioning elements for normally holding said clutch in engaged position; means comprising a pneumatic motor for moving said clutch into disengaged position; a pneumatic storage reservoir continuously fed by the compressor and connected to said pneumatic motor; a manually operable valve for relieving pressure in said reservoir permitting said compressor to operate freely and without load; and a valve controlling communication between said reservoir and said pneumatic motor comprising a spring pressed sliding valve member normally positioned whereby communication



between said reservoir and said motor is established, and a solenoid acting upon said sliding valve for, upon occasion, moving same into a position whereby fluid can be discharged from said pneumatic motor permitting engagement of the clutch.

2,185,668

FISH LURE

Bonard S. Hurdle, Chincoteague, Va.

Application May 17, 1937, Serial No. 143,163

1 Claim. (Cl. 43—42)



A fish lure comprising in combination a body of a selected weight adapted to be connected to a fishing line, a flexuous element secured to one end of said body, a hook connected to the free end of said flexuous element, and a durable tube mounted on said end of said body and having elasticity and flexibility and enclosing the flexuous element and having a portion thereof severed to provide a plurality of closely related strips each free at one end and positioned about said hook to substantially conceal said hook and act as a lure for a fish and which may become easily disarranged to expose the hook to permit penetration of the latter by a fish when taken in the mouth of the fish.

2,185,669

TILE

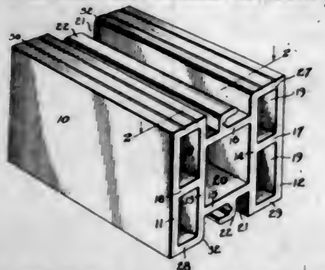
John H. Isenhour, Salisbury, N. C.

Application May 29, 1939, Serial No. 276,430

6 Claims. (Cl. 72—41)

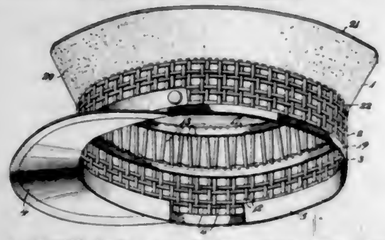
6. A tile having an open channel in each of two opposite faces thereof, means projecting from the bottom of each of said channels and having an overhanging portion adapted to form a hand hold for the human hand whereby the tile may

be quickly moved and readily guided into position with dispatch and accuracy, a groove along the said projecting means, said groove being closely adjacent the bottom of each of said



channels and forming a relatively thin neck portion in said projecting means whereby said projecting means will fracture at said neck portion before transmitting any substantial load to the walls of said channels.

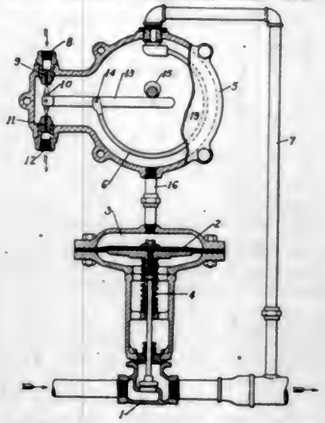
2,185,670
VENTILATED CAP
Milton S. Kaye, Dorchester, Mass.
Application March 20, 1939, Serial No. 262,989
1 Claim. (Cl. 2—176)



In a ventilated cap of the class described, a frame in the form of a substantial ring providing basal and crown portions, said frame comprising circumferentially extending pairs of horizontal strands in spaced relation and pairs of vertical strands in spaced relation, said pairs of horizontal and vertical strands being woven in an interlocked mesh to form a substantially rigid basal portion provided with relatively large ventilating openings, said interlocked mesh preventing displacement of said pairs of horizontal and vertical strands from their initial formation, said vertical strands including extended portions forming said crown portion, said extended portions being flared to the desired shape of the cap and being spaced apart in a manner to provide ventilating spaces of material area in said crown portion of the frame.
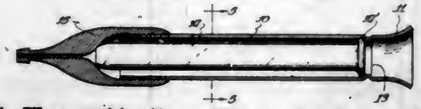
2,185,671
CONTROL APPARATUS FOR THE REGULATION OF PRESSURE
James Lewis Kimball, Danvers, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.
Application April 14, 1937, Serial No. 136,876
10 Claims. (Cl. 50—10)

1. A control system comprising a main fluid valve having an operating range within which it is movable to a plurality of positions, a Bourdon tube having inner and outer surfaces, means subjecting the inner surface thereof to the pressure on one side of said valve, means for effecting a pressure on the outside of said Bourdon tube which pressure is a relatively low percentage of that on the inside of said tube and differs from such pressure on the inside of said tube by a predetermined constant amount, whereby small percentage variations in pressure on the inside of said tube will effect large percentage variations on the outer surface thereof, said last-named



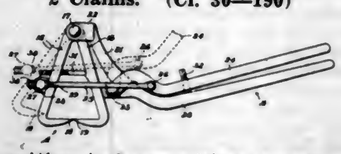
means including pressure control means driven by deflections of said Bourdon tube for maintaining said predetermined constant pressure difference, and additional means for operating said main fluid valve solely by the pressure to which said outer surface of said Bourdon tube is subjected.

2,185,672
APPLIANCE FOR PURIFYING TOBACCO SMOKE
Maurice Farvish Lautman, Hot Springs, Ark.; Minnie E. Lautman, executrix of Maurice F. Lautman, deceased
Application June 6, 1938, Serial No. 211,971
2 Claims. (Cl. 131—187)



1. The combination with a stem of a smoker's appliance having an internal stop adjacent one end thereof, of a tube removably mounted therein, seating against said stop and protruding from the other end of said stem; a mouthpiece threaded on the other end of said stem and contacting with the protruding end of said tube; and a filtering element removably mounted in said tube.

2,185,673
CUTTING TOOL
Peter Luft, Aylsham, Saskatchewan, Canada, assignor of one-fourth to Andrew Ostlund, Aylsham, Saskatchewan, Canada
Application January 20, 1938, Serial No. 185,977
In Canada February 9, 1937
2 Claims. (Cl. 30—190)



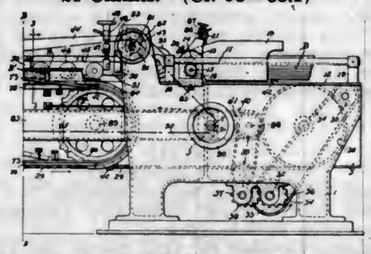
1. A cutting tool comprising, a pair of substantially L-shaped arm members pivotally connected together at the outer ends of their longer arms with the shorter arms swingable together whereby said arm members take a substantially triangular form, said shorter arms at their ends being provided with opposed cutting edges, a fixed handle extending laterally outwardly from one of said L-shaped arm members intermediate the pivot and the cutting portions thereof and lying in a plane substantially parallel with the plane in which the jaws move to close in cutting relation, a second arm mounted at one end on said fixed arm adjacent to the associated L-shaped arm and swingable to one extreme position to lie adjacent to and substantially parallel with the fixed arm and to another position to open out angularly therefrom, a pair of connecting rod draw links pivotally and swingably connected with said swingable arm and extending on opposite sides of the pair of pivotally mounted L-shaped arm members, a stub shaft carried by the second L-shaped jaw member intermediate the pivot and the cutting portions thereof and provided with openings receiving the ends of the connecting rods, and adjustable means on said connecting rods cooperating with said stub shaft to vary the effective length of said connecting rods.

2,185,674
DISPLAY SIGN
George Michel, Baltimore, Md., assignor to Smithos, Inc., Baltimore, Md., a corporation of Maryland
Application June 6, 1938, Serial No. 212,148
9 Claims. (Cl. 40—130)



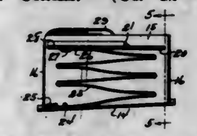
2. A gaseous illuminated means comprising an electrical discharge device, superposed right angularly related electrodes connected to said device, and a gaseous tube positionable within the field emanating from said electrodes.

2,185,675
BOX BLANK CREASING AND FOLDING MACHINE
Herbert L. Mitchell and Seldon G. Mitchell, High Point, N. C., assignors, by direct and mesne assignments, of fifty per cent to Seldon G. Mitchell and fifty per cent to Charles T. Ingram, both of High Point, N. C.
Application April 24, 1939, Serial No. 269,768
21 Claims. (Cl. 93—58.1)



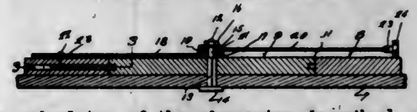
1. In a machine of the class described, a blank stacking table, a blank creasing mechanism, a main conveyor chain extending beneath the stack on the stacking table and past the blank creasing mechanism and having means for conveying a blank from the bottom of the stack and from the stack along the table and through the creasing mechanism, and running at relatively high speed, combined with an auxiliary blank moving conveyor for starting the blank movement at relatively slow speed and accelerating the same to the point where the main conveyor takes hold of the blank.

2,185,676
FIREARM CARTRIDGE MAGAZINE
Alphonse Moneta, Geraldton, Ontario, Canada
Application June 6, 1938, Serial No. 212,198
1 Claim. (Cl. 42—49)



A cartridge magazine for a firearm having a magazine space opening through its lowermost portion, comprising a hollow body adapted to fit said magazine space and having a basal piece of slightly outwardly arched formation, vertical side and end walls rising from said basal piece and an open top, respectively, the side and end walls being disposed slightly inwardly with respect to the side and end edges of the basal piece, upwardly convergent retaining and guide flanges extended from the side walls and extending for a distance of the length thereof, a stepped follower plate movably fitted within the hollow body for rest of cartridges thereon in staggered disposition within said body, a compressible spring between the basal piece and said follower, fasteners securing the spring to the basal piece and follower, respectively, said follower being provided with an opening confronting the fastening point of the spring with the basal piece for access thereto, and means on the body adapted to cooperate with said firearm for securing said magazine in the magazine space.

2,185,677
CALCULATOR
Oscar Nelson, Walker, Minn.
Application July 1, 1938, Serial No. 217,028
1 Claim. (Cl. 235—84)



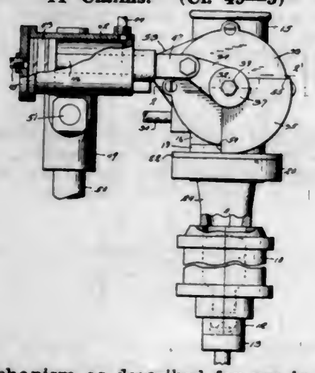
A calculator of the character described, said calculator comprising a base, a stationary circular disk resting on said base, an annular plate rotatably resting on said base around said disk, means retaining said annular plate on said base, an element passing non-rotatably through the centers of said base and said disk to a point above said disk, said element having an enlarged head engaging the bottom of said base, the part of said element above said disk being rounded, a pair of indicators extending across said disk and said annular plate, said indicators having their radially inward ends pivoted on said rounded part of said element, means vertically spacing said indicators on said part, and retaining means connected to the end of said element opposite said enlarged head and cooperating with said head in assembling said base, said circular disk and said indicators together.

2,185,678

MOLDING MACHINE FOR PLASTICS

Earl R. Odom, Marion, Ind., assignor of one-tenth to John B. Sisson, Marion, Ind.

Application February 24, 1938, Serial No. 192,351
11 Claims. (Cl. 49—5)



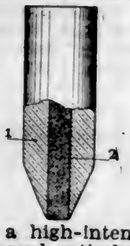
1. Mechanism as described for use in association with a mold in plastic molding, comprising a cylinder having an inlet hopper opening through the periphery of the cylinder and receiving the plastic mass, the cylinder having an opening for discharging the mass into the mold, a cylindrical valve in the cylinder having a diametrically extending passage, one wall of the valve below the passage having an air chamber formed with apertures discharging toward the mold when the valve is turned with its passage extending transversely of the mold, and means connecting the air chamber with a source of air under pressure when the air chamber is disposed in the last-named position.

2,185,679

ARC LAMP CATHODES

Jean Parisot, Pagny sur Moselle, France, assignor to Société Le Carbone-Lorraine, Gennevilliers (Seine), France, a French company

Application December 13, 1938, Serial No. 245,467
In France December 22, 1937
9 Claims. (Cl. 176—134)



1. A cathode for a high-intensity arc, comprising a shell composed entirely of carbon enclosing a core consisting essentially of carbon and at least one oxygen free alkali metal compound, the proportion of said compound to carbon in said core being 1 atom of alkali metal to about 2.5–15 atoms of carbon.

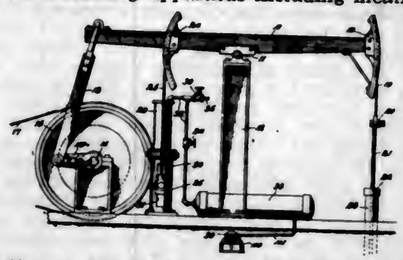
2,185,680

WELL PUMPING MECHANISM

Edgar W. Patterson, Los Angeles, Calif., assignor of one-half to Margaret D. Patterson, Long Beach, Calif., and one-half to Charles M. O'Leary, Jr., Los Angeles, Calif.

Application June 17, 1936, Serial No. 85,774
7 Claims. (Cl. 74—589)

1. In a well pumping mechanism, the combination of a Samson post, a walking beam pivoted intermediate its ends on said post, power means for raising and lowering one end of said beam, connections extending from the other end of the beam for actuating the sucker rods of a well, and an air balancing apparatus including means for



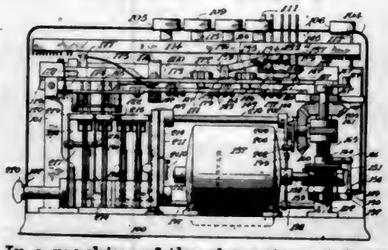
creating and maintaining a constant air pressure in connection with the beam to counterbalance its movements and at the same time exerting continuous downward pressure of the beam pivot on the Samson post throughout both upward and downward movements of the power end of the beam.

2,185,681

ELECTRICAL CALCULATING MACHINE

Robert Edward Paris, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 28, 1928, Serial No. 302,453
15 Claims. (Cl. 235—61)



2. In a machine of the character set forth, the combination of means for setting up a representation of a multiplicand and a multiplier, multiplier and multiplicand receiving and representing means set up under control of said setting means, an upper digit register and a lower digit register each of which comprises digit representing magnets and armatures, means controlled by said representing and receiving means for selecting and for entering the tens and units partial products in said respective registers to cause said magnets and armatures of the respective registers to represent the tens and units partial products, and means controlled by the armatures of one of said registers representing a partial product for entering in said other register said partial product to cause the armatures of said other register to represent the final product.

2,185,682

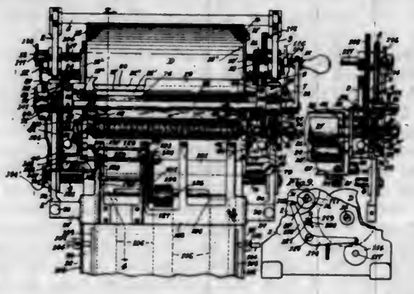
COPYING MACHINE

Reinhart W. Pittman, Jackson Heights, N. Y., assignor to The Beck Duplicator Company, a corporation of New York

Application October 22, 1937, Serial No. 170,363
26 Claims. (Cl. 101—132.5)

1. A copying machine, comprising a supporting frame, a drum and an impression roller co-

acting therewith, a gear train to rotate the drum and said roller intermittently or continuously, means carried by the drum, to clamp a master sheet thereto, from which copies are produced, and provide to gauge stop for registration thereof, close to the clamped end of the master, including a clamp bar fixed to a rock shaft located in a bore longitudinally of the drum, adjacent the periphery thereof, said bore having a cutout extending outward of the drum the full length thereof, and of a width less than the diameter of the shaft in the bore, providing said cutout with opposing walls, between which the clamp bar is adapted to swing, for clamping the master



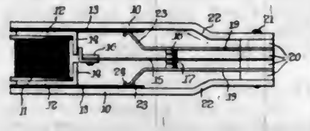
sheet between one wall and the bar, with the end of the master engaging the shaft to limit the movement thereof into the cut, which wall is in the rear of the wall, in the direction of motion of the drum, said other wall being a stop wall, against which the copy sheets engage for registration thereof, said impression roller, located forward of a vertical line drawn through the axis of the drum to provide an open passage under the roller during the time the cutout passes under the roller for the entrance of the copy sheets to engage the stop wall of the drum, during the rest period or continued rotation of the drum.

2,185,683

ELECTROMAGNETIC VIBRATORY MOTOR

Edward L. Barrett, La Grange, and Jacob Bertschi, Chicago, Ill., assignors to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application October 29, 1934, Serial No. 750,506
5 Claims. (Cl. 200—90)



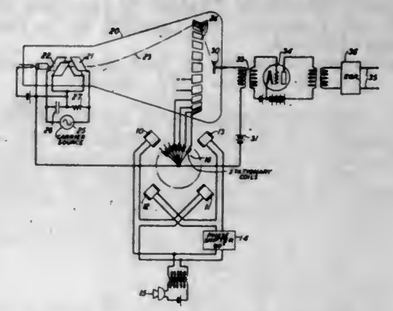
1. In a vibratory motor, the combination of a frame, a vibratory reed fixed at one end to said frame, means for vibrating said reed, a resilient flexible member extending along said reed in spaced relation thereto and supported at the same end as said reed, and cooperating contact points on said reed and member intermittently engageable in the vibration of said reed, said member having its free end bent for adjustable engagement with an opposed part of said frame to determine the amplitude of swing of said reed prior to the closure of said contact points, the flexure of said resilient member upon closure of said contact points causing it to exert a restoring force on said reed.

2,185,684

SIGNAL WAVE MODULATION

William R. Bennett, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 5, 1938, Serial No. 238,971
7 Claims. (Cl. 179—171.5)



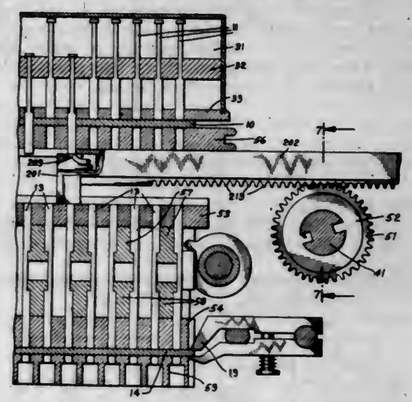
4. In a signaling system, a source of signal waves, magnetic coils arranged in a circle and so connected to said source as to produce rotating magnetic fields of the signal frequencies, stationary coils at equally spaced angular positions in said fields, a circuit of utilization, and means of rapidly switching said coils into connection with said circuit in rotation.

2,185,685

PUNCHING MACHINE

Robert T. Blakely, Ridgewood, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

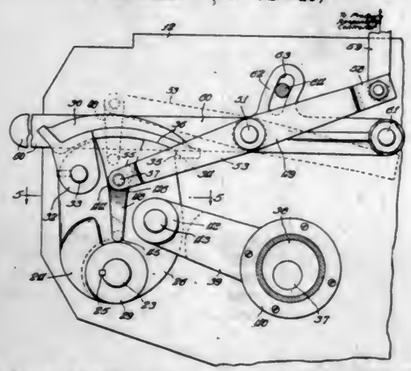
Application August 12, 1938, Serial No. 224,565
16 Claims. (Cl. 164—114)



1. In a punching machine to be controlled by data codes on a control sheet, the combination of punching apparatus to perforate index positions of a work sheet with combinational hole designations, a plurality of relatively positionable interponents effective in accordance with their relative positions to selectively control operation of the punching apparatus to punch different combinational designations in said work sheet, means controlled by a data code on the control sheet for determining the relative positions of the interponents to control the punching apparatus for punching a combinational designation in a field of the work sheet dependent upon the latter data code, and a single actuating means

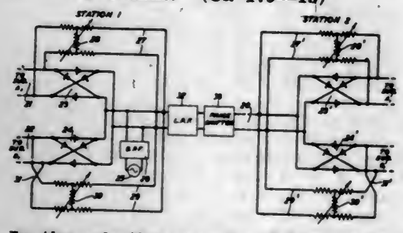
common to all the interponents for actuating the interponents to the relative positions determined by the first-mentioned means.

2,185,686
FUEL FEED CONTROL MECHANISM
Byron F. Bower, St. Charles, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application November 16, 1938, Serial No. 240,721
9 Claims. (Cl. 74—40)



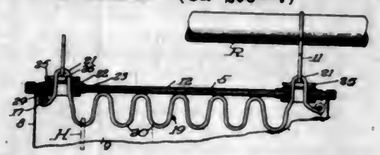
1. In a stoker, a rock shaft, drive means for said rock shaft, comprising a cam arm fixed on said rock shaft, a second cam arm pivoted on said rock shaft, said arms having opposed cam faces, means for rocking said pivoted cam arm through a predetermined arc, and means for variably rocking the first named cam arm in response to the movement of the pivoted cam arm, said means comprising a latch secured on one arm and hooked over a catch on the other arm to limit the spreading of said arms and a cam pin interposed between said cam faces and movable lengthwise with respect to said faces to vary the limit of approach of the pivoted arm to the arm fixed on the rock shaft.

2,185,687
CARRIER SYSTEM WITH PHASE DISCRIMINATION
Robert S. Caruthers, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1938, Serial No. 189,941
9 Claims. (Cl. 179—15)



2. In the selective reception of messages, the method comprising utilizing a voice frequency component to augment the detected component of a voice modulated carrier wave in one receiver circuit and causing said voice frequency component to neutralize the detected component of said voice modulated carrier wave in a receiving circuit intended for a different message.

2,185,688
GARMENT BAG
Jane D. Hargis, Chicago, Ill.
Application August 9, 1938, Serial No. 223,930
2 Claims. (Cl. 206—7)



1. As a new article of manufacture, a garment bag adapted to be suspended from a horizontal rod and comprising a substantially rectangular flat top with holes in the central portions of its longitudinal margins, and also comprising a front, back and sides depending from the top and formed of thin flexible material, a rectangular frame underlying the margins of the top and embodying a centrally disposed wire-formed cross-piece having the central portion thereof bent up and down to form a series of U-shaped loops positioned adjacent to the under face of the top and adapted to receive the hooks of garment hangers, and also having its end extremities connected to the central portions of the side pieces of the frame and the portions thereof immediately inwards of said end extremities bent to form inverted loops projecting upwardly above the first mentioned loops and through the holes respectively, and a pair of laterally spaced hooks connected pivotally to the inverted loops above the top and adapted to be hooked onto the rod.

2,185,689
MAP
Herbert R. Jensen, Minneapolis, Minn.
Application October 17, 1938, Serial No. 235,320
3 Claims. (Cl. 35—41)

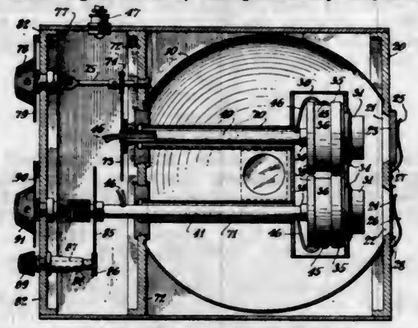


1. A relief map adapted to be collapsed and returned to its original form comprising a thin sponge rubber base conforming to the contour of the land represented by the map, and a transparent sheet of rubber secured to said base, said transparent sheet having map indicia of color contrasting to the color of the base on the side adjacent the base.

2,185,690
INSTRUMENT FOR MEASURING LIGHT REFLECTIVITY
George J. Lane, Metuchen, N. J., assignor to Edgar Brothers Company, Metuchen, N. J., a corporation of New Jersey
Application June 30, 1938, Serial No. 216,773
4 Claims. (Cl. 88—14)

1. In an apparatus for the purpose described, in combination, a spherically shaped light-equalizing chamber having a pair of openings adapted to be closed by a pair of specimens for optical examination, windows symmetrically placed in the wall of said chamber through which the interior of said chamber may be illuminated from the outside, a pair of light sensitive cells inside of the chamber and individual to said specimens

to receive beams of light reflected therefrom, said cells being positioned forward of said windows to prevent their direct illumination from the windows, tubular elements extending within said chamber for supporting said pair of light sensitive cells, electrically actuated means connected for indicating equality and departure from equality of the electrical effects produced by such light beams, independently adjustable



shutters interposed between the cells and the respective specimens to vary the cross-sectional areas of the light beams, rotatable shafts connected with the shutters to adjust the same, said shafts being mounted within said tubular supporting elements and extending outside of said chamber for manual actuation, and a graduated dial connected with one of said shafts for angular rotation in unison with the shutter as the same is adjusted by its shaft.

2,185,691
SECTIONAL TRACK AND METHOD OF ANCHORING IT
Harold G. Marion and Christian F. Reer, Bay City, Mich.
Application February 7, 1938, Serial No. 189,224
3 Claims. (Cl. 238—10)



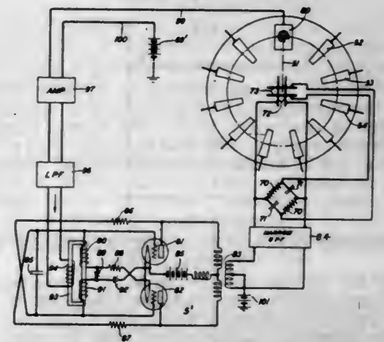
1. A track of the character described adapted to be laid on a strip of material and means for anchoring said track, said means including resiliently mounted suction cups connected to the track and engageable with the material on which the track is laid.

2,185,692
HEATING PAD
Nolen H. McCleary, Chicago, Ill., assignor to Benjamin E. Lawrence, Chicago, Ill.
Application June 19, 1939, Serial No. 279,876
8 Claims. (Cl. 219—46)



2. In a heating pad, a heating element member of general sheet-like character, sponge rubber layers on opposite sides thereof, and an imperforate rubber bag member enclosing the heating element member and sponge rubber layers, said sponge rubber layers provided with a plurality of substantially regularly arranged perforations, the total area of all of said perforations comprising from one-third to one-half of the area of one surface through which they extend.

2,185,693
MULTIPLEX SIGNALING SYSTEM
Pierre Mertz, Bellerose Manor, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1938, Serial No. 192,471
5 Claims. (Cl. 179—15)

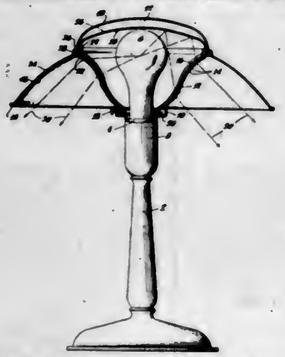


2. In multiplex signaling, in combination, two cathode beam tubes, having beam deflecting field members, at respective stations, oscillators at said stations for producing rotary fields for said beam deflecting members, a pair of grids in the tube at the transmitting station in a plane normal to the tube axis, in position to be scanned by the beam, means placing a difference of potential between said grids, an anode common to said grids and an output circuit connected to said anode whereby the beam in scanning said grids produces an abrupt change of output current in passing from one grid to the next, means to transmit energy resulting from said abrupt change of output current to the receiving station, a grid in the tube at the receiving station, means controlling its potential by the received energy, an anode of small angular width in said tube at the receiving station, and means controlled by the current to said anode for producing small corrective changes in the frequency of the oscillator at the receiving station.

2,185,694
LIGHTING DEVICE
Harold C. Noe, Nutley, N. J., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application January 17, 1938, Serial No. 185,256
5 Claims. (Cl. 240—81)

4. A desk lamp of a height to be normally below eye level and comprising a support, a light source carried by the support, a light diffusing bowl around the source and a combined cover and screen comprising a central opaque bulged reflector detachably secured above the bowl and the light source and resting on top of the bowl to reflect light back into the bowl, a light screen extending downwardly and outwardly from the top of the bowl to substantially the bottom of

the bowl to screen the bowl at angles above the horizontal, and having a wide diameter at the bottom to permit said directed light to escape, and a central domed element above the reflector



and vertically spaced from it to provide an air space therebetween, the top of the bowl engaging the edge of the reflector and the domed element and screen to align them and keep the edge of the reflector out of contact with the domed element.

2,185,695

FIREPROOFING CELLULOSIC FIBROUS MATERIALS

Ralph R. Oliver, Lockport, N. Y., assignor to Lockport Cotton Batting Co., Lockport, N. Y., a corporation of New York

No Drawing. Application May 1, 1935, Serial No. 19,169

2 Claims. (Cl. 91—68)

1. The process of treating loose cotton fibers to render them substantially flash-proof or fireproof without materially changing their desirable physical characteristics, which consists in first adding to substantially a 10% solution of sodium tetraborate in water boric acid until the hydrogen ion concentration stands between 7.0 and 7.4 pH, immersing the cotton fibers to be fireproofed in said solution and keeping them therein until they become thoroughly saturated, withdrawing said fibers from said solution and effecting the extraction of the solution until the fireproofing solution content is from 10 to 15% greater than it was before the fibers were placed in the solution and then drying the cotton fibers.

2,185,696

MARKER FOR FILING SYSTEMS

Charles H. Tomkinson, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 12, 1938, Serial No. 218,796

1 Claim. (Cl. 235—61.12)



In a tabulating card filing system in which a plurality of tabulating cards of like, uniform thickness are stacked for feeding through the restricted throat of a statistical machine, which throat permits only passage of cards of said uniform thickness, a marker card comprising a tabulating card to which are cemented sections of another card, said sections covering the entire surface of the card, except a narrow strip extending across the entire card in the direction of its feeding, said strip being located so as to be in line with the restricted throat of the statistical machine, so that the marker card may be fed through the machine together with the tabulating cards and in the order of its filing.

2,185,697

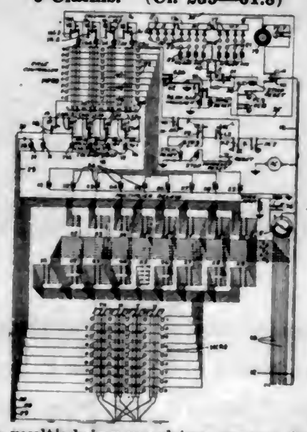
MULTIPLYING MACHINE

Norman M. Wood, London, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 17, 1937, Serial No. 148,624

In Great Britain October 21, 1936

6 Claims. (Cl. 235—61.8)



1. In a multiplying machine, means for sensing a record card for representations representing the terms of an algebraic expression, one of which terms includes a pair of factors, factor receiving devices under control of a part of said sensing means, a pair of accumulators, means controlled by another part of said sensing means for entering one of the terms into one of said accumulators, transferring means for transferring the amount in said accumulator to the other accumulator in the form of a complement, means for sensing the record card for designations representing the arithmetic signs of said term and of the factors included in the other term, and means controlled by said sign sensing means in accordance with all sign designations for causing said transferring means to transfer the entered amount to the second accumulator.

2,185,698

BICYCLE

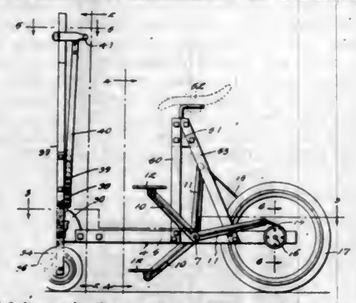
James Monroe Wright, Quitman, Ga.

Application October 27, 1938, Serial No. 237,355

1 Claim. (Cl. 280—87.04)

In a vehicle frame construction, a pair of frame members, a plate attached between said members at one end thereof and formed with a bearing, a pair of upwardly extending arms pivotally connected to said bearing, an upwardly extending bar connected between said arms above said bearing, a handle bar adjustably connected to said first mentioned bar, and braces

carried by said handle bar and adjustably connected to said first mentioned bar for maintain-



ing said bars in braced condition with respect to each other.

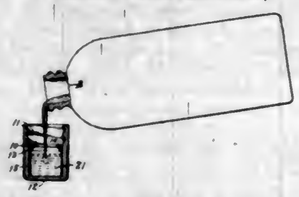
2,185,699

DOSE-MEASURING BOTTLE CLOSURE

John J. Zeugner, Baltimore, Md.

Application May 20, 1938, Serial No. 209,119

1 Claim. (Cl. 221—147)



A bottle cap of the class described, comprising in combination, a hollow structure of bell-like form having an imperforated head, a screw-threaded portion for half the internal length; and another half portion adapted to form a chamber above the first mentioned portion, said screw-threaded portion being arranged for engagement on the neck of a bottle, a gasket means adapted to be located above the screw threaded portion for cushioning the bottle and cap together and having an extending portion for lining the second half portion and graduating the volume thereof independently of the cap itself and to control the flow of doses from the cap to suit the same, said gasket being adjustable in the cap and removable therefrom for permitting access to second half of the cap and for cleaning and inspection purposes, the two half portions of the structure being of proximate the same area and volume with unrestricted opening connection in between same.

2,185,700

ELECTRIC CONTROL SYSTEM

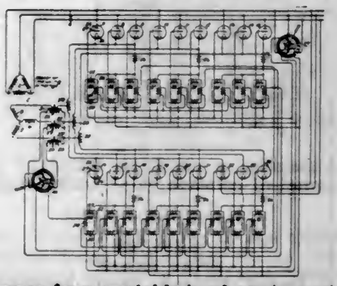
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 19, 1937, Serial No. 169,832

Renewed May 26, 1939

6 Claims. (Cl. 172—237)

1. In combination, an alternating current circuit, an induction dynamo-electric machine having an inducing winding and an induced winding, electric valve means comprising a control member and being connected between said circuit and said induced winding, and an excitation circuit comprising a saturable inductive device having a primary winding energized from said alternating current circuit, a second winding energized in accordance with an electrical condition of said induced winding and a third winding responsive to the resultant flux produced by said first mentioned and said second windings for impressing on said control member an alternating voltage of



peaked wave form variable in phase to control the power factor at which power is interchanged between said inducing winding and said alternating current circuit.

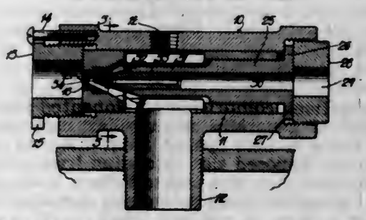
2,185,701

EXTRUDING APPARATUS

James S. Boyle, Marion, Ind., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application January 23, 1937, Serial No. 121,970

2 Claims. (Cl. 18—13)



1. Apparatus for extruding plastic material about a wire which comprises a housing having a passage extending therethrough and open at its opposite ends and an intermediate side opening thereinto, a die sleeve slidably mounted in said housing and having an extruding die at one end and tapered surfaces from said die to the interior of said sleeve, an adjustable means on said housing to limit the position of said sleeve, a guide spindle slidably mounted in said sleeve, a wire guide in said spindle and having a tapered outward surface centered relatively to and spaced from the tapered surface of said die, the opposite end of said spindle having an outwardly extending flange, means for clamping said flange against a surface of said housing, said sleeve having a side passage communicating with the side passage of said housing.

2,185,702

ROLLER CHAIN

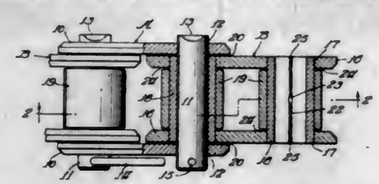
Norman C. Bremer, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York

Application July 8, 1938, Serial No. 218,092

8 Claims. (Cl. 74—257)

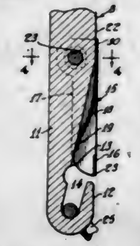
1. In a roller chain, in combination with spaced pin link side plates connected by pins and embracing a pair of spaced roller link side plates having bushing apertures, a bushing, the ends of which are secured in said apertures, and a member in bearing relation to a cylindrical surface of said bushing, said bushing being split and hav-

ing abutting longitudinal edges that are rounded to form, in conjunction with an adjacent surface



of said member, a capillary, lubricant conducting channel of concave sided wedge shape.

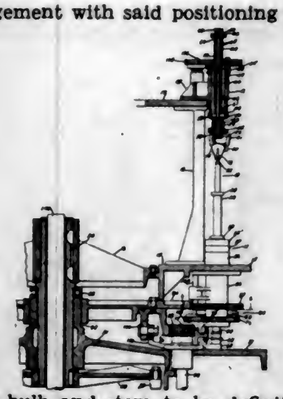
2,185,703
SNAP HOOK
Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 1, 1937, Serial No. 140,136
1 Claim. (Cl. 24—233)



A snap hook comprising an elongated flat body member of generally rectangular cross section and having a hole spaced from the end and a diagonally disposed slot extending from adjacent the hole nearly to the end to form a hook with a point facing the hole, a latching member in the form of a piece of resilient sheet metal of channel shaped cross section embracing the body member, the latching member having aligned holes, a pivot pin passing through the holes in the latching member and in the body member, the point of the hook being spaced slightly beyond the end of the latching member so that the latching member may swing transversely across the slot to admit a device into the slot, a portion of the latching member being bent inwardly toward the wall of the slot and providing a spring which bears on said slot wall and urges the end of the latching member outwardly to be close to the end of the hook to prevent removal of the device, the other end of the latching member engaging the body member to stop the latching member in said outer position.

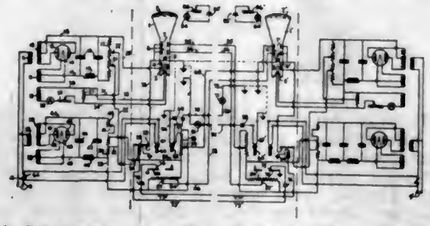
2,185,704
SEALING-IN MACHINE
John F. Donovan, East Cleveland, and Frank J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application April 13, 1938, Serial No. 201,796
10 Claims. (Cl. 49—2)

1. A sealing head comprising a spindle for supporting a stem in axial alignment therewith, means located axially of said spindle and a definite distance therefrom for engaging the upper end and sides of a bulb to position said bulb in a definite relation to said spindle, and jaws located adjacent said positioning means and arranged to grip said bulb and push its upper end and sides into engagement with said positioning means to



cause said bulb and stem to be definitely positioned and aligned.

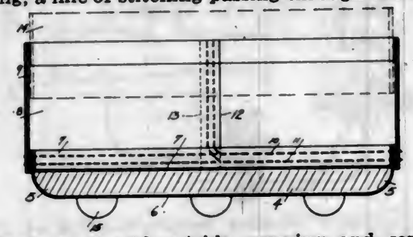
2,185,705
CATHAUTOGRAPH
Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J., a corporation of Delaware
Application November 30, 1935, Serial No. 52,329
5 Claims. (Cl. 178—18)



1. In apparatus of the character described, the combination with a cathode ray tube having a screen and pairs of deflecting electrodes, of means at a distance for controlling the action of said deflection electrodes upon the cathode ray beam, means for causing the cessation of production of luminosity on the said screen by the cathode rays and a common operating means for the last mentioned means and the said deflection electrode-controlling means, said last-named operating means including a pantograph device and resistances operated thereby to modulate the operating circuit for said deflection electrodes, and a contact breaker operable manually by a contact making or breaking movement of said pantograph device independently of the deflection-modulating movements thereof.

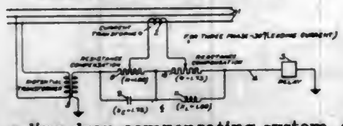
2,185,706
GOLF BAG
Harry D. Gihon, III, Trenton, N. J.
Application February 17, 1937, Serial No. 126,175
1 Claim. (Cl. 150—1.5)

A golf bag bottom unit adapted to be secured to the lower end of a golf bag casing comprising a substantially inflexible insert member of curved outline, flexible covering for said insert member fastened thereto and extending beyond the outline thereof, the extended portions of said covering extending upwardly perpendicularly to the plane of said insert member, a hollow cylindrical member of relatively rigid material having overlapping vertical edges, flexible covering for the outside surface of said cylindrical member from the uppermost to the lowermost edges thereof, said cylindrical member having its entire surface substantially perpendicular to the plane of said insert member and having its lowermost edge extending straight down past the upstanding edges of said insert member covering so that the lower portion of the inside surface of said covered cylindrical member tightly engages and surrounds the outside portions of the upstanding edges of said insert member covering, a line of stitching passing through the out-



side face of said outside covering and sewing together the lower portion of said cylindrical member, the covering therefor and the upstanding edges of said insert member covering, and a line of stitching in continuation of said first named line of stitching sewing together the overlapping vertical edges of said cylindrical member, the upper portion of said cylindrical member being open and being adapted to receive interiorly thereof the lower end of a tubular golf bag casing, the said mentioned lines of stitching being visible from the outside of said golf bag bottom unit.

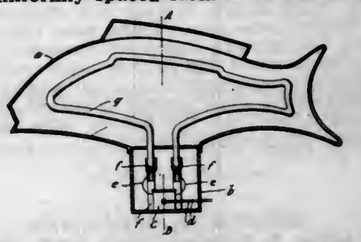
2,185,707
ELECTRIC CIRCUITS
Willard J. McLachlan, Scotia, N. Y., and Wayne E. Birchard, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application January 25, 1939, Serial No. 252,814
23 Claims. (Cl. 171—119)



1. In a line drop compensating system, a compensator element comprising, in combination, a resistor connected in a voltmeter circuit which measures the line to line voltage of a three-phase power line, adjustable means for selectively connecting to various points on said resistor a compensator current circuit which carries a current proportional in magnitude and similar in phase to the current in one of the lines of said power line between which said line to line voltage is measured, and means for shifting the phase of the compensation voltage of said element so as to correct for the unity power factor 30-degree phase displacement between the voltage of said voltmeter circuit and the compensator current comprising reactive means connected in parallel with said resistor.

2,185,708
TRANSLUCENT INTERNALLY ILLUMINATED CONTAINER
George H. Meyerricks, Hamburg, Germany
Application November 10, 1937, Serial No. 173,810
In Germany November 11, 1936
1 Claim. (Cl. 40—126)

An optical device, comprising a three-dimensional translucent body of non-symmetrical outline, and a gaseous discharge tube of identical non-symmetrical outline, said outline of the tube forming a closed circuit, the entire circuit being uniformly spaced from the outline of the

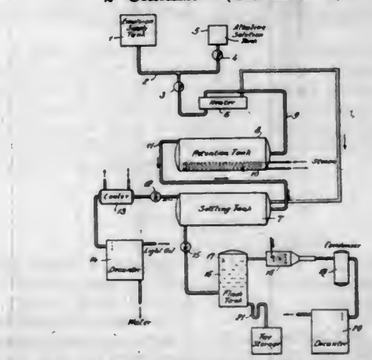


container, whereby all parts of the translucent body appear from the outside to be uniformly illuminated and the effect of a three-dimensional body is produced.

2,185,709
PRODUCTION OF AMINOANTHRAQUINONE COMPOUNDS
James Ogilvie, Buffalo, and Richard S. Wilder, Hamburg, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 28, 1938, Serial No. 216,288
17 Claims. (Cl. 260—378)

1. In the process for converting a leuco-aminoanthraquinone compound containing an amino radical in the 1-position of the anthraquinone nucleus and in the 4-position a radical selected from the group consisting of amino radicals and the hydroxyl radical to the corresponding aminoanthraquinone compound, the improvement which comprises oxidizing the leuco-aminoanthraquinone compound with an aromatic nitroso compound, whereby the corresponding aminoanthraquinone compound is obtained.

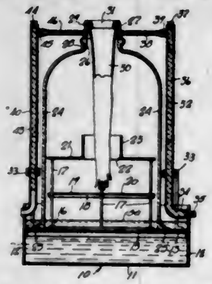
2,185,710
PROCESS OF BREAKING EMULSIONS
Harry Brownley Pearson, Jr., New York, N. Y. assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application January 31, 1938, Serial No. 187,783
2 Claims. (Cl. 196—4)



1. The process of breaking water gas tar emulsions which comprises continuously adding an alkaline de-emulsifying agent to a stream of water gas tar emulsion in amount such as to produce a mixture having an alkalinity corresponding to

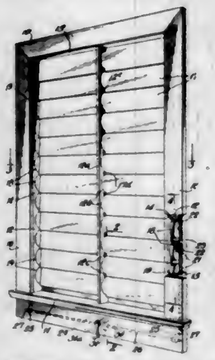
a pH of at least about 8, continuously heating said mixture to a temperature of from about 75° to about 350° F. while maintaining the mixture under a pressure of about 50 to about 120 pounds gauge, continuously flowing the mixture from said heating zone to a settling zone while maintaining the mixture under said pressure of from about 50 to about 120 pounds gauge, permitting the mixture to separate into water and tar layers in said settling zone, separately withdrawing the water and tar from the settling zone and then releasing the pressure thereon.

2,185,711
BIOLOGICAL APPARATUS
James A. Reyniers, South Bend, Ind.
Application April 25, 1938, Serial No. 204,251
15 Claims. (Cl. 119—15)



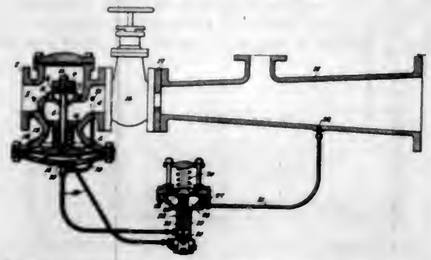
1. Biological apparatus comprising a liquid container, a false bottom in said container having a pair of openings, a bell supported by said false bottom at the margin of one opening, said bell having an opening at its upper end, a glove mounted in peripherally sealed relation at said bell opening, and a support carried by said false bottom and positioned within said bell above the liquid level in said container.

2,185,712
LOUVER CONSTRUCTION
Garold N. Rowley, Miami, Fla.
Application March 2, 1938, Serial No. 193,457
9 Claims. (Cl. 20—62)



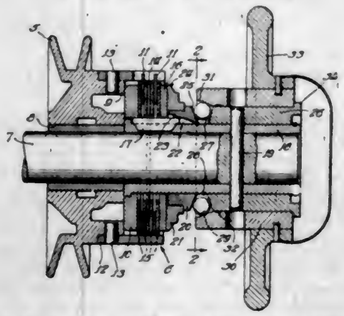
4. A louver construction comprising a frame including side members, a series of louvers, means for pivotally supporting said louvers in said side members, means intermediate said side members having apertures therein and recesses communicating therewith for receiving said louvers and said apertures serving to revolubly support said louvers, and means for actuating said louvers.

2,185,713
PRESSURE REDUCING APPARATUS
Paulsen Spence, East Orange, N. J.
Original application May 22, 1931, Serial No. 539,265, now Patent No. 2,067,510, dated January 12, 1937. Divided and this application June 8, 1936, Serial No. 84,181
1 Claim. (Cl. 50—11)



A pressure reducing means including an orifice plate having an orifice and a main valve, said orifice and main valve being arranged in series to each independently cause a pressure drop, an expanding conduit to gradually expand fluid after passing the last of said members in series, muffling means for said valve, said muffling means, orifice and expanding conduit cooperating to reduce fluid expansion noises, fluid pressure actuated means for said valve, means for controlling the fluid pressure on said fluid pressure actuated means and operable independently of the pressure increased velocity of fluid in passing through said orifice.

2,185,714
CLUTCH
Harold L. Scherer, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 2, 1938, Serial No. 211,336
4 Claims. (Cl. 192—93)

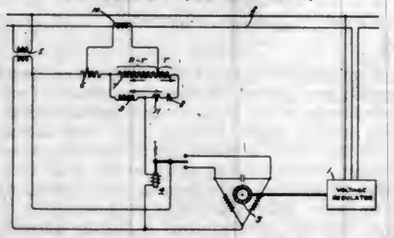


2. In a clutch, coaxial annular thrust members having axially spaced end faces defining between them an outwardly flaring annular groove, means on which one of said members is fixed and on which the other of said members is axially slidable so as to transmit packing pressure to friction clutching elements, a shipper sleeve freely rotatable on one of said members so as to receive a minimum of driving torque therefrom, said sleeve being provided with a hand wheel adapted to be engaged by the hands of an operator, and having an internal conical face, and bearing balls arranged in said groove the latter being adapted, when the shipper sleeve is moved axially, to force said bearing balls radially inwardly whereby to spread said thrust members

and produce clutch engagement, said internal conical face maintaining said balls in position for immediate effective operation at all times.,

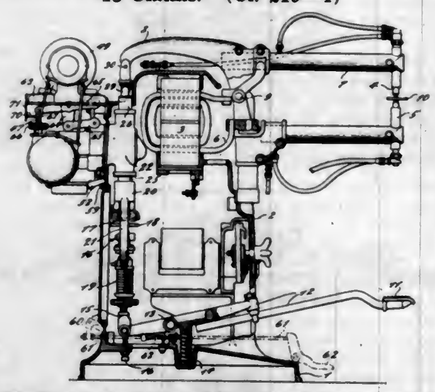
---

2,185,715
LINE DROP COMPENSATOR
Frank M. Starr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 24, 1937, Serial No. 176,293
16 Claims. (Cl. 171—119)



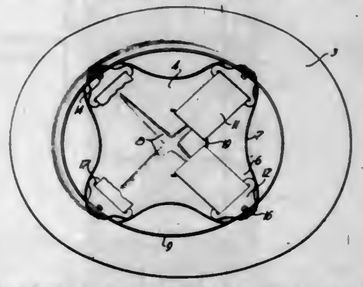
1. In a line drop compensated voltage sensitive system, an alternating current line, a voltage measuring device connected to respond to the voltage at a point on said line, a fixed reactor connected in circuit with said voltage measuring device, means for causing an alternating current which is proportional to the current in said line to flow through said reactor, means for adjusting the ratio of the line current to the reactor current, and means for causing the reactor current to be substantially in phase with the line current at any adjusted ratio of said currents.

2,185,716
WELDING MACHINE
Edmund J. von Henke, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois
Application July 17, 1937, Serial No. 154,116
13 Claims. (Cl. 219—4)



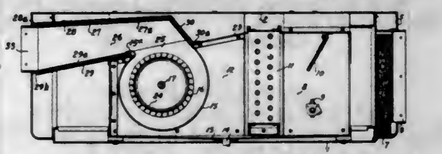
12. In an electric welding machine comprising two electrodes, one movable towards and away from the other, two stems having their ends in contact with each other, manually operable means connected to one of said stems and adapted to actuate it to push the other stem, means connecting said other stem to said movable electrode and adapted to move said movable electrode towards the other electrode when said one stem pushes said other stem, mechanism inoperative during manual operation and adapted to move said other stem away from said one stem to move said movable electrode towards the other electrode, a motor, means controlled by said motor to operate said mechanism, and means to return said other stem into contact with said one stem.

2,185,717
HAT
Lauren Otho Wisman, Walnut Creek, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application September 27, 1937, Serial No. 165,842
2 Claims. (Cl. 2—3)



1. A safety hat comprising a crown, a dome-shaped reinforcing member within the crown and lying in free surface contact with the dome of the crown, said member having depending leg portions extending downwardly toward the base of the crown and having recesses between the legs and extending upwardly into the body of the member, the recesses being concave to form reinforcing arches between said depending legs, and means for fastening the legs to the crown.

2,185,718
FAN
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application June 24, 1936, Serial No. 87,032
18 Claims. (Cl. 230—233)

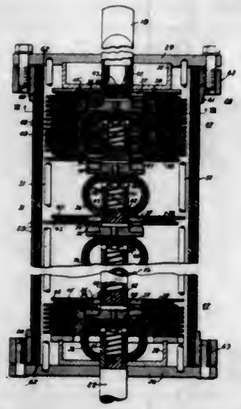


1. In combination, a fan and surrounding fan casing, and an extended air outlet separate from said fan casing and having a sound deadening lining material therein and disposed in part between portions of said air outlet and said fan casing and providing support for a part of said fan casing on said air outlet.

2,185,719
CIRCUIT BREAKER
Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 3, 1936, Serial No. 83,260
13 Claims. (Cl. 200—145)

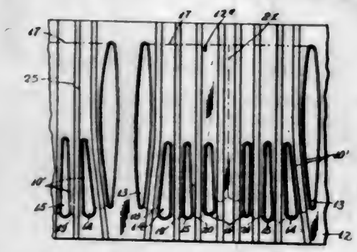
1. In a multi-break circuit interrupter, a plurality of arc establishing means including a plurality of sets of cooperating contacts relatively movable for drawing a plurality of long arcs, a tubular member of insulating material entirely

surrounding said arc establishing means, a metallic closure member disposed at each end of said tubular member, a plurality of cylindrical members of conducting material positioned circumferentially of and within the wall of said tubular member of insulating material, means connecting the cylindrical member of conducting material adjacent each end of said tubular member to its respective closure member, said plu-



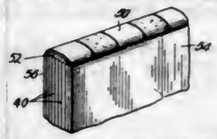
rality of cylindrical members of conducting material being disposed in partially overlapping and spaced relation with respect to each other to provide a series capacitance, said capacitance cooperating with said closure members for controlling the voltage distribution across said plurality of arc establishing means and to completely shield said arc establishing means from capacity to ground.

2,185,720
KNITTED GLOVE AND METHOD OF MAKING THE SAME
Max Bialostok, Brooklyn, N. Y., assignor of one-half to Joseph Bialostok, Lebanon, Pa.
Application August 21, 1937, Serial No. 160,221
4 Claims. (Cl. 2—169)



1. A method for manufacturing a knitted glove consisting of knitting a strip of material with a plurality of transverse openings having selvage edges so that a pair of said openings outline the sides of an area which may be folded in half to form a front layer and a rear layer of the glove, and other of said openings outline the sides of areas which may form the fingers of the above, cutting the glove area out by cutting between said pair of openings and between the other openings, folding the area in half to superimpose the finger portions and the layers of the glove, and sewing the layers and finger portions closed.

2,185,721
MANIFOLD UNIT AND METHOD OF PRODUCING THE SAME
Guy F. Brisendine, Kansas City, Mo., assignor to Carbon Systems, Inc., Kansas City, Mo., a corporation of Missouri
Application April 25, 1938, Serial No. 204,159
9 Claims. (Cl. 281—21)



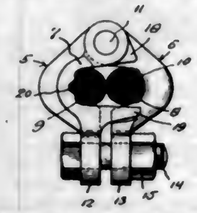
1. A manifold unit of the character described comprising a jacket of sheet material, U-shaped in transverse cross section and presenting a pair of legs and a bight joining said legs along one edge of the unit; a plurality of superimposed insert sheets embraced by said jacket with one edge thereof in spaced relation to said bight of the unit to form, with the bight and portions of the legs, a tubular cavity; and a filling of adhesive material in said cavity to releasably retain together the insert sheets and said jacket, said insert sheets having a series of outwardly disposed ears along the edges thereof adjacent to the bight of the jacket, said series of ears being complementary to the series of openings and extending thereinto.

2,185,722
NEEDLE THREADING DEVICE
Ralph Brown, Vancouver, British Columbia, Canada
Application May 7, 1938, Serial No. 206,504
4 Claims. (Cl. 223—99)



1. A needle threading device comprising a plate having a groove adapted to receive the eyed end of a needle, a threading tongue supported above one end of the groove and eye aligning means adjacent the other end of said groove.

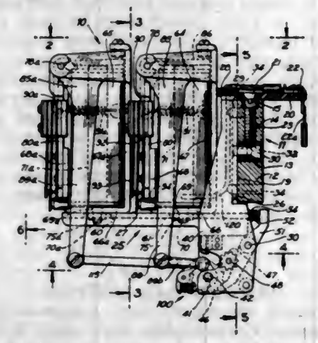
2,185,723
CABLE CLAMP
Arthur W. Buckner, Houston, Tex.
Application February 3, 1938, Serial No. 188,564
1 Claim. (Cl. 24—132)



A cable clamp of the character described comprising a pair of clamping members having outwardly arched intermediate jaw portions provided at their inner sides with opposed transverse recesses for accommodating the ends of the

cables to be clamped together, one of said clamping members being of relatively wide plate-like form and provided at one end with spaced hinge knuckles and at the other end with an ear, the other clamping member being relatively narrow and provided at one end with an ear and at the other end with a single hinge knuckle received between and hinged to the hinge knuckles of the first-named clamping member, inwardly projecting horns on the hinge knuckles and on the ear of said first-named clamping member, said horns being arranged at opposite sides of said other clamping member and at opposite sides of the recess of said first-named clamping member for retaining the cable ends in proper superimposed relation until clamped together, and a bolt extending through the ears of said clamping members and having a nut threaded thereon to draw said members together.

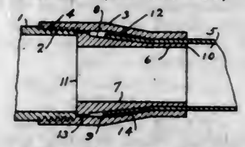
2,185,724
ELECTROMAGNETIC COUNTER UNIT
Benjamin Cooper, New York, N. Y.
Application January 4, 1937, Serial No. 118,970
8 Claims. (Cl. 175—337)



2. An electromagnetic unit comprising a frame, a pair of parallel, vertical electromagnets mounted thereon, a horizontal shaft on said frame and below said magnets, a pair of ratchets on said shaft, bell cranks pivoted on said frame having armatures overlying the upper ends of said electromagnets, and downwardly extending arms, and pawl mechanisms for actuating said ratchets and connected to said arms, said electromagnets being offset from one another and overlapping longitudinally and perpendicularly of said shaft, said arms being in spaced parallel planes perpendicular to said shaft, one of said pawl mechanisms being connected to the arm of the bell crank for the electromagnet furthest from the shaft by a link disposed below the other electromagnet.

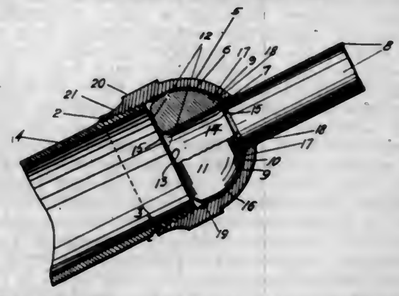
7. In combination, a support formed with a horizontal upper edge and having an opening below said edge, and a screw threaded vertical opening extending down from said edge at right angles to the first opening and communicating therewith, an electromagnetic unit comprising a frame supporting an electromagnet and having a pin received within said first opening, said pin having a conical opening therein registering with the screw threaded opening, and a screw screwed within said screw threaded opening and having a conical end received within the conical opening of said pin, an insulating plate on said unit at substantially the level of said edge of said support, and adjacent thereto, said plate being formed with openings, the wires of said electromagnetic unit being flexible and passing individually through the openings in said plate, terminals on the ends of said wires, terminals fixed to the upper edge of said support and insulated therefrom, substantially aligned with the openings in the insulating plate, whereby the terminals on the support and the corresponding terminals on said wires are disposed side by side, and cooperating, quickly detachable attachment means accessible from the top for attaching the terminals on the wires to the terminals on said support, said attachment means being detachable without removing the unit from the support.

2,185,725
ADAPTER COUPLING
Morris Aubrey Elliott, Baltimore, Md.
Application May 12, 1938, Serial No. 207,594
1 Claim. (Cl. 285—86)



A coupling of the class described for the connection of rigid and flexible pipe together comprising in combination, a shell having its rigid pipe end interior portion attachable and adjustable on rigid pipe and its flexible pipe end interior portion restricted in diameter to engage on the exterior peripheral surface of the flexible pipe for an appreciable distance, and the middle interior portion of the shell being tapered and enlarged from the flexible to the rigid pipe portion for enlarging the flexible pipe therein, and a thimble in the shell, and spaced therefrom for engagement with the interior of the flexible pipe and for pressing same against the shell surface, said shell having its end portion straight for an appreciable distance to conform with that of the shell and a tapered middle portion to conform with that of the said middle portion, said thimble having an extending flange at its rigid pipe portion adapted to come adjacent the walls of the shell and with knurling on its transverse face arranged to engage with the end face of the rigid pipe and lock thereon, substantially as described.

2,185,726
ADAPTER COUPLING
Morris Aubrey Elliott, Baltimore, Md.
Application December 21, 1938, Serial No. 247,133
3 Claims. (Cl. 285—86)



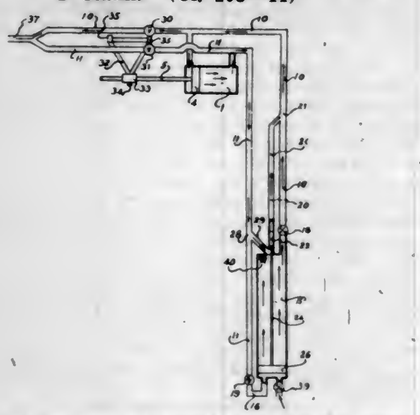
1. A coupling of the class described for connecting rigid piping with soft tubing together comprising in combination, a shell with one end portion of hemispherical hollow form with an opening at the summit thereof adapted to permit the insertion of soft tubing axially therethrough,

and its other end portion formed cylindrically and internally screw threaded to receive rigid piping, said internal hemispherical surface being provided with relatively narrow groves adjacent the opening aforesaid, a thimble member under pressure against the internal surface of the shell by the direct contact of the rigid piping, formed to fit closely in the hemispherical portion of the shell and having a central passage therethrough with the terminations thereof rounded, the peripheral surface of the member having ridges thereon adapted to align approximately with the grooves and press into soft tubing placed through the opening with its end portion flared in the shell between same and the member, the upper surface of the member being flat and provided with projecting fins arranged to directly contact the end surface portion of rigid piping screwed into the cylindrical end portion of the shell, the edges of the upper surface being substantially rounded to permit a ball-like movement of the member in the shell.

2,185,727

HYDRAULIC PUMP

Elias S. Emmons, Fort Worth, Tex., assignor to P. B. Barnett and J. E. Ashenfelder
Application August 3, 1936, Serial No. 94,065
1 Claim. (Cl. 103—44)

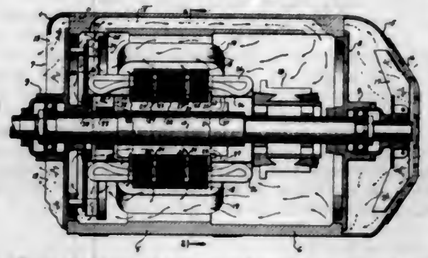


A hydraulic pump comprising a surface cylinder, a piston within the surface cylinder, a piston rod attached to the said piston and extending through one end of the said piston through the medium of the said rod, a pair of tubes, one of which communicates with one end of the said surface cylinder through a pipe connection, whereas the other tube communicates with the other end of the said cylinder through another pipe connection, valves in the said tubes positioned within the proximity of the said piston rod, means attached to the said piston rod alternately actuating the said valves, a pair of subsurface cylinders arranged in axial alignment with respect to each other, pistons within each of the said subsurface cylinders, a cap providing a partition between the said subsurface cylinders, a piston rod attached to the subsurface pistons and through said cap, branched communications connecting corresponding ends of the said subsurface cylinders with each of the said surface tubes, check valves positioned within the branched communications between the connections with the said subsurface cylinders, an inlet check valve within the said cap and one of the said subsurface cylinders, and another inlet check valve within the other end of the last named cylinder.

2,185,728

DYNAMO-ELECTRIC MACHINE

Carl J. Fechheimer, Milwaukee, Wis., assignor to The Louis Allis Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 1, 1937, Serial No. 172,138
6 Claims. (Cl. 171—252)

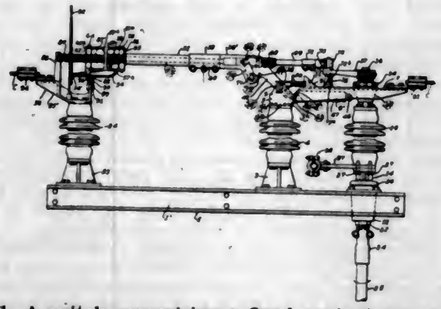


1. In a dynamo-electric machine: a frame having alternate internal and external longitudinal air passages opening respectively at their ends to the inside of the frame and to the outside atmosphere; end walls closing the end of the frame to form a closed casing; bearings carried by the end walls; a rotor journalled in said bearings, said rotor having a laminated core provided with radial vents, and a central longitudinal air passage leading to the radial vents from the ends of the core; a fan within the casing arranged to throw air into the internal longitudinal passages of the frame; and baffle means arranged in juxtaposition to the fan for guiding part of the air issuing from the fan inwardly over one end wall to the central air passage in the rotor core and its radial vents.

2,185,729

ELECTRICAL SWITCH

Olav Froland, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application January 22, 1938 Serial No. 186,322
9 Claims. (Cl. 200—48)

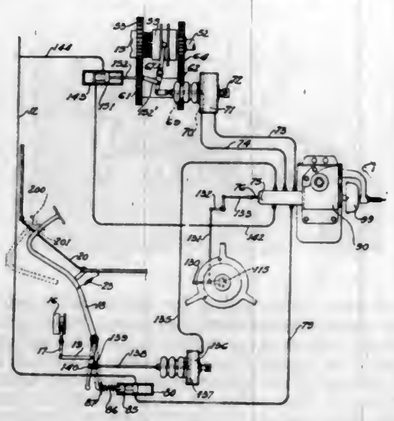


1. A switch comprising a fixed contact, an arm supported for swinging movement relative to said fixed contact, and toggle means supported by said arm which includes arcuate contact faces that rotate when the toggle means is operated and are adapted to be moved transversely with respect to said arm when the toggle means is operated into and out of mechanical and electrical contact with said fixed contact, and means supported by said arm for operating said toggle means so as to move said arcuate contact faces outwardly into contact with said fixed contact and inwardly out of contact with said fixed contact while the arcuate contact faces are simultaneously rotated.

2,185,730

MOTOR VEHICLE TRANSMISSION

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 30, 1935, Serial No. 52,392
11 Claims. (Cl. 192—3.5)

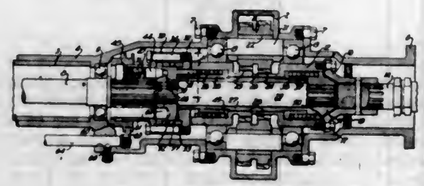


1. In mechanism of the class described, a source of power, a drive shaft, main clutch means normally engaging said drive shaft with said source of power, a foot lever for disconnecting said clutch, a driven shaft, over drive gearing in driven relation with said drive shaft, a second clutch shiftable to engage said driven shaft directly with said drive shaft or said over drive gearing, shifting mechanism for said second clutch, power means for actuating said shifting mechanism, a valve for controlling said power means arranged to be opened by said foot lever while the main clutch is disengaged, power means for moving said foot lever to clutch disengaging relation, and speed responsive means for controlling both of said power means, said speed control means establishing effectiveness of said lever actuating power means when the driven shaft rotates below the speed at which over drive is desired.

2,185,731

TRANSMISSION MECHANISM

Bert D. Hubbell, Los Angeles, Calif., assignor to Spring Clutch Control, Inc., Bellingham, Wash., a corporation of Washington
Application February 12, 1936, Serial No. 63,604
14 Claims. (Cl. 74—337)

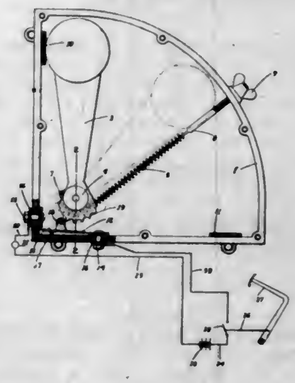


1. A transmission comprising a drive shaft, a driven shaft, an intermediate shaft, a gearing, a clutch ring connected to said gearing, a second clutch ring connected to the gearing and to the driven shaft, helical spring clutch elements engageable with said rings and each connected at one end to the intermediate shaft and at the other end to the drive shaft, means for yieldably locking the intermediate shaft to the driving shaft, and means for clutching the intermediate shaft to the driven shaft.

2,185,732

AUTOMATIC CIRCUIT BREAKER FOR STOP LIGHTS

Lewis L. Huelsdonk, Forest, Calif.
Application February 26, 1937, Serial No. 127,905
3 Claims. (Cl. 200—52)



3. A device for intermittently breaking the circuit of a vehicle stop light comprising a pair of normally closed contact elements forming a switch and adapted to be disposed in the circuit, means yieldably mounting one element for downward separating movement relative to the other element, an inverted pendulum pivoted above the movable element for swinging movement in one direction from a normal upstanding position, spring means yieldably maintaining the pendulum in such position, a series of spaced teeth on the pendulum disposed in a circular path below and concentric with the axis of the pendulum and a member substantially rigid with the movable contact element projecting into the path of movement of the teeth but disposed ahead of the same when the pendulum is in its normal position, said member being of a size to project freely between the teeth whereby when the pendulum swings from said normal position the member will be intermittently engaged and depressed by the teeth to intermittently separate the movable contact element from the other element.

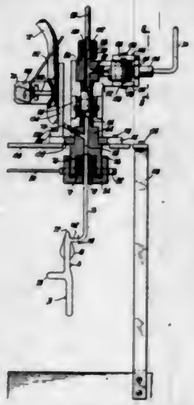
2,185,733

PROCESS AND APPARATUS FOR PRODUCING INDICIA TUBES FOR DISPLAY DEVICES

Alfonse Kaufman, Long Beach, N. Y., assignor to Biolite Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1936, Serial No. 83,100
4 Claims. (Cl. 226—116)

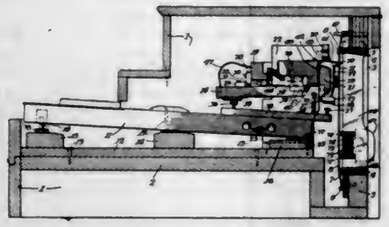
1. The method of producing display devices, which comprises introducing a small quantity of relatively volatile liquid into a preformed indicia tube, releasably clamping the said tube in an evacuating and filling apparatus including a measuring device for containing a suitable supply of liquid for introduction into the tube, simultaneously evacuating the tube and measuring device by applying suction thereto, interrupting the suction while maintaining the tube and device

evacuated, introducing liquid into the device



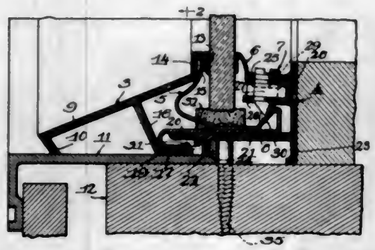
from a suitable supply thereof, and draining the liquid into the evacuated indicia tube.

2,185,734
STRINGED MUSICAL INSTRUMENT
Lloyd A. Loar, Elkhorn, Wis., assignor to Frank Holton & Co., Elkhorn, Wis., a corporation of Illinois
Application October 7, 1937, Serial No. 167,694
11 Claims. (Cl. 84—1.15)



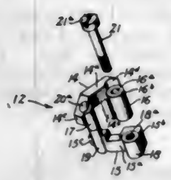
1. The combination, with the keys and strings of a keyboard stringed musical instrument, of a plectrum action comprising a support extending transversely with respect to said keys and said strings; a series of levers pivotally supported by said support, each of said levers being operatively associated with one of said keys and one of said strings and positioned with its rearward end extended toward said strings for movement crosswise of the string with which it is associated; a series of plectrum-jacks pivotally connected one to each of said levers near the rearward end thereof to swing forwardly thereupon away from the respective string, said plectrum-jacks being top-heavy over their pivotal connections with said levers; and a series of plectrums secured one upon each of said plectrum-jacks and projecting rearwardly therefrom to a position adjacent its respective one of said strings: the actuation of each of said keys effecting the operation of one of said levers and the movement of the attached plectrum-jack to bring the plectrum secured thereto into engagement with the respective string and draw it thereacross and thus effect the plucking of said string, such action causing said plectrum-jack to topple forwardly over its pivotal connection with said lever, thereby moving said plectrum away from said string.

2,185,735
SASH CONSTRUCTION
Victor Eleaph Peterson, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application August 26, 1937, Serial No. 160,943
4 Claims. (Cl. 20—56.4)



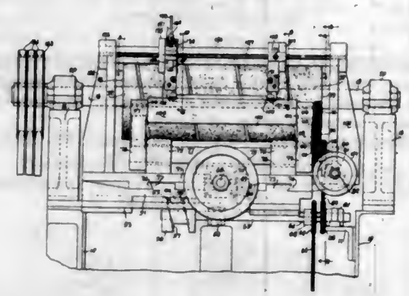
3. A sash construction for store fronts and the like, comprising in combination an inner and an outer sash member adapted to be mounted upon the window frame for supporting a pane of glass in a desired adjusted position, resilient brackets carried by the outer sash member at spaced points throughout its extent and so constructed and arranged as to draw this sash member rearwardly in a plane perpendicular to the pane of glass and into abutting relation with the glass, adjusting members carried by the inner sash member, complementary cam surfaces on the brackets and adjusting members so arranged that adjustment of these latter members moved the brackets and the outer sash member into glass retaining position, and a separate resilient member carried by the inner sash member and retained in position by the adjusting members adapted to apply a uniform resilient gripping pressure to the rear face of the glass.

2,185,736
BRACELET CONNECTING LINK
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application June 24, 1936, Serial No. 86,915
9 Claims. (Cl. 24—265)



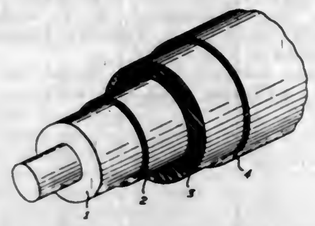
1. An end link for securing a bracelet chain to a watch bail comprising, in combination, a pair of substantially U-shaped parts, each leg of each of said parts having secured thereto a tubular element, one element of each part being pivotally joined to the corresponding element of the other part whereby the other of said elements are free for relative pivotal movement, said first two elements being adapted to be embraced by the end link of said bracelet chain, said freely pivotable elements being formed for disposition within said watch bail, and means for securing said freely pivotable elements in abutting relationship against relative pivotal movement when disposed within said watch bail.

2,185,737
ROLL GRINDING MACHINE
Norman J. Ritzert, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application May 10, 1937, Serial No. 141,684
7 Claims. (Cl. 51—95)



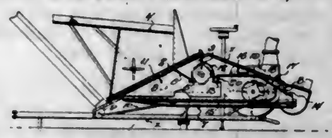
1. In combination, a bed having ways, a carriage movable along said ways, a rotatable abrading member mounted adjacent said carriage, means for reciprocating said carriage relatively to said abrading member, means for supporting a work roll upon said carriage, means including a pressure roll for urging said work roll into engagement with said abrading member, a swinging mount for holding said pressure roll, and micrometric means for adjustably moving one portion of said swinging mount relatively to another portion thereof to adjust the position of the axis of rotation of said pressure roll relatively to the axis of rotation of said abrading member.

2,185,738
METHOD OF MANUFACTURING A PRINTING ROLL
Joseph Rockoff, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 16, 1937, Serial No. 131,213
2 Claims. (Cl. 18—59)



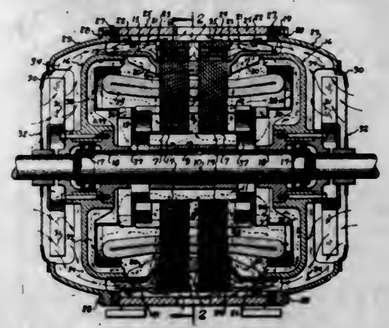
1. In a method of manufacturing a rubber veneer roller of uniform veneer coating thickness, applying a base coating of resilient vulcanizable material to an axle, vulcanizing said base coating under relatively high pressure and low temperature in the presence of moisture, shrinking said vulcanized base coating, grinding the surface thereof to provide the desired diameter roller, applying thereover an unvulcanized veneer coating of resilient material which is deleteriously affected by moisture in the uncured state and vulcanizing said veneer coating to said base coating at relatively low pressure while subjected to dry heat in the absence of moisture whereby to completely cure the veneer coating and vulcanize it to said base coating without adversely affecting the base coating.

2,185,739
CORN HUSKER AND SHREDDER
Henry L. Rosenthal and August Rosenthal, Wauwatosa, Wis., assignors to Rosenthal Manufacturing Co., West Allis, Wis.
Application October 31, 1938, Serial No. 237,900
1 Claim. (Cl. 146—76)



In a machine of the class described, a frame, a rotary cutter mounted on the frame, a stationary housing mounted on the frame enclosing said cutter and having a rear wall extending downwardly to substantial horizontal alinement with the lower portion of the cutter and terminating in a horizontal flange, a reciprocative shaker trough positioned below said stationary cutter and extending rearwardly thereof, a stationary blower conveyor mounted on the frame and positioned at one side of the shaker trough adjacent its rear end, a closed housing carried by the rear end of said trough and communicating with said stationary housing, said closed housing being movable with the trough, the forward end of said shaker trough housing extending over said horizontal flange and provided with a depending lip terminating closely adjacent said flange, said closed housing having an opening in one side of its wall communicating with said blower conveyor, and a removable lid in said closed housing providing access thereto.

2,185,740
DYNAMO-ELECTRIC MACHINE
Harold L. Smith, Whitefish Bay, Wis., assignor to The Louis Allis Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 1, 1937, Serial No. 172,127
6 Claims. (Cl. 171—252)



1. In a dynamo-electric machine: a stator core; annular rings engaging the ends of the core, said rings having their portions which engage the stator core disposed radially inwardly of the periphery of the core so that a peripheral portion of the core lies radially outwardly of the rings; said peripheral portion of the stator core having cross vents therethrough; an end plate having an explosion-proof connection with each of said rings to cooperate with said rings and the stator core to form a closed inner casing; bearings carried by said end plates; a rotor having its shaft journalled in said bearings; air impellers fixed to the shaft outside said end plates; and an outer casing around the inner

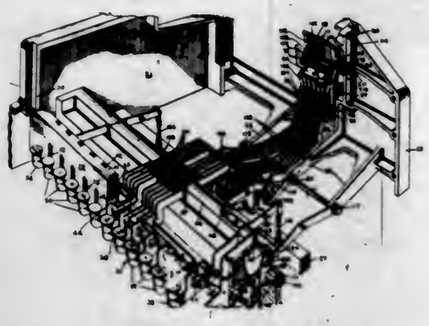
casing with a portion thereof encircling the exposed peripheral portion of the stator core in radially spaced relation thereto to form air passages leading from said air impellers to and around the exposed peripheral portion of the stator core so that air currents induced by said impellers flow over the walls of the inner casing, said exposed peripheral portion of the stator core, and through the air vents in said exposed peripheral portion of the stator core.

2,185,741
HOSE ATTACHMENT
Lloyd F. Sorg, San Carlos, and Harold E. Sorg, Berkeley, Calif.
Application July 5, 1938, Serial No. 217,382
4 Claims. (Cl. 138—61)



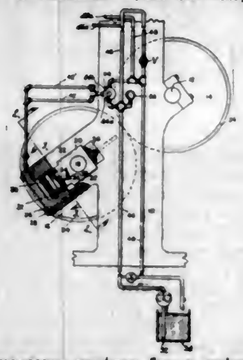
1. The combination with a hose and a coupling, of a coil spring for encircling the hose, and a sleeve fastened to said coupling for holding the spring, said sleeve having clincher fingers integrally formed thereon for clamping engagement with the hose.

2,185,742
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 1, 1937, Serial No. 134,324
11 Claims. (Cl. 197—178)



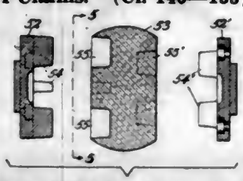
2. In a machine of the character described, a frame, a motor-driven escapement-controlled carriage movable across the frame, a magazine in said frame, a group of denominational-tabulator stops normally held in said magazine out of carriage-stopping position, settable stops on the carriage, actuators respectively for the denominational-tabulator stops, coupling means for selectively coupling said actuators to a power-operated device, a plurality of denominational-stop key-levers spring held in position in the frame, means connecting said key-levers respectively to said coupling means, a universal bar movable by said key-levers, a power-driven member mounted for movement by said universal bar, a power-drive element adapted to be engaged by said driven member, means connecting said driven member to an actuator for a denominational-tabulator stop through a selected coupling to thereby move the stop to operative position and to release the stop as it arrives at said position, and means for latching the stop in moved position comprising a shoulder spring-moved into latching position and releasable by lateral pressure on the stop.

2,185,743
PRINTING CYLINDER PRESSURE SYSTEM
Lyman Perry Albaugh, Des Moines, Iowa, assignor to Meredith Publishing Company, Des Moines, Iowa, a corporation of Iowa
Application January 22, 1937, Serial No. 121,814
2 Claims. (Cl. 60—52)



1. In a pressure system for a printing cylinder, a hydraulic cylinder for a bearing of the printing cylinder, a piston in said hydraulic cylinder and engaging the printing cylinder bearing to move the printing cylinder toward printing position, a hydraulic pipe system connected with said hydraulic cylinder, a break block interposed between said piston and said bearing and means for retaining fluid in said pipe system and hydraulic cylinder under substantially constant pressure.

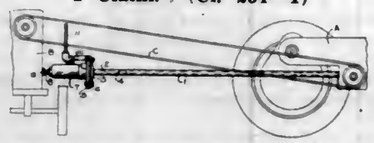
2,185,744
BREAD SLICING MACHINE
Robert J. Beutel, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application January 2, 1936, Serial No. 57,081
4 Claims. (Cl. 146—153)



1. In a slicer of the type comprising a reciprocable blade carrier, a set of guides having sliding contact with said blade carrier, and arranged to confine it to a rectilinear path, and a crank-shaft enclosed within a crank case adapted to hold a supply of lubricant; lubricant controlling means, including a stuffing box on said crank-case, and a plunger connected with said crank-shaft and protruding through said stuffing box, carrying a cross-head connected to said blade carrier; said stuffing box including a cover having an orifice through which said plunger passes with a slip fit, and an internal gland through which the plunger likewise passes, said internal gland being spaced from the cover-orifice and being fitted to strip

from said plunger the major portion of the lubricant thereon, derived from the crank-case, but allowing a moiety of lubricant to remain on the plunger, the gland having perforations to permit return to the crank-case of lubricant collected in the space between the gland and cover parts; said gland being of crumb-excluding construction to bar access to the crank case of crumbs from the sliced bread, and forming with the cover a unitary stuffing-box structure separable as such from said crank case; and means to secure said structure removably upon the crank case.

2,185,745
BELT TIGHTENER
William M. Crawford, Bondurant, Iowa
Application August 23, 1938, Serial No. 226,372
1 Claim. (Cl. 254—1)



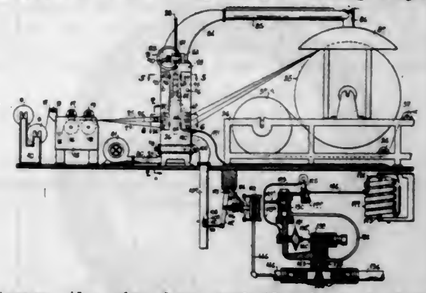
A belt tightener for disposal in bridging relation between a tractor and a machine to be driven thereby through the medium of a belt, and comprising a tubular bar for engagement of one end thereof with the tractor, a head thickened on one face toward its center and its opposite face being flat, a shank extending centrally from the thickened face and secured to and mounted in the opposite end of the bar, a hydraulic jack including a base secured to the head in engagement with the flat face thereof for disposal in alignment with the bar, and said jack being adapted for engagement with the machine for cooperation with the bar to separate said tractor and machine for drawing and holding the belt taut.

2,185,746
METHOD OF PRODUCING PERMANENT GLAZE CHINTZ
Denis de Goencz, Edmund C. Tarnuzzer, and Alfred F. Stockwell, North Adams, Mass., assignors to Arnold Print Works, North Adams, Mass., a corporation of Massachusetts
No Drawing. Application July 23, 1936, Serial No. 92,142
5 Claims. (Cl. 91—70)

5. Method of producing glazed chintz, which comprises applying to the cloth a temporary filler, drying and calendering the filled cloth to a smooth, dense surface to limit penetration of a subsequently applied urea formaldehyde coating preparation, applying upon the smooth, dense surface thus provided a coating of aqueous preparation of an initial stage of a urea formaldehyde resin, drying the coating to a non-tacky state, friction calendering the coated goods while the setting of the urea formaldehyde resin is in progress, to obtain a highly glossy surface and to force the resin coating into firm contact with the filled cloth, further setting the urea formaldehyde resin to a substantially water-insoluble state, after said friction calendering operation, removing the temporary filler and breaking up the continuity of the urea formaldehyde resin coating.

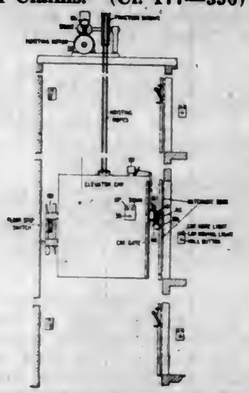
2,185,747
METHOD AND MEANS FOR TREATING YARN
Ira L. Griffin, Charlotte, N. C.
Application November 15, 1937, Serial No. 174,687
17 Claims. (Cl. 28—28)

1. Apparatus for treating warp yarn comprising a sizing machine having a size box and a series of heated drums for drying the warp yarn after it has passed through the size box, means for partially drying the yarn before it reaches the heated drums comprising a casing disposed



between the size box and the heated drums, means for heating the interior of the casing, and means within the casing for splitting the sheet of warp yarn into a plurality of sheets while it passes through said compartment on its way from the size box to the heated drums.

2,185,748
ELEVATOR SYSTEM
Frank Louis Kebelman, Rockville Centre, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application August 27, 1936, Serial No. 98,111
4 Claims. (Cl. 177—336)

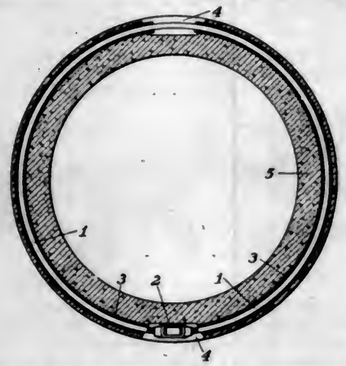


1. A control system for an elevator car comprising; a plurality of manually operable controls, one at each of a plurality of landings; means responsive to the operation of a control at a landing other than the one at which the car is positioned and the manual maintaining of said control operated for causing the car to travel to and stop at such landing; a plurality of signals, one at each of said landings; and means operable, when the control operated is the one at the landing at which the car is located, to give said signal at that landing to indicate that the car is already at the landing and, when the control operated is one at some other landing, to give said signal at such other landing as the car arrives at that landing to indicate the arrival of the car at the landing.

2,185,749
MEANS OF REINFORCING CONCRETE
Robert Charles Kennedy, Oakland, Calif.
Application January 29, 1937, Serial No. 123,001
1 Claim. (Cl. 72—71)

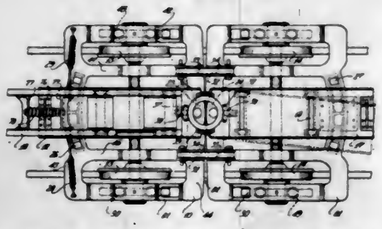
Reinforcement for a curved concrete wall, con-

sisting of metal rods placed loosely within tubes encased in the concrete and made continuous around the wall by means of adjustable threaded connections on said rods for placing the same in



tension so as to exert a radial pressure on the concrete, said tube enclosures having their ends clear of the abutments on the rods so that none of the rod tension will be absorbed directly by axial compression in the enclosing tubes.

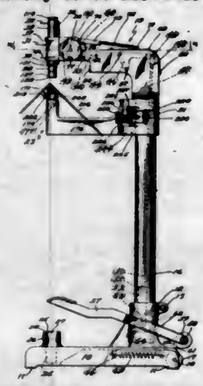
2,185,750
TRUCK
George T. Ronk, Lanark, Ill.
Application October 21, 1936, Serial No. 106,913
6 Claims. (Cl. 213—178)



1. In an articulated train of cars, means for connecting the adjacent ends of two cars comprising an upwardly extending segmental cylindrical king pin coupling, the king pin segments of which have slightly arcuate faces on their axis line, with a cylindrical detachable ring for holding the segment faces together to permit pivotal action on the said axis line, said ring adapted to be moved to operative position by being placed over the tops of the segments and adapted to closely engage the outer faces of the segments at all times.

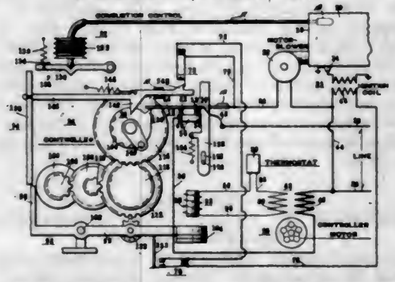
2,185,751
MACHINE FOR STAPLING DIVERSIFIED WORK
Roy E. Peterson, Norwalk, and Howard M. Larsen, Westport, Conn., assignors to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Application October 17, 1938, Serial No. 235,436
40 Claims. (Cl. 1—3)

1. A staple inserting machine including in combination with its support frame, a carrier mounted on said frame in a manner to be shiftable to different positions relative thereto, and a staple storing and driving unit supported and guided by said carrier in a manner to be movable relative to said carrier for feeding and driving staples thereby to be movable in respectively



divers paths of travel relative to said frame in said different positions of said carrier.

2,185,752
OIL BURNER CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application November 18, 1936, Serial No. 111,480
3 Claims. (Cl. 158—28)

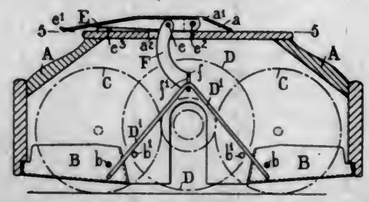


1. In a control system for a fuel burning apparatus, a circuit for controlling the operation of the apparatus; a switch in the circuit; a timing device, operable after a predetermined period of energization of the circuit, for opening the switch, said timing device including an electric motor constantly energized when the circuit is energized and constantly tending to actuate the device; means responsive to the establishment of combustion; a friction brake for stalling the timing device; and mechanism actuated by the timing device, after a predetermined operation of the device and rendered effective by the means, for actuating the brake to stall the timing device.

2,185,753
CARPET SWEEPER
John Percy Redfearn, Accrington, England, assignor to Entwisle & Kenyon Limited, Accrington, England
Application March 31, 1937, Serial No. 134,024
In Great Britain May 7, 1936
2 Claims. (Cl. 15—41)

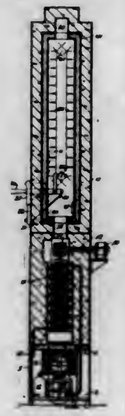
1. Mechanism for operating the dust pans of carpet sweepers comprising a casing, a bracket affixed on the top of the casing, an operating lever pivoted at one end to the bracket, a member on the bracket to prevent the operating lever from pivoting beyond a substantially vertical position,

a V spring, dust receptacles to which the ends of the V spring are pivotally connected, pivots for the dust receptacles carried by the casing, pins on the casing to prevent the dust receptacles from opening more than a predetermined amount, a link pivoted by one end to the actuating lever intermediate its ends and depending



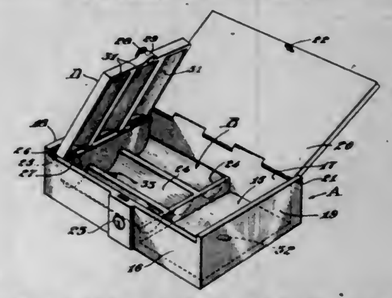
through a slot in the casing and means for attaching the apex of the V spring to the lower end of the link whereby when the lever is raised to the substantially vertical position to fully open the dustpans the point of attachment of the link to the lever passes the dead centre position and prevents the dustpans from closing until operated again by the lever.

2,185,754
REFRIGERATING AND DISPENSING APPARATUS
Clarence A. Rodman, Detroit, Mich.
Application October 24, 1935, Serial No. 46,544
3 Claims. (Cl. 62—6)



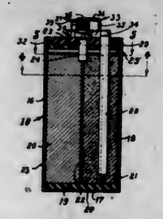
2. In a refrigerating and dispensing apparatus including a merchandise chamber, an opening in said chamber, a door normally closing the opening, air duct means leading to and from the merchandise chamber, a refrigerating mechanism having a heat absorbing unit positioned within the air duct means, a circulating means for circulating air from the chamber through the air duct means in heat exchanging relation to the heat absorbing unit and back into the merchandise chamber, a driving means for the refrigerating mechanism, a driving means for the circulating means, defrosting means associated with said heat absorbing unit, circuits for connecting to a source of electrical energy the driving means of the circulating means, the driving means of the refrigerating mechanism and the defrosting means, and including an interrupting means operated consequent upon closing the door to close the circuit to the driving means of the circulating means, to close the circuit to the driving means of the refrigerating mechanism, and to open the circuit to the defrosting means, and said interrupting means being further operative, consequent upon opening the door, to open the said circuit to the driving means of the circulating means, to open the circuit to the driving means of the refrigerating mechanism, and to close the circuit to the defrosting means.

2,185,755
BOBBIN RECEPTACLE
Morris Schnider, Los Angeles, Calif.
Application October 10, 1938, Serial No. 234,269
6 Claims. (Cl. 242—137)



1. In a bobbin receptacle, a housing, means in said housing for supporting a plurality of bobbins in an upright position, a leaf pivotally carried by said housing, bobbin engaging means on said leaf, and a lid hinged to said housing for clamping said leaf against bobbins contained in said housing, there being a spring-pressed member positioned between said leaf and lid to impart a yielding pressure to said leaf.

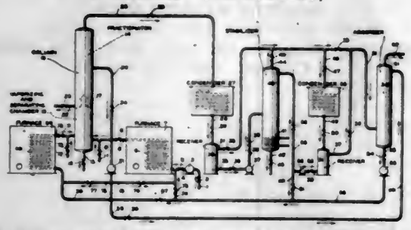
2,185,756
MULTIPLE CELL DRY BATTERY
Arthur E. Spicer, Pasadena, Calif.
Application September 19, 1938, Serial No. 230,592
3 Claims. (Cl. 136—108)



3. A dry battery including an elongated zinc housing, partitions in said housing forming a plurality of elongated independent cells, a closure for the top of said housing, an independent positive post in each cell, each of said posts including a projecting portion extending through said closure, said posts being spaced apart, a supporting post common to all of said cells, said last mentioned post projecting above said closure, a metal contact member on each of said independent posts, the contact member on each cell including an upwardly extending portion and an inwardly extending portion, said inwardly extending portions converging towards the supporting post with the end portions aligned above the supporting post and removable insulating material between each of said contacts and between the common post and the adjacent con-

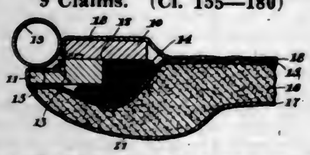
tact, said contacts each including a weakened portion and said supporting post including a weakened portion.

2,185,757
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 13, 1936, Serial No. 110,627
5 Claims. (Cl. 196—50)



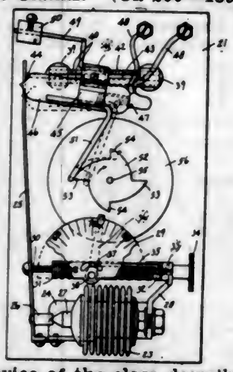
1. A process for the reforming of hydrocarbon distillates of low-boiling characteristics, which contain an appreciable quantity of fractions of low antiknock value boiling within the range of gasoline, for the purpose of producing a gasoline of materially improved antiknock value, which comprises subjecting the distillate in a heating zone to cracking conditions adequate to enhance its antiknock value, separating the resulting products into vaporous and non-vaporous components in a separating zone, subjecting said vaporous components to fractional condensation to separate the same into a heavy reflux condensate substantially devoid of gasoline, a lighter reflux condensate containing high-boiling gasoline fractions, a distillate product containing substantially all of the low-boiling gasoline fractions in said vaporous products and a normally gaseous product, recovering said distillate product, contacting at least a portion of said gaseous product with said lighter reflux condensate to absorb high-boiling components including propylene and butenes of the former in the latter, subjecting resultant enriched lighter reflux condensate to cracking conditions of temperature, pressure and time controlled independently of those employed for the distillate charging stock and adequate to convert the same into high yields of good antiknock gasoline, and subjecting the vaporous products of the last mentioned cracking step to said fractional condensation, together with the vaporous products of the first mentioned cracking step.

2,185,758
CHAIR BACK
Edwin T. Todd and Herbert C. Hall, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 14, 1938, Serial No. 195,691
9 Claims. (Cl. 155—180)



8. In a chair back rest, a pair of oppositely disposed spaced parallel rails, each having a longitudinal forwardly stepped portion along its inner length and each having a longitudinal stepped portion along its outer length on the back side thereof, a compressible element disposed within each longitudinal forwardly stepped portion, a fabric sheet disposed between the spaced parallel rails whose opposite lengths each cover the front surface of a compressible element and to each of which rails a length of the fabric sheet is secured in stretched relation for compressing each compressible element within the stepped portion of its rail, a padded member disposed between the spaced parallel rails whose opposite lengths each cover a compressible element, an upholstered sheet disposed over the front surface of the padded member and whose opposite lengths are each stretched over an outer rail to which each length is secured, an upholstered sheet disposed over the back surface of the fabric sheet and whose opposite lengths are each stretched over an outer rail to which each length is secured, and an inverted U-shaped frame member whose legs are each disposed within a stepped portion of the back side of a rail.

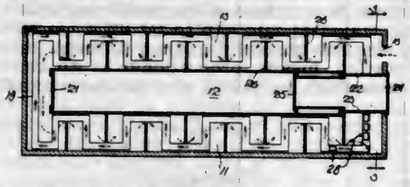
2,185,759
CIRCUIT CONTROL FOR HEATING SYSTEMS AND THE LIKE
Raymond E. Young, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application June 19, 1937, Serial No. 149,126
5 Claims. (Cl. 200—139)



1. In a device of the class described, the combination of a single cam member mounted for rotation and having two sets of uniformly spaced cam surfaces, one set of said surfaces being located between the other cam surfaces and of greater projection than said other surfaces, a switch member rockingly mounted in proximity to said cam member and having means to open and close an electrical circuit with the rocking movements of said switch member, means to shift the rocking mounting of said switch member with respect to the pivotal mounting of the cam member, temperature controlled means to actuate said shifting means aforesaid, and an element on the rocking mounting for the switch member having means to engage the cam surfaces aforesaid, substantially as described.

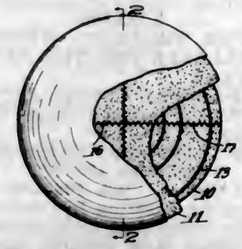
2,185,760
DRYING METHOD AND APPARATUS
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application March 9, 1934, Serial No. 714,739
In Germany March 10, 1933
12 Claims. (Cl. 34—24)

1. Apparatus for continuously drying a substance with the aid of dry air, comprising two chambers, means for conveying absorbing material through said chambers in a closed cycle,



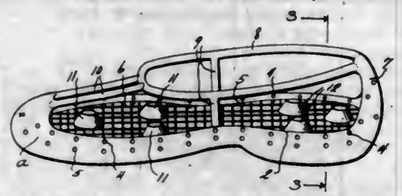
means for conveying the substance to be dried through one of said chambers and means for moving air through said chambers in counterflow to the movement of said absorbing material.

2,185,761
BREAST FORM
Herbert A. Austin, Boston, Mass., assignor to The H. A. Austin Company, Incorporated, Worcester, Mass., a corporation of Massachusetts
Application February 7, 1939, Serial No. 255,089
1 Claim. (Cl. 2—267)



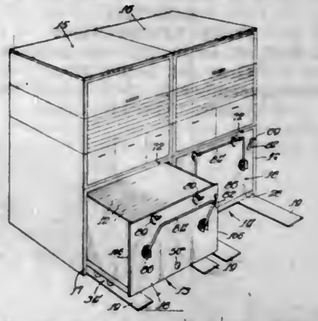
As an article of manufacture, a breast form comprising two convex cups of felt, concentric with each other, one within the other, their edges being merrowed in position, and a convex spiral metal spring between the two layers of felt for restoring the outer cup to its original convex position if it becomes indented in the center.

2,185,762
FOOTWEAR
Keith M. Cox, Darlington, Ind., assignor of forty one-hundredths to Raymond F. Anderson, Darlington, Ind.
Application February 2, 1939, Serial No. 254,284
5 Claims. (Cl. 36—8.1)



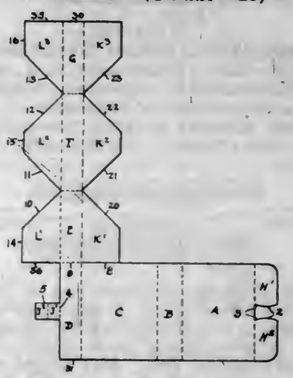
1. A bathing sandal comprising a bottom member of porous material having an under face impervious to moisture, the side marginal portions of said member being provided therealong with downwardly and outwardly inclined drain openings, a plurality of upstanding resilient knobs carried by the bottom member at the heel and sole portion thereof, said members readily compressing but normally maintaining a fixed raised form, and means carried by the bottom member for holding the bottom member in place upon a foot.

2,185,763
LARGE SIZE VERTICAL FILING MEANS
Harold L. De Lisle, Two Rivers, Wis.
Application January 2, 1937, Serial No. 118,729
5 Claims. (Cl. 45—7)



1. In filing means of the class described embodying heavy large size filing equipment, the combination with a drawer casing adapted to rest on the floor of an office or the like, of a relatively heavy large drawer received in said casing and adapted to be moved in and out thereof, and a permanent track co-planar with the floor of said casing projecting from said casing beneath said drawer in its withdrawn position wherein the drawer is operated by compressed air mechanism and carries a valve lever movable with the drawer for manually controlling said mechanism.

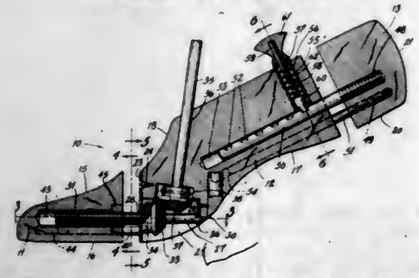
2,185,764
LOCKING BOX
Thomas H. Gagen, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application May 3, 1937, Serial No. 140,404
2 Claims. (Cl. 229—16)



1. A box of the character described comprising in combination interior and exterior casings, the interior casing comprising a unitary succession of walls separated by bending creases, wings attached to opposite sides of said walls adapted to be folded at right angles thereto in the finished box, the wings on each side of said walls comprising partial surfaces with edges angular in the blank and abutting in the assembly and having a combined area substantially equal to the area of a contiguous wall of the outer casing, the exterior casing comprising a front wall attached in the blank to an end of said successive walls, and having a bottom, a back, and a top

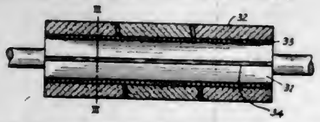
successively attached thereto, and locking in alignment on the outward edges of said front and top respectively.

2,185,765
SHOE STRETCHER
Floyd N. Hall, St. Louis, Mo., assignor to William Gray, St. Louis, Mo.
Application December 2, 1936, Serial No. 113,804
3 Claims. (Cl. 12—128.6)



1. In a device of the kind described, a first section, a recess in the front portion of said first section, cooperating bevelled gears within said recess, an operating handle connected to one of said gears, a threaded shaft fixed to the other of said gears extending from said recess, a second section, said second section being of substantially the length and configurations of the toe part of a shoe, an elongated recess therein opening in the rear thereof, a nut fixed in said recess at the rear face of the said second section, additional elongated recesses in said second section, and guide rods fixed to said first section and extending into said additional recesses, said shaft threadedly engaging said nut and adapted to move the second section relative to the first section upon manipulation of said handle.

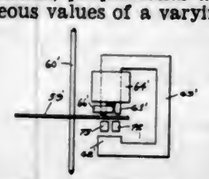
2,185,766
PRINTING PRESS CYLINDER
Kenneth W. Higby, Engelwood, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application January 3, 1938, Serial No. 183,108
11 Claims. (Cl. 101—420)



1. In a printing machine one or more pairs of rolls for printing on a traveling sheet, and guide rolls for controlling the direction of movement of said traveling sheet toward and away from the printing rolls, said guide rolls being provided with a porous rim of substantial thickness of rigidly bonded hard granular material, and said guide rolls being capable of being easily reconditioned after periods of use by treatment with a solvent for removing the ink absorbed during use.

2,185,767
MEASURING AND INTEGRATING DEVICE
Ernest S. Jefferies, Marion, Mass.
Application December 24, 1934, Serial No. 758,928
2 Claims. (Cl. 177—351)

1. A device of the class described, comprising in combination, a rotatably mounted element forming part of an integrating device, a magnetic structure having a gap therein for receiving a portion of said element, means for energizing said structure to produce a constant magnetic flux which traverses said gap to set up a reaction on said element normally passing through its axis of rotation, means, proportional at all times to the instantaneous values of a varying magnitude,

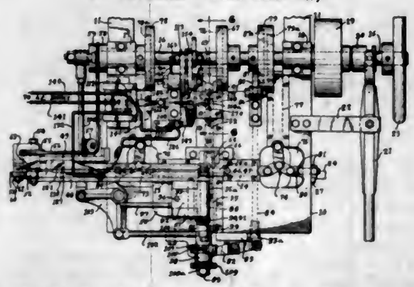


to shift said magnetic structure in order to vary the direction of application of the torque component of the magnetic flux to said element and cause its rotation to continuously integrate the values of said magnitude, and other means to simultaneously vary the value of the flux traversing said gap in proportion to a varying magnitude other than the magnitude being integrated.

2,185,768
PROCESS FOR TREATING HYDROCARBON OIL DISTILLATES FOR THE REMOVAL OF MERCAPTANS
Warren W. Johnstone, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1937, Serial No. 182,793
9 Claims. (Cl. 196—30)

1. A process for treating hydrocarbon oil distillates for the removal of mercaptans therefrom and for producing other refining effects without removing inhibiting materials, which comprises subjecting said distillate to treatment with an aqueous lead acetate solution of litharge, separating the aqueous and oil layers, adding sulfur to the oil layer in amounts adequate to convert substantially all oil-soluble lead mercaptides into lead sulfide and di-alkyl disulfides, and recovering the treated distillate.

2,185,769
SEPARABLE FASTENER ATTACHMENT MACHINE
Max Kiessling and Max J. Kiessling, Waterbury, Conn.
Application August 17, 1935, Serial No. 36,692
Renewed September 9, 1939
30 Claims. (Cl. 153—1)

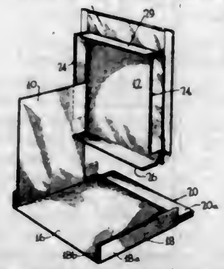


1. In a machine for attaching fastener elements to a strip of tape, a magazine containing a stack of fastener elements, a driving shaft, cam means, a feed slide operatively connected to said shaft by said cam means for removing said elements successively from said magazine and moving them into clamping position, cam and toggle linkage mechanism, and a pair of laterally movable slides operatively connected to said shaft by said cam and toggle linkage mechanism for clamping said elements along the edge of said tape.

8. In a machine for attaching fastener elements to a tape in a series of spaced rows, a magazine containing a stack of said elements, a feed slide for transferring said elements from said stack into position to be clamped upon said tape, a spring-retracted locking slide for temporarily restraining said feed slide between the rows of elements, a ratchet wheel, a pawl-carrying lever for intermittently actuating said wheel, a cam for rocking said lever, said lever being held out of engagement with said cam during the operation of said feed slide.

11. In a machine for attaching fastener elements to a tape, means for imparting a continuous step by step motion to said tape, a plurality of idle guide rolls arranged in triangular formation to impart frictional resistance to the movement of said tape, and a spring-pressed lever having an arcuate section for frictionally embracing a portion of the tape on one of said rolls.

2,185,770
RECEPTACLE
Hilding Larson, Moline, Ill., assignor to Lincoln Locker Corporation, Pocahontas, Iowa, a corporation of Iowa
Application July 2, 1937, Serial No. 151,575
2 Claims. (Cl. 45—7)



2. A knock down drawer of the class described comprising side wall members, a bottom wall member, a front wall member, and a rear wall member, the adjacent edges of the respective members having inter-engaging folds whereby the respective members may be assembled by longitudinal movement, the transverse fold along the lower edge of the front wall member and the transverse front edge of the bottom wall member being laterally displaceable rearwardly and the joint between the lower edge of the rear wall member and the rear transverse edge of the bottom wall member being vertically displaceable and normally preventing rearward displacement of the front wall member with respect to the front transverse edge of the bottom wall member, the remaining joints being laterally fixed whereby the rear wall in its connection to the side and bottom walls prevents disengagement of the front wall member and bottom wall member, and thereby locks all the parts together.

2,185,771
FISH LURE
Lloyd Mann, Glenview, Ill.
Application February 10, 1937, Serial No. 125,088
10 Claims. (Cl. 43—47)

1. A fish lure of the character described comprising, in combination, a minnow formed from a relatively thin sheet of metal to provide integral head, body and tail portions, said body portion being relatively flat and said tail portion having fin sections merging with opposite edges of the body portion and bent in opposite directions to a generally propeller like form, a hook mounted in fixed position on said minnow and projecting therefrom in a plane substantially perpendicular to said body portion and adjacent to said tail portion, said hook having a shank terminating in an eye and being positioned on said minnow with said shank extending along one side surface of the body portion and adjacent to one edge of said body portion with said eye located at said one edge adjacent to the juncture of said body and head portions for attachment of a line to the lure, the tail fin section adjacent the side edge of the minnow which is remote from said one edge along which said shank is positioned being formed to have a greater resistance to forward movement of the lure than the other tail fin section, and a stabilizing fin projecting laterally from said minnow along said other edge adjacent to the juncture of said head and body portions.



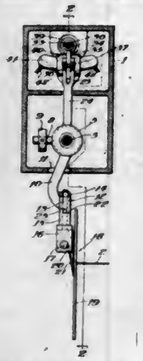
2,185,772
MOLD FOR REFRACTORY CAST MATERIALS
John Charles McMullen, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application December 23, 1935, Serial No. 55,843
2 Claims. (Cl. 49—65)

2. In a mold for the casting of molten refractory oxides, a facing for contact with said molten material, which facing consists of an unfired mixture of 75–95% of inert refractory granules in the approximate grit range between 14 and 50 mesh and 5–25% of finely divided carbon closely commingled therewith together with a temporary binder.

2,185,773
WEB GUIDE SWITCH
William C. Nash, Neenah, Wis., assignor of one-fifth to Mary Jones, and one-fifth to Marie Duvall Nash, both of Neenah, Wis., one-fifth to William M. Nash, Chicago, Ill., and one-fifth to Roy A. Nash, New Rochelle, N. Y.
Application January 11, 1937, Serial No. 119,992
2 Claims. (Cl. 200—52)

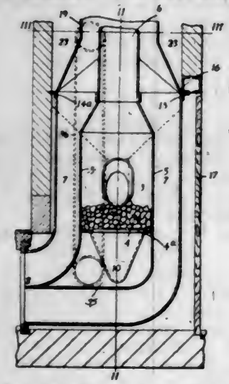
1. A feeler mechanism for a web guide which comprises, a support, a member pivotally mounted intermediate its length upon said support, a palm carried at one end of said member, means for maintaining said palm in contact with the edge of a continuously passing web, a swingable element mounted upon said support, an electric switch carried by said swingable element adapted to operate a web shifting device when moved a predetermined degree, and adjustable means connecting said swingable element to the opposite end of the pivotally mounted member, whereby the mechanical advantage of said swingable element with respect to said pivotally mounted

member is changed and a predetermined degree of lateral movement of said web causes said



swingable element to move said switch a predetermined degree.

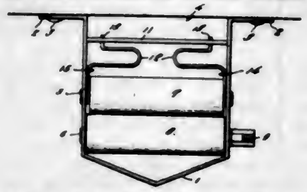
2,185,774
MEANS FOR SUPPLYING HEATED AIR TO THE ROOMS OF A BUILDING
Henry James Newlin, Birmingham, England
Application May 3, 1938, Serial No. 205,855
5 Claims. (Cl. 126—121)



2. Means for supplying the rooms of a building with heated air, having a fire-place comprising an expansible and contractable unit forming a fire-well and walls for the fire-well leading the products of combustion to the chimney, means for suspending the fire-place unit in sealed contact with the structure of the building and so that it is free to expand downwardly, comprising flanges or ledges on the front and rear of the fire-place unit which bed on ledges of the building structure, a chimney of heat conducting material fixed to the said fire-place unit, air passages around the fire-well and forming part of the fire-place unit and a tube fixed to said fire-place unit and forming an air passage leading from said passages and surrounding the said chimney.

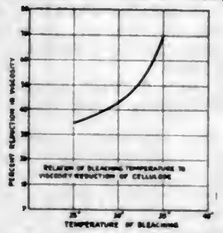
2,185,775
DISPENSER
Edward Ryba, Chicago, Ill.
Application April 5, 1939, Serial No. 266,218
3 Claims. (Cl. 221—60)

1. A dispenser of the class described comprising a substantially U-shaped frame adapted to be mounted on a support, a pair of coacting rolls journaled in the frame and adapted to receive and squeeze a collapsible container therebetween, one of the rolls being movable toward the other roll, a bar mounted in the frame between



the rolls and the support, and a pair of springs having one end secured to said bar and their other ends operatively connected to said one roll for yieldingly urging same toward said other roll.

2,185,776
METHOD OF TREATING WOOD CELLULOSE
Lyle Melvin Sheldon, Lionel Elmer Goff, Milton L. Herzog, and Fredrich Olsen, East Alton, Ill., assignors to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware
Application May 26, 1936, Serial No. 81,844
9 Claims. (Cl. 8—105)



5. The process of producing a purified wood cellulose having a viscosity above a predetermined minimum comprising providing sulfite pulp having a viscosity above 20 centipoises as herein defined, subjecting said pulp to purification treatments, comprising chlorinating with an amount of chlorine equivalent to 14%–18% of the bleach value of said pulp and continuing said treatment at least until exhaustion of the chlorine, treating said chlorinated pulp in dilute caustic soda solution at elevated temperature until the chlorinated compounds are dissolved decolorizing and further purifying said pulp by treating in a hypochlorite solution of not more than 3% concentration at a temperature in the range of 20° C. and 35° C. at a pH not less than 8.0 for not more than four hours, boiling in a non-mercerizing caustic soda solution and mercerizing said pulp so that the pulp has a cuprammonium viscosity of not less than 15 centipoises as defined herein, an alpha cellulose content of not less than 98% and a soda solubility of not more than 3% determined by boiling for about three hours in a 7.14% NaOH solution.

2,185,777
ELECTROSTATIC CONDENSER
Leslie G. Thomas, Tenafly, N. J., assignor to Automatic Winding Company, Inc., East Newark, N. J., a corporation of New Jersey
Application December 27, 1938, Serial No. 247,750
9 Claims. (Cl. 175—41.5)

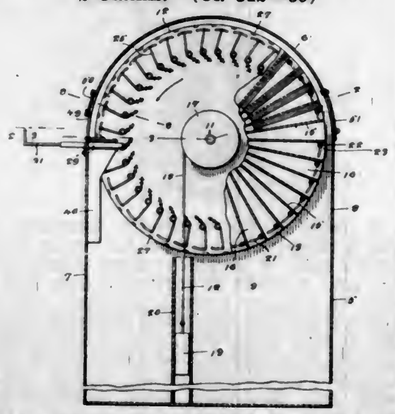
1. A trimmer condenser comprising an insulating support, a plurality of condenser plates fastened adjacent one margin of said support, another plurality of condenser plates fastened

adjacent the opposite margin of said support, insulator spacer members interleaved between



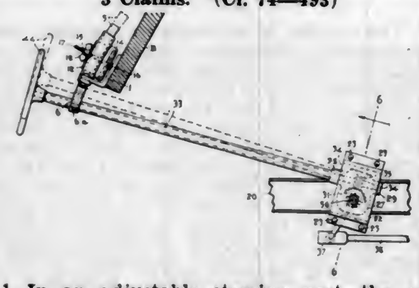
adjacent plates, and means integral with each plate in the region where it is fastened to said support to space it from adjacent plates.

2,185,778
VENDING MACHINE
Albert W. Thoreson, Thief River Falls, Minn.
Application June 13, 1938, Serial No. 213,513
2 Claims. (Cl. 312—59)



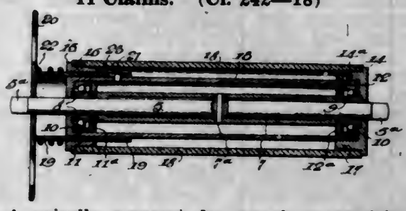
1. In a vending machine structure, a housing equipped with a dispensing opening in the front thereof, a magazine rotatably mounted in the housing and provided with side walls, radially extending partitions connecting said walls together and coacting with the latter to form a plurality of radially disposed pockets adapted for selective registry with said opening, said walls provided with arcuate shaped slots communicating with said pockets, shafts transversing said pockets and having ends extending through said slots, and springs mounted on the exterior side faces of said walls and having arms connected to the ends of said shafts for urging the latter towards said partitions whereby articles carried in said pockets are maintained clamped therein against said partitions by said shafts.

2,185,779
ADJUSTABLE STEERING POST
Lars Tveidt, Pasadena, Calif.
Application October 13, 1937, Serial No. 168,806
3 Claims. (Cl. 74—493)



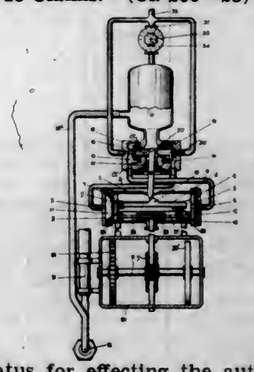
1. In an adjustable steering post, the combination of a housing adapted to be mounted on the instrument board of an automobile; a pair of arms slidable through said housing and provided with means for connection to a steering post pivotally mounted on the chassis of an automobile; a pair of blocks slidably mounted in said housing; wedge means interposed between said blocks and adapted to force said blocks into clamping engagement with said arms to prevent movement of said arms relative to said housing.

2,185,780
SPINDLE SUPPORT FOR SPOOLS
Johannes Uytenbogaart, Berlin - Lichterfelde, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application January 25, 1937, Serial No. 122,297
In Germany February 8, 1935
11 Claims. (Cl. 242—18)



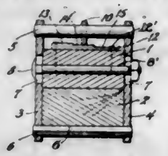
1. A spindle support for spools comprising a shaft, a core member rotatably mounted on said shaft, an abutment flange at one end of said core member and having a surface adapted to support an end of a spool, a removable abutment flange at the other end of said core member having a surface adapted to extend into the other end of the spool, and means to resiliently hold said removable abutment against said spool.

2,185,781
SELF-ADVANCING AUTOGENOUS TORCH
Ernst Becker, Dusseldorf, Germany, assignor to firma Autogenwerk "Sirius" Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany
Application August 2, 1938, Serial No. 222,715
In Germany January 27, 1938
13 Claims. (Cl. 266—23)



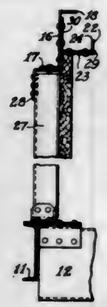
1. Apparatus for effecting the automatic advance of autogenous cutting torches adapted to be actuated by the oxygen used for the cutting operation, including a motor comprising at least one piston, wherein an air chamber is arranged between the motor and the cutting nozzle, through which air chamber the oxygen from the motor is arranged to flow before reaching the said nozzle.

2,185,782
CLAMPING DEVICE
Edward B. Brittin, Springfield, Ill.
Application January 12, 1938, Serial No. 184,668
3 Claims. (Cl. 24—17)



1. A clamp comprising a pair of side bars, a pair of transversely arranged members interconnecting the opposite ends of said bars, one of said members being cylindrical in shape, a clamping lever having an eccentric cam shaped terminal head, said head having an opening therethrough, said cylindrical member extending through said opening to permit said lever to slide on said cylindrical member, a clamping plate, means for supporting said plate adjacent said head and between said transversely arranged members, said plate having thereon a series of stepped faces of varying heights, whereby said head may be moved along the cylindrical member and thereafter rotated to engage a selected face by application of the same hand of the operator.

2,185,783
CAR END CONSTRUCTION
James W. Coleman, St. Lambert, Quebec, Canada
Application September 1, 1937, Serial No. 162,027
In Canada September 2, 1936
5 Claims. (Cl. 105—404)



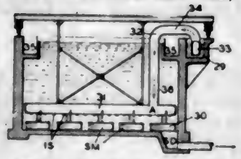
1. In car construction, the combination with a metal outside frame including an end sill, corner and intermediate uprights, side plates and an end plate connected to the side plates and to the corner and intermediate uprights; of a transverse member located inside said end plate at approximately the level of the side plates and extending from side to side of the car frame and arched inwardly from its ends to the centre; gusset plates secured to the ends of said transverse member and to the side plates and therethrough to the ends of the end plate; a centre upright additional to all other end uprights of the car secured to said end sill and extending upwardly substantially to said end plates; and a bracket secured to the upper portion of said centre upright and to said end plate and extending into the car inwardly of said end plate and secured to said transverse member midway between the ends thereof, whereby said end plate and transverse member constitute a truss.

2,185,784
PUMP
Jeff Corydon and Rudy Lowe, Providence, R. I., assignors to Proportioneers, Inc., a corporation of Rhode Island
Application May 27, 1938, Serial No. 210,359
2 Claims. (Cl. 103—150)



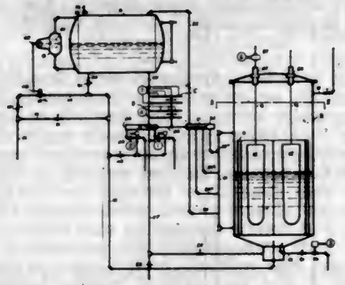
1. A pump of the character described comprising a rigid frame element having an annular clamping face, a flexible rubber diaphragm, a pump head recessed to cooperate with said diaphragm in forming a pump chamber, said head and said frame element being clamped upon the border of said diaphragm, and an actuating rod secured to a predetermined area of the central portion of said diaphragm for flexing the diaphragm, said diaphragm being molded with an annular bead of arcuate cross section disposed inwardly of its clamped border, said annular bead being of a width extending from the clamped border to said predetermined area.

2,185,785
SEDIMENTATION PROCESS AND APPARATUS
John V. N. Dorr, New York, and William C. Weber, Larchmont, N. Y., and George M. Darby and Elliott J. Roberts, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 8, 1935, Serial No. 25,584
Renewed June 22, 1939
7 Claims. (Cl. 210—55)



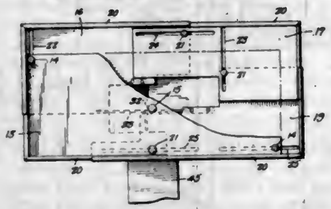
1. The process of separating suspended solids from liquids by concomitant flocculation and sedimentation within a single tank characterized by the maintenance of a disturbed flocculation zone superimposed on a quiescent sedimentation zone, continuously introducing and uniformly distributing the solids liquid mixture to be treated over the region constituting the boundary between the flocculation and sedimentation zones, said sedimentation zone being of sufficient depth to dissipate the kinetic energy of the introduced solids-liquid mixture and permit quiescent settlement of the flocculated particles toward the bottom of the tank where sludge thickening takes place under quiescent conditions, continuously conveying the settled solids to a point of discharge, removing supernatant liquid from the upper portion of the flocculation zone and maintaining in said flocculation zone substantially vertically rising fluid currents and substantially vertically rising and falling solid bodies.

2,185,786
MEANS FOR REGULATING ELECTRIC STEAM GENERATORS
Milton Eaton, Shawinigan Falls, Quebec, Canada, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application November 28, 1938, Serial No. 242,827
In Canada November 8, 1938
24 Claims. (Cl. 219—40)



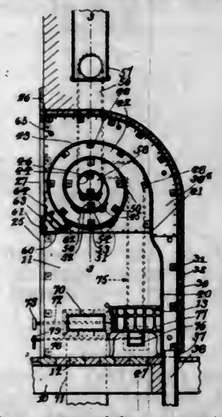
1. In an apparatus for regulating electric steam generators, the combination of an electric boiler, an elevated control tank for controlling the boiler water level, said control tank having a single steam inlet, water communication between the bottom of the control tank and the bottom of the boiler, steam communication between said inlet and a level of the boiler corresponding with a selected operative water level on the boiler electrodes, and a feed water supply for the boiler regulated by the water level in the control tank.

2,185,787
AUTOMOBILE LICENSE PLATE HOLDER
Thomas E. Eckler, Fort Madison, Iowa, assignor of one-half to William Convey, Fort Madison, Iowa
Application April 21, 1939, Serial No. 269,233
3 Claims. (Cl. 40—125)



1. A license plate holder comprising spaced plates, a sectional license plate holding frame disposed between the plates, means for adjustably connecting the sections of the frame to each other, one of said plates being provided with slots, ratchet bars carried by two of the sections of the frame engaged through said slots and crossing each other at a right angle, a bracket carried by one of the plates, a pivoted dog carried by the bracket adapted to engage the ratchet bars for holding the ratchet bars against relative movement, and means for holding the dog in operative or in released position.

2,185,788
FIREPLACE
August Robert Fredlund, Santa Barbara, Calif.
Application May 14, 1938, Serial No. 208,072
8 Claims. (Cl. 126—121)



2. A fireplace comprising a grate, a convolute flue conducting products of combustion from the grate to a chimney and presenting a large surface area to fresh air, means conducting fresh air to and around the surface before said air is discharged into a room, said flue progressively decreasing in width to a central horizontal position, and means conducting products of combustion from the central portion to the chimney.

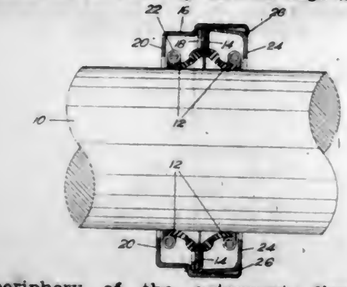
2,185,789
THREAD AND FIBER OF ORGANIC THERMOPLASTIC MATERIALS AND PROCESS OF PRODUCING THE SAME
Heinrich Jacqué, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 26, 1937, Serial No. 150,656. In Germany June 30, 1936
5 Claims. (Cl. 18—54)

1. A process of producing threads and fibers from highly polymerized organic materials which comprises forming a thin film of the material and stretching it in the direction of its length sufficiently to produce an orientation of the molecules in the direction of length and to render the film capable of disintegration by friction into fibers, and frictionally working the film to disintegrate it into fibers.

2,185,790
DOUBLE WIPE FLUID SEAL
Thomas O. Kosatka, Cicero, and Joseph A. Antonelli, Chicago, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application August 7, 1937, Serial No. 157,870
2 Claims. (Cl. 288—3)

1. A fluid seal, comprising an annular housing, an offset shoulder in the housing, and a pair of sealing elements positioned against the shoulder, each of said sealing elements comprising a flexible synthetic rubber diaphragm, a metal washer angular in cross-section supporting the diaphragm, only the washer portions abutting the shoulder, a sealing gasket between the shoulder and one of the supporting washers, means for maintaining the washers in the housing and in

fluid-tight relationship against the shoulder, said means comprising a cup-shaped metal element positioned in the housing with its edge abutting



the periphery of the outermost diaphragm washer, and an inturned edge on the housing for maintaining said cup-shaped element in position.

2,185,791

VEHICLE ROCKING APPARATUS

Philip J. Kroll, Houston, Tex., assignor to Marjorie Kroll, Cambridge, Mass.

Application May 5, 1936, Serial No. 78,065
17 Claims. (Cl. 73—51)



1. Apparatus of the character described comprising a rigid hollow protective cover casing, a pair of vehicle frame engaging and rocking members projecting upwardly from said casing, a pair of oppositely arranged bell crank levers pivotally supported within said casing and each having one arm connected to one of said rocking members, a strap connecting the other arms of said levers, and means housed within said casing and carried thereby for reciprocating said strap.

11. The combination with a vehicle lift rotatably supported by a central vertical shaft, of a support, a pair of upstanding posts having means at their upper ends for engaging the frame of a vehicle on said lift, means for oppositely reciprocating said posts to transmit rocking motion to the vehicle frame, and means carried by said support and engageable with the vehicle lift for preventing rotation thereof.

2,185,792

JOURNAL BOX LUBRICATOR

Fred C. Langdon, Washington, D. C.

Application February 8, 1939, Serial No. 255,337
9 Claims. (Cl. 308—83)



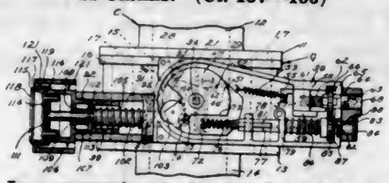
1. In a journal lubricator, a lubricant distributing plate comprising a curved portion for engaging the lower surface of a journal, flanges depending from the side and end edges of the curved portion, said curved portion having a central perforated portion surrounded by a marginal imperforated portion, said marginal imperforated portion having pockets throughout its concave surface.

2,185,793

GOVERNOR

William E. Leibing, Detroit Mich., assignor to Leibing Automotive Devices, Inc., Detroit, Mich., a corporation of Nevada

Application September 17, 1936, Serial No. 101,320
11 Claims. (Cl. 137—153)



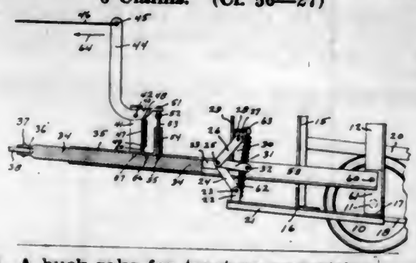
1. In a governing device for fluid flow through a conduit in an internal combustion engine, a flow responsive valve in said conduit, and means to move said valve toward closed position at a predetermined vacuum in said conduit comprising a piston having one end subject to the vacuum in said conduit, a plunger contacting the opposite end of said piston, guide means for said plunger, and means for sealing said plunger from contact with atmosphere and preventing dilution of the fuel mixture in the conduit and the entrance of dirt and foreign matter while permitting atmospheric pressure to act thereon, said guide means being apertured to admit atmosphere to the plunger end of said piston upon failure of said sealing means.

2,185,794

AUTOMATIC LIFT FOR TRACTOR BUCK RAKES

George W. Lewis, Early, Iowa, assignor of one-half to John W. Rutledge, and one-half to Emma M. Lewis, both of Early, Iowa

Application February 1, 1939, Serial No. 254,036
6 Claims. (Cl. 56—27)



1. A buck rake for tractors comprising a rake frame, wheels rotatably journalled thereto, means for tipping the rake frame upon said wheels, said tipping means provided by cooperant action with forward or rearward movement of a tractor connected to said rake frame, said means including a pair of rearwardly extending members pivotally attached to the frame, a hollow rearwardly extending member attached to said members, a further inner member slidably received within said hollow member, means cooperant with said further member to pivot said rake frame, said means including forwardly extending tongues attached to said inner member, a collapsible link structure attached to said tongues, said link structure including an upper and lower link, said upper link being pivotally attached to the rearwardly extending frame and said lower link being pivotally attached to the rake frame, said upper and lower links being pivotally attached at their ends, means for tilting said rake frame by movement of said tongues forwardly or rearwardly to cause corresponding collapsion or separation of said upper and lower links.

2,185,795

PROCESS FOR THE TREATMENT OF VEGETABLE FIBERS AND ARTIFICIAL THREADS

Leon Lilienfeld, Vienna, Austria; Paul Abel, Vienna, Austria (Germany), executor or in case of his inability to act, Emerich Hunna, Vienna, Austria (Germany), and Antonette Lilienfeld, Vienna, Austria (Germany), sole heir

No Drawing. Application June 22, 1932, Serial No. 618,803. In Great Britain July 4, 1931
18 Claims. (Cl. 8—116)

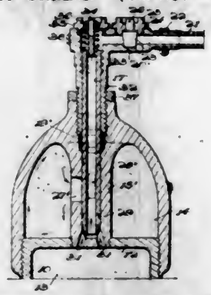
1. A process of improving cellulosic textile fibers which comprises treating same with at least one organic compound which contains an aliphatic chain of carbon atoms connected carbon-to-carbon and which aliphatic chain contains chemically combined halogen, oxygen and nitrogen, each bonded to a different carbon atom in said chain.

2,185,796

CONTAINER

Daniel K. McInnis and Robert B. Aldrich, New Orleans, La.

Application August 1, 1936, Serial No. 93,912
10 Claims. (Cl. 137—21)



1. A gas container having a main compartment and a reserve compartment, a tube having ports communicating with said reserve and main compartments, a conduit communicating with said tube, and a valve in said tube, said valve having ports adapted to register with the tube ports to connect the main compartment with the conduit in one position and the reserve compartment with the conduit in another position while disconnecting said main compartment from the conduit.

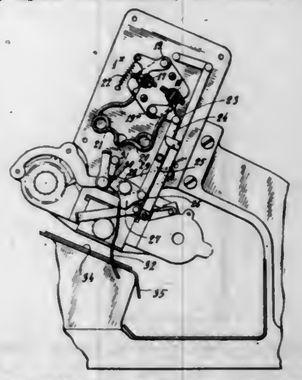
2,185,797

ELECTRICAL ENDORSING MACHINE

William F. Muller, Brooklyn, N. Y., assignor to William A. Force, III, New York, N. Y.

Application May 2, 1938, Serial No. 205,454
1 Claim. (Cl. 101—318)

In a machine of the character described and in combination with a standard, a reciprocal printing carriage movable into and out of printing position and electrical means for imparting reciprocation thereto supported by said standard, of a circuit, and circuit making and breaking means comprising a pair of contacts normally held in spaced relation, one of said contacts being pivotally mounted, a pair of toggle links connected to said pivotally mounted contact, an actuating lever pivoted to the standard and pivotally connected to said pair of toggle links, a finger lying in front of the printing carriage and adapted, upon movement, to actuate the lever



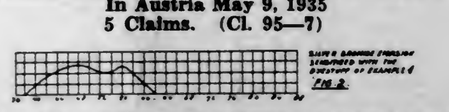
and toggle links to close the contacts, and a cam device operatively connected to the carriage and adapted to strike the toggle links and break the same for separating the contacts in the movement of the carriage toward final printing position.

2,185,798

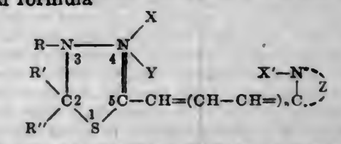
PHOTOGRAPHIC EMULSION

René Stevens, Antwerp, Belgium

Application August 9, 1938, Serial No. 223,873
In Austria May 9, 1935
5 Claims. (Cl. 95—7)



1. As a photographic material, a silver halide emulsion with an addition of a dyestuff of the general formula



wherein R is a member of the group constituted by phenyl, the naphthyls and the mono-halogen-substituted phenyls, while R′ is a member of the group constituted by H and the alkyls, R″, X and X′ are alkyls, Y is an anion and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five- and six-membered heterocyclic nuclei; *n* being a member of the group constituted by the integers including 0.

2,185,799

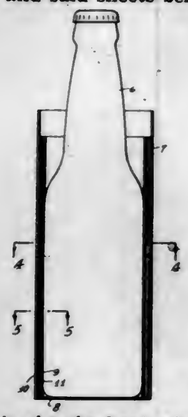
LIQUID COOLING MEANS AND CONTAINER THEREFOR

Kenneth R. Blake, Grosse Pointe, and Albert L. Bunting, Detroit, Mich.

Application December 8, 1938 Serial No. 244,656
3 Claims. (Cl. 62—94)

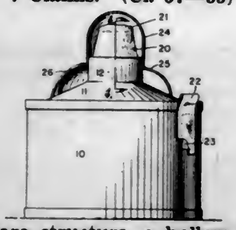
2. A liquid cooling means comprising a container of corrugated material with sheet material secured to each side thereof, said corrugated material and said sheet material on one side of said corrugated material being perforated

at a plurality of points, the interstices between said material and said sheets being filled with a



chemical which absorbs heat when dissolved in water.

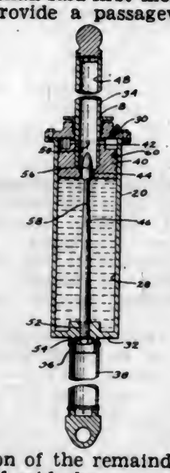
2,185,800
FUSEE FLARE
Philip E. Damon, Ames, Iowa
Application July 26, 1937, Serial No. 155,752
7 Claims. (Cl. 67—55)



2. In a flare structure, a hollow body with a reduced upwardly extending wick holding neck, a wick projecting through the neck, a non-inflammable cap having a portion adapted to frictionally fit over the neck whereby the cap will enclose the projecting portion of the wick for storage and transportation, and a stiffly bendable member connecting cap and the body to prevent accidental loss of the cap, said member being capable of being adjusted to hold the cap in position to shield the wick from the wind and yet permit the wick to burn, and to be bent to position where the cap is in its first-named position.

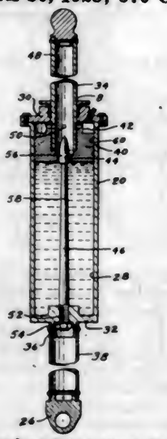
2,185,801
OLEO DEVICE FOR LANDING GEARS AND THE LIKE
Théophile de Port, Dayton, Ohio
Application April 27, 1931, Serial No. 533,110
21 Claims. (Cl. 267—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a shock absorber, the combination with a cylinder and a plunger working therein, said plunger having a port for the passage of liquid, of a metering pin disposed within said port for controlling a liquid, said pin having a portion of predetermined cross sectional area to provide with said port a relatively restricted passageway of predetermined uniform area for a predetermined length in the initial relative movement of said plunger and said pin from normal energy dissipating position and a portion of cross-sectional area less than said first-mentioned portion to thereafter provide a passageway of greater



area for a portion of the remainder of the relative movement of said plunger and pin.

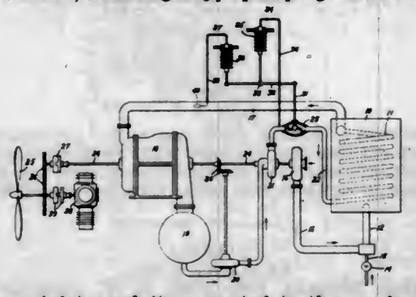
2,185,802
OLEO DEVICE FOR LANDING GEARS AND THE LIKE
Théophile de Port, New Carlisle, Ohio
Original application April 27, 1931, Serial No. 533,110. Divided and this application December 21, 1931, Serial No. 582,362
6 Claims. (Cl. 267—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



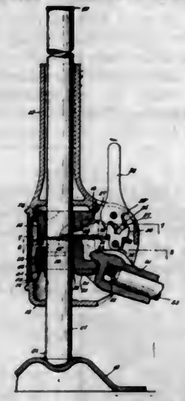
1. A method of absorbing energy during landing of an airplane comprising the steps of opposing an abruptly increasing resistance to the initial shock of landing, opposing a prolonged constant resistance after the initial landing shock, and opposing a decreasing resistance at the end of the landing shock.

2,185,803
ELASTIC FLUID POWER PLANT
Günther Diedrich, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application February 24, 1938, Serial No. 192,367
In Germany March 12, 1937
4 Claims. (Cl. 60—107)

1. Elastic fluid power plant including the combination of a forced circulation type boiler having a discharge conduit and a burner, a centrifugal type blower for supplying compressed air to the burner, an elastic fluid turbine with a shaft and an inlet connected to the discharge conduit, a condenser for condensing exhaust fluid from the turbine, centrifugal type pumping means having an inlet conduit connected to the condenser and an outlet conduit with a valve connected to the boiler, said blower and pumping means being mechanically driven from the turbine shaft, and means for automatically controlling said valve in response to temperature changes in the discharge conduit and pressure changes in the outlet conduit.



2,185,804
JACK
Clarence M. Ellenberger, Pendleton, Ind.
Application February 3, 1939, Serial No. 254,366
15 Claims. (Cl. 254—106)



14. In a friction jack having a body and a rod movable relatively to each other longitudinally of the rod, an operating lever pivoted in said body, a dog slidable on said rod and having an eccentric portion engaging said body, a second dog operatively associated with said lever and slidable on said rod, and means carried by said body and selectively operable either to bias both dogs for movement in the same direction along said rod or to bias said first dog in the opposite direction away from said second dog.

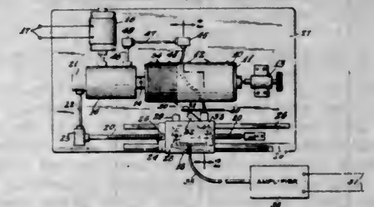
2,185,805
ANIMATED FIGURE CLOCK
Jacob S. Feiner, New York, N. Y.
Application December 15, 1938 Serial No. 245,814
7 Claims. (Cl. 58—129)

5. A two-pendulum clock in which the pendulums move in opposite directions and one is directly driven by the clock, a single member interposed between the pendulums for intermittent transmission of motion from the clock-driven pendulum to oscillate the other pendulum, the said member being carried by and movable with



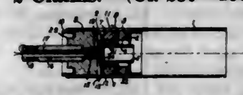
one pendulum and projecting at right angles therefrom into the path of movement of the other pendulum for periodic engagement therewith when swinging in one direction only, such engagement being at a point below the pivot of one pendulum and above the pivot of the other.

2,185,806
COLOR PICTURE TRANSMISSION SYSTEM
William G. H. Finch, Spuyten Duyvil, N. Y.
Application April 28, 1937, Serial No. 139,365
14 Claims. (Cl. 178—5.2)



1. The method of transmitting a colored picture which comprises the steps of scanning the picture by line by line scanning operations, causing successive lines to overlap, filtering out different colors of the light beam on successive overlapping lines to produce light intensities varying in accordance with predetermined color components of elemental portions of the picture, scanning for a separate color for each full successive scanning line, generating electrical signals in accordance with the varying light intensities of each of the color components, and translating the electrical signals to produce individual color separation prints.

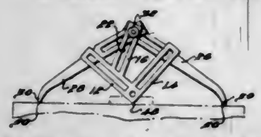
2,185,807
CATHODE RAY TUBE
Dennis Gabor and Leonard Rushforth, Rugby, England, assignors to General Electric Company, a corporation of New York
Application April 8, 1938, Serial No. 200,959
In Great Britain April 30, 1937
2 Claims. (Cl. 250—163)



1. An electrode assembly for cathode ray devices comprising an elongated metal tube, a block

of insulating material interfitting within one end of the tube, a cathode supported by the insulating block and having an electron emissive surface thereof exposed toward the interior of the tube, a first apertured electrode element positioned in operative alignment with the cathode within the tube and adapted to serve as a grid for controlling the emission from the said surface of the cathode, the said electrode element being maintained in spaced relation to the cathode by abutment with the said insulating block, a second apertured electrode element positioned within the tube in alignment with the said cathode and adapted to serve as an accelerating anode, an insulating spacer separating the said first and second electrode elements, and means within said elongated metal tube for clamping the said insulating block, the electrode elements and the spacers in mutually abutting engagement.

2,185,808
CHECKING AND MEASURING DEVICE
Eugene G. Grennon, Wyandotte, Mich.
Application April 7, 1938, Serial No. 200,694
1 Claim. (Cl. 33—75)



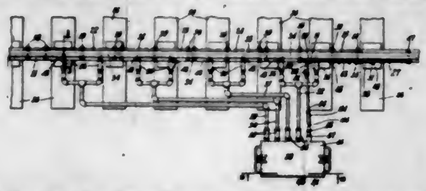
A combination tool including a square having first and second integral arms at right angles to each other, a third arm integral with one of said arms at an acute angle thereto on the same side as the other of said arms and diverging from the other of said arms, all of said arms having elongated slots therethrough, a pair of caliper arms each having a longitudinal slot therethrough adjacent one end thereof, the slot through said third arm being of such a length that its outer end lies substantially on the line of bi-section of the angle between the first and second integral arms, and means for removably attaching said caliper arms to one of said other arms through the slots of the respective arms.

2,185,809
ALLOY
Stephen P. Hackley, Stratford, Conn., assignor to The Bridgeport Rolling Mills Company, Bridgeport, Conn., a corporation of Connecticut
No Drawing. Application February 17, 1939, Serial No. 256,863
1 Claim. (Cl. 75—157)

A cold workable alloy characterized by its toughness, ductility, spring quality, high tensile strength, and high electrical conductivity, composed of copper in the amount of 87 to 90 percent, zinc in the amount of 9 to 12 percent, tin in the amount of 2 to 4 percent, and manganese added as a flux in an effective amount not in excess of 2 percent, and said alloy being substantially free of other constituents.

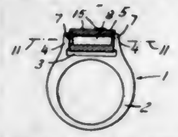
2,185,810
RAIL LUBRICATOR
Warren C. Heidenthal, Middletown, N. Y., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application May 29, 1936, Serial No. 82,481
12 Claims. (Cl. 184—3)

1. In apparatus for lubricating railway rails, a track structure having an extended lubricant chamber, said structure having an extended delivery slot for applying lubricant to the flanges



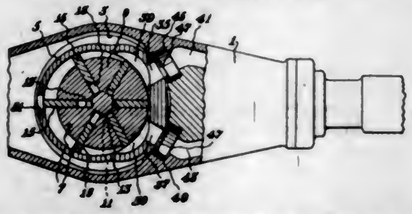
of wheels of rolling stock, means for introducing lubricant into said chamber, said chamber having lubricant deflecting members to equalize the distribution of lubricant along said delivery slot.

2,185,811
SEALING RING
Nathan Heyman, New York, N. Y., assignor to Oscar Heyman & Brothers, Inc., New York, N. Y., a corporation of New York
Application August 31, 1939, Serial No. 292,868
4 Claims. (Cl. 63—1)



4. A sealing ring which comprises a finger band, a rotatable member having a wax-impressing character formed on a cylindrical surface thereof, means for mounting the rotatable member on the band, said band, mounting means and rotatable member being constucted and arranged that the rotatable member is freely rotatable and may be rolled over wax and the character impressed therein.

2,185,812
SEALING DEVICE
Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application January 6, 1939, Serial No. 249,612
1 Claim. (Cl. 121—34)



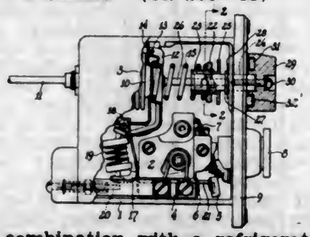
In a multi-vane motor for a drill and the like, a housing, a casing in the housing, a rotor in the casing, an inlet port in the casing to admit fluid under pressure to actuate the rotor, a conduit to supply fluid under pressure to the inlet port having an enlarged passage adjacent the inlet port, and a flexible member formed with a thin walled cylinder terminating at one end in an annular internal flange adapted to rest in the enlarged passage and to bear against the passage walls and the wall of the casing when fluid under pressure is supplied to the rotor and thereby effect a seal between the inlet port and conduit, and an exhaust port for the casing.

2,185,813
EXTENDIBLE FOOTREST FOR EASY CHAIRS
Linus Johnson, New York, N. Y.
Application October 31, 1938, Serial No. 237,946
6 Claims. (Cl. 155—170)



1. An extendible footrest for easy chairs, comprising a pair of spaced parallel tracks suspended at their ends beneath the seat of an easy chair, a U-shaped member for each of said tracks having its arms extended along the sides of and parallel to said track and having its center slidably supported on the track, hangers suspended beneath the seat of said chair and slidably supporting one of the arms of each of said members, a rod between the front ends of said arms, a pair of legs pivotally mounted on said rod and adapted to extend vertically downwards to rest on the floor or horizontally within the plane of said members, a footrest board rested across the inner arms of said members, bars pivotally connected with said footrest and said inner arms for supporting the footrest in its raised position, links between said legs and footrest for raising the footrest when the legs are moved to their vertical position and means for extending and retracting said members.

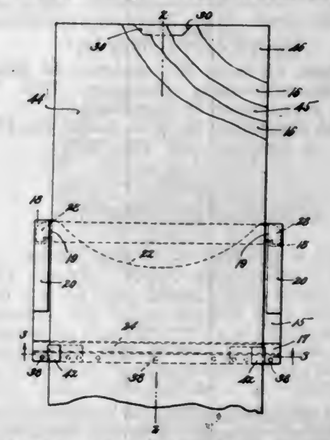
2,185,814
CONTROL DEVICE
Clarence W. Kuhn, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 7 1935, Serial No. 5,364
2 Claims. (Cl. 200—83)



1. The combination with a refrigerator control device having a loading spring associated therewith, of a cam adjusting mechanism for said spring including a cam element rotatable through a given range and having an adjusting knob associated therewith, said cam element having a cam surface of relatively slight pitch which is effective upon rotation of said element through a major part of its range to adjust said spring for cold control of the refrigerator, and also having a cam surface of relatively steep pitch which is effective upon rotation of said element through the remainder of its range to adjust said spring for defrosting control of the refrigerator.

2,185,815
MANIFOLD TRANSFER DEVICE
George U. Lacroix, Waltham, Mass.
Application April 22, 1937, Serial No. 138,386
12 Claims. (Cl. 282—29)

1. A manifold transfer device of the character described, comprising, in combination, a flexible sheet holder, a plurality of transfer sheets attached at their rear ends to marginal portions of the forward edge of said holder and a combined stop and guide member, the rear edge of said holder and said member being provided with interlocking means for detachably mounting said member on the rear edge of said holder.



2,185,816
TRIM FASTENER
William Marshall, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 8, 1937, Serial No. 173,345
18 Claims. (Cl. 24—73)



1. A fastener device for a metal trim panel having an opening formed therein, comprising a relatively flat base formed from a single strip of metal insertable in the panel opening and having an extension offset therefrom projecting beyond the base and extending in a plane above and parallel to the base to overlap an edge of the panel opening, a shoulder formed on the base and engageable with the opposite edge of the panel opening, and a part formed from the metal of the panel and overlapping a portion of the base.

2,185,817
SULPHONATED PRODUCTS
Ernst Alfred Mauersberger, Maarssen, Netherlands, assignor to Alframine Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 1, 1939, Serial No. 259,113
6 Claims. (Cl. 260—401)

1. The herein described process of producing chemical compounds, which comprises reacting at elevated temperatures aliphatic aldehydes containing 1 to 5 carbon atoms in the molecule, with compounds having the general formula:

$$R.CO.(NH.C_xH_{2x})_n.OH$$

in which R represents any alkyl or hydroxy-substituted alkyl chain of a fatty acid containing at least seven carbon atoms, x represents a number

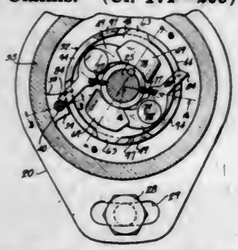
from 2 to 5 inclusive and *n* represents a number from 1 to 4 inclusive, and sulphonating the resulting product.

2,185,818

IMPULSE COUPLING

Curt F. Reis, Chicago, Ill., assignor to Superior Parts Manufacturing Company, New York, N. Y., a corporation of New York

Application November 19, 1937, Serial No. 175,385
2 Claims. (Cl. 171—209)



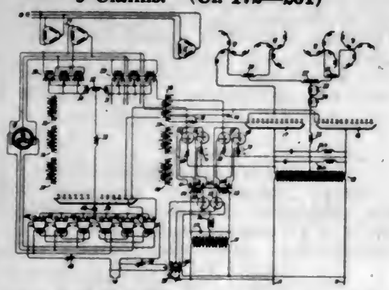
1. In an impulse coupling for a magneto, a cup-shaped driving member, a driven member comprised of a slotted tubular element and a circular plate element, a locking means for said driving and driven members, a stationary abutment member located adjacent said coupling, a pair of pawls pivoted in diametric opposition upon the circular element, each pawl provided with a recess, said tubular element having corresponding recesses therein, each in axial alignment with one of said pawl recesses, a spring associated with each pawl, having its ends seated in the aligned recesses in the pawl and tubular member, said springs serving to urge the corresponding pawl ends outward of the coupling periphery whereby, during impulse operation of the coupling, a positive engagement of the said pawl end with the said abutment member, will be effected for all assembly positions of the magneto.

2,185,819

ELECTRIC VALVE CONVERTING SYSTEM

August Schmidt, Jr., Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application May 19, 1938, Serial No. 208,877
9 Claims. (Cl. 172—281)



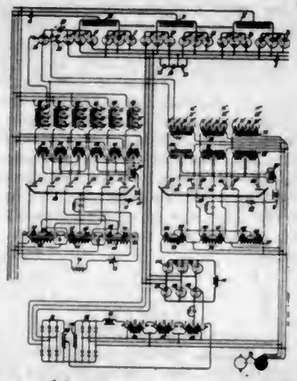
9. The combination comprising an alternating current supply circuit having a certain frequency, an alternating current load circuit having a different frequency, an electric valve converting system interconnecting said circuit, said system including a group of electric arc discharge valves being provided with control electrodes, and a control circuit for said electrodes including means for supplying thereto an alternating potential having a frequency corresponding to said input circuit, a pair of electron discharge valves arranged to supply positive and negative potentials to said control electrodes at a frequency corresponding to the frequency of said load circuit, a control transformer for said latter valves, a pair of arc discharge valves arranged to control the energization of said transformer, a source of alternating potential for supplying energy to said latter valves, said source having a frequency corresponding to the frequency of said load circuit, and means for controlling the conductivities of said latter valves.

2,185,820

ELECTRIC VALVE CONVERTING SYSTEM

August Schmidt, Jr., Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application May 19, 1938, Serial No. 208,878
15 Claims. (Cl. 172—281)



10. The combination comprising an electric valve converting system interconnecting alternating current input and output circuits of different frequencies, said system including a plurality of groups of electric discharge valves, an auxiliary electric discharge valve for each of said first valves for controlling the conductivity thereof, means for supplying to the anode of said auxiliary valves rectangular shaped alternating potentials having a frequency equal to the higher one of said circuits, means for supplying to the control electrode of said auxiliary valves rectangular shaped alternating potentials having a frequency equal to the lower one of said circuits, means for controlling the phase relation of said latter potentials thereby to control the power output of said first mentioned valves, means including a rectifier connected to said output circuit, said rectifier including a plurality of electric valves each provided with a control electrode, a source of control potential for said control electrode, and means responsive to an electrical condition of said electric valve converting system for controlling the phase relation of said control potentials thereby to control the amount of lagging volt amperes absorbed by said rectifying means.

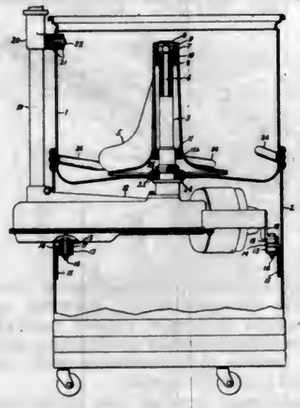
2,185,821

WASHING MACHINE

Charles Kountze Skinner, Southport, Conn., assignor to General Electric Company, a corporation of New York

Application April 15, 1937, Serial No. 137,054
1 Claim. (Cl. 220—69)

In a washing machine, a sheet metal tub, a cylindrical sheet metal support into which the lower portion of said tub is adapted to fit, means in said interfitting portions for fastening said tub to said support comprising spirally arranged and circumferentially spaced apart semicircumferential grooves in one part and ribs in the other part, and a yieldable strip covering the upper edge of said support and extending downwardly therefrom on both sides thereof, the inner side of said strip being gripped between said ribs and grooves of said support and said tub.

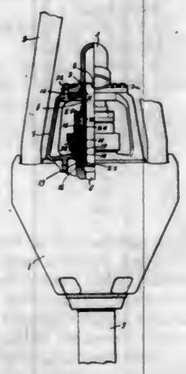


2,185,822

ROTARY SWIVEL

Forrest J. Young, Los Angeles, Calif., assignor to The National Supply Company, Torrance, Calif., a corporation of Pennsylvania

Application November 6, 1937, Serial No. 173,178
6 Claims. (Cl. 285—97.9)



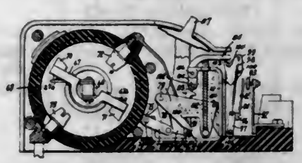
1. In a hydraulic rotary swivel, the combination of, a rotary member, a stationary member, one of the members encircling the other and defining between them an annular recess for packing, a fluid passageway extending axially of the rotary member, a passageway in the stationary member forming a continuation of said fluid passageway, packing means in said annular recess adapted to prevent fluid leakage at the junction of said passageways, said packing means including a plurality of annular resilient packing elements, individual means on said stationary member adapted to secure each packing element to said member independently of the other packing elements, said elements each contacting the rotary member to form a rotary seal.

2,185,823

CIRCUIT BREAKER

Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application January 28, 1938, Serial No. 188,275
7 Claims. (Cl. 200—116)



1. A circuit breaker comprising a floating actuating member, a movable contact connected to one end of said actuating member, a spring for biasing the other end of said member for movement in a predetermined direction, a guide for said other end extending in said predetermined direction, an intermediate portion of said member being provided with an operating surface extending at an acute angle with said guide, current responsive latching means for pivotally securing said actuating member at an intermediate point, an operating member provided with a projection engaging said operating surface to thereby move said actuating member bodily against the tension of said spring to a position to be secured by said latching means, whereby upon release of said operating means said actuating member is moved by said spring to actuate said contact to a closed circuit position.

2,185,824

MEDICINAL AGENT

Gordon A. Alles, Los Angeles, Calif.

No Drawing. Original application September 16, 1938, Serial No. 230,205. Divided and this application October 21, 1939, Serial No. 300,662
4 Claims. (Cl. 167—65)

1. A medicinal agent for administration by application to mucosal membranes to stimulate peripheral neuro-muscular mechanisms under control of the sympathetic nervous system, comprising 1-(parahydroxyphenyl)-2-aminopropane hydrogen acid tartrate suitably extended by association with an excipient adapting it for application to mucosal membranes.

2,185,825

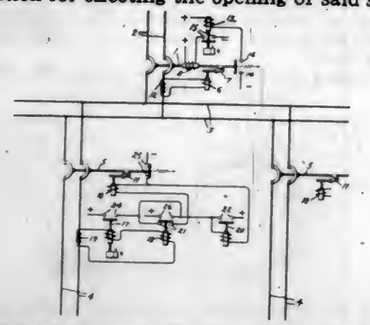
CIRCUIT BREAKER CONTROL SYSTEM

Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application October 26, 1937, Serial No. 171,060
9 Claims. (Cl. 175—294)

1. In combination, a supply circuit, an electric circuit, a circuit breaker connecting said supply circuit to said electric circuit, a second electric circuit, a second circuit breaker connecting said electric circuits, means responsive to a predetermined abnormal current flow through said first mentioned circuit breaker for opening said first mentioned circuit breaker, means independent of the conditions of said second electric circuit and said second circuit breaker for reclosing said first mentioned circuit breaker a predetermined time interval after the opening thereof, and means controlled by the current changes in said second electric circuit due to an abnormal circuit condition occurring therein and to the subsequent opening of said first mentioned circuit

breaker resulting from said abnormal current condition for effecting the opening of said second



circuit breaker during the time interval said first mentioned circuit breaker is open.

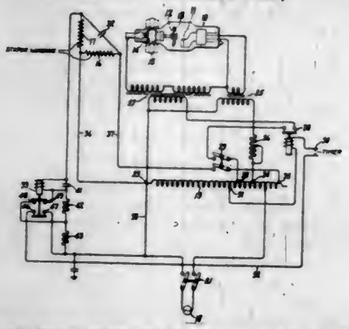
2,185,826

ROTATABLE ANODE X-RAY TUBE

Zed J. Atlee, Chicago, Ill., assignor to General Electric X-Ray Corporation, a corporation of New York

Application June 7, 1938, Serial No. 212,268

4 Claims. (Cl. 250—93)



1. In an apparatus of the type which includes a discharge tube having a stationary electrode, a rotatable electrode and electromagnetic means for driving the rotatable electrode, the combination which comprises a first electrical circuit for supplying operating current to the said tube, a second electrical circuit for energizing the said electrode driving means, the electrical conditions of said second circuit being variable in accordance with variations in the speed of rotation of said electrode, and means associated with said second circuit and responsive to an electrical condition thereof for preventing the supply of normal operating current to the tube except upon the attainment of a desired speed of rotation of the said rotatable electrode.

2,185,827

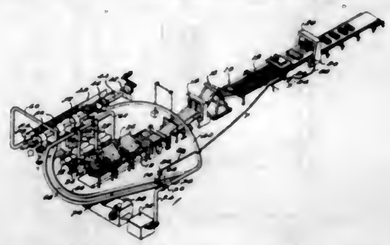
UPHOLSTERY FORMING APPARATUS

Clarence W. Avery, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application December 15, 1937, Serial No. 179,845

4 Claims. (Cl. 112—2)

1. Apparatus of the class described including, in combination, fiber processing means having a portion thereof in which the fibers are exposed, machine means for receiving the fibers from the processing means and forming articles therewith, supply conduit means for supplying material to said processing means, means applying a vacuum to a portion of said supply conduit means for causing movement to material therethrough other conduit means having its inlet end disposed above the exposed portion of said processing means and having its outlet end connected to



said supply conduit means, valve means controlling the communication between said other conduit means and said supply conduit means, and means automatically controlling actuation of the valve means in accordance with the operation of said machine means.

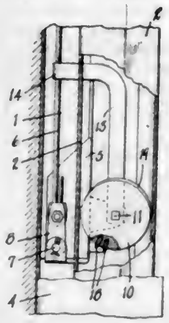
2,185,828

SAFETY CATCH FOR VERTICALLY SLIDING DOORS

Herbert Cady Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.

Application January 23, 1939, Serial No. 252,333

15 Claims. (Cl. 20—19)



1. A safety catch device for a vertically acting door having a vertical guide track and a lifting and sustaining cable, said device being governed by tension in the counterbalancing cable and coacting with the guide track thereof and comprising a roller-like catch located in said guide track, said catch having hardened track engaging points and an oppositely arranged eccentric portion adapted to coact with said track, a spindle secured to said catch and rotatably mounted on said door adjacent the bottom thereof, a coil spring secured at its inner end to said spindle and at its outer end to said door, said spring normally urging said catch in a direction to engage said points and said portion with said track, and an arm secured to said spindle having a hook thereon engageable with said cable to normally maintain the points and enlarged portion of said catch out of engagement with said track, said arm and spindle rotating under the influence of said spring upon release of the tension of said cable to engage said points and enlarged portion with said track and thereby prevent movement of the door.

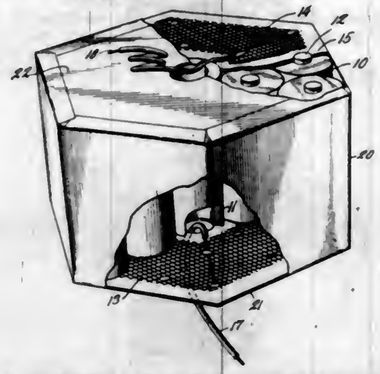
2,185,829

BATTERY

Charles F. Burgess, Bokeelia, Fla., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware

Application August 1, 1936, Serial No. 93,755

5 Claims. (Cl. 136—108)



1. A multiple cell battery comprising a container having substantially flat top and bottom members of polygonal shape, said members each having an opening therein, said openings being in substantial alignment with each other, an open-ended tube extending between said members and having the ends thereof coinciding with said openings, a multiplicity of electrically connected cup-shaped, cylindrical dry cells within said container and surrounding said tube, said dry cells having their long axes at right angles to said top and bottom members, and flexible battery terminal leads extending from said container and adapted to be inserted in said tube.

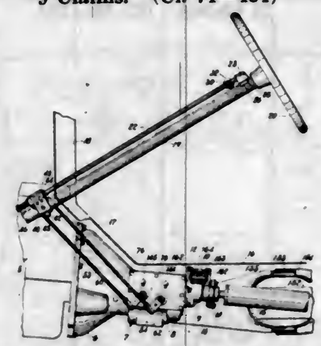
2,185,830

TRANSMISSION AND GEAR SHIFT MECHANISM THEREFOR

Leo O. Burt, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware

Application April 2, 1938, Serial No. 199,559

9 Claims. (Cl. 74—484)



1. A transmission comprising a housing having an open side, change speed gearing therein, a fixed rod extending longitudinally along said side of said housing, a pair of independent shifter forks mounted for reciprocatory movement on said rod and engaging shiftable portions of said gearing, said forks having notched portions lying in the plane of said side, a plate closing said side and having spaced outwardly projecting journal portions, a pair of arms pivotally mounted in the said journal portions and having ends each engaging in the notched portion of one of said forks, and means controlled from a remote point for selecting either of said arms and rotating the selected arm in either direction from an intermediate portion.

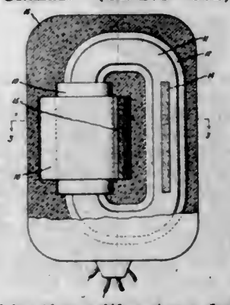
2,185,831

TRANSFORMER

Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application March 18, 1938, Serial No. 196,696

3 Claims. (Cl. 175—361)



1. The combination with a transformer treated with an insulating compound which softens when heated, of a sealed one piece concrete casing closely fitting the surface of the transformer, and a cellular member between the transformer surface and the concrete to permit thermal expansion of the insulating compound, the transformer surface covered by the cellular member being restricted to prevent any substantial interference to heat dissipation from the transformer.

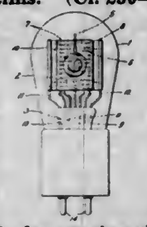
2,185,832

ELECTRIC DISCHARGE DEVICE AND METHOD OF MANUFACTURE

Ernest E. Charlton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

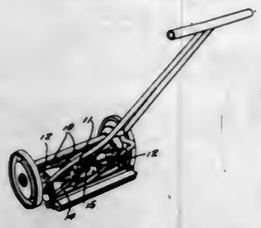
Division of application Serial No. 49,164, August 10, 1925. This application November 1, 1934, Serial No. 751,048

5 Claims. (Cl. 250—27.5)



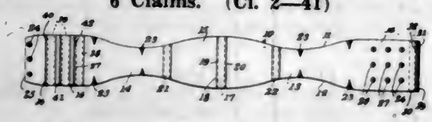
1. The method of preparing electrical discharge devices having metal parts inclosed within an envelope which consists in inductively heating said metal parts to remove the gases therefrom and later vaporizing a getter previously affixed to one of said metal parts in such a position as to be substantially without the field of inductive effect employed in previously heating the said metal parts whereby said metal parts may be first inductively heated and said getter may be later inductively vaporized by the effect of a subsequently applied inductive field displaced from the first said inductive field, removing the residual gas from said envelope and sealing said envelope.

2,185,833
MOWER
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application June 18, 1937, Serial No. 148,836
7 Claims. (Cl. 56—294)
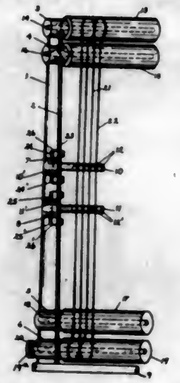


1. A rotary reel for a lawn mower comprising an axle, a plurality of spiral fly knives spaced about said axle with their respective cutting edges lying approximately in a geometric cylinder concentric with said axle and a plurality of spiders securing each of said fly knives in spaced relationship about said axle, each of said spiders being homogeneous throughout and intimately embracing said axle and a portion of the back and sides of each of said fly knives sufficiently to maintain said fly knives and said axle in operative position by friction.

2,185,834
SURGICAL BELT
Louis Creper, Brooklyn, N. Y.
Application December 5, 1938, Serial No. 244,016
6 Claims. (Cl. 2—41)



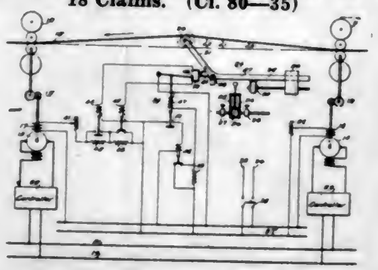
1. A protecting belt of the character described comprising an inelastic elongated body portion having completely separable ends, a slide-operated fastener element secured transversely at one of the ends, said element being of substantially the same length as that of said one end, a series of spaced parallel slide-operated fasteners each carrying a slide and secured to the body portion in longitudinally spaced relation to the other end of the body portion, said slide-operated fasteners comprising a variable securing means for said one end of the body portion, and an initial securing means for the other end comprising a separable fastener element secured to the body portion closely adjacent said other end and a series of cooperating fastener elements spaced apart the same distance as that between the slide-operated fasteners of the series, said separable fastener elements being secured to the body portion in longitudinally spaced relation to the first-mentioned slide-operated fastener element whereby the belt is secured to the body of the wearer by first engaging the row of separable fastener elements at said other end with a selected one of the cooperating fastener elements and then operating the slide of the corresponding slide-operated fasteners, a tape for each of said slide-operated fasteners, parallel spaced lines of stitching securing the tape to the body portion and thereby providing a rib-holding pocket between the tape and the body portion and a rib arranged in the pocket.

2,185,835
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application May 20, 1939, Serial No. 274,751
18 Claims. (Cl. 146—88)



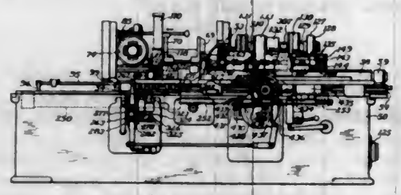
1. A bread slicing machine comprising a base with a supporting frame united thereto, upper and lower blade-carrying drums revolvably mounted in the frame spaced apart and extending transversely of the machine in parallel planes but having their axes inclined laterally in opposite directions at an acute angle to the transverse axis of the machine, intermediate upper and lower blade-deflecting drums revolvably mounted in the frame parallel to the outer upper and lower drums respectively and similarly inclined laterally, and a plurality of endless band-blades mounted upon the carrying drums and contacting the guiding drums intermediate the outer drums.

2,185,836
TENSION CONTROL SYSTEM
Charles P. Croco, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1935, Serial No. 8,781
18 Claims. (Cl. 80—35)



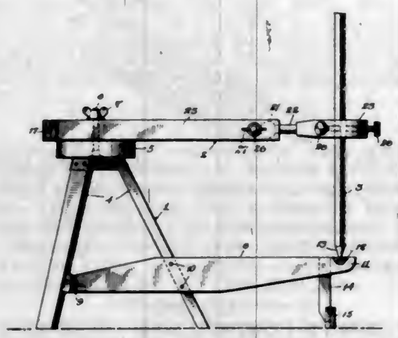
1. In combination, means adapted to produce translatory motion of a length of material, means disposed to be actuated into engagement with the material to subject it to a transverse force and deflect it to an angular position with respect to its normal path of travel, means for actuating said means whereby the material is subjected to a transverse force which is automatically varied in accordance with the degree of deflection of the material within predetermined limits to maintain a substantially constant tension on the material, and means controlled by the actuating means for controlling the means for producing translatory motion of the material to maintain a substantially constant angular deflection within said predetermined limits of deflection.

2,185,837
GRINDING MACHINE
George Crompton, Jr., Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 16, 1938, Serial No. 196,235
7 Claims. (Cl. 51—101)



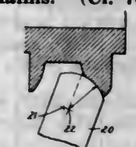
1. In a grinding machine, a carriage mounted on ways, a cross slide mounted on ways to move transverse to the motion of said carriage, a work holder, a grinding wheel head mounted on one of said parts, a spindle in said wheel head, a grinding wheel on said spindle, a dressing device positioned so that movement of the carriage causes relative movement between the dressing device and the grinding wheel, a pivotal mounting for the grinding wheel head perpendicular to the spindle, means to move the carriage for dressing, and means actuated by and in timed relation with said carriage movement automatically to shift the wheel head on the pivotal mounting whereby to grind a plurality of tapers for a given adjustment of the cross slide.

2,185,838
RANGE ROD HOLDER
William H. Duerr, Caldwell, N. J.
Application August 4, 1939, Serial No. 288,290
7 Claims. (Cl. 248—351)



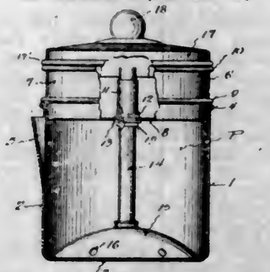
7. A range rod holder including a body, a range rod receiving head, means for clamping a range rod to said head, a ball-and-socket structure formed partly of said body and partly of said head, said ball-and-socket structure connecting said head with said body, and a clamping bolt for producing friction in said ball-and-socket structure to lock said head against accidental movement.

2,185,839
METHOD OF MAKING HOBS
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Original application June 30, 1930, Serial No. 464,856, now Patent No. 2,010,353, dated August 6, 1935. Divided and this application July 3, 1935, Serial No. 29,590
7 Claims. (Cl. 76—101)



1. The method of making a hob for generating ratchets or the like comprising threading and gashing a blank and relieving the teeth thereon, rotating said blank about its axis and feeding a form tool by a swinging movement in a predetermined plane including the axis of the hob into engagement with said teeth to cut a groove therein, said groove having a circular contour in any plane including the axis of the hob, the circular contour in said predetermined plane being eccentric to the axis of swinging.

2,185,840
COFFEE PERCOLATOR
Ray H. Fay, Manitowoc, Wis., assignor to Aluminum Goods Manufacturing Co., Manitowoc, Wis.
Application June 4, 1938, Serial No. 211,743
2 Claims. (Cl. 53—3)



1. A coffee percolator for use in the making of substantially one cup of coffee, including a relatively short cylindrical body open at its top and having its top edge rolled over to form a bead, said body having a part of its side wall struck-out to form a substantially V-shaped pouring spout, the top of which latter is disposed below the bead but in close proximity thereto, a ground coffee container of less height than that of the body provided with a perforated bottom and having a peripheral bead above its bottom, the lower portion of the container being receivable in the body and having its bead engageable with that of the body, a pump in the body having an upwardly extending tube, a sleeve receivable over the upper end of the tube and having its lower end extending through the container bottom and flanged outwardly to engage the latter on its under face, and further having a peripheral flange which engages the upper face of the container bottom, said tube having a peripheral flange which abuts the outwardly flanged lower end of the sleeve, and a cylindrical closure for the container having a bead spaced above its bottom, the container having a bead at its top engageable with the bead of the closure when the part of the

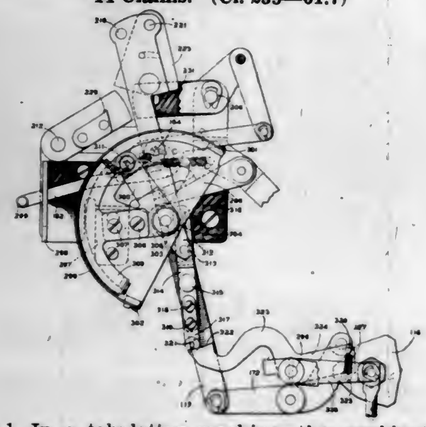
closure beneath its bead is inserted in the container, said body, the container, and the closure being each of substantially the same diameter, whereby the device as a whole is of generally continuous and uninterrupted cylindrical form throughout the entire length of the body of the device, and the overall length of the device being such so that same can be grasped in one hand of the user.

2,185,841

TABULATING MACHINE

John T. Ferry, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application December 24, 1936, Serial No. 117,552
11 Claims. (Cl. 235—61.7)



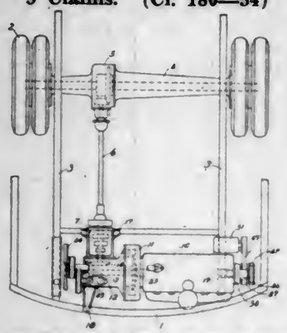
1. In a tabulating machine, the combination of mechanism for automatically stopping the machine including a control element adapted when operated to condition said stopping mechanism for operation, an actuating element movable to a plurality of actuating positions, means for actuating said element in any of its actuating positions, means operable by said actuating element in each of its plurality of positions for operating the above said control element, and means for rendering said last mentioned means alternatively effective or ineffective in any of the actuating positions of said actuating element at the will of the operator.

2,185,842

MOTOR VEHICLE

Howard A. Flogaus, Lansing, Mich., assignor to Reo Motor Car Company, a corporation of Michigan

Application September 20, 1937, Serial No. 164,631
5 Claims. (Cl. 180—54)



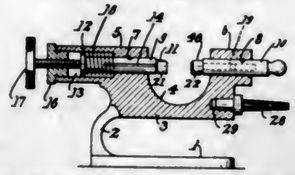
1. In a motor vehicle driving mechanism, an internal combustion engine having a crankshaft, a fly-wheel mounted on one end of said crankshaft, a clutch mechanism associated with said fly-wheel, a gear box including a power take-off mechanism, and an accessory drive pulley all positioned in serial arrangement in the order named, a hollow shaft extending from the clutch mechanism into the gear box and connecting the driven clutch element to the power take-off mechanism, a second shaft extending through said hollow shaft and connecting the engine crankshaft with said accessory drive pulley, and a change speed mechanism connected to said power take-off and extending longitudinally in angular relation to said shafts.

2,185,843

WATCHMAKER'S POISING TOOL

Warren F. Fraser, Westboro, Mass.

Application December 23, 1937, Serial No. 181,390
8 Claims. (Cl. 73—51)



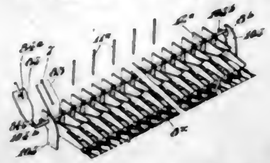
1. In a balance assembly poising tool having a base member, a body member having arcuate means to support the ends of a balance assembly, resilient means forming the sole connection between said members, and means attached to said body member whereby relative vibration in a vertical plane may be set up between said members.

2,185,844

METHOD AND MEANS FOR PRODUCING KNITTED ELASTIC FABRICS

Gustav Gastrich, Wyomissing, and Herbert Erich Haehnel, West Reading, Pa., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application April 8, 1937, Serial No. 135,664
35 Claims. (Cl. 66—83)



33. In a method of operating a flat knitting machine having a needle bar and hooks lying outside of the ends of said bar, the step of laying two yarns at substantially the same time and one of them between said hooks so as to be held therebetween.

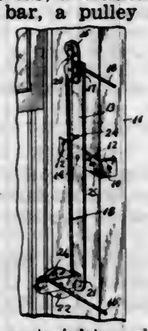
2,185,845

SAFETY CLOTHES AND WASH LINE

Guiseppe Grandone, New York, N. Y.

Application May 15, 1939, Serial No. 273,631
8 Claims. (Cl. 211—119.06)

1. A safety clothes line, comprising a bracket for attachment on a window frame, a bar pivotally mounted on said bracket to be disposed outside of said window in its vertical position and in its horizontal positions to have its bottom end extended through said window, a pair of closely spaced pulleys mounted in the top of said bar in a plane parallel to the plane of pivoting of said bar to guide a length of clothes line outwards of said window in the vertical and horizontal positions of said bar, a bracket mounted on the bottom of said bar, a pulley mounted on said



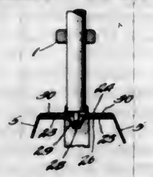
bracket in a plane at right angles to the plane of pivoting of said bar to guide said length of clothes line outwards of said window in the horizontal position of said bar, and said bracket having an edge portion to bend said length of said clothes line in a vertical position of the bar.

2,185,846

BEATER AND MIXER

Edward Richard Hacmac, Hollywood, Calif., assignor to Na-Mac Products Company, a corporation of California

Application November 2, 1938, Serial No. 238,454
1 Claim. (Cl. 259—131)



In a device of the type disclosed having a frame and operating mechanism thereon, a driven shaft having a stop member at its lower end, a set of disks, complementary depressions in said disks forming wells, beating and mixing elements extending into said wells, the lower disk having a seat for receiving the stop member, and means for fastening the disks and elements together to lock them to the shaft and form a unitary structure therewith for the purpose set forth.

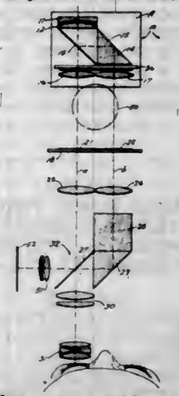
2,185,847

PHOTOGRAPHIC APPARATUS AND METHOD

William H. Harrison, and Edward C. Harrison, Los Angeles, Calif.; Dolly V. Harrison, owner of the entire right of said Edward C. Harrison, deceased, by decree of court, assignors, by mense assignments, to Dunningcolor Corporation, Los Angeles, Calif., a corporation of California

Application April 13, 1936, Serial No. 74,032
7 Claims. (Cl. 95—2)

4. A camera of the character described which includes: compensating lens means; means for dividing the light emerging from said lens means into two component beams of the same field; objective lens means in said beam paths; a diffusing screen removably disposed in the same plane as a film when the latter is in exposure position; lens means in said component beam paths for focusing on said screen; means behind said screen for recombining said component beams after they pass through said screen, said means including a semi-reflective, semi-transparent surface, a reflective surface, and a movable plate adapted to be adjusted to effect exact recombination of said beams on said semi-reflective surface; and means for viewing said recombined beams.

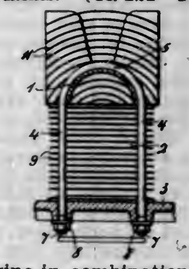


2,185,848

ENGINE CYLINDER MOUNTING

Hellmuth Hirth, Stuttgart, Germany, assignor to Hirth-Motoren G. m. b. H., Stuttgart-Zuffenhausen, Germany

Application June 22, 1937, Serial No. 149,640
In Germany June 23, 1936
3 Claims. (Cl. 121—194)



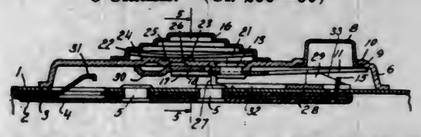
1. In an engine in combination, a crank case, a cylinder mounted on and supported by said crank case, a cylinder head on said cylinder provided with a seating portion, a U-shaped screw bolt having a curved portion embracing said seating portion and downwardly depending leg portions extending through the wall of and into said crank case and nuts on the ends of said screw bolt arranged to press said head down on said cylinder and said cylinder on said crank case.

2,185,849

SWITCH

Frederick L. Humeston, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

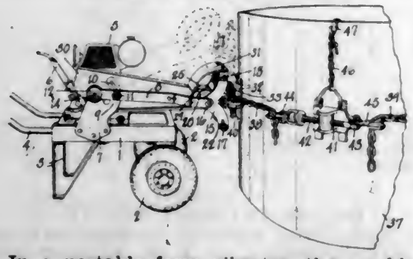
Application February 28, 1936, Serial No. 66,153
6 Claims. (Cl. 200—60)



1. A hand lamp switch comprising a conductor member mounted on the casing of a hand lamp, a switch box mounted on the casing, a pair of spaced contacts carried by said conducting member and projecting into said switch box, a de-

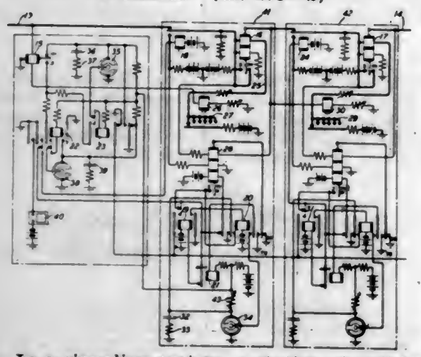
pressible contact carried by said switch box and adapted to engage one of said spaced contacts, a sliding contact carried by said switch box and adapted to engage the second spaced contact, and means carried by said sliding contact and movable thereby to a position for obstructing movement of the depressible contact toward said fixed contact and thereby positively securing said depressible contact against operation.

2,185,850
PORTABLE FORM VIBRATOR
Corwill Jackson, Ludington, Mich.
Application December 29, 1937, Serial No. 182,263
5 Claims. (Cl. 259—1)



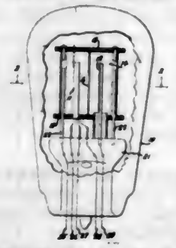
1. In a portable form vibrator, the combination with a carriage provided with wheels at its front end and with legs at its rear end and with handles whereby it may be manipulated on said wheels, of a motor on said carriage, supporting uprights at the sides of said motor, arms mounted on said uprights for pivotal vertically swinging adjustment, means for supporting said arms in their adjusted position on said uprights, a bracket mounted on the outer ends of said arms for vertical pivotal adjustment, said bracket having vertically spaced cross pieces, a vibratory member having an unbalanced rotor thereon disposed with its axis horizontally, flexible supporting means for said vibratory member extending between said cross pieces, abutment plates pivotally mounted on said vibratory member, and a flexible driving connection for said motor to said rotor.

2,185,851
SIGNALING SYSTEM
Fullerton S. Kinkead, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,822
9 Claims. (Cl. 178—2)



1. In a signaling system, a station circuit having incoming and outgoing terminals normally connected for through transmission, receiving apparatus connected to said incoming terminal, transmitting apparatus associated with said outgoing terminal, a relay for opening said normal connection between said terminals and a locking circuit therefor responsive to signals from said transmitting apparatus, and a timing arrangement including a trigger tube for opening said locking circuit and releasing said relay.

2,185,852
DISCHARGE DEVICE
Martin Klopfrogge, Berlin-Zehlendorf, Germany, assignor to General Electric Company, a corporation of New York
Application June 5, 1939, Serial No. 277,497
In Germany April 19, 1938
4 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising an envelope containing an ionizable medium and provided with a reentrant stem press at one end thereof, an elongated anode and cathode arranged in substantial parallelism within said envelope and extending in substantially the same direction as the said stem press, a grid structure forming a pair of elongated chambers which are positioned in side-by-side relation and which respectively enclose the anode and cathode, said chambers being in communication with one another only through a relatively narrow opening defined by a portion of said grid structure, and a plurality of lead-in conductors extending through said stem press and respectively connecting with said anode, cathode and grid structure.

2,185,853
INTERCHANGEABLE IDENTIFICATION PULL DEVICE FOR SLIDE FASTENERS
George D. Knoess, New York, N. Y.
Application September 13, 1938, Serial No. 229,671
4 Claims. (Cl. 24—205)

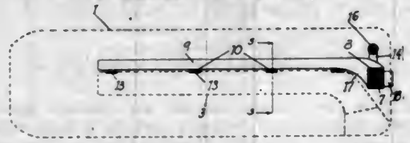


4. In a slider having upper and lower faces for fasteners of the type described, an upstanding eyelet-forming member secured to one of said faces, a pull tab and a hook element on one side of said pull tab for removable engagement with said eyelet-forming member, said hook element being formed of resilient material and having a belly-forming portion providing relative pivotal movement between said pull tab and said eyelet-forming member, a throat-forming portion, and an end portion at least a part of which is curved away from the main surface of the pull tab for limiting the pivoting of said pull tab relative to said slider in one direction.

2,185,854
PRODUCTION OF BENZYLIDENE-ANILINE COMPOUNDS
Frederick H. Kranz, Buffalo, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 1, 1938, Serial No. 193,263
15 Claims. (Cl. 260—566)

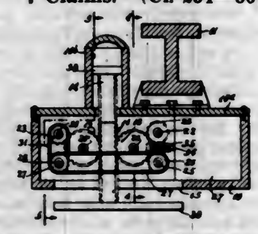
1. In the reaction of formaldehyde with a para-N-alkyl-amino-nitroso-benzene compound and an N-alkyl-amino-benzene compound free from para-substituents to form the corresponding benzylidene-aniline, the improvement which comprises adding at least the nitroso-compound and formaldehyde at a temperature below reaction temperature to the hot reaction zone wherein reaction of the three reactants is effected.

2,185,855
CAR HEATER
Walter A. Kysor, Cadillac, Mich.
Application August 17, 1938, Serial No. 225,255
3 Claims. (Cl. 98—2)



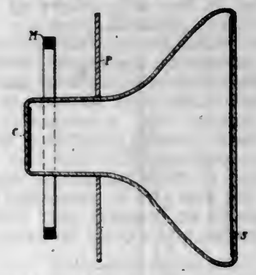
1. In a heating system for a coach having a central depressed aisle extending longitudinally thereof, air heating means disposed adjacent the front end of the coach and adapted to forcibly direct air heated thereby upwardly, and means for promoting a circulation of the heated air rearwardly from the heating means, thence downwardly to said aisle and forwardly to the heating means, comprising a return duct disposed beneath the floor of the coach at one side of the said aisle and closely adjacent a side wall thereof and having a plurality of branch intake ducts communicating therewith, said branch ducts opening to said depressed aisle through said side wall thereof, and a further duct opening through the floor of the coach adjacent the driver's seat and communicating with said return duct, said return duct feeding air to the heating means for reheating and recirculation.

2,185,856
JACK FOR MOTOR VEHICLES
Ottavio Lanzarone, New York, N. Y.
Application January 11, 1939, Serial No. 250,380
7 Claims. (Cl. 254—86)



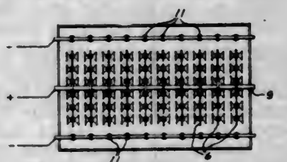
4. A jack for motor vehicles, comprising a housing for attachment on a bottom portion of a motor vehicle, a vertical arm slidably extending from the bottom of said housing, rack teeth on opposite sides of said arm, gears meshing with said rack teeth, a transmission system from the gears on one side of said arm to a worm wheel, another transmission system from the gears on the other side of said arm to another worm wheel for operating at the same ratio as said first-mentioned transmission system, a pinion meshing with said worm wheels, an electric motor for driving said pinion, and an electric circuit for controlling said motor to rotate in one direction or the other, said electric motor being mounted within said housing.

2,185,857
ELECTRO-OPTICAL IMAGE DEVICE
Hans Gerhard Lubszynski, Hillingdon, and Harold Miller, Norwood Green, Southall, England, assignors to Electrical & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 4, 1938, Serial No. 193,856
In Great Britain March 10, 1937
4 Claims. (Cl. 250—153)



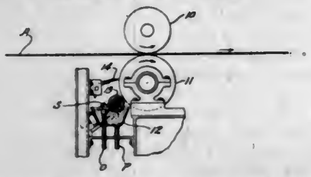
1. In an electron device comprising a photoelectric cathode of predetermined diameter, an electron utilizing target in register with said cathode, a magnetic coil having a diameter at least twice the predetermined diameter of said cathode, said coil being positioned symmetrical with and intermediate the cathode and target, and a planar magnetic shield adapted to be moved parallel to the plane within which the coil lies for controlling the focusing and twist of electrons emanating from the cathode and passing through the coil.

2,185,858
METHOD OF REMOVING GOLD, SILVER, PALLADIUM, OR THE LIKE
Sumner R. Mason, Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,693
3 Claims. (Cl. 204—1)



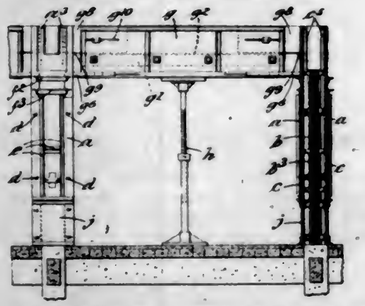
1. A method of removing gold coating from a copper composition base, which comprises anodically electrolyzing the coated base in an aqueous solution having sufficient sulphuric acid to produce a solution having a specific gravity of 1.65, thereby precipitating the coating metal.

2,185,859
METHOD OF COATING PAPER
Peter Jay Massey, River Forest, Ill.
Application November 14, 1938, Serial No. 240,211
7 Claims. (Cl. 91—68)



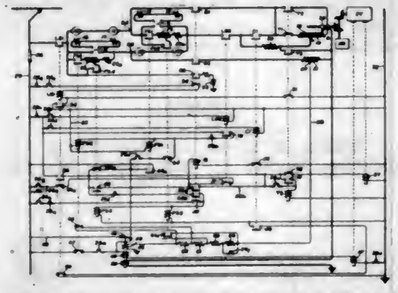
1. The herein described method of producing paper suitable for printing which comprises advancing a wet web of paper, force flowing a controlled excess of a liquid suspension of surfacing material comprising a pigment and an adhesive onto a rotating film forming transfer surface susceptible of being wet thereby and dimensionally pitted for substantially uniform volumetric measurement and for free flowing of the suspension from pit to pit about the periphery of said surface, varying the consistency of the suspension to control the weight of the surfacing finally incorporated in the web, doctoring away the excess of surfacing material, forming a continuous film of predetermined uniform average thickness on said surface by the mutual action of the molecular forces of said suspension and said surface, bringing a surface of the web as it is advanced into contact with a surface of said film after it has been formed, subjecting the portion of the web in contact with the film to rolling contact pressure to cause the film to enmesh with the fibers of the web and be smoothed and compacted and made an integral part thereof as it is applied thereto, and drying the web.

2,185,860
SHUTTERING DEVICE FOR THE BUILDING OF FERROCONCRETE STRUCTURES
Malcolm McAlpine, London, England
Application December 29, 1936, Serial No. 118,098
In Great Britain December 30, 1935
5 Claims. (Cl. 25—131)



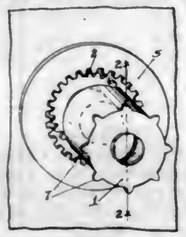
1. An adjustable shuttering device for use in the building of ferroconcrete structures, comprising two elongated plates disposed facing each other in parallel planes, at least one transverse element associated with said plates, said transverse element including a transverse plate disposed at right angles to said elongated plates and two angle members, serving respectively to connect said elongated plates to said transverse plate, each of said angle members having one web lying on the inner face of one of said elongated plates adjacent one side edge of the latter with its free edge directed outwardly and the other web directed transversely towards the corresponding web of the second angle member disposed on the other plate, means adjustably securing said angle members to said elongated plates, and projections on the outwardly facing sides of the transversely directed angle member webs, said projections engaging in a selection of a plurality of recesses transversely spaced apart in said transverse plate and so positioned that all are covered by said last mentioned webs when the shuttering is adjusted to its maximum transverse dimension.

2,185,861
CONTROL SYSTEM
Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 30, 1938, Serial No. 248,495
19 Claims. (Cl. 172—179)



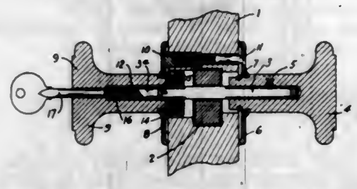
1. In a control system for an electric vehicle, the combination of a motor having a field winding, a resistor, means for connecting said resistor across said motor with at least substantially full excitation of said field winding, and means responsive to the current in said resistor for adjusting the amount of said resistor connected across said motor until a predetermined current is obtained in said resistor and for controlling the excitation of said field winding.

2,185,862
FILM FEEDING MECHANISM
Arthur G. Mestler, Rochester, N. Y.
Application October 8, 1938, Serial No. 234,031
5 Claims. (Cl. 88—18.2)



2. In an intermittent feeding mechanism, the combination of a drive shaft, a crank on one end of said drive shaft, a fixed internal gear concentrically surrounding said drive shaft, a crank pin on said drive shaft, a pinion gear mounted on said crank pin for movement thereby in mesh with said internal gear, a film sprocket rotatably carried by said pinion gear concentric thereto and means for holding a film in driving contact with said film sprocket during its rotary movement with said pinion gear and eccentric motion by said crank pin.

2,185,863
KNOB AND SPINDLE MECHANISM FOR DOOR LATCHES
Julius Miller, Brooklyn, N. Y.
Application July 7, 1938, Serial No. 217,862
1 Claim. (Cl. 70—149)



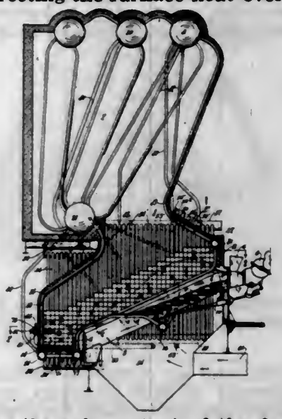
In a door latch having an automatically projected latch bolt and rockable means for retracting the same, an actuating spindle in slidable engagement with said retracting means and operative to actuate the same in all positions of the spindle, a knob secured to the spindle at one end thereof for manually rocking and sliding the spindle, a washer secured to said spindle for limiting the sliding movement of the spindle in opposite directions, a second knob mounted for free rotation in alignment with the opposite end of the spindle and provided with an opening for the reception of a portion of the spindle, said opening and spindle portion being of cooperating form in cross-section whereby when the spindle is slid in one direction it will be operatively engaged by said knob and when slid in the opposite direction the knob will be free to rotate without effect on the spindle, a door plate having an opening in which a shank portion of said first knob is mounted for rotation and sliding movement, said shank portion having a circumferential groove therein, and a split ring of resilient material mounted in said groove and presenting flexible resistance to sliding movement of the shank portion of the knob in said door plate.

2,185,864
STABLE UREA-CHLORINE COMPOUND AND PROCESS FOR MAKING SAME
Irving E. Muskat, Akron, and Fred C. Trager, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 28, 1937, Serial No. 171,516
7 Claims. (Cl. 260—553)

1. A method of preparing a compound of high active chlorine content comprising evaporating a mixture of urea and hydrochloric acid to substantial dryness and chlorinating the resultant product.

2,185,865
STOKER FURNACE
Charles L. Myers, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 3, 1936, Serial No. 83,281
3 Claims. (Cl. 110—44)

1. In a furnace, the combination with an inclined grate underfeed stoker, consisting of alternately disposed retorts and tuyère rows, of means for feeding fuel to and along said stoker, an overfeed section disposed at the lower end of said stoker, a slag pit adjacent said overfeed section, an arch provided over the upper portion of said stoker, having a series of nozzles provided therein for directing a combustion supporting gas over said fuel bed toward said slag pit, and a second arch for directing the furnace heat over said slag



pit whereby the ash content of the fuel is converted into liquid form.

2,185,866
DISPLAY DEVICE
Richard Eaton Paige, Flushing, N. Y.
Application April 21, 1938, Serial No. 203,413
9 Claims. (Cl. 40—126)

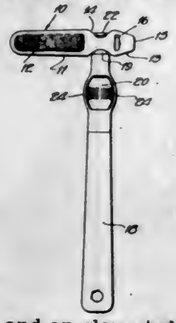


9. A display device comprising a back member and a display element adapted to be secured together with the display element superimposed upon the back member, the back member comprising a flat blank having a plurality of slots or openings therein, the display element comprising a normally arcuate shaped blank of material, a crease or score line extending longitudinally through the blank upon which the blank may be flexed to bring its free ends together in overlapping relation to throw the blank into angular cross-sectional form presenting angularly related panels, and tabs extending from the side edges of said panels adjacent each end thereof for engagement with the slots or openings of the back member to retain the ends of the display element in overlapped relation and attach the display element to the back member.

2,185,867
TOOTH BRUSH HEAD
Irving Pensky, Brooklyn, N. Y.
Application August 18, 1938, Serial No. 225,561
1 Claim. (Cl. 306—6)

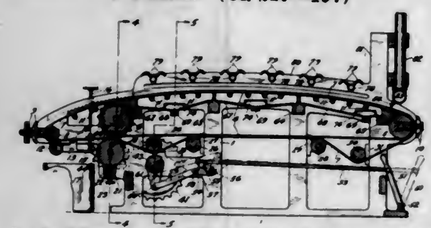
A brush head of the type described comprising a relatively thin body portion, a relatively short

extension projecting from one end thereof and terminating in a flat rectangular end face having a definite upper outer edge, a contracted neck portion separating said extension from the main



body portion, and an elongated opening extending transversely of said relatively short extension between the contracted neck portion and the free end of the extension.

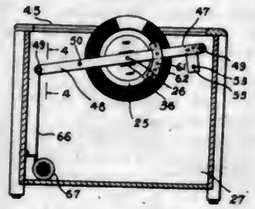
2,185,868
FILTERING MACHINE
Curt C. Schaefer, Cedar Rapids, Iowa
Application December 15, 1937, Serial No. 179,931
3 Claims. (Cl. 210—197)



1. A filter for washing starch, comprising a pair of frame members, cross-members extending transversely of the machine and connecting said frame members, said cross-members having their upper edges rabbeted for the reception of opposite edges of suction pans, a series of suction pans between said frame members having opposite edges received in the rabbets of the cross-members, said pans being in coterminous arrangement, a plurality of rollers in each of said pans, said rollers extending transversely to the length of said series of pans, an endless filter belt arranged to have one run thereof extend along the length of said series of pans and their contained rollers, a plurality of supporting and driving rollers within the belt and removed outwardly from the ends of said series whereby to move the belt longitudinally along the series of pans, means to place a starch suspension on the belt at one end of the series of pans, and means above the belt along said series to run water onto the starch.

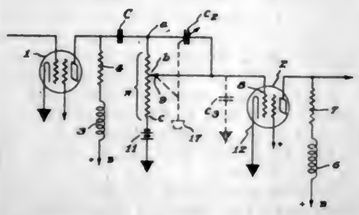
2,185,869
CARD FILING DEVICE
William Harvey Seeley, Toronto, Ontario, Canada
Application August 31, 1936, Serial No. 98,728
In Canada March 10, 1936
2 Claims. (Cl. 45—3)

1. In a filing device of the character described, a portable cabinet, a frame pivotally mounted in said cabinet, a transverse shaft secured to said frame, a rotary member mounted on said shaft and having a substantially circular channel adapted to receive a plurality of cards, means for moving said frame about its pivot and thereby



raising and lowering said rotary member and means for locking said frame at the required elevation.

2,185,870
VOLUME CONTROL DEVICE
John P. Smith, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1937, Serial No. 151,115
3 Claims. (Cl. 179—171)

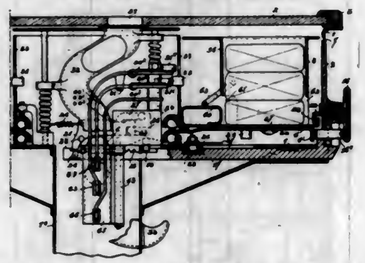


1. A volume control device for supplying an electric discharge tube having input electrodes and a certain input capacity, said device comprising a resistor across which a signal is impressed, an adjustable contact point on said resistor, means for connecting across said input electrodes the portion of said resistor between said contact point and one end of said resistor, and a variable capacitor connected across the remaining portion of said resistor, said variable capacitor and said adjustable contact point being so mechanically connected that the capacity of said variable capacitor is increased in response to an increase in the resistance in the first-mentioned portion of said resistor, the ratio of said first-mentioned portion to said remaining portion being substantially equal to the ratio of the reactance of said input capacity to the reactance of said variable capacitor.

2,185,871
DYESTUFF PASTES OF DYESTUFFS OF THE DIBENZANTHRONE CLASS AND PROCESS FOR PREPARING THEM
Otto Stallmann, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 20, 1939, Serial No. 251,963
10 Claims. (Cl. 260—355)

1. The process for preparing microcrystalline dye pastes and powders of the alkylation derivatives of Bz - 2,Bz - 2' - dihydroxydibenzanthrone which comprises converting a compound of the class consisting of the normal leuco compound of the color and its alkali metal salt to a stable reduction derivative by heating in solution or suspension at a temperature of from 55 to 100° C. while maintaining the alkalinity of the suspension or solution at a pH of from 9 to 12 and reoxidizing the precipitated stable reduction derivative to the parent ketonic form.

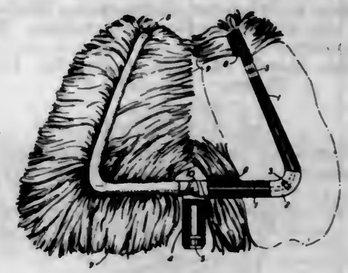
2,185,872
AUTOMATIC SALES APPARATUS
René Stra, Brussels, Belgium
Application October 23, 1936, Serial No. 107,140
In Belgium October 23, 1935
5 Claims. (Cl. 194—71)



1. In an automatic vending machine, a stationary casing, a rotatable magazine in said casing, said magazine consisting of a plurality of radially disposed receptacles for various articles having different prices, respectively, a discharge opening in said casing, a door for said opening, means projecting to the outside of said casing for rotating said magazine whereby any of said receptacles can be positioned in front of said discharge opening, locking means for said door including a movable member connected with said door and adapted to be actuated from the outside of said casing and a latch element resiliently engaging said movable member and free to be displaced therewith a short distance at the beginning of the latter's movement, and a coin controlled mechanism for releasing said locking means, said mechanism comprising a coin duct, a plurality of movable stops associated with the coin duct and spaced longitudinally thereof, each of said stops corresponding to one of said different prices and being adapted when in one position to support in said duct a number of edgewise disposed coins representing said corresponding price with the rim of the uppermost coin projecting into the path of said latch element and forming a cam surface causing disengagement of the latch element from the movable member when the latter is actuated and when in another position to permit passage of coins through the duct, means to move said movable stops, and means associated with the individual receptacles, respectively, and constructed and arranged to actuate the movable means to position the stop means corresponding to the price of the selected article as active coin support in said coin duct when the receptacle containing the selected article has been brought in front of the discharge opening.

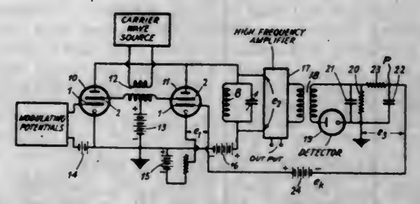
2,185,873
DUST MOP
Joseph A. Underhill, New York, N. Y.
Application April 27, 1938, Serial No. 204,659
3 Claims. (Cl. 15—147)

3. A mop for use with a detachable cleansing member, said mop having a handle and being characterized in this that it includes a supporting member having two integrally formed arms projecting therefrom for directly supporting a cleansing member, and a hollow handle receiving member formed integrally at the mid-point of the supporting member and projecting rearwardly therefrom for receiving one end of said handle, said supporting member and its integral



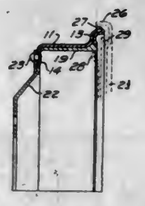
arms and said integral handle receiving member having all their external surfaces composed solely of rubber.

2,185,874
ARRANGEMENT FOR AMPLITUDE MODULATION
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 12, 1936, Serial No. 95,519
In Germany August 12, 1935
12 Claims. (Cl. 178—7.1)



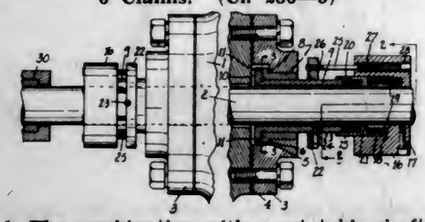
4. A stabilized balanced bridge modulator comprising means for producing energy in accordance with fortuitous unbalancing of the bridge, and means for balancing the bridge with the produced energy.

2,185,875
BRAKE DRUM
Andrew S. Van Halteren, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Original application July 25, 1935, Serial No. 33,081, now Patent No. 2,112,697, dated March 29, 1938. Divided and this application November 18, 1937, Serial No. 175,212
4 Claims. (Cl. 188—218)



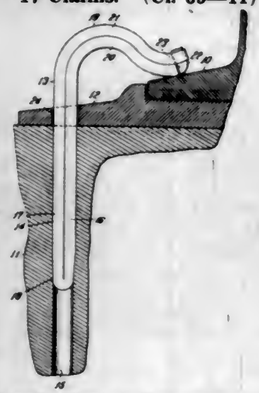
1. A brake drum comprising a cylindrical shell having an external rib hollow at its base and closed at its radially outer extremity, and a metal liner secured to the inner surface of the shell and extending into the base of the rib, the radially outer extremity of the rib being flanged to form an axially extending sealing element.

2,185,876
SHAFT PACKING
Christopher E. Wiessner, Kalamazoo, Mich., assignor to Durametallic Corporation, Kalamazoo, Mich.
Application March 14, 1938, Serial No. 195,858
6 Claims. (Cl. 286—5)



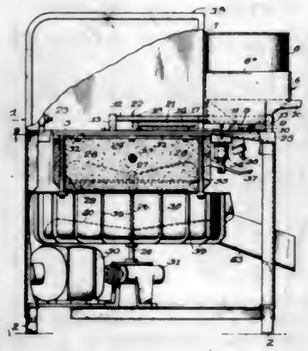
1. The combination with a rotatable shaft, of a closure member through which said shaft projects, a rotatable sleeve-like sealing member on said shaft rotatable within said closure member and provided with an annular sealing element at its inner end in rotatable sealing engagement with a coacting sealing element on said closure member, a collar secured to said shaft and having an inwardly facing packing chamber surrounding said shaft and receiving the outer end of said sealing member, packing material arranged in said chamber, the end of said sealing member disposed within said collar constituting a thrust member for said packing material, a draw member mounted on said sealing member, threaded adjusting means carried by said collar and having threaded engagement with said draw member, and spring means arranged to coact with said adjusting means for applying yielding thrust to said sealing member.

2,185,877
RESILIENT RAILWAY SPIKE
Harold G. Warr, Park Ridge, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware
Application June 13, 1938, Serial No. 213,317
17 Claims. (Cl. 85—11)



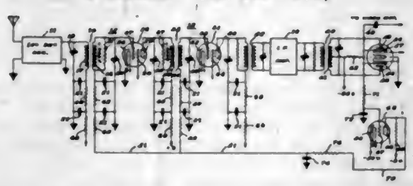
1. A rail spike for resiliently clamping a railroad rail to an underlying supporting structure, comprising a shank portion adapted to be driven into said supporting structure, an arm united with the shank for exerting elastic clamping pressure on the rail base comprising a pair of resilient leaves of greater width than thickness arranged flatwise with respect to the base of the rail, and means for holding said leaves from relative lateral movement in one direction comprising a portion of one leaf positioned to abut laterally against a portion of an adjacent leaf.

2,185,878
METHOD OF ROASTING COFFEE AND APPARATUS THEREFOR
Donald W. Adams and Richard L. Schuhmann, Louisville, Ky., assignors, by mesne assignments, to Coffee Electrost Corporation, a corporation of Delaware
Application May 26, 1936, Serial No. 81,890
20 Claims. (Cl. 34—23)



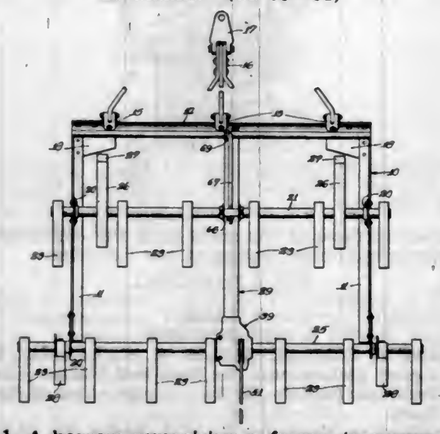
14. In combination in a coffee roaster, a roasting chamber having a charging port, a carriage movable over and away from said port, a filled green coffee container removably inserted in the carriage to move therewith to and from position over the port, and a cutter on the roaster to cut open a part of the bottom of the container during its movement to position over the port whereby to discharge the green coffee beans within the container into the roasting chamber.

2,185,879
HIGH FREQUENCY AMPLIFIER
Horace Clifford Allen, Marlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1936, Serial No. 98,453
8 Claims. (Cl. 179—171)



1. In combination, a plurality of amplifier stages connected in cascade, each of said stages comprising an electric discharge tube having input electrodes and comprising a transformer, said transformer having a primary and a secondary, said secondary being coupled across said input electrode, said primary and said secondary each being tuned and coupled to produce a band pass selectivity characteristic, means for resistively loading the transformer in one of said stages with the primary loaded more than the secondary, means for resistively loading the transformer in another of said stages with the secondary loaded more than the primary, and means for varying the gain of the tubes in said stages, the values of said resistive loadings being such that the overall selectivity characteristic of said amplifier stages remains substantially flat-topped during changes in the gain of said tubes.

2,185,880
HARROW
Rudolph J. Altgelt and Cameron H. Gemberling, South Bend, Ind., assignors, to Oliver Farm Equipment Company, a corporation of Delaware
Application June 3, 1937, Serial No. 146,162
12 Claims. (Cl. 55—34)



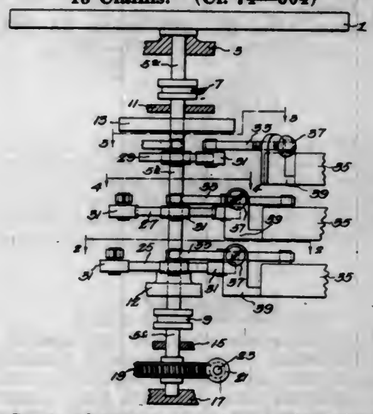
1. A harrow comprising a frame, transversely arranged and longitudinally spaced apart shafts journaled on said frame, cultivating teeth secured to said shafts, and gearing means extending longitudinally of and located inwardly of the ends of said shafts for operatively connecting and revolving said shafts in unison, means associated with one of said shafts for varying the tension on said gearing means, said gearing means positioned out of engagement with the ground in all positions of adjustment of said harrow.

2,185,881
APPARATUS FOR FORMING A HEDGE SHEAR BLADE
William E. Barnhart, Perth Amboy, N. J., assignor, by mesne assignments, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application October 14, 1937, Serial No. 168,897
4 Claims. (Cl. 164—34)



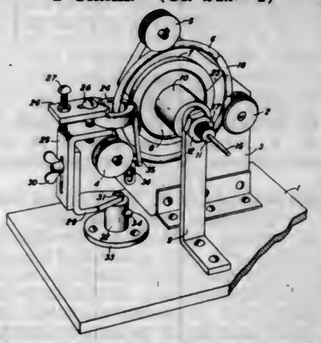
3. Apparatus for forming hedge shear blades and the like, comprising a die having a generally rectangular recess therein, a punch element generally rectangular in cross section mounted to slideably reciprocate in said perforation, a cutter blade disposed above the perforation on the die and formed to have a longitudinal edge thereof align with a longitudinal edge of the recess, a work rest element above the cutter blade having an upwardly inclined face engaging the cutter blade along a line parallel to said longitudinal edge and slightly spaced therefrom, a clamp element having a face disposed parallel to the inclined face of the work rest element whereby a shear blade blank may be disposed between said faces with an edge portion of the blank resting on the cutter blade, the clamp element being formed to provide a continuation for one longitudinal wall of the recess to guide the punch element thereinto, and a punch backing element forming a continuation of the opposite longitudinal wall of the recess to guidingly support the punch element during the punching operation.

2,185,882
PHONOGRAPH
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1936, Serial No. 98,445
15 Claims. (Cl. 74—604)



10. In a phonograph, the combination of a rotatable input member having periodic variations in speed, an output member, flexible means coupling said output member to said input member, and means for applying periodic variations of torque to said output member whereby said output member is caused to oscillate with respect to said input member at the frequency of said periodic variations to effect uniform rotation of said output member while permitting said input member to rotate with said periodic variations.

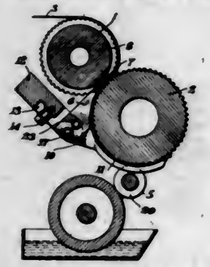
2,185,883
STRAND WINDING MACHINE
Frederick C. Berger, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 19, 1939, Serial No. 251,749
1 Claim. (Cl. 242—4)



A winding machine for winding strand material around closed cores comprising a hollow ring, strand material stored in said hollow ring, said ring having a hole through which said strand material may be withdrawn, means to rotate said

ring and means to maintain tension in said strand as it is being wound on said core, said tension means comprising a fixed plate in the area enclosed by the ring and a second plate resiliently pressed against said fixed plate between which plates said strand is drawn.

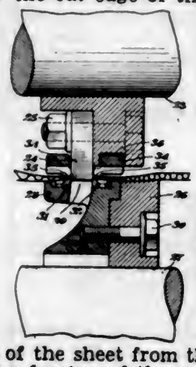
2,185,884
GUIDE CONSTRUCTION FOR CORRUGATING MACHINES
Hobart W. Bruker and Charles S. Thorn, Bordentown, N. J., assignors to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application June 18, 1938, Serial No. 215,836
4 Claims. (Cl. 154—30)



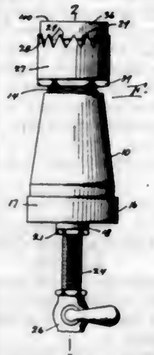
1. A guide construction for corrugating machines including a corrugating roll, a main supporting member, an auxiliary supporting member, means interengaging between said supporting members mounting said auxiliary supporting member for linear movement toward and from said corrugating roll, a guide member extending from said auxiliary supporting member and having an arcuate guiding surface adjacent said corrugating roll, a releasable clamping device normally exerting pressure on the guide member and the auxiliary supporting member to hold them both in fixed relation to the main supporting member, a second clamping device acting between said auxiliary supporting member and guide member but free of the main supporting member, said clamping devices being constructed and arranged to afford linear adjustment of the auxiliary supporting member and guide member toward and from the corrugating roll when the first mentioned clamping device is released and the second mentioned clamping device is in clamping position, and to afford rocking adjustment of the guide member with respect to the auxiliary supporting member and corrugating roll when both of said clamping devices are released.

2,185,885
CUTTING MECHANISM
Hobart W. Bruker and Harry F. Black, Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey
Application September 13, 1938, Serial No. 229,663
7 Claims. (Cl. 164—60)

7. Sheet cutting mechanism of the class described including a rotary slotting blade, spaced rotary die members positioned to receive said rotary blade therebetween, said rotary die members having sheet engaging surfaces oppositely inclined, and stationary pressure members disposed on opposite sides of said rotary slotting blade, said pressure members being constructed and arranged to press a sheet to be cut against said die members to bow outwardly the adjacent surface of the sheet through which the cutter first penetrates, in the zone of operation of the cutter, to clear the cut edge of the above mentioned surfaces of the sheet from the cutter and thereby minimize fraying of the cut edge.



2,185,886
GAS BURNER
Henry C. Caldwell, Buffalo, N. Y., assignor, by mesne assignments, to Hendwell Burner Corporation, Buffalo, N. Y., a corporation of New York
Application November 6, 1935, Serial No. 48,537
2 Claims. (Cl. 158—99)



1. A gas burner comprising a single-chambered, protective body, said body being open at its lower end and having an open mouth, said body having a smooth, continuous, inner wall for the unobstructed passage of the gas and air, a gas outlet pipe having an orifice centrally arranged in cooperative relation with the lower end of the body, a spreader arranged in cooperative, spaced relation with the upper end of the body, said spreader being so shaped and proportioned that all of the parts thereof are located above and outside of the body, and adjustable means located at the outlet of the burner body for regulating the amount of air entering the lower end of the burner body and passing through the outlet.

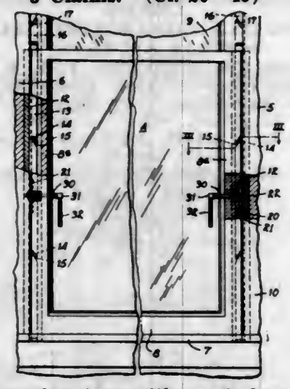
2,185,887
SANITARY FIXTURE
Helen R. Dennis, Chicago, Ill.
Application February 16, 1938, Serial No. 190,715
4 Claims. (Cl. 4—98)

1. A sanitary fixture comprising an open, substantially flat top bowl of relatively narrow, elongated configuration adapted to be supported in position permitting the same to be straddled without appreciable squatting and without contacting the bowl, the upper edge of the bowl at its forward portion extending upwardly and rearwardly over the open top of the bowl and being of sufficient vertical and horizontal dimension to



provide a guard for receiving liquid excrement sprayed forwardly at a level above the top of the bowl and for collecting and directing the same into the bowl.

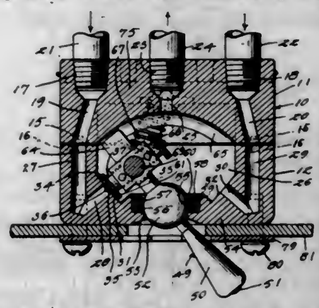
2,185,888
WINDOW SASH
Ellis E. Donahoe, Dormont, Pa., assignor to The Don-Economy Window Company, Pittsburgh, Pa., a partnership composed of Ellis E. Donahoe, Benjamin M. Clasky, Thomas H. McGregor, and Charles A. Roland
Application March 28, 1939, Serial No. 264,539
3 Claims. (Cl. 20—49)



1. The combination with a window frame, of a sash structure comprising sash strips slidably supported on the frame and each having a longitudinally-extending groove in its inner surface, a sash member disposed between said strips and having grooves that are normally opposite to the grooves in said strips, means for movably supporting the sash member on said strips, a locking strip supported in each groove of said sash member and movable laterally so that its inner edge will extend into the groove of the adjacent sash strip, the locking strips being of greater length than the sash member, and guide means for effecting movement of the locking strips laterally into the grooves in the sash strips when the sash member is moved into engagement with one end of the said frame and for effecting lateral movement thereof out of the last-named grooves when the sash member is moved into engagement with the other end of the said frame.

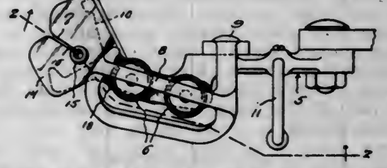
2,185,889
STATIC PRESSURE VALVE
George T. Downey, Corry, Pa., assignor to Aero Supply Manufacturing Co., Inc., Corry, Pa.
Application June 7, 1939, Serial No. 277,920
8 Claims. (Cl. 277—20)

1. A valve comprising a housing provided with at least three fluid ports and a chamber common to all of said ports, a valve seat formed about two of said ports in said chamber, a valve carrier in said chamber, oppositely disposed valves carried by said carrier, a carrier operating lever engaging said carrier and rockably carried by



said housing, and yieldable means in said chamber engaging said housing and said carrier for holding said carrier in a selected port closing position, said yieldable means including a part carried by the carrier, a part rockably engaging said housing and a spring between said parts.

2,185,890
YARN TENSION DEVICE
James D. Friday, Cherryville, N. C.
Application January 16, 1939, Serial No. 251,224
2 Claims. (Cl. 242—150)

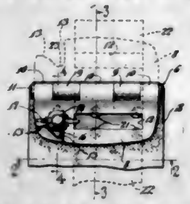


1. In a yarn tension device, a tension washer, a stationary support therefor having an upper yarn contact surface under said washer and provided at one end with a forked leading-in guide having a yarn contact surface at the crotch thereof, and a replaceable non-yielding stationary wearing plate having an end portion located upon said upper yarn contact surface for protecting the same from wear, said wearing plate having its other end portion directed outwardly and downwardly and laterally widened to rest upon the upper surfaces of the arms of said leading-in guide and span the space therebetween, said last-named end of the wearing plate having an opening, and a yarn guiding eye removably disposed in said opening and arranged to guide the yarn out of contact with the said yarn contact surface at the crotch of the leading-in guide.

2,185,891
STRAP FASTENER
George J. Gilmore, Chicago, Ill.
Application May 22, 1939, Serial No. 274,909
2 Claims. (Cl. 24—168)

1. A device of the character described comprising, in combination, a strap secured to a clamp, the said clamp comprised of two members, a top member articulately secured to a bottom member, said bottom member rigidly secured to said strap, a screw bolt secured to the said bottom member, a lock-nut securing the said screw bolt in fixed relationship with the said bottom member, the

said top member provided with slotted means adapted to hold the free end of said strap, and
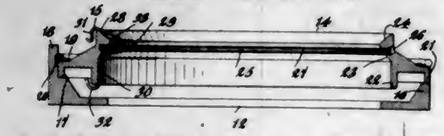


wing-nut means adapted to clamp the free end of said strap.

2,185,892

SPINNING RING AND TRAVELER THEREFOR

Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York

Application August 24, 1938, Serial No. 226,499
7 Claims. (Cl. 57—120)



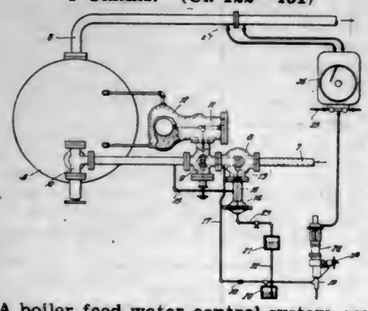
1. A device of the character described, comprising a spinning ring for travelers having a downwardly-opening channeled base portion providing an outer supporting flange and an inner traveler-engaging flange having an inner, substantially upright bearing face thereon, and having an upper portion including bearing faces disposed at substantially right angles to each other to provide an upper outwardly-inclined bearing face and a lower downwardly and outwardly inclined bearing face intersecting the upper end of the inner face of said traveler-engaging flange.

2,185,893

BOILER FEED WATER CONTROL SYSTEM

Kenneth B. Howell, Milwaukee, Wis.

Application June 7, 1937, Serial No. 146,867
4 Claims. (Cl. 122—451)



4. A boiler feed water control system comprising a feed water conduit, a valve therein, means responsive to the level of feed water in said boiler for controlling the position of said valve, and means for varying the pressure differential across said valve automatically responsive to a desired governing factor in the operating process, said means comprising a differential regulator in the feed water conduit including a valve in said liquid supply conduit in series with the first named valve, a diaphragm controlling said last named valve, means for balancing said diaphragm between the pressures above and below said first named valve including conduits from said liquid supply conduit to the opposite sides of said diaphragm, and a bleed orifice in the conduit from the upstream side of said first named valve to a point of lower pressure, said bleed orifice being adjustable in response to the desired governing factor.

2,185,894

METHOD OF PRODUCING MALLEABLE IRON

Axel Gustaf Emanuel Hultgren, Djursholm, Sweden

No Drawing. Application January 22, 1938, Serial No. 186,463. In Sweden January 25, 1937
3 Claims. (Cl. 148—21.8)

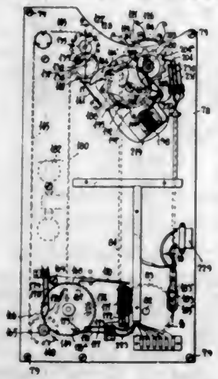
1. Method of producing malleable iron from cast iron, comprising making castings of white cast iron, containing a component increasing the depth of hardening taken from a group consisting of nickel, chromium and manganese, said component being in such concentration that the castings will be hardened to sufficient depth to a largely martensitic-austenitic state by cooling from a temperature exceeding A_1 in a cooling medium not more efficacious than oil, and subjecting the castings to such a cooling and then to a malleableizing anneal.

2,185,895

ELECTRICALLY CONTROLLED SELECTIVE DISPLAY APPARATUS

Uriah Hutchinson, New York, N. Y.

Application May 29, 1939, Serial No. 276,480
26 Claims. (Cl. 40—84)



1. Display apparatus comprising a movable carrier, a series of rolled up curtains mounted on said carrier in spaced, parallel relation, means for selecting in advance any individual curtain which it is desired to display, and automatic means set in operation by actuation of said selecting means for first moving said carrier to bring the selected curtain into position to be displayed, and thereupon unrolling said curtain to display the same.

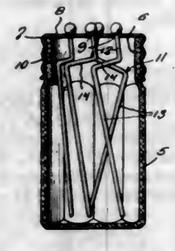
2,185,896

DISPENSING RECEPTACLE

Charles Robert Jones, Rossville, Ga.

Application November 26, 1937, Serial No. 176,717
2 Claims. (Cl. 65—57)

2. A dispensing receptacle of the shaker type including a container for the commodity to be dispensed, said container having a top provided with a plurality of perforations, and a plurality of pins, one of said pins being associated with each of said perforations, each pin extending loosely through the associated perforation and having its upper outer end provided with an enlarged head adapted to close the perforation when the pin falls by gravity with the receptacle in an upright position, each pin including a relatively short straight upper end portion and a relatively long straight lower end portion integrally connected in substantially parallel offset relation by an intermediate transversely extending portion, the lower end portions of the pins being of a length to extend near the bottom of the container, and said pins being unconnected for free independent rotation and longitudinal sliding and lateral swinging movement relative to the container by normal use of the receptacle and without manual operation of said pins.

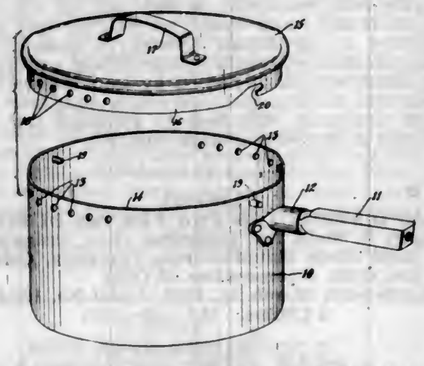


2,185,897

LOCK LID STRAINER SAUCEPAN

Richard F. Krause and Gurdon G. Sill, Massillon, Ohio, assignors to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio

Application January 30, 1937, Serial No. 123,238
2 Claims. (Cl. 53—6)



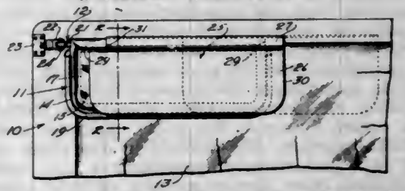
1. A culinary utensil having a series of apertures near its upper edge, a lid for the utensil having a rim flange for engagement with the utensil and provided with a series of apertures of the same size and arrangement as the apertures in the utensil, and cooperating bayonet slots and studs upon the utensil and lid for locking the lid upon the utensil, the apertures in the utensil and lid being arranged to register with each other when the lid is in locked position, each bayonet slot having a horizontal inner portion and an inclined edge extending from the top of the horizontal portion through the lower edge of the rim flange and adapted to engage the corresponding stud so as to raise the lid entirely from the utensil when the lid is turned in a direction to unlock the same.

2,185,898

EXTENSIBLE SUN VISOR

Ebb V. Mitchell, Abilene, Tex.

Application April 15, 1938, Serial No. 202,335
2 Claims. (Cl. 296—97)



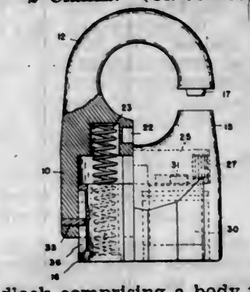
1. An extensible attachment for visors of that type including a substantially rectangular body having a hollow rounded upper portion revoluble on and angularly adjustable relative to a suspension rod pivoted at its outer end to a fixed bracket, said attachment adapted to have the major portion thereof normally disposed throughout in abutting relation with respect to one of the side faces of said body and capable of being bodily adjusted with and independently adjusted longitudinally selectively in opposite directions relative to said face to selectively extend from the ends of said body for increasing the length of the visor, said attachment comprising a rectangular plate corresponding in length to the length of and permanently abutting said face, said plate being of a width to extend from the bottom of said rounded portion and to terminate in close proximity to the bottom of said body, and a sleeve carried by and disposed in lengthwise relation with respect to said plate for permanently bearing against the front, top and rear of said upper portion whereby the attachment is secured with the visor to bodily move with said body on the angularly adjusting of the latter, said sleeve being resilient formed throughout its bottom with a wide split, one edge of said split merging into the top of said plate, said sleeve being of a length to extend from the inner end to a point removed inwardly from the outer end of said plate to provide a clearance for the latter relative to the pivoted end of said rod and the said bracket when said plate is adjusted to extend from the outer end of said body.

2,185,899

PADLOCK

Charles H. Nehls, Detroit, Mich.

Application May 1, 1937, Serial No. 140,225
2 Claims. (Cl. 70—33)



1. A padlock comprising a body formed in two sections slidable with relation to each other upon a plane of cleavage extending longitudinally of the mid portion of the body, a shackle portion rigidly carried by one of said sections, the other section being slidable to open and close said shackle portion, means slidably connecting said sections comprising interfitting overengaging

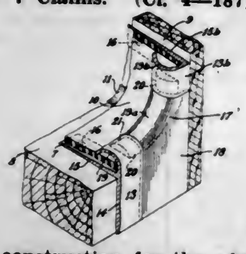
guide portions, one projecting laterally from one section and the other hollowed in the other section, said guide portions being located upon one side of said plane of cleavage and extending only part of the length of the body and stopping short of the shackled portion thereof, and means for locking said sections against relative sliding movement, comprising a bolt member mounted in one of said sections and movable across the plane of cleavage into and out of holding engagement with the other section in the space between the guide portions and the shackle portion; key-controlled operating means for said bolt member including a lock cylinder arranged upon the other side of said plane of cleavage from said interfitting guide portions.

2,185,900

CORNER TRIM CONSTRUCTION

Joseph Oster, Wooster, Ohio, assignor to Wooster Products Inc., Wooster, Ohio, a corporation of Ohio

Application October 5, 1938, Serial No. 233,422
7 Claims. (Cl. 4—187)



1. Trim construction for the edges of a sink and the like having covering material thereon, including lineal trim sections having flanges with downturned lips overlapping marginal edges of said covering material, and corner pieces having overlapping flanges with downturned lips conforming to and abutting the flanges of said lineal trim sections, said corner pieces having lugs projecting from their flanges above the covering material and fitting under and interlocking with the overlapping flanges of adjacent lineal trim sections.

2,185,901

METALLIFEROUS AZO-DYESTUFFS CONTAINING THE PYRAZOLONE RING

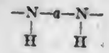
Max Schmid, Riehen, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application May 18, 1938, Serial No. 208,704. In Switzerland May 22, 1937
4 Claims. (Cl. 260—147)

1. The metal compounds of the azo-dyestuffs of the general formula



wherein R_1 and R_2 are mono-cyclic aromatic nuclei of the benzene series containing a COOH group standing in ortho-position to the —N=N— group, x and t stand for members of the group consisting of H, CH_3, COOH, $COOC_2H_5$ and phenyl, and z stands for a connecting member of the formula



wherein a stands for a member of the group consisting of the carbonyl group and a triazine compound and wherein the



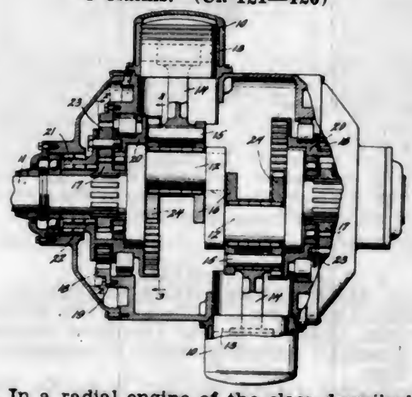
groups are linked in a position different from the 2'-position to the phenyl radicals standing in 1-position to the pyrazolone nuclei, which products are yellow to brown powders dyeing the fiber fast yellow tints.

2,185,902

ARTICULATING ROD BEARING FOR RADIAL MOTORS

Julius Schubert, Sunnyside, N. Y.

Application October 31, 1936, Serial No. 108,673
Renewed February 2, 1938
4 Claims. (Cl. 121—120)



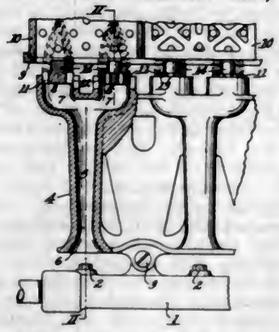
1. In a radial engine of the class described, a crank pin having a geared hub bearing; articulating rods connected to the hub; an external gear on the crank shaft; an internal ring gear secured to the engine housing; a master ring gear meshing with said hub gear; and a plurality of planetary gears carried by said master ring gear and meshing with said crank shaft gear and said stationary ring gear to maintain the hub always in the same angular position.

2,185,903

GAS DISTRIBUTOR FOR BURNER OUTLETS

Henry E. Stein, Sr., Columbus, Ohio, assignor to Quad Stove Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application March 11, 1938, Serial No. 195,342
6 Claims. (Cl. 158—116)



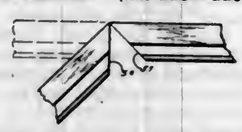
1. As a new article of manufacture, a gas distributing and diffusing element for gas burner outlets comprising a cylindrical body formed peripherally with radially disposed relatively spaced alternate deep and shallow slots, the latter passing through said body from top to bottom thereof, and a cylindrical extension arising axially from the top of said body, said extension being disposed within the inner confines of said slots.

2,185,904

TUBULAR FRAME

Rolland M. Stowe, Corry, Pa., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa., a corporation of New York

Application July 16, 1937, Serial No. 154,022
5 Claims. (Cl. 113—116)



1. The method of making a screen frame from a metallic member of integral tube and channel cross section, consisting in simultaneously producing a severing cut-out in the channel and a non-severing cut-out in the tube, the cut-outs of the tube and channel together forming a wedge-shaped opening, bending the metallic member along the unsevered portion of the tube to bring the corresponding severed edges of both tube and channel into abutment, and securing the abutting edges together.

2,185,905

PROCESS FOR THE PRODUCTION OF FAST TINTS ON VEGETABLE FIBERS

Fritz Straub, Basel, Walter Hanhart, Riehen, near Basel, and Walter Anderau, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application December 15, 1936, Serial No. 116,038. In Switzerland December 19, 1935
8 Claims. (Cl. 8—42)

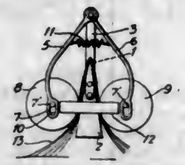
1. Process for the production of fast tints on vegetable fibers, comprising producing dyeings of complex metal compounds of direct cotton dyestuffs on vegetable fibers, wherein at least once in the course of the dyeing process the vegetable fibers are treated in a caustic alkaline medium at a raised temperature not exceeding the boiling point of the said medium.

2,185,906

HAIR WAVE APPARATUS

Albert Werner and Stig Carlsson, Stockholm, Sweden

Application September 19, 1938, Serial No. 230,695
In Sweden July 9, 1938,
5 Claims. (Cl. 132—31)



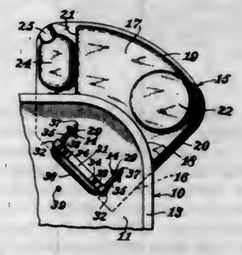
1. Hair waving apparatus comprising a supporting member having mutualy inclined sides and substantially parallel ends, a cam member having a sharp edge over which a lock of hair may be drawn and against which the lock of hair may be pressed, said cam member being mounted on said supporting member, spindle-supporting pieces fastened to the ends of the supporting member, a spindle extending between and supported on said pieces, roller-carrying arms journalled on said spindle, and rollers mounted on said arms and yieldingly bearing against the sides of said supporting member.

2,185,907

CARD TABLE TRAY

Theodore De Vaughn Alexander, Atlanta, Ga.

Application October 1, 1937, Serial No. 166,880
1 Claim. (Cl. 311—103)



In an article holding attachment for game tables, wherein the attachment comprises a tray for the support of articles laterally of the top of the table and wherein a tray is detachably engaged with each corner of a rectangular table top, said tray comprising a receptacle portion disposed laterally of the table top, a flat plate extension overlying the corner of the table top, a pair of spaced lugs apertured at their lower ends depending from said plate extension, said table top having slotted openings therein for the passage of said lugs and a U-shaped bolt slidably mounted on the underside of the table top with the bolt legs thereof adapted to be projected into the lug apertures for holding the tray in position on the corner of the table top, a strip secured to the underside of the table top having its ends overlying the bolt legs to retain the bolt in position, a finger grip carried by the cross head of the bolt and a stop pin carried by the bottom of the table positioned for engagement by said finger piece for limiting movement of the bolt relative to the retainer portions of the strap for retaining the strap engaged with the legs of the bolt at all times.

2,185,908

METHOD OF MAKING GASKETS

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich., a corporation of Michigan

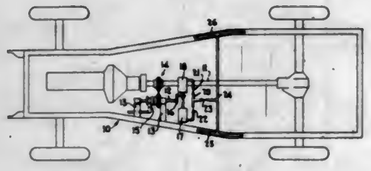
Original application August 22, 1934, Serial No. 741,024. Divided and this application September 8, 1936, Serial No. 99,897
6 Claims. (Cl. 154—2)



1. The method of making a beveled gasket which comprises superimposing a plurality of layers of fibrous cushion material and sheet metal each having an internal wall defining a central opening through the gasket, supporting said layers interiorly about the wall of said opening and exteriorly about the periphery of the gasket, and variably compressing said layers together,

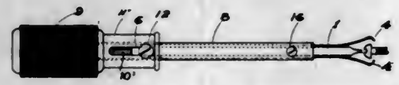
the amount of applied compression varying from high compression at the peripheral edge of said gasket to a substantially lower compression adjacent the wall of the opening.

2,185,909
AUTOMATIC SAFETY VEHICLE DOOR LOCKING DEVICE
Anthony S. Caponey, Trenton, N. J.
Application April 8, 1938, Serial No. 200,996
4 Claims. (Cl. 180—82)



1. In an automotive vehicle of the type described having a shaft rotatable when the vehicle is in motion, a body and at least one door therein, an automatic safety door locking device which comprises a compressor associated with and operable by said shaft, a pneumatic line connected to said compressor, means for maintaining gas pressure in said line substantially constant comprising an adjustable relief valve therein, a cylinder, open at one end, pneumatically connected to said line, and mounted near said door, a piston slidable within said cylinder, a slidable spring-pressed bar-like member attached to and movable by said piston, normally tending to move said piston whereby the volume determined by the interior of said cylinder and said piston is diminished, and door locking means connected to and operable by movement of said bar-like member, whereby, when the vehicle is in motion, the door is locked.

2,185,910
SCREW DRIVER
Seth J. Cox, Franklin, Pa.
Application August 14, 1937, Serial No. 159,058
1 Claim. (Cl. 145—52)

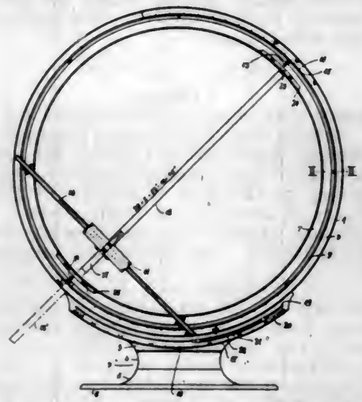


A tool of the screw driver type comprising a hollow tubular shank of rectangular cross section having a hand grip on one end and being open at its other end, a jaw member of unitary bifurcate form slidable longitudinally in and through the open end of the shank and having a head disposed within the shank, a bit of rectangular cross section slidable longitudinally in and through the open end of the shank between the legs of said jaw member, cooperative means on said jaw member and bit for limiting relative longitudinal movement therebetween, a stem of rectangular cross section slidable longitudinally in said shank and extending from said jaw member substantially to said hand grip, said stem having a socket in its bit-adjacent end, the head of said jaw member being seated in said socket whereby the stem and jaw member are connected for movement longitudinally as a single unit, and actuator means on said stem and projecting laterally through said shank immediately adjacent said grip portion.

2,185,911
DIRECT BATCH PROCESS FOR THE PRODUCTION OF IRON AND STEEL
Fritz Eulenstein, Cologne-on-the-Rhine, and Adolf Krus, Sturzelberg, Germany, assignors to Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany
No Drawing. Application March 16, 1939, Serial No. 262,290. In Germany March 23, 1938
6 Claims. (Cl. 75—40)

1. A batch process for the production of iron in a rotary drum furnace which comprises charging the furnace to its normal volume capacity with a mixture comprising more than a normal batch of ore, at least part of the reducing carbon required for the treatment of the ore, and less lime than is required for the treatment of the ore, heating the mixture by direct flame, after the charged mixture has contracted in volume introducing sufficient lime to complete the treatment of the ore and agitating the contents of the furnace by rotary movement of the furnace about a substantially horizontal axis.

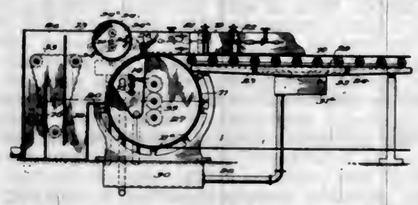
2,185,912
NAUTICAL COURSE CORRECTOR
Thor Fladmark, Aalesund, Norway
Application November 30, 1937, Serial No. 177,322
In Norway September 19, 1935
8 Claims. (Cl. 33—75)



1. A course corrector of the kind described comprising, a disc provided with a circular opening, an annular member rotatably mounted on said disc around the opening, a member fixed to said annular member adapted to serve as guide for a ruler, a second annular member rotatably mounted on said disc and provided with a compass scale, a variation scale on the disc and an arc-shaped member movably mounted in peripheral direction on the disc between the variation scale and the second annular member, said arc-shaped member being provided with a zero mark and a graduated scale on each side of the zero mark.

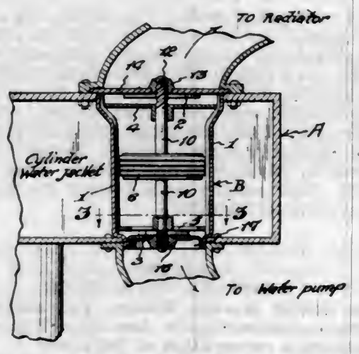
2,185,913
PAPER MAKING MACHINE
George J. Forman, Montville, Conn.
Application July 19, 1935, Serial No. 32,295
1 Claim. (Cl. 92—44)

In a paper-making machine, the combination of a stock flow box, a perforate cylinder on a horizontal axis paralleling one side wall of said box, an endless traveling belt extending partially around said cylinder and extending from said cylinder in horizontal upper and lower reaches, said cylinder and belt being located exteriorly of said box, a vacuum chamber within said cylinder for removing liquid from stock on said belt, two opposite side walls of the box extending beyond and overhanging said cylinder beside said upper



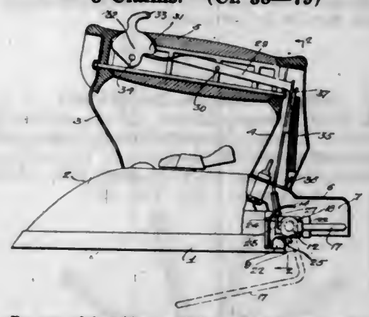
reach of belt, means positioned beyond said cylinder preventing excess stock flowing over the upper reach of said belt between said opposite side walls, and a feeding apron projecting from the first-mentioned box wall into proximity to the belt around the cylinder in substantially the same horizontal plane of the cylinder axis and below said vacuum chamber.

2,185,914
THERMOSTAT
Max Gaul, Eppstein, Germany, assignor of one-half to Max Goldschmidt, Frankfort-on-the-Main, Germany
Application December 28, 1936, Serial No. 117,933
In Germany September 27, 1934
1 Claim. (Cl. 236—34)



A thermostatically controlled means for regulating the flow of fluid in accordance with temperature variations, comprising a casing having an inlet and a pair of outlet openings for the passage of fluid, a thermostatic element arranged in the casing between the inlet and outlet openings, a threaded member secured to each end of said thermostatic element, the pitch of the threaded portion of one of the members being greater than the pitch of the threaded portion of the other member, a valve secured to each of said members to by-pass the fluid and controlled by the expansion and contraction of said element, a pair of spaced threaded bearings carried by the casing and having threaded engagement with the threaded portions of said members, said connected valves and thermostatic element and screw threaded members being simultaneously rotatable and axially movable by the differential movement effected by said threaded members by the expansion and contraction of the thermostatic element.

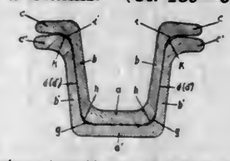
2,185,915
RETRACTABLE SUPPORT FOR FLATIRONS
William H. Ginder, Haddonfield, N. J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 21, 1936, Serial No. 65,139
8 Claims. (Cl. 38—79)



3. In combination with a flat-iron, a hood carried by and extending from the body of said iron, supporting means carried by the flat-iron comprising a plurality of supporting members movable into said hood into crossed relation and movable out of the hood into extended cooperative relation, and manually operable means for actuating said supporting means.

7. In combination with a flat-iron having an ironing surface, supporting means for the iron, comprising a transverse rotatable shaft carried at the rear of said iron and a pair of arms extending transversely of said shaft and having portions rotatably disposed in transverse openings of the shaft, whereby the arms are rotatable with the shaft and are also rotatable relative to the shaft, said arms being bent in a substantially right angular form to provide feet portions, means for rotating said shaft, a crank carried by each of said arms, and stationary cam means cooperatively associated with each said crank to rotate said arms relative to said shaft when the shaft is rotated, said cam means being arranged and adapted to move said feet portions into inoperative position transversely of the iron above the plane of said ironing surface and into operative position longitudinally of the iron below the plane of said ironing surface.

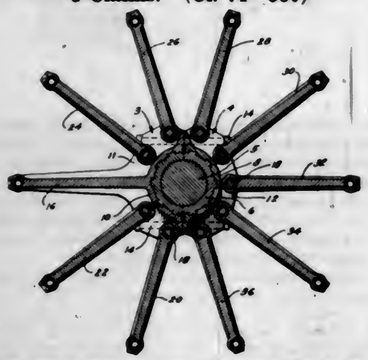
2,185,916
WALL STRUCTURAL UNIT
Karl Maria Groetschel, Bochum, and Heinrich Toussaint, Berlin-Lankwitz, Germany
Application May 25, 1937, Serial No. 144,732
2 Claims. (Cl. 189—36)



1. A structural unit comprising a pair of profile members of channel shape configuration in cross section each including a base part, web parts and side flange parts the ends of which are adapted to be engaged in overlapping engagement, means for releasably clamping said members together to prevent separative movement of the base parts while permitting of longitudinal sliding movement without rupture, the web parts of each profile member being inclined outwardly relatively to the base part thereof and the web parts

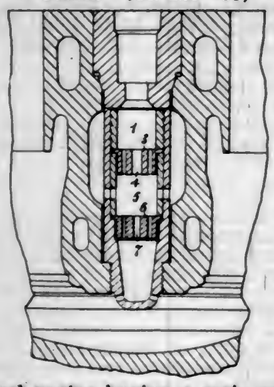
of one member being inclined differently to the web parts of the other member so that when the members are interengaged and the base parts are in contacting engagement with each other narrow wedge-shaped spaces are provided between the web parts which open toward the side flange parts and decrease in area as the pressure of the clamping means is increased.

2,185,917
SPLIT CRANK BEARING
William E. Hubbard, Tulsa, Okla., assignor to Hydraulic Pumper Incorporated, Tulsa, Okla., a corporation of Oklahoma
Application January 24, 1939, Serial No. 252,683
5 Claims. (Cl. 74—580)



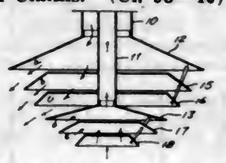
1. In combination with a crank shaft having a crank pin, a master connecting rod having split bearings surrounding said pin, means for securing the bearings together, said bearings provided with complementary spaced flanges extending perpendicular to the longitudinal axis of the pin, a plurality of studs connecting the flanges, a plurality of secondary connecting rods secured to the studs, part of said studs disposed in the flanges nearer to the longitudinal axis of the crank pin than the remaining studs.

2,185,918
PRECOMBUSTION CHAMBER FOR DIESEL ENGINES
Franz Koch, Essen, Germany
Application March 28, 1938, Serial No. 198,516
In Germany April 2, 1937
1 Claim. (Cl. 123—33)



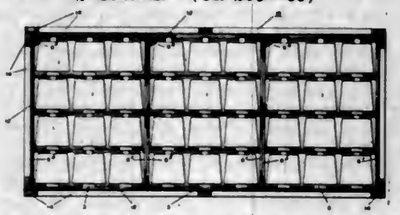
In a Diesel engine having a main combustion space and a fuel injection nozzle, a precombustion chamber arranged to receive the fuel from said fuel injection nozzle and communicating with the main combustion space, said precombustion chamber having a plurality of partition members arranged therein so as to lie in the path of the fuel jet from the injection nozzle and divide the precombustion chamber into a plurality of spaces, each of said partition members having a large central aperture located in the path of the fuel jet so as to allow the greater part of the fuel to pass unhindered to the other side of the partition member, the central aperture in each successive partition member being of smaller diameter than that of the central aperture of the partition member nearer the fuel nozzle, so as to hold back progressively larger quantities of fuel particles at the edge of the fuel jet, said partition members having a plurality of smaller apertures in the marginal regions thereof for admitting air to said fuel particles, so as to form therewith a series of ignitible mixtures in the precombustion chamber.

2,185,919
VENTILATING DEVICE
Franz J. Kurth, New York, N. Y.
Application January 15, 1938, Serial No. 185,109
4 Claims. (Cl. 98—40)



1. A ventilating device, comprising an air supply conduit, an air exhaust conduit extending through said air supply conduit in spaced relation thereto, open ended, mutually spaced, hollow flaring members disposed in advance of one another being directed with their smaller ends toward the delivery end of said air supply conduit, and open-ended, mutually spaced, hollow flaring members disposed in advance of one another being directed with their smaller ends toward the inlet end of said exhaust conduit.

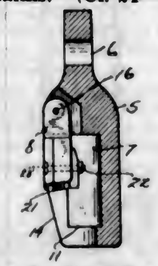
2,185,920
SHIPPING CONTAINER
Frank Bucha Martin, Moores, Pa., assignor, by mesne assignments, to American Viscose Corporation, a corporation of Delaware
Application July 17, 1936, Serial No. 91,181
2 Claims. (Cl. 206—65)



1. A yarn package comprising a container, superposed rows of yarn cones therein, tray members having cone positioning means for spacing the cones and forming re-enforcing partitions in the package, a cardboard wrapping strip surrounding the cones and contacting and being braced by the ends of the tray members, the uppermost tray member being shorter than the other tray members which are of uniform length

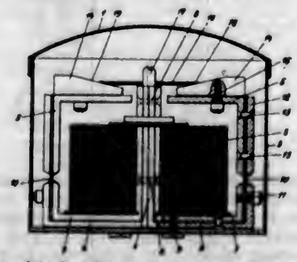
by an amount substantially equal to the thickness of the wrapping strip, the wrapping strip having a flap portion at one end extending between and braced on one side by the end of the upper tray member and on the other side by the adjacent portion of the wrapping strip, the sides of the container engaging the wrapping strip throughout.

2,185,921
HOOK
Harold Duncan McNaught, Vancouver, British Columbia, Canada
Application September 15, 1937, Serial No. 164,059
2 Claims. (Cl. 24—123)



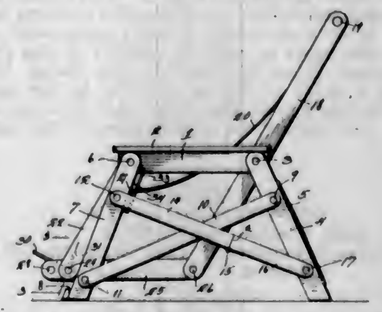
1. In a logging hook of the class described, comprising a housing having a recess formed therein, a portion of said housing being bifurcated, a ledge formed in said bifurcation and capable of receiving a headed cable, the head of which is adapted to normally rest upon said ledge, a pivoted lock mounted in said housing and capable of swinging into the bifurcation thereof and flush with the outer face of the housing, lugs extending from the bifurcated sections of the housing, and a spring urged latch mounted in said lock and capable of passing over said lugs to latch the pivoted lock together with the housing, and said lock having an extension carried by the inner lower end thereof and capable of abutting against the head of said cable to lock the same within said housing.

2,185,922
SHARPENING DEVICE FOR RAZOR BLADES
Bela Meitner, Budapest, Hungary
Application October 26, 1936, Serial No. 107,633
In France December 5, 1935
1 Claim. (Cl. 51—58)



A razor blade sharpener comprising a stationary coil having a vertical core extending above the plane thereof, paired angle plates having their horizontal arms fixed to the core and their vertical arms disposed upon opposite sides of the coil, a pair of upper angle plates having their horizontal arms overhanging the coil, spring plates having their lower ends fixed between the vertical arms of the lower plates, means for fixing the upper end of the spring plates to the vertical arms of the upper angle plates, the opposed ends of the upper and lower angle plates being spaced to permit free flexing of the spring plates intermediate their ends, blade honing heads fixed to the horizontal arms of the upper plates, means for fixing a blade to the core for contact with the heads, as and for the purpose set forth.

2,185,923
CHAIR
Elihu T. Paul, Corbin, and Carroll D. Carlisle, Middlesboro, Ky., assignors of one-third to Frank Craft, Pikeville, Ky.
Application June 18, 1938, Serial No. 214,542
2 Claims. (Cl. 155—106)



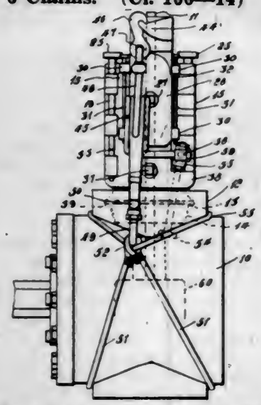
1. A chair comprising side arm members, supporting legs pivotally engaged with the front and rear end portions of said side arm members, bars pivotally engaged with the lower end portions of the front legs and with the upper end portions of the rear legs, bars pivotally engaged with the upper portions of the front legs, bars pivotally connected with the lower portions of the rear legs, the last named bars being of a length approximately one-half the length of the second named bars, means for hingedly connecting said two last named bars, said hinge connections breaking in a general direction toward the side arm members to allow the front and rear supporting legs to swing forwardly when collapsing the chair, means for connecting the front legs for unitary swinging movement, means for connecting the rear legs for unitary swinging movement, hanger bars pivotally engaged with the forward end portions of the side arm members, elongated back bars pivotally engaged intermediate their ends with the rear end portions of the side arm members, bars pivotally engaged with the lower extremities of the hanger bars and the lower extremities of the back bars, the lower portions of the back bars and the hanger bars being substantially in parallelism at all times, a combined seat and back flexible strip operatively engaged with the upper portions of the back bars and with the hanger bars, the hanger bars and the lower portions of the back bars also swinging forwardly when the chair is collapsed, a rod bridging the space between the front supporting legs, means for holding said rod to said front supporting legs, said means being so constructed and arranged to allow said rod to be bodily shifted along said front supporting legs toward or from the side arm members, said rod when in a position away from the side arm members providing a stop to be contacted by the lower portions of the back bars to limit the reclining position of said back bars, said rod when bodily shifted toward the side arm members permitting the lower portions of the back bars to be swung closer to the side arm members when the chair is collapsed.

2,185,924
PROCESS OF MAKING RELIEF MAPS
Jose Estevão Cacella de Victoria Pereira, Lisbon, Portugal
Application January 4, 1937, Serial No. 119,032
2 Claims. (Cl. 18—55)



1. The process for the industrial manufacture of maps, charts, etc., in high relief, including the steps of forming in the molding face of a hot female mold the negative of the relief map, etc. to be made, applying over the entire molding face of the mold a thin film of latex compound, allowing the same to solidify, placing in the deep depressions fillers of loose textile fibres, then placing a sheet of textile material in the mold onto the surface of the latex and covering the fillers, and uniting the textile sheet to the latex film.

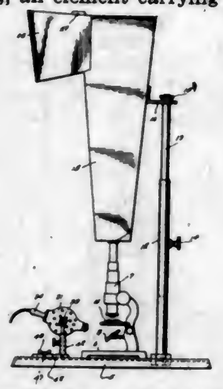
2,185,925
OIL WELL OIL SAVER
John Preston Sparr, Wink, Tex.
Application September 29, 1938, Serial No. 232,426
6 Claims. (Cl. 166—14)



1. In combination with a control head and drill line operable therethrough, an oil saver surrounding the drill line and seated on the control head, hold-down means exteriorly of the control head connected to the control head and detachably connected to the oil saver, and means operable automatically through movement of the control line to disengage said hold-down means from the oil saver.

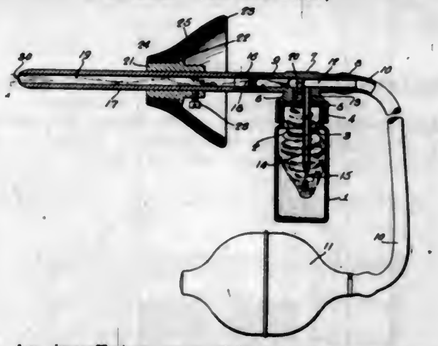
2,185,926
VIEWING ATTACHMENT FOR MICROSCOPES
Ephraim A. Senecal, St. Albans, Vt., assignor of twenty-five per cent to Frances D. Twigg, Rutland, Vt.; M. H. Alexander, administrator of said Ephraim A. Senecal, deceased
Application June 18, 1938, Serial No. 214,544
1 Claim. (Cl. 88—24)

In a device of the class described, a base, a microscope supported on the base, a standard rising from the base, means for adjusting the length of the standard, a vertically arranged viewing casing attached to the top of the standard and provided at its lower end with an opening substantially aligning with the microscope, said casing at one side thereof adjacent the top having an opening therein, a substantially horizontally arranged hood extending from the said side of the casing and enclosing the opening, said hood having its top substantially flush with the top of the casing and its bottom wall spaced below the bottom wall of the opening, horizontally arranged guiding means extending across the casing, in a plane adjacent the lower wall of the opening, an element carrying slide engaging



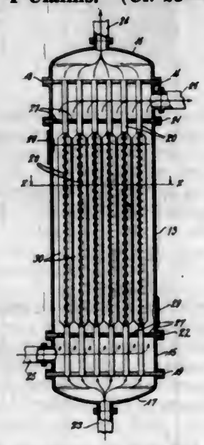
said guiding means with one end projecting from the lower wall of the opening in said side of the casing, said slide adapted to receive either a screen or a photographic plate, a reflecting mirror diagonally arranged in the upper end of the casing for reflecting an image on the screen through the hood, said hood having a slot in its top and guiding means in the hood for receiving an element-carrying slide passed through said slot.

2,185,927
INSUFFLATOR
Herman A. Shelanski, Philadelphia, Pa.
Application February 16, 1937, Serial No. 126,094
3 Claims. (Cl. 128—266)



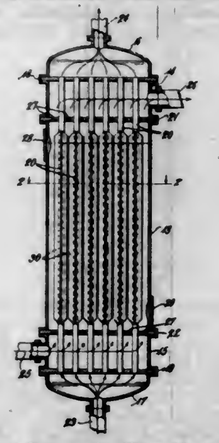
1. An insufflator comprising a container for finely divided powder; a cap on said container having an inlet passage therein, including a straight portion extending radially from a point near the center of the cap to the exterior surface of the cap and a straight portion extending axially of said cap and having its inner end communicating with the straight portion of said inlet passage and its outer end communicating with the interior of said container, the outer end of the straight portion of said inlet passage adapted for connection to a source of gaseous fluid under pressure, said cap having an outlet passage therein including a straight portion extending radially from a point near the center of the cap to the exterior surface of the cap and a straight portion extending axially of said cap and having its inner end communicating with the straight portion of said outlet passage and its outer end communicating with the interior of said container; and a tube connected to the outer end of the axially positioned portion of the inlet passage in the cap and extending into said container a substantial distance below said cap, whereby the gaseous fluid under pressure flows through said tube and into the container to force the powder therein through the outlet passage in said cap.

2,185,928
APPARATUS FOR CATALYTIC CONVERSIONS AND OTHER CONTACT MASS OPERATIONS
Thomas P. Simpson, John W. Payne and John A. Crowley, Jr., Woodbury, and Clark S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1937, Serial No. 162,068
4 Claims. (Cl. 23—288)



1. In an apparatus for controlling the temperature of a body of contact material during a cycle of operation including alternative conversion of fluid reactants by passing said reactants through said contact material and regeneration of the contact material in situ by flowing a fluid regenerating agent therethrough; a reaction chamber enclosing a reaction zone, a plurality of heat exchange conduits extending through said reaction zone, plane heat exchange fin surfaces extending longitudinally of said heat exchange conduits on the exterior thereof and cooperating with the exterior surfaces of said heat exchange conduits to define a plurality of long thin catalyst paths through the reaction zone parallel to said conduits obstructed to a material extent only by contact material, each of said paths being in restricted communication with at least one other of said paths through an opening between said surfaces, means for circulating a fluid heat control medium through said heat exchange conduits, means to introduce fluid to one end of said long thin paths, means to remove fluid from the other end of said long thin paths, said paths being sufficiently thin to effect the maintenance of a desired heat control of the contact mass in all portions of said paths by conduction with a heat control fluid through said heat exchange surfaces, whereby fluid reactants and regenerating fluid are caused to traverse said long thin paths through the contact material disposed among said heat exchange conduits in effective heat control relationship with said heat control medium.

2,185,929
METHOD OF CONDUCTING REACTIONS IN THE PRESENCE OF A CONTACT MASS
Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, and Clark S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1937, Serial No. 162,069
8 Claims. (Cl. 23—1)

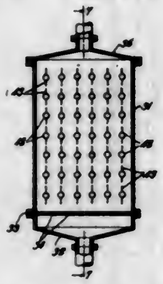


1. A process for controlling the temperature of a body of contact material in a converter chamber in which conduits extend into the contact material for the circulation of heat transfer fluid during a cycle of operation including catalytic conversion of fluid reactants resulting in deposition on the contact material of a contaminating substance which tends to inhibit catalytic activity of the contact material and flowing a regenerating fluid through said body at a controlled temperature; comprising successively passing said fluid reactants and said regenerating fluid through said contact material in the form of a plurality of long thin streams substantially parallel to said conduits and obstructed to a material extent only by the contact material, each of said streams being substantially enclosed by a plurality of heat transfer surfaces extending parallel to said streams in heat conducting relationship with said heat transfer fluid and being in restricted communication with at least one other of said streams through an opening between said surfaces, said streams being sufficiently thin to effect the maintenance of the desired heat control of the contact mass in all portions of each stream by conduction with the heat control fluid through said heat transfer surfaces, and maintaining a heat control fluid in said conduits.

2,185,930
METHOD OF CONVERTING PETROLEUM AND LIKE OILS
Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, and Clark S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1937, Serial No. 162,070
11 Claims. (Cl. 196—52)

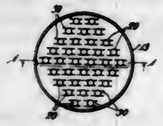
9. A process for effecting the conversion of hy-

drocarbons into hydrocarbons of the gasoline type, comprising passing the hydrocarbons to be converted, in vapor phase, in a plurality of paths through a body of contact material while maintaining all portions of the contact material and contacting vapor within a temperature range where substantial conversion of the hydrocarbons will take place with resultant deposition of a contaminating combustible substance upon the contact material, continuing such passage of hydrocarbons and the conversion thereof until the deposit upon the contact material renders it inefficient and regeneration is desirable, removing vapor products from contact with the contact material, passing combustion supporting gas through the used contact material to effect regeneration thereof in situ by blowing said gas



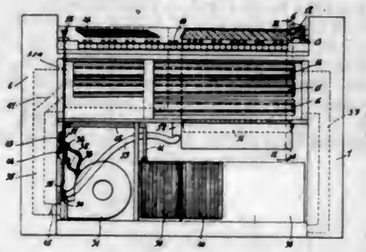
through the body of contact material in the form of thin streams sufficiently thin in at least one dimension to maintain the temperature difference between portions of said contact material across transverse sections of respective thin streams within a range not exceeding the difference between a minimum temperature at which the burning of the contaminating deposit occurs and a maximum temperature above which substantial damage to the contact material occurs and being of a length several times their narrowest cross-sectional dimension, and continuously removing heat from the burning areas within the contact material to maintain the temperature thereof below that at which substantial damage occurs, by maintaining a heat control medium in indirect heat exchange relationship with said contact material.

2,185,931
APPARATUS FOR CONVERTING PETROLEUM AND LIKE OILS
Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, and Clark S. Teitsworth, Plainfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1937, Serial No. 162,071
6 Claims. (Cl. 196—2)



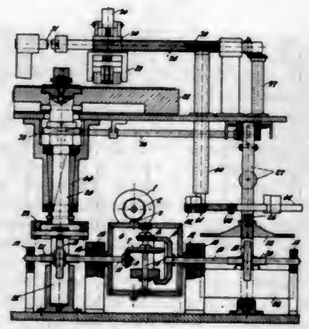
2. An apparatus for effecting catalytic conversion of hydrocarbons in one zone and concurrent regeneration of catalytic material in situ in another zone, comprising two reaction chambers, a series of closed spaced conduits of substantial length in the direction of reactant flow arranged in each of said chambers, fins on said tubes defining passageways therebetween, catalyst material in said passageways, selective means to supply concurrently hydrocarbons to the passageways in one of said chambers and a regenerating gas to the passageways in the other, means for passing a temperature control medium through said closed conduits in each chamber, and means to heat said temperature control medium.

2,185,932
MUSICAL INSTRUMENT
Henry John Prowse Skinner, London, England
Application June 21, 1939, Serial No. 280,428
In Great Britain June 13, 1938
6 Claims. (Cl. 84—355)



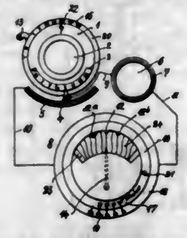
1. A musical instrument including a reed box and associated reeds, a blower for supplying air to said reed box, note means for selectively controlling passage of actuating air through said reeds, and a casing for said instrument including hollow end members providing through ducts in the blower circuit.

2,185,933
APPARATUS FOR RECORDING AND REPRODUCING SOUND
Johannes Hendrik Tieland, Utrecht, Netherlands
Application December 1, 1937, Serial No. 177,621
In the Netherlands December 7, 1936
4 Claims. (Cl. 274—9)



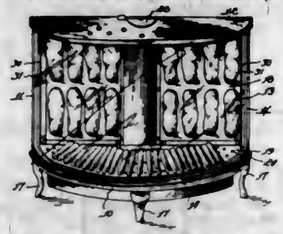
1. In a device for driving the turntable of a sound recording and reproducing device by a constant speed motor wherein the speed of rotation is dependent on the radial travel of a needle over the turntable so as to provide constant linear speed for recording and reproduction, a differential gear driven by the motor, a shaft driven by the differential gear, a turntable spindle coupled to said shaft, another shaft driven by the differential gear, and means associated with said last mentioned shaft operable to exert a brake action on the second shaft in accordance with the radial position of the needle with respect to the turntable.

2,185,934
PHOTOELECTRIC EXPOSURE DETERMINING APPARATUS
Hans Ferdinand Tönnies, Hamburg-Grossflottbek, Germany
Application June 18, 1937, Serial No. 149,019
Renewed August 18, 1939. In Germany July 1, 1936
19 Claims. (Cl. 95—10)



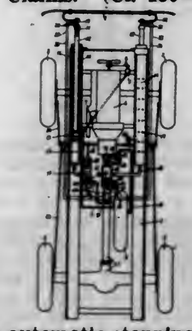
1. A photoelectric exposure meter comprising a photoelectric cell, a measuring instrument including a casing housing a movable pointer, means electrically connecting said cell and said instrument, and controlling means adjustable to determine the magnitude of the pointer displacement for a given light intensity at the photoelectric cell; said instrument having an indicator member movably mounted on the instrument casing and carrying a mark for cooperation with the pointer, a scale of graduations on said movable member and a cooperating relatively stationary scale of graduations carried by the instrument casing, said scales corresponding to graduations of the light sensitivity of films and to one of the factors, viz. shutter speed and diaphragm opening, affecting the quantity of light passing through a camera objective, whereby the adjustment of said indicator member to aline the scale graduations of the selected film and exposure factor value sets the mark of said indicator member in a predetermined position and the value of the second of said factors for a given light intensity at the cell is determined by that adjustment of said controlling means which brings the pointer into line with said mark.

2,185,935
COMBINATION DISPLAY AND DISPENSING CASE
Thomas W. Turner, Newport News, Va.
Application August 9, 1938, Serial No. 223,968
3 Claims. (Cl. 312—167)



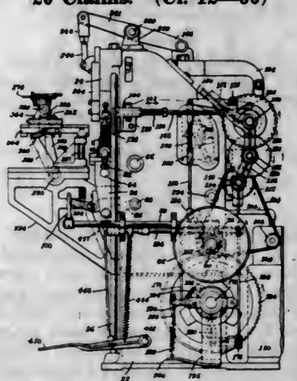
2. A cabinet for displaying and dispensing articles of merchandise comprising a base and top spaced from each other and connected by a glass front, a water compartment or boiler depending from the base, a plate at the top of the boiler, a rotatable frame for supporting the articles within the cabinet, said rotatable frame including a vertical wall centrally pivoted between the base and top and forming the back of the cabinet, a horizontal plate attached to the lower end of the wall to form the bottom of the cabinet and spaced from the plate covering the boiler, and wipers at the side edges of the vertical wall adapted to sweep over the inside of the glass front.

2,185,936
SAFETY AUTOMATIC STOPPING DEVICE FOR AUTOMOBILES AND THE LIKE VEHICLES
Kiiti Yamada, Nagoya, Japan
Application December 1, 1938, Serial No. 243,454
In Japan October 14, 1938
2 Claims. (Cl. 180—83)



1. A safety automatic stopping device for motor vehicles comprising wheels and brakes for said wheels, a compressed air reservoir, a bumper movably held at the front of the vehicle, a vehicle operated governor valve connected with said reservoir, means controlled by said valve for holding said bumper in positions varying in dependence on the speed of the vehicle, an electric valve device for rendering the bumper holding means ineffective, a pneumatic brake device for applying the brakes to the vehicle wheels, and a switch operated by said bumper upon impact with an obstacle for actuating said valve and brake device.

2,185,937
COUNTER MOLDING MACHINE
Charles W. Bailey, Lynn, Mass., assignor to Stewart Bros. Inc. of Lynn, Lynn, Mass., a corporation of Massachusetts
Application February 28, 1939, Serial No. 258,963
20 Claims. (Cl. 12—66)



1. A counter molding machine which comprises a plug, side molds, a feeder, clutch controlled mechanism for actuating said plug, molds and feeder automatically, a treadle for controlling

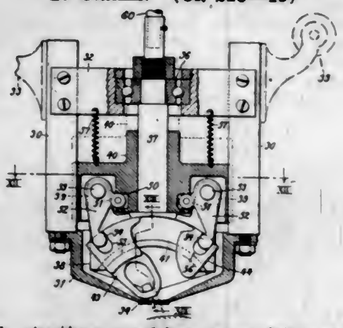
semi-automatic operation of said plug, molds, and feeder, and means for selectively and positively locking either said treadle or the clutch and preventing actuation thereof, whereby engagement of said clutch is prevented when said treadle is free to operate and vice versa.

2,185,938
SPARK INTENSIFIER
Grover D. Crawford, Elmhurst, N. Y.
Application April 21, 1939, Serial No. 269,283
1 Claim. (Cl. 123—148)



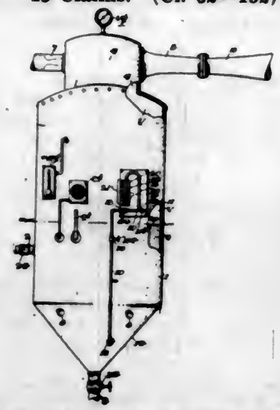
A spark intensifier of the character described comprising, a hollow substantially cylindrical-shaped sleeve, said sleeve being formed of insulating material, a split tubular member having a reduced end receivable within one end of said sleeve for attaching said intensifier to a distributor, a tubular shaped member disposed within the other end of said sleeve and adapted to receive a conducting wire from a spark coil, both of said sleeves being formed of conductive material, and a conductor positioned within said sleeve between said tubes, said conductor being substantially cylindrical-shaped and of a size so as to provide a space between the end of said conducting wire holder and the side of said sleeve.

2,185,939
METHOD OF AND APPARATUS FOR UPSETTING HOLLOW RIVETS
George W. Deshon, Paris, and Paul Emile Marie Amann, Vitry, France, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 3, 1939, Serial No. 271,556
In Great Britain May 2, 1938
17 Claims. (Cl. 218—19)



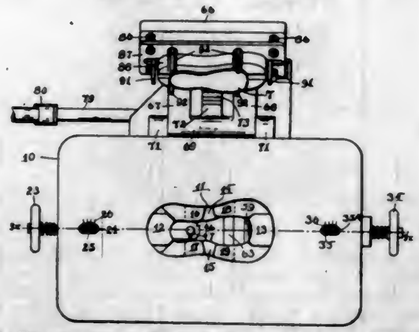
10. A riveting machine comprising a frame structure, a rotary member journaled therein, power-driven means by which said member may be rotated at high speed, a mandrel-carrier, and a riveting mandrel journaled in said carrier to turn about its individual axis, said mandrel-carrier being carried by said rotary member with which it is coupled by arcuate tongue-and-groove connections that constrain the mandrel and its carrier to tilt about a point on the axis of said rotary member and on the individual axis of said mandrel in the rivet-engaging portion of the latter.

2,185,940
METHOD OF AND APPARATUS FOR VACUUM CRYSTALLIZING, OR VACUUM COOLING, BY FORCED BOILING
John W. Dudley, Jr., Parkersburg, W. Va.
Application January 24, 1938, Serial No. 186,754
15 Claims. (Cl. 62—152)



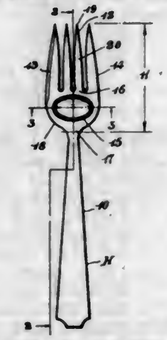
8. In the method of vacuum cooling of the types substantially as described; those steps, including promoting the formation of liquor vapor by forcing liquor boiling by low absolute pressure in the space over the liquor surface maintained by evacuation of said space; and increasing the liquor evaporation and cooling rates by flowing inert gas into said liquor by the suction of said low absolute pressure while measuring and controlling said gas inflow to substantially maintain a low predetermined ratio of mol weight rate of inflowing gas to mol weight rate of liquor vapor in said space, substantially constant, and to maintain said proportion of inflowing gas less than the volume necessary to substantially decrease the ratio of vapor pressure to absolute pressure in said space.

2,185,941
APPARATUS FOR MAKING SHOES
Alfred W. Dunn, Rochester, N. Y., assignor of one-half to Frederick S. Elam, Rochester, N. Y.
Application September 10, 1937, Serial No. 163,213
6 Claims. (Cl. 12—7)



1. In an apparatus of the class described, the combination of an adjustably movable end clamping member, an adjustably movable and operatively movable end clamping member opposite to and movable toward and away from said first end clamping member, operatively movable side clamping members, means for operatively moving said side clamping members and said second end clamping member in unison, supplementary clamping members operatively connected with said first end clamping members for adjustment therewith and operatively connected with said side clamping members for movement thereby and supplementary clamping members operatively connected with said second end clamping member for adjustment therewith and operatively connected with said side clamping members for movement thereby, a supporting bracket carried by said adjustably movable clamping member, a fixed cam, a last supporting pin carried by said bracket and movable over said cam on the adjustment of said adjustably movable clamping member so as to simultaneously raise and lower said supporting pin relative to said clamping members.

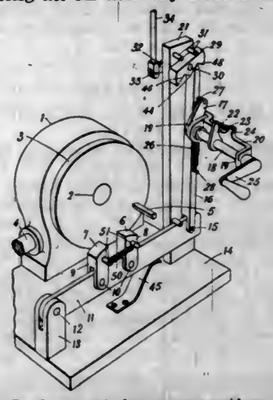
2,185,942
TABLE SERVICE
Charles William Frank, Harrisonburg, Va.
Application April 11, 1939, Serial No. 267,267
2 Claims. (Cl. 30—147)



1. A salad fork having a plurality of tines and a handle, a body portion joining the tines with the handle and formed with an elliptical depression for receiving pits and like unedible substances, with the major axis of the ellipse lying tranversely of the fork, said depression being relatively shallow and occupying a portion only of the body so as to leave a substantial part of the body on all sides of the depression following the normal curvature of the fork, the fork tines being of greater overall length than the body portion and functioning to convey food to the mouth of the user and the depression facilitating return of unedible substances from the mouth back to the plate.

2,185,943
APPARATUS FOR TESTING THE OUTPUT OF PUMPS
Leslie Hartridge, Ponders End, England
Application November 16, 1938, Serial No. 240,804
In Great Britain November 4, 1937
4 Claims. (Cl. 73—51)

1. In an apparatus for testing the output of the pumps of Diesel engines, a timing gear, a spring-pressed element mounted for pivotal movement adjacent the timing gear, cooperative means on the element and on the timing gear whereby the element is depressed against the action of its spring under predetermined movement of the timing gear, an arm carried by and responsive to element movement, a double-toothed member with which the upper end of the arm cooperates, means for directing oil into measuring flasks, said directing means being connected to and operated by the double-toothed member, the cooperation of the arm with one tooth of the double-toothed member setting an oil delivery means for cooperation with flasks and in cooperation with the other tooth moving the oil delivery means beyond delivery to the flasks, and manually operable setting means for setting the arm for cooperation with a particular tooth of the member.



2,185,944
FIRE-DETECTING CABLE
Willis Gerald Holmes, Pembroke, Mass.
Application May 26, 1939, Serial No. 275,971
4 Claims. (Cl. 200—143)



1. A cable of the type referred to comprising two conductors and insulation therebetween, at least one of the conductors being helically twisted around the other conductor and being formed of spring material to produce a tight pinching action on said insulation continuously throughout the length of the cable, the insulation being formed of material which breaks down in response to heat to permit the conductors to pinch together, and means restraining the conductors from untwisting, thereby to maintain said pinching action throughout the length of the cable.

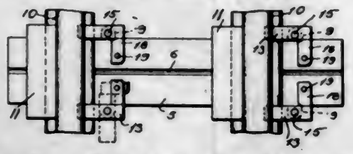
2,185,945
VEHICLE LICENSE PLATE
John P. Meehan, San Marino, Calif.
Application September 2, 1939, Serial No. 293,159
3 Claims. (Cl. 40—125)



1. A vehicle license plate of the class described, comprising: a flat metal plate having parallel straight side edges, parallel straight end edges and a medial field portion, said side and end edges being connected by curved corner portions each of which has a radius of not less than one-fourth the distance between said side edges, and an embossed bead surrounding the field por-

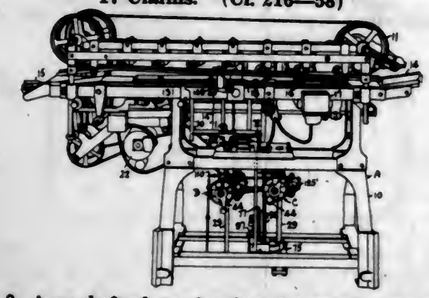
tion, said bead having curved corner portions closely adjacent and substantially parallel to the first mentioned respective curved corner portions, whereby to provide increased rigidity of the plate at and adjacent said corner portions, the arc of each corner extending substantially 90°.

2,185,946
MINE RAIL TIE AND RAIL SECURING DEVICE
James Morano and Sam Morano, Morgantown, W. Va.
Application February 3, 1939, Serial No. 254,471
1 Claim. (Cl. 238—60)



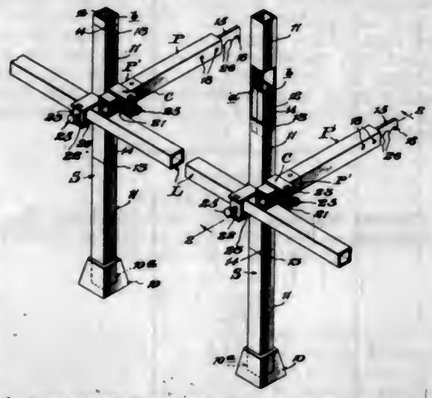
In a mine rail tie and rail securing device, a sheet metal tie having a central longitudinally extending depending reinforcing rib, the side edges of the tie being turned under and engaged with the bottom face of the tie to form reinforcing ribs with all of said ribs disposed in the same horizontal plane to facilitate ground anchoring of the tie, rail securing devices carried by the tie for each rail thereon comprising a rail engaging clamp rigid with the tie and a pair of rail engaging clamps respectively pivotally mounted at opposite side edges of the tie, the mountings for the pivoted clamps including ears projecting laterally of and in the plane of the tie, each pivotally mounted clamp including an overlying rail flange engaging arm and a lower cooperating rail flange engaging foot, and a pair of superposed spaced legs respectively disposed above and below said mounting ear with the lower side of the lower leg being in the plane of the lower sides of said tie ribs for frictional ground contact to prevent accidental pivotal movement of the clamp relative to the supporting ear and rail flange.

2,185,947
PACK FEED MECHANISM FOR LABELING MACHINES
Clifford H. Neer, Baltimore, Md., assignor to Burt Machine Company, Incorporated, Baltimore, Md., a corporation of Maryland
Application July 10, 1939, Serial No. 283,661
17 Claims. (Cl. 216—58)



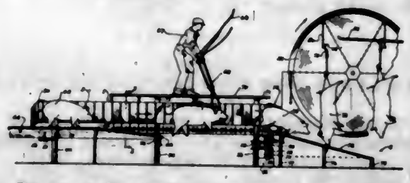
9. A pack feed mechanism for a labeling machine comprising a main feed for normally advancing the pack, an auxiliary feed movable into and out of feeding relation to the pack, said main feed being retractible from the pack upon movement of the auxiliary feed into feeding relation to the pack, whereby an additional pack may be furnished to the main feed, and means positively driving said main and auxiliary feeds.

2,185,948
SCAFFOLDING
Charles C. Pimm, West Somerville, Mass.
Application April 21, 1938, Serial No. 203,392
8 Claims. (Cl. 304—10)



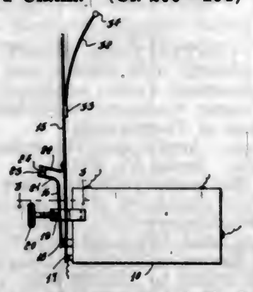
1. In a scaffolding, sectional extensions of hollow metal rectangular in cross-section for forming poles, and ledgers of the scaffolding, each of said extension lengths having one end opened and the other end formed with a reduced projection adapted to be inserted with a sliding fit into the said opened end of an adjacent extension, said projection being of a length to extend for a distance within the adjacent extension to form a rigid joint therewith and permitting the edges of adjacent extensions to abut each other, said projections being composed of a pair of channeled members arranged to have their channeled surfaces opposing and their adjacent edges abutting, and stay rods connecting the channel members and to their sectional extension.

2,185,949
HOG STUNNING PEN
Richard W. Regensburger, Chicago, Ill., assignor to Institute of American Meat Packers, Chicago, Ill., a corporation of Illinois
Application September 23, 1936, Serial No. 102,199
4 Claims. (Cl. 17—1)



1. In an animal stunning pen, in combination with a substantially V-shaped conveying means comprising a pair of opposed conveyors inclined downwardly and inwardly and spaced apart at their lower longitudinal edges, means adapted for supporting an animal wholly out of engagement with the conveyors during initial upright travel of the animal substantially centrally between and parallel with the opposed conveyors consisting of a fixed platform coextensive with a portion of the lower longitudinal edges of said conveyors.

2,185,950
ELECTRIC CONTACT DEVICE
Harm C. Rose, Franklin, Nebr.
Application February 3, 1938, Serial No. 188,580
1 Claim. (Cl. 200—164)



Switch means having a relatively long upstanding contact member adapted to be vibrated, a branch on said contact member extending at an angle away from the contact member midway of its ends, means to anchor the lower end of said contact member, a second contact, both of said contacts being conductors of electricity, said second contact extending in the same general direction as the first contact and having an outwardly offset portion coacting with the contact member, means to anchor the lower end of the second contact, guide means for the contacts surrounding them intermediate their anchored ends and said offset portion, means on the guide means operable against the second mentioned contact to adjust the postion thereof, and a weighted spring arm extending from the first mentioned contact adjacent the upper end thereof.

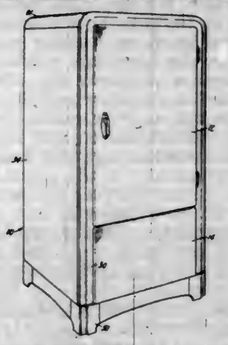
2,185,951
PROCESS FOR THE PRODUCTION OF POLYMERIZED UNSATURATED HYDROCARBONS
Fritz Rostler and Vilma Mehner, Vienna, Austria, assignors to Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner 'schen Verfahren m. b. H., Vienna, Germany, a corporation of Austria, now Germany
No Drawing. Application June 19, 1937, Serial No. 149,183. In Austria June 26, 1936
10 Claims. (Cl. 196—148)

1. A process for the production of polymerized unsaturated hydrocarbons soluble in sulfuric acid and adapted for inclusion in large quantities in rubber mixtures and vulcanizable therewith, which comprises mixing acid sludge obtained in the sulfuric acid refining of mineral oil distillates, and substantially free from suspended and emulsified neutral oils, with an alkaline inorganic neutralizing agent selected from the group consisting of oxides, hydroxides and carbonates of alkali and alkali earth metals, said agent being employed in a quantity sufficient to combine with sulfuric acid present in the sludge in free and combined form, and mixing therewith sufficient liquid to maintain the mixture in a liquid state, the admixed liquid being adapted to facilitate heat transfer to and reaction of the sludge and neutralizing agent and separation of the resulting reaction products, agitating the mixture and heating it to cause reaction between the said neutralizing agent and said sulfuric acid of the sludge and thereby forming an inorganic reaction product containing said sulfuric acid and also forming a substantially acid-free organic reaction product containing said polymerized unsaturated hydrocarbons, separating the organic reaction product from said inorganic reaction product and said liquid, and recovering said unsaturated hydrocarbons from the separated organic reaction product, the said unsaturated hydrocarbons having boiling points between 150° C. and 380° C., and the temperatures employed throughout the process being maintained in the range below about 380° C.

2,185,952
METHOD OF MAKING UNSATURATED HYDROCARBONS
Fritz Rostler and Vilma Mehner, Vienna, Germany, assignors to Naftolen-Gesellschaft zur Verwertung der Rostler-Mehner'schen Verfahren m. b. H., Vienna, Germany, a corporation of Austria, now Germany
No Drawing. Application July 21, 1938, Serial No. 220,584. In Austria May 4, 1932
14 Claims. (Cl. 196—148)

1. The method of producing new and valuable unsaturated hydrocarbons, which comprises mixing acid sludge from the sulfuric acid refining of petroleum oils with an inorganic alkaline reagent selected from the group consisting of oxides, hydroxides and carbonates of alkali and alkali earth metals, said reagent being employed in a quantity in excess of that required to combine with all of the sulfur present in the sludge, calculated as SO_3, heating the mixture to effect thermolytic conversion into a substantially inorganic non-volatile fraction and an unsaturated hydrocarbon fraction, recovering said hydrocarbon fraction from the reaction mixture by a procedure including distillation under conditions of low partial pressure, and keeping the temperature of the said hydrocarbon fraction in the range below about 360° C. throughout the process.

2,185,953
REFRIGERATOR
Louis Ruthenburg, Birmingham, Mich., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 23, 1935, Serial No. 7,667
10 Claims. (Cl. 220—9)



1. A refrigerator cabinet including a front sheet metal panel shaped to form the top and side front corners of the cabinet, the outer edge of said panel being formed with a shallow inward L-shaped flange, a top sheet metal panel forming the upper side corners of the cabinet and having its forward and side edges folded inwardly and provided with tabs folded reversely in the form of a flat S, and side panels also having shallow inward L-shaped flanges along their upper edges and having their forward edges folded inwardly and provided with tabs folded

reversely in the form of a flat S, the forward edges of the top and side panels being locked beneath the outer edge of said front panel with the upper loop of said S folds lying in said shallow L-shaped flange and the lower loop of said folds comprising said tabs engaging beneath said L-shaped flange, and the upper edges of said side panels being locked beneath the side edges of said top panel with the L-shaped flanges engaged by said tabs comprising the lower loop of said S folds.

2,185,954

IMPREGNATION OF PAPER OR OTHER MATERIALS, MORE ESPECIALLY FOR THE PROTECTION OF VEGETABLE AND ANIMAL GOODS DURING STORAGE

Arthur Ryner, London, England, assignor to Preservators Limited, London, England, a company of Great Britain

No Drawing. Application September 29, 1937, Serial No. 166,457. In Great Britain October 2, 1936

11 Claims. (Cl. 91—68)

1. Wrapping, packing and like materials for use in association with vegetable and animal goods to protect them during storage comprising a carrier material carrying a complex compound of a metal with ammonia and an acid radical which evolves ammonia when subjected to the action of carbon dioxide.

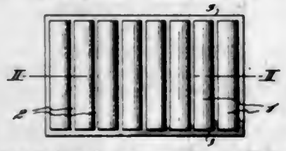
2,185,955

SCREENING PLATE WITH CHANNELS

Lauritz Benedictus Schibbye, Svartvik, Sweden, assignor to Linköpings Armatur-Och Metallfabriks Aktiebolag, Linkoping, Sweden

Application January 30, 1936, Serial No. 61,623 In Sweden February 6, 1935

2 Claims. (Cl. 92—30)



1. In apparatus for screening cellulose fiber, a screening plate comprising a plurality of raised portions spaced from each other and extending substantially in the direction in which the cellulose fiber is to be moved over the screening plate, said raised portions having openings therein to cause fibers to pass therethrough, the portions of said screening plate between said raised portions providing channels having solid bottom surfaces extending substantially in the direction in which the fiber is to be moved over the screening plate whereby the fibers which will not pass through said openings fall into said channels for movement over the screening plate and an extension arranged at the ends of said raised portions substantially in alignment with the bottom of the channels so that the fibers in the channels may spread on the extension.

2,185,956

ALLOY

Elmore S. Strang, New Haven, and Richard O. Farmer, Seymour, Conn., and Edward H. Koenig, West Orange, N. J., assignors to The New Haven Copper Company, Seymour, Conn., a corporation of Connecticut

No Drawing. Application August 10, 1938, Serial No. 224,136

4 Claims. (Cl. 75—159)

1. An alloy composed of from 1–5% silicon, approximately one-half of one per cent each of nickel, iron and manganese, and the balance substantially all copper, which is corrosion and abrasion resistant.

2,185,957

COPPER BASE ALLOY

Elmore S. Strang, New Haven, and Richard O. Farmer, Seymour, Conn., assignors to The New Haven Copper Company, Seymour, Conn., a corporation of Connecticut

No Drawing. Application December 13, 1938, Serial No. 245,409

4 Claims. (Cl. 75—159)

1. An alloy composed of approximately 3.5% silicon, approximately 0.5% nickel, approximately 1.0% iron and approximately 95.0% copper, said alloy having a tensile strength range of from about 70,000 to 118,000 PSI, a yield point range of from about 30,000 to 65,000 PSI, a modulus of elasticity of about 16.6×10^6, and an elongation range of from about 2 to 47% in two inches.

2,185,958

COPPER BASE ALLOY

Elmore S. Strang and Edward H. Koenig, New Haven, Conn., assignors to The New Haven Copper Company, Seymour, Conn., a corporation of Connecticut

Application December 13, 1938, Serial No. 245,410

3 Claims. (Cl. 75—159)

1. An alloy composed of approximately 3.5% silicon, approximately 1.0% nickel and approximately 95.5% copper, said alloy having a tensile strength range from about 65,000 to 118,000 PSI, a yield point range from about 18,000 to 78,000 PSI, a modulus of elasticity of 17.4×10^6, and an elongation range of from about 2 to 60% in two inches.

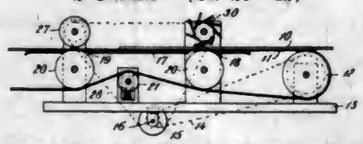
2,185,959

ASBESTOS CEMENT MANUFACTURE

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey

Application February 27, 1937, Serial No. 128,144 In Denmark March 2, 1936

2 Claims. (Cl. 25—42)



1. Apparatus for the treatment of asbestos cement products which comprises a traveling support for the products, a roller having a plurality of resilient members extending tangentially therefrom, the members having flat free ends of substantial area, a mounting in which the roller is supported for rotation with its axis transverse to the direction of travel of said traveling support, the position of the roller relative to the support being such that the members engage the surfaces of the products on the support and are flexed, and means for rotating the roller in a direction such that the members in contact with the products move along the surfaces thereof in a direction opposite to the direction of travel of said surfaces, the members consolidating the surface material of the products and closing the pores in said surfaces in their movement.

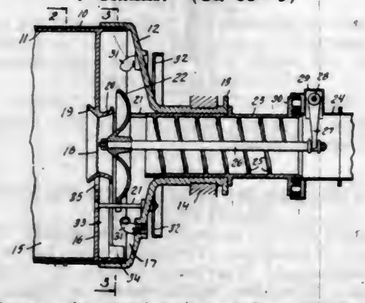
2,185,960

MILL

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application September 1, 1937, Serial No. 161,885 In Great Britain September 7, 1936

7 Claims. (Cl. 83—9)



4. In an air-swept rotary tube mill the combination of a rotary grinding chamber and a rotary separation chamber separated by a partition having an opening for the passage of air and material from the grinding chamber to the separation chamber, a deflector in the separation chamber for producing outward radial movement of the air entering the separation chamber through said opening, a plurality of air nozzles for directing air into the separation chamber in the vicinity of the deflector and in a direction circumferentially of the mill to produce rotational movement of the deflected stream of air and material, and means for returning to the grinding chamber the coarser material thrown outwardly by such rotational movement.

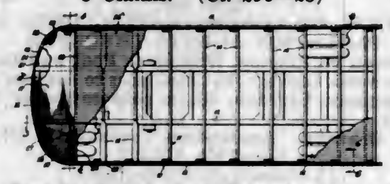
2,185,961

TRUCK OR TRAILER FRONT CONSTRUCTION

James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware

Application May 6, 1938, Serial No. 206,440

8 Claims. (Cl. 296—28)



1. In a trailer or truck body frame, a pair of longitudinal side members, a plurality of cross members, a floor for said frame, a wall for said body secured to said frame, and an end section comprising a sheet metal form including a continuous side flange abutting said longitudinal side members, in alignment therewith, a floor section, and an inset portion about the edge of said end section receiving the lower edge of the wall of said body.

2,185,962

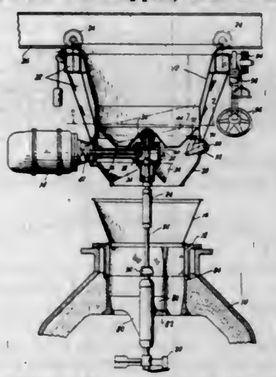
DIGESTER APPARATUS

James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application January 23, 1937, Serial No. 121,916

11 Claims. (Cl. 214—17)

1. In combination with a chip distributing mechanism for digesters, a hopper, a rotatable chip feeder in the hopper, and a tiltable feed



regulator adjustably secured to the hopper and positioned around the feeder.

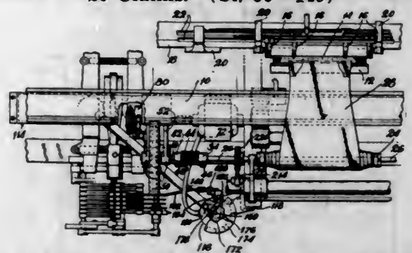
2,185,963

TENSION-REGULATING DEVICE FOR THE DRAW-OFF MECHANISM OF FULL-FASHIONED KNITTING MACHINES

Fritz Lambach, Fairview, N. J., assignor to Robert Reiner, Inc., Weehawken, N. J.

Application September 20, 1938, Serial No. 230,845

20 Claims. (Cl. 66—149)



1. An attachment for a full-fashioned knitting machine provided with a fabric take-up reel, comprising electrical means adapted to be connected to said take-up reel for applying tension thereto, and an automatic electrical control mechanism associated with said electrical means for causing same to apply different degrees of tension to said take-up reel in dependence on the progress of the knitting of the full-fashioned fabric during the operation of the knitting machine.

2,185,964

HEAT EXCHANGE APPARATUS

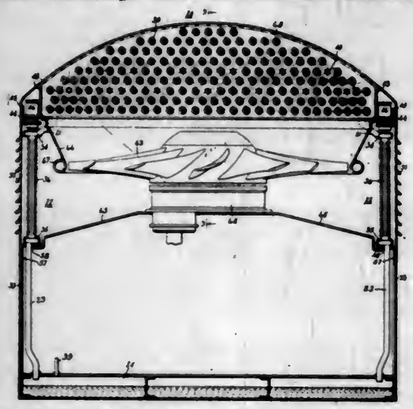
Anthony J. Larrecq, Beach Bluff, Mass., assignor to General Electric Company, a corporation of New York

Application February 17, 1938, Serial No. 191,047

12 Claims. (Cl. 257—25)

3. In a motor vehicle having an elastic fluid engine, means for condensing the elastic fluid exhaust from said engine, said means including a main condenser unit resiliently supported adjacent the roof of said compartment, said heat exchanger including longitudinally spaced apart inlet and outlet headers, heat exchanging tubing communicating with said headers and sloping from the inlet to the outlet header, a pair of after-cooler sections resiliently arranged along opposite walls of said compartment connected with said main condenser unit, said after-coolers

comprising upper and lower headers, a plurality of heat exchange tubes between said headers, a

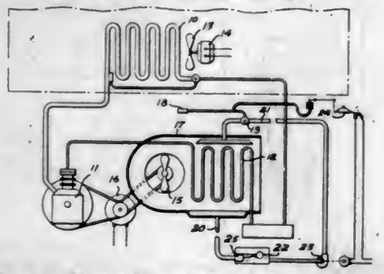


reservoir for condensate in the floor of the compartment and a conduit for draining said lower headers of said after-coolers into said reservoir.

2,185,965
REFRIGERATING APPARATUS

Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 31, 1935, Serial No. 34,024
5 Claims. (Cl. 62—115)



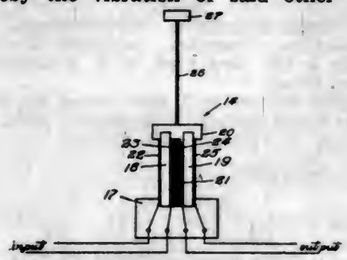
1. In a refrigerating apparatus, a refrigerant evaporator, a refrigerant translating device and a refrigerant condenser in refrigerant flow relationship, means for flowing a cooling fluid over said condenser independently of operation of said translating device, and means for increasing the cooling action of said cooling fluid in response to an increase in the temperature on said condenser, said last named means including means for spraying a cooling liquid over said condenser and a valve for controlling the flow of said fluid.

2,185,966
VIBRATORY ELEMENT

Carl Pfanstiehl, Highland Park, Ill., assignor of one-half to Henry B. Babson

Application May 21, 1938, Serial No. 209,331
4 Claims. (Cl. 178—44)

1. Apparatus of the character described for separating undesired current impulses from an alternating current wave of a fixed frequency in the audio range, including: two vibratory elements, at least one of said elements being loaded with a mass of sufficient weight to damp out substantially all vibrations except those to which it is resonant, the resonant frequency being the same as the frequency of the wave; mechanical means interconnecting said element; means whereby said current vibrates one of said elements to effect vibration of the other; and means whereby the vibration of said other element



generates a current substantially free from said undesired impulses.

2,185,967
LINOXIN-LIKE MATERIAL AND PROCESS OF MANUFACTURE

Remmet Priester, Deventer, Netherlands, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands, a company of the Netherlands

No Drawing. Application January 15, 1936, Serial No. 59,317
18 Claims. (Cl. 260—406)

1. In the process of producing a new linoxin-like material, the steps which comprises blowing with air an oil having drying properties sufficiently to greatly increase the viscosity of the oil, and then treating the same with an amount of a strong non-oxidizing oxygen-containing acid not substantially over 2% by thoroughly mixing the same, and allowing the product to stand until it is converted into a jelly-like mass.

16. As a new product, a linoxin substitute which has properties in general simulating the properties of real linoxin, but which contains reaction products of a blown oil having some drying properties, with about 0.2 to 2% of a strong acid selected from the group consisting of sulphuric acid, phosphoric acid and strong sulphonic acids, and which product is capable of being incorporated with fillers and pigments, to produce a linoleum-like product, which is resistant to washing with water and alkaline detergents.

2,185,968
PROCESS OF CONCENTRATING ORES AND FLOTATION AGENTS THEREFOR

Anderson W. Ralston, William O. Pool, and James Harwood, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 1, 1937, Serial No. 172,284
6 Claims. (Cl. 209—166)

1. The process of concentrating ores which comprises subjecting the ore to froth flotation separation in the presence of a mixture of saturated and unsaturated aliphatic amines having from three to ten carbon atoms and saturated and unsaturated aliphatic straight-chain hydrocarbons.

2,185,969
CLEAR AQUEOUS SOLUTIONS OF LIPINS AND PROCESS OF PREPARING THE SAME

Hermann Eduard Schultze, Marbach, near Marburg/Lahn, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

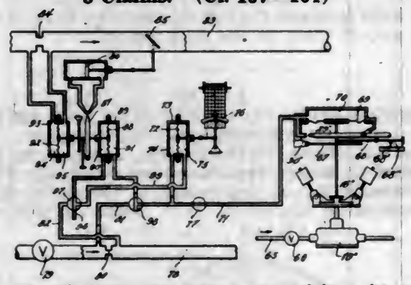
No Drawing. Application September 29, 1936, Serial No. 103,206. In Germany May 24, 1935
9 Claims. (Cl. 167—65)

1. Process which comprises heating 1 part of cholesterol and 3 parts of cholesterol oleyl acid ester in a physiological sodium chloride solution containing 6 parts of polyethyleneglycololeyl ether and a small quantity of chloroform and subsequently eliminating substantially all the chloroform.

2,185,970
APPARATUS FOR CONTROLLING THE FLOW OF FLUIDS

Herbert Ziebolz, Chicago, Ill., assignor to Askania-Werke A. G., a corporation of Germany

Application December 21, 1936, Serial No. 117,041
8 Claims. (Cl. 137—164)

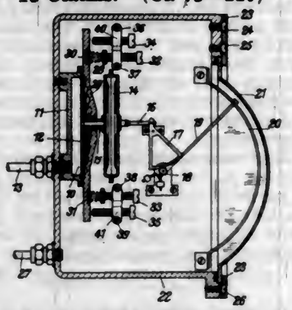


1. Regulating apparatus comprising, in combination, a fuel conduit; a rotary flow motor in said conduit; a fly-ball governor connected to be operated by said flow motor; a pressure fluid relay controlled by said governor; an air conduit; a constriction in said air conduit; means responsive to a differential pressure taken at the constriction and connected to act on said relay in opposition to said governor; and means actuated by said relay for varying the flow of air through said conduit.

2,185,971
FLUID PRESSURE RESPONSIVE INSTRUMENT

Georg Achtel, Karl Schilling, and Kurt Misch, Berlin, Germany, assignors to Askania-Werke A. G., a corporation of Germany

Application June 11, 1937, Serial No. 147,798
In Germany June 15, 1936
13 Claims. (Cl. 73—110)



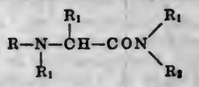
1. Pressure responsive instrument comprising, in combination, a first pressure responsive capsule connected to be acted upon by a pressure impulse; a second pressure responsive capsule connected to be moved by, and to communicate with, the first capsule; a stop member associated with one of said pressure responsive capsules to limit the movement thereof and at least partly relieve it from the force created by the pressure impulse; and indicator means connected to be actuated by said second pressure responsive capsule.

2,185,972
AROMATIC ARSONIC AND STIBONIC ACIDS

Max Bockmühl and Gustav Ehrhart, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 3, 1936, Serial No. 109,060. In Germany November 9, 1935
5 Claims. (Cl. 260—443)

1. Compounds of the following general formula:

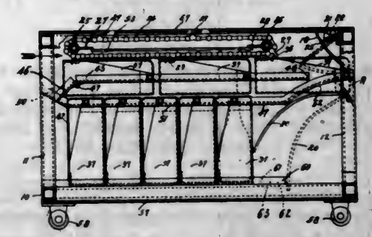


wherein R stands for a radical of the benzene series containing a substituent of the group consisting of the arsonic and stibonic acid radicals, R_1 stands for a member of the group consisting of hydrogen, alkyl and lower hydroxyalkyl, and R_2 stands for an hydroxyalkyl having at least two hydroxyl groups and containing up to 6 carbon atoms, said compounds being white powders readily soluble in water, sparingly soluble in alcohol and charring, when heated, without melting.

2,185,973
CONVEYING MECHANISM

Floyd A. Browne, Cleveland, Ohio, assignor of one-half to J. D. Overholt, Wooster, Ohio

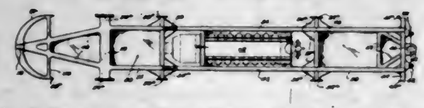
Application December 23, 1938, Serial No. 247,411
3 Claims. (Cl. 198—1)



1. A device of the class described comprising a supporting structure, oppositely positioned tracks therein, an upper longitudinally extending level track having at one end thereof an inclined hinged switching means, a sectionalized lower track comprising an upwardly inclined end portion, a longitudinally extending level portion in parallelism with the upper level track and an arcuate upwardly extending end portion, the hinged inclined switching means adapted to rest upon the lower track, a medially situated longitudinally extending guideway fixed to the supporting structure and above the upper track, brackets fixed to the guideway, sprocket wheels supported and journaled in the aforesaid brackets, an endless actuator guided through the guideway and supported thereby and trained over the sprocket wheels, bifurcated coupling means operatively associated with the endless actuator in spaced relationship therearound on the outer periphery thereof and adapted to be independently releasably connected to a receptacle, an independently controlled guiding and positioning means positioned at the end of and in the supporting structure, a plurality of receptacles having oppositely positioned rollers, some of the aforesaid plurality of receptacles being positioned horizontally in the upper track and being jointly supported through the instrumentality of the endless actuator and the rollers on the track, while others of the said plurality are supported by the rollers on the lower track, the

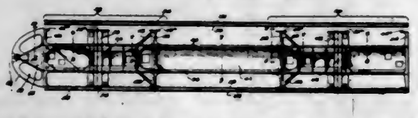
independent guiding and positioning means being actuated by a released receptacle from the endless actuator, the released receptacle being automatically positioned in a vertical position through said actuation of the said guiding and positioning means, and means to return the aforesaid previously functioning guiding and positioning means automatically to inactivity.

2,185,974
TRACTOR UNIT
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1937, Serial No. 140,328
10 Claims. (Cl. 105—414)



1. A tractor unit of the class described comprising a pair of truss type side frames supported adjacent the ends thereof and a power plant supporting underframe section, said underframe section being suspended from said side frames, the suspending means comprising needle beams extended outwardly to the side frames and rigidly secured thereto, whereby the vertical loads between the points of suspension of the underframe section are carried by the side frames.

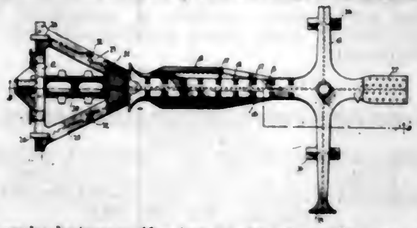
2,185,975
TRACTOR UNIT
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 4, 1937, Serial No. 140,591
13 Claims. (Cl. 105—414)



1. A multiple engine tractor unit of the class described, having an underframe with substantially duplicate engine bed portions, and a closed car body structure mounted on said underframe, said car structure comprising trussed side frame members, including vertical struts and longitudinal chords and tied strongly into the underframe in the region of the engine bed portions and adapted to take the vertical load stress between the two engine bed portions, the underframe between said engine bed portions being of decreased vertical depth and acting primarily to take longitudinal loads.

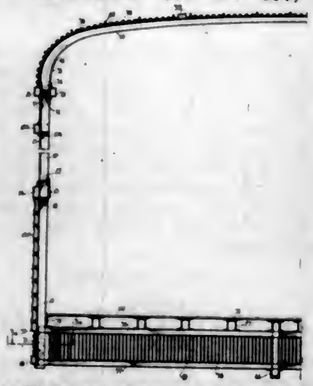
2,185,976
UNDERFRAME
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 5, 1937, Serial No. 140,804
8 Claims. (Cl. 105—414)

1. An underframe member of the class described having a bolster, an end sill and a longitudinally extending member joining them, said longitudinally extending member being of I-cross section throughout its major portion, the I-cross section being modified in the region between its ends by a vertical web of decreased height and a downward extension of the bottom flanges of the I to form a draft gear housing, and reinforc-



ing webs between the top and bottom flanges and the web of the I in the said region.

2,185,977
VEHICLE BODY CONSTRUCTION AND METHOD OF ASSEMBLING THE SAME
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 20, 1934, Serial No. 740,544
26 Claims. (Cl. 105—397)



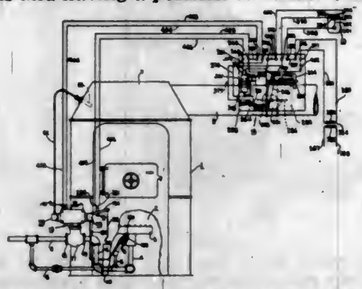
11. A vehicle body having its walls fabricated of truss structures built up in large part of light hollow section members spot welded together, said structure including side walls having a door opening therein and a composite beam extending the length of the body above the door opening and comprising a pair of channels arranged with the bottom walls back to back and secured together, and a pair of flanged channel members each overlapping through its flanges the adjacent side walls of the first-named channels and secured thereto.

22. A final assembly joint between roof and side units of a rail car body having complementary parts of the joint carried by the respective units, one of said complementary parts common to the adjacent units being an overlapping channel shaped final moulding strip.

2,185,978
HEATING APPARATUS
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 3, 1936, Serial No. 83,232
8 Claims. (Cl. 236—1)

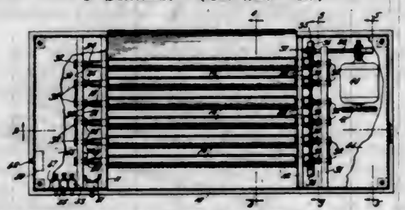
2. In a heating apparatus, fuel supply means, means operable to actuate said supply means, a flow controlling damper, means operable to actuate said damper, temperature responsive means having a first position for rendering said supply

actuating means effective and having a second position for rendering said damper actuating means effective to close said damper, safety means operable upon actuation of said supply means and having a position to render control by



said responsive means ineffective in said second position, and a second safety means operable with said damper and having a position to render control by said responsive means ineffective in said first position.

2,185,979
ROASTING DEVICE
Joseph Arthur Dumas, Brooklyn, N. Y., assignor of one-half to Romaine B. Stoker, Mount Vernon, N. Y.
Application August 5, 1939, Serial No. 288,544
5 Claims. (Cl. 219—19)



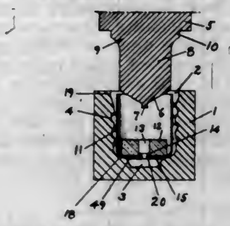
5. A roasting machine for frankfurters or the like comprising a plurality of parallel rolls spaced to receive and support said frankfurters therebetween, means driving all of said rolls in the same direction for causing said frankfurters to be continuously turned as they are roasted thereby, electrical heating elements disposed in each of said rolls, means normally connecting all of said elements in series, a supply line for supplying heating current thereto and switch means associated with said device for disconnecting certain of said rolls and connecting the remaining elements in series across said line for supplying increased heating current to said certain elements.

2,185,980
COIN CHUTE
Bernhard C. Grunig, Chicago, Ill., assignor to A. B. T. Manufacturing Company, Chicago, Ill.
Application December 16, 1937, Serial No. 180,188
1 Claim. (Cl. 194—1)



In a coin slide of the class described, a coin slide structure and mounting means therefor comprising a pair of complementary sleeve-forming members of elongated form, one of which has a pair of longitudinally extending grooves adjacent its opposite long edges, and the other of which is recessed to provide in assembled relation with the first-mentioned member a mounting sleeve for a coin slide member, means for securing said complementary members in assembled relation, and a coin slide of elongated form having opposite longitudinal edges turned up so that the slide is substantially channel-shaped in cross section; said slide being fitted into said sleeve with each of said up-turned edges fitting closely into one of said grooves in the first-mentioned sleeve-forming member and the side of said slide opposite said edges fitting closely into said recessed part of the other sleeve-forming member, whereby said slide is supported for smooth sliding movement and is rigidified against lateral stresses.

2,185,981
CONTACTOR BASE FOR ELECTRIC LAMPS, TUBES, AND THE LIKE
Cyrus W. Haller, Marblehead, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application April 10, 1939, Serial No. 267,025
6 Claims. (Cl. 176—32)

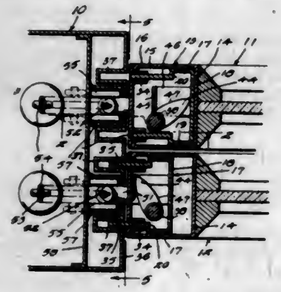


1. A contactor base for lamps and the like, said base comprising a main hollow cup-like thin-walled member of thermally-set insulation, the cylindrical portion of said member containing screw threads on the cylindrical portion of its external surface, a correspondingly threaded thin metal cylindrical shell integrally bonded to said surface, said metal shell extending to but not beyond the top of the cup-like member and extending toward but spaced from the bottom of said cup-like member, an eyeletted flat metal contact disk integrally bonded to the bottom of said cup-like insulating shell and out of contact with said metal shell, the eyelet in said disk being in register with a small hole in the bottom of the insulating shell and being flared outward in the insulating shell for bonding purposes, the eyelet extending upward into the circumference of the hole, the disk having small ribs extending from its circumference upward into the insulating cup for bonding purposes, the cup-like shell of insulation being flared outward at its top to meet the top of the cylindrical metal shell.

2,185,982
COMBINED SLIDING AND SWINGING WINDOW
Charles E. Hassert, Cincinnati, Ohio, assignor of one-half to William J. Schneider, Cincinnati, Ohio
Application April 7, 1939, Serial No. 266,662
3 Claims. (Cl. 189—167)

1. In a window including a window frame and a sash frame, a guide channel on each vertical side of said window frame, an L-shaped shaft for each channel having one leg thereof vertical and engaging in a channel and the other leg thereof horizontal and projecting outwardly of

the channel, a pair of slide plates fixed to the vertical leg of each shaft and slidable in a guide channel, a bearing member carried by each vertical side of said sash frame and engaging a horizontal leg of a shaft to swingably secure the sash frame to said shafts, a pair of locking channels disposed one on each side of said guide channel, a horizontally shiftable member carried by each vertical side of said sash frame, a pair of sash



locking members fixed to said latter member and projectable into said locking channels to thereby lock said sash frame against swinging movement, a vertically disposed shaft rotatably carried by each side of said sash frame, a plurality of vertically spaced apart cam members fixed to said shaft, and means carried by said horizontally shiftable member engageable with said cams to thereby shift said latter member upon rotation of said shaft.

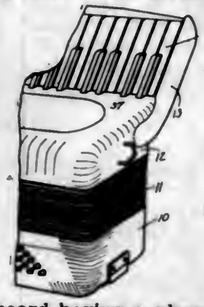
2,185,983
DECALCOMANIA
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., a corporation of Delaware
Original application August 7, 1935, Serial No. 35,174. Divided and this application December 29, 1938, Serial No. 248,324
11 Claims. (Cl. 41—33)



7. A decalcomania product comprising: a plurality of paper sheets, colored adhesive between said sheets, adhesive over one of said sheets, a transfer body over said last-mentioned adhesive and an imprint on said body, said colored adhesive being water-soluble and tending to color said paper sheets when the water is brought into contact with said sheets.

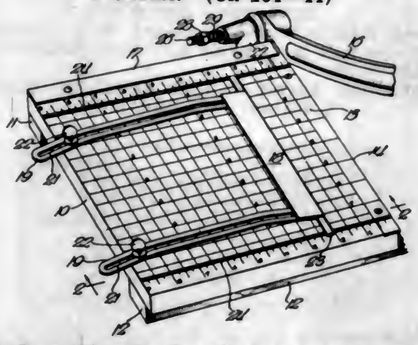
2,185,984
ACCORDION CONSTRUCTION
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application October 19, 1938, Serial No. 235,720
7 Claims. (Cl. 84—376)

1. An accordion having a bass section, said section comprising an integral one-piece housing formed of sheet plastic material including end and back walls, a bottom board and a piston board, said piston board portion having a plurality of apertures therein, a valve board removably secured to the integral walls within said housing, and a bass action assembly supported



by said valve board having a plurality of piston keys freely extending through said apertures.

2,185,985
TRIMMING BOARD
Frank M. Lund, Chicago, Ill., assignor of fifty per cent to Adolph I. Blanc, Chicago, Ill.
Application June 10, 1939, Serial No. 278,474
4 Claims. (Cl. 164—44)

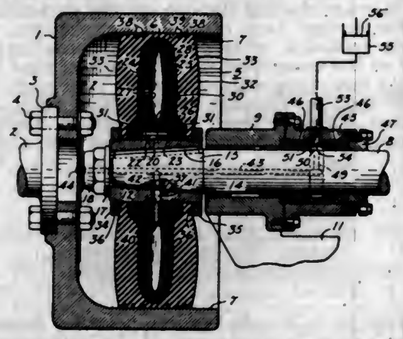


1. In a trimming board of the character described a rectangular base member having a plane top face and a metal cutting edge along one side thereof, a cutting knife pivoted to said base member near one end of said cutting edge, a straight edge abutment running along one side of said base member at right angles to said cutting edge, a guide member having a stop strip below it set back from the guide member to leave a transverse recess facing said cutting edge, underneath which recess one edge of a paper sheet may extend, a pair of guide and and supporting rods having their ends secured to the guide member, said guides bifurcated to form a longitudinal slot, and extending in a direction away from the cutting edge, and fastening means extending through said slots and threaded in the base member near one edge thereof, whereby to hold the guide member in any selected position with respect to the cutting edge on said plane top surface.

2,185,986
CLUTCH
William C. McCoy, Shaker Heights, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 7, 1937, Serial No. 178,553
19 Claims. (Cl. 192—88)

1. A driving connection comprising a pair of rotatable members, a hollow flexible annulus between the members, said annulus being secured

to one of the members and formed to normally maintain frictional engagement with the other member through inherent elasticity, means for applying a fluid pressure internally of the an-



nulus, and the annulus arranged to be deformed by said pressure and disengaged from the member with which it is normally frictionally engaged.

2,185,987
CORROSION RESISTANT FERROUS ALLOY
James A. Parsons, Jr., Dayton, Ohio, assignor to The Durion Company, Inc., Dayton, Ohio, a corporation of New York
No Drawing. Original application December 28, 1935, Serial No. 56,586. Divided and this application October 14, 1939, Serial No. 299,539
2 Claims. (Cl. 75—125)

1. An alloy comprising the following elements in proportions falling within range of percentages substantially as follows:

	Per cent
Nickel	23.00 to 30.00
Chromium	17.00 to 22.00
Silicon	0.50 to 2.00
Copper	3.00 to 5.00
Molybdenum	2.00 to 4.00
Carbon up to	0.12

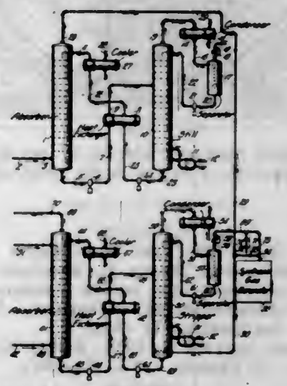
the remainder to make 100 per cent being practically all iron, which must always be the principal constituent, and molybdenum always predominating over silicon, while the sum of the two never substantially exceeds 5 per cent; said alloy being resistant to corrosion, having good casting properties and good cold bending properties as cast, a standard test specimen as cast withstanding a cold bend of at least 90° without failure.

2,185,988
ENGINE BED UNDERFRAME
Earl J. W. Ragsdale, Norristown, and Albert G. Dean, Narberth, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 13, 1936, Serial No. 74,134
Renewed June 21, 1939
21 Claims. (Cl. 105—414)



1. An integral front end underframe for a rail car which comprises shallow cellular bumper, bolster, and needle beam elements and longitudinally extending and upwardly projecting web sill elements tying said shallow cellular elements together and supporting an engine and generator thereon, said web sill elements being of substantially I-section, the top flange of which is a top chord of a truss, said underframe consisting of a plurality of plates welded together.

2,185,989
METHOD OF PREPARING MIXTURES OF CARBON MONOXIDE AND HYDROGEN
George Roberts, Jr., Montclair, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application August 19, 1938, Serial No. 225,755
6 Claims. (Cl. 23—212)

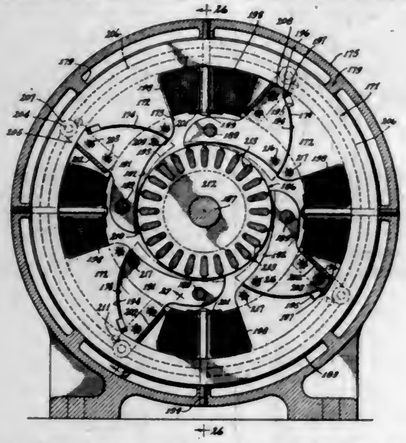


1. A method of preparing a mixture of carbon monoxide and hydrogen for catalytic synthesis including the steps of desulfurizing methane to remove objectionable sulfur compounds, subjecting a carbon dioxide-bearing gas to absorption by an absorption menstruum selective to carbon dioxide in an absorption zone, stripping the absorbed carbon dioxide from the absorption menstruum by means of the methane removed from the desulfurizing zone and thereby forming a mixture of carbon dioxide and methane, generating the desired synthesis gas comprising carbon monoxide and hydrogen by heating said mixture of carbon dioxide and methane in a synthesis gas generating zone at temperatures above 1500° F. in the presence of a catalyst.

2,185,990
INDUCTION MOTOR
Jacob H. Schurch, Los Angeles, Calif., assignor of one-half to William H. Heise, Los Angeles, Calif.
Application October 30, 1937, Serial No. 171,948
12 Claims. (Cl. 172—278)

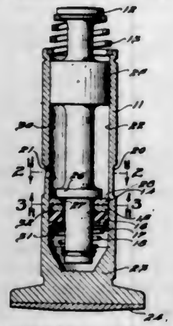
1. A self-starting single-phase induction motor which comprises: a rotor having a core; and a stator whose core is provided with a pair of pole members defining magnetic poles of opposite polarity and having faces extending peripherally and axially with respect to said rotor and spaced radially therefrom, said rotor core and stator core providing a magnetic circuit which includes said pole members, at least one of said pole members comprising a portion which is movable to an outer position in which the magnetic flux through peripherally successive axially extending portions of the face of said one pole member progressively increases in a peripheral

direction and exerts a starting torque on said rotor and to an inner position in which the reluc-



tance of said magnetic circuit is less than when said pole portion is in said outer position.

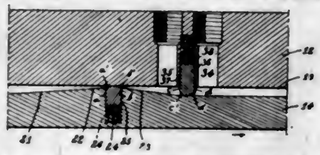
2,185,991
TAPPET CONSTRUCTION
Carl Voorhies and Harry E. Voorhies, Detroit, Mich., assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 3, 1936, Serial No. 94,040
19 Claims. (Cl. 123—90)



1. In a valve tappet, the combination of a cylindrical body provided with a longitudinal bore, said body being closed at one end and open at the other, a plunger disposed in said bore and means including a yieldable but substantially incompressible element composed of rubber-like substance for causing a lagging or retardation in movement of said plunger relative to said cylindrical body when forces acting axially upon opposite ends of said tappet are changed.

2,185,992
ROTARY PUMP
Charles L. Cady, Rockford, Ill., assignor of forty per cent to Homer J. Yaw, Rockford, Ill.
Application October 7, 1938, Serial No. 233,703
3 Claims. (Cl. 103—139)

1. A rotary pump comprising a casing, stator and rotor elements relatively rotatable in said casing, one having a flat face and the other a helical form of face in opposing relation thereto with the high point close to but spaced from said flat face, a spring pressed vane radially disposed relative to said elements and slidable with a close working fit in a radial groove provided therefor in the flat faced element and projecting from said flat face and having slidable sealing engagement on the helical face of the other element, the spring actuation of said vane compensating for wear of the contacting surfaces of said vane and helical face, means providing for inlet and outlet of fluid on opposite sides of said vane, and another spring pressed vane radially disposed relative to said elements and slidable with a close



working fit in a radial groove provided therefor in the helical faced element at the high point of its helix and projecting therefrom and having slidable sealing engagement on said flat face, the spring actuation of said vane compensating for wear of the contacting surfaces of said vane and flat face while providing the yieldability necessary in the sliding of one vane over the other in the turning of the rotor, at least the leading longitudinal edge portion of the moving vane and the trailing longitudinal edge portion of the other vane being chamfered on their exposed portions substantially as and for the purposes described.

2,185,993
SHOE MANUFACTURE
David I. Haskell, Augusta, Maine
Application November 20, 1937, Serial No. 175,717
8 Claims. (Cl. 12—142)

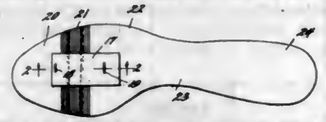


1. The method of making shoes which comprises supplying an innersole shorter than the last and having a transverse portion of elastic material disposed in the zone between its ball and toe portions and assembling said innersole on a last comprising the steps of tacking the toe of said innersole on the last and in registry with the toe of the last, stretching said innersole to the length of the last and tacking the same to the last.

2,185,994
SHOE MANUFACTURE
David I. Haskell, Augusta, Maine
Application December 21, 1937, Serial No. 181,049
18 Claims. (Cl. 12—142)

1. An innersole having an expanded expansible contractible portion in a zone which is to be

flexed in the act of walking, the expanded portion having stored energy for contracting the in-



sole when unrestrained, and removable means holding said portion against contracting.

2,185,995
SHOE MANUFACTURE
David I. Haskell, Augusta, Maine
Application November 22, 1937, Serial No. 175,940
4 Claims. (Cl. 12—142)

1. The method of making shoes comprising the steps of supplying an innersole having, in the zone between the tip and the widest part of the forepart, portions movable longitudinally to and from each other and carrying temporary means affixed to said forepart for preventing such relative movement, the free outer edges of such adjacent portions being in alignment, mounting said innersole on a last, attaching an upper to the



marginal portion of said innersole, attaching an outersole to the marginal portion of said upper, and removing the said temporary means.

DESIGNS

JANUARY 2, 1940

118,358
DESIGN FOR A LAMP STANDARD
William L. Allison, Phoenix, Ariz.
Application April 17, 1939, Serial No. 84,336
Term of patent 3½ years



The ornamental design for a lamp standard, substantially as shown.

118,359
DESIGN FOR A COMBINED GLOBE AND PANEL FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application April 17, 1939, Serial No. 84,343
Term of patent 14 years



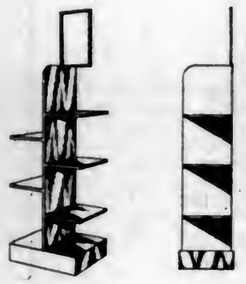
The ornamental design for a combined globe and panel for a lighting fixture, substantially as shown and described.

118,360
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Beatrice Fox Auerbach, Hartford, Conn., assignor to G. Fox & Co. Inc., Hartford, Conn., a corporation of Connecticut
Application October 7, 1939, Serial No. 87,568
Term of patent 7 years



The ornamental design for a plate or similar article, as shown.

118,361
DESIGN FOR A MERCHANDISE DISPLAY STOCK FIXTURE OR SIMILAR ARTICLE
Earl B. Becker, Elkader, Iowa
Application June 5, 1939, Serial No. 85,353
Term of patent 14 years



The ornamental design for a merchandise display stock fixture or similar article, as shown.

118,362
DESIGN FOR A VASE OR SIMILAR ARTICLE
Edward Charles Berbus, Baltimore, Md.
Application July 24, 1939, Serial No. 86,223
Term of patent 14 years

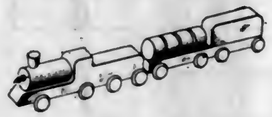


The ornamental design for a vase or similar article, as shown.

118,363
DESIGN FOR A VASE OR SIMILAR ARTICLE
Frank L. Betz, Los Angeles, Calif.
Application September 2, 1939, Serial No. 87,033
Term of patent 7 years

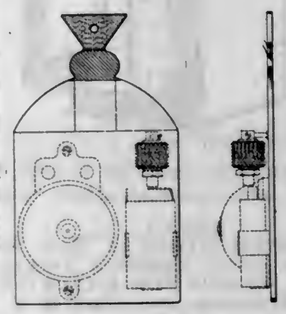
The ornamental design for a vase or similar article, as shown and described.

118,364
DESIGN FOR A WOODEN TOY TRAIN
Kay Bojesen, Copenhagen, Denmark, assignor to Frederik Lunning, Inc., New York, N. Y.
Application September 21, 1939, Serial No. 87,312
Term of patent 3½ years



The ornamental design for a wooden toy train, substantially as shown and described.

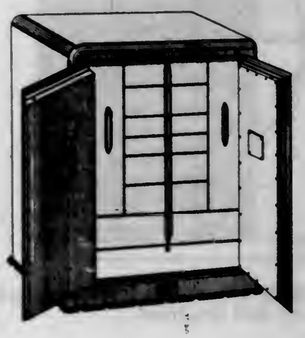
118,365
DESIGN FOR A THERMOSTATIC FIRE ALARM
Robert M. Bowes, Waterbury, Conn.
Application October 16, 1939, Serial No. 87,681
Term of patent 7 years



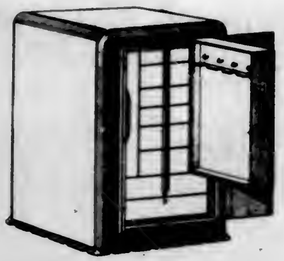
The ornamental design for a thermostatic fire alarm, as shown and described.

118,366
DESIGN FOR A THEFT, FIRE, AND WATER-PROOF SAFE OR SIMILAR ARTICLE
Charles R. Davis, Rochester, N. Y.
Application April 24, 1939, Serial No. 84,532
Term of patent 14 years





118,366—Continued



The ornamental design for a theft, fire, and waterproof safe or similar article, substantially as shown.

118,367
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application December 2, 1939, Serial No. 88,622
Term of patent 3½ years



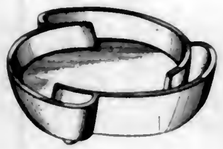
The ornamental design for a lace, substantially as shown and described.

118,368
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I., assignor to New England Lace Mills Inc., New York, N. Y.,
Application December 2, 1939, Serial No. 88,623
Term of patent 3½ years



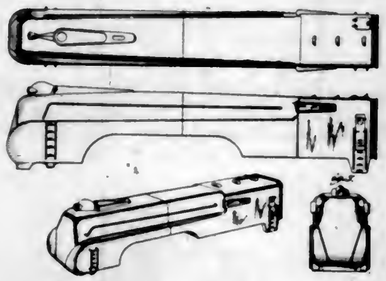
The ornamental design for a lace, substantially as shown and described.

118,369
DESIGN FOR AN ASHTRAY OR SIMILAR ARTICLE
Ernest W. Ekstrand, Los Angeles, Calif.
Application May 8, 1939, Serial No. 84,874
Term of patent 7 years



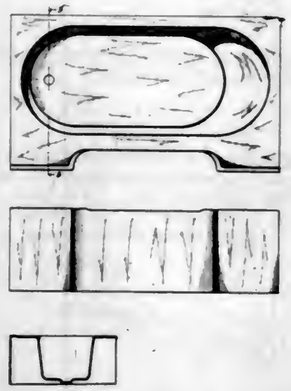
The ornamental design for an ashtray or similar article, substantially as shown.

118,370
DESIGN FOR A LOCOMOTIVE BODY
John Gibson, Columbus, Ohio
Application February 14, 1939, Serial No. 82,987
Term of patent 7 years



The ornamental design for a locomotive body, as shown and described.

118,371
DESIGN FOR A BATHTUB
Louis H. Goeltz, Milwaukee, Wis.
Application June 23, 1939, Serial No. 85,650
Term of patent 14 years



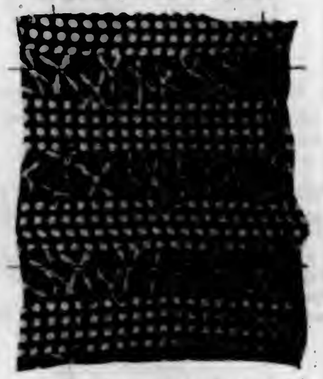
The ornamental design for a bathtub, as shown.

118,372
DESIGN FOR A THUMB STALL
Leopold J. Guay, Bronx, N. Y.
Application September 11, 1939, Serial No. 87,140
Term of patent 14 years



The ornamental design for a thumb stall, as shown.

118,373
DESIGN FOR A TEXTILE FABRIC
Maclyn Guhl, New York, N. Y., assignor to Rovet Inc., New York, N. Y.
Application December 2, 1939, Serial No. 88,625
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,374
DESIGN FOR A GARBAGE RECEPTACLE
Meyer Kamenstein, New York, N. Y.
Application July 9, 1938, Serial No. 78,370
Term of patent 7 years



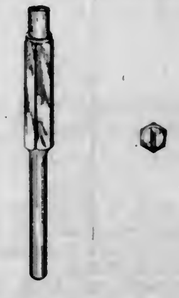
The ornamental design for a garbage receptacle, as shown and described.

118,375
DESIGN FOR A DECORATIVE NAIL
Lillian Kay, New York, N. Y.
Application November 28, 1939, Serial No. 88,530
Term of patent 3½ years



The ornamental design for a decorative nail, substantially as shown.

118,376
DESIGN FOR A PHOTOGRAPHER'S FILM MAGAZINE LOADING TOOL OR SIMILAR ARTICLE
Henry G. King, Lorain, Ohio
Application October 7, 1939, Serial No. 87,570
Term of patent 14 years



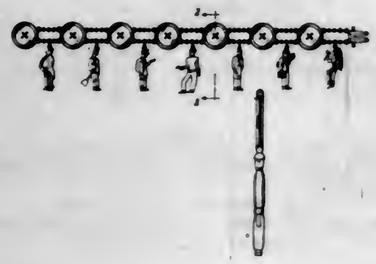
The ornamental design for a photographer's film magazine loading tool or similar article, substantially as shown.

118,377
DESIGN FOR A SERVING TRAY
Clyde B. Loveland, Buffalo, N. Y.
Application September 26, 1939, Serial No. 87,386
Term of patent 7 years



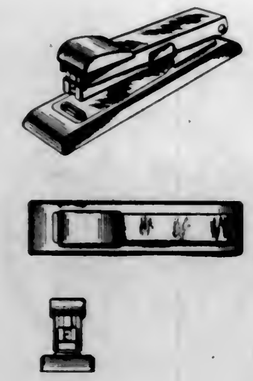
The ornamental design for a serving tray, as shown.

118,378
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Joseph Byrd Mann, Nutley, N. J., assignor to Verdura, Inc., New York, N. Y., a corporation of New York
Application November 13, 1939, Serial No. 88,234
Term of patent 7 years



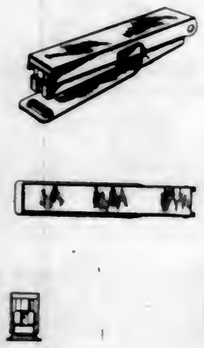
The ornamental design for a bracelet or similar article, as shown and described.

118,379
DESIGN FOR A STAPLING MACHINE
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application October 31, 1939, Serial No. 87,951
Term of patent 14 years



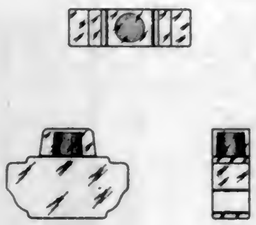
The ornamental design for a stapling machine, substantially as shown.

118,380
DESIGN FOR A STAPLING MACHINE
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application October 31, 1939, Serial No. 87,952
Term of patent 14 years



The ornamental design for a stapling machine, substantially as shown.

118,381
DESIGN FOR A COMBINED BOTTLE AND CLOSURE CAP
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1938, Serial No. 75,867
Term of patent 7 years



The ornamental design for a combined bottle and closure cap, substantially as shown and described.

118,382
DESIGN FOR A VASE OR SIMILAR ARTICLE
Ted Mehrer, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application November 16, 1939, Serial No. 88,309
Term of patent 7 years



The ornamental design for a vase or similar article, as shown and described.

118,383
DESIGN FOR A VASE OR SIMILAR ARTICLE
Ted Mehrer, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application November 16, 1939, Serial No. 88,310
Term of patent 7 years



The ornamental design for a vase or similar article, as shown and described.

118,384
DESIGN FOR A VASE OR SIMILAR ARTICLE
Ted Mehrer, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application November 16, 1939, Serial No. 88,311
Term of patent 7 years



The ornamental design for a vase or similar article, as shown and described.

118,385
DESIGN FOR A GLASS RELISH DISH OR ARTICLE OF SIMILAR NATURE
Albert H. Nicholson, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application November 14, 1939, Serial No. 88,283
Term of patent 3½ years



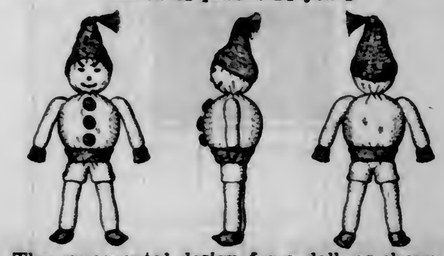
The ornamental design for a glass relish dish or article of similar nature, substantially as shown.

118,386
DESIGN FOR A FINGER RING
Tibor M. Pajzs, Shorewood, Wis.
Application April 14, 1939, Serial No. 84,281
Term of patent 3½ years



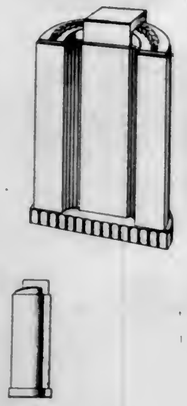
The ornamental design for a finger ring, as shown.

118,387
DESIGN FOR A DOLL
Margaret C. Peck, Winnetka, Ill.
Application November 10, 1939, Serial No. 88,195
Term of patent 14 years



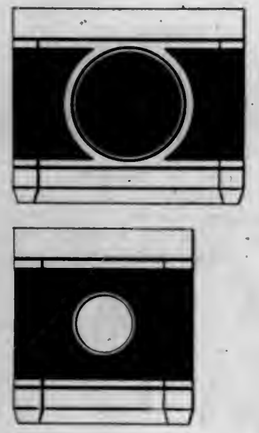
The ornamental design for a doll, as shown.

118,388
DESIGN FOR A TROPHY BASE
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 18, 1939, Serial No. 87,866
Term of patent 14 years



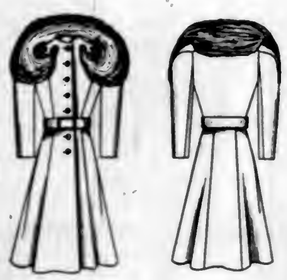
The ornamental design for a trophy base, as shown.

118,389
DESIGN FOR A STORAGE BATTERY BOX
Arthur G. Phelps, Anderson, Ind., and Frederick G. Stickel, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 9, 1939, Serial No. 87,593
Term of patent 7 years



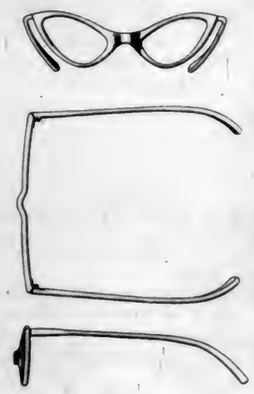
The ornamental design for a storage battery box, as shown and described.

118,390
DESIGN FOR A COAT
Adolph H. Sadiker, New York, N. Y.
Application October 30, 1939, Serial No. 87,924
Term of patent 3½ years



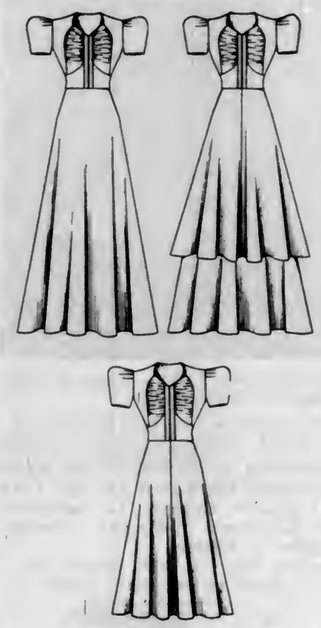
The ornamental design for a coat, substantially as shown and described.

118,391
DESIGN FOR A SPECTACLE FRAME
Altina Sanders, New York, N. Y.
Application April 26, 1939, Serial No. 84,568
Term of patent 14 years



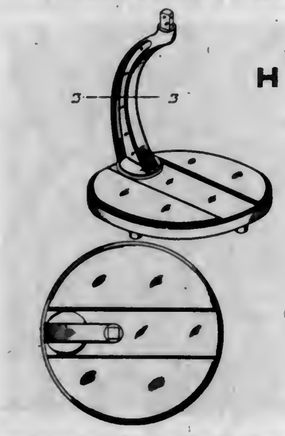
The ornamental design for a spectacle frame, substantially as shown.

118,392
DESIGN FOR A COMBINATION EVENING AND STREET DRESS
Vincent Scappaticcio, New York, N. Y.
Application November 30, 1939, Serial No. 88,569
Term of patent 3½ years



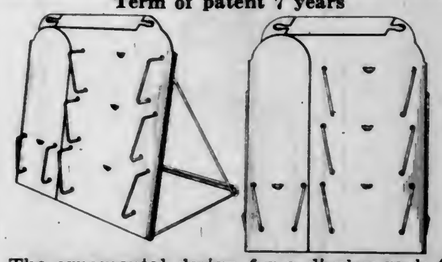
The ornamental design for a combination evening and street dress, substantially as shown and described.

118,393
DESIGN FOR A SUPPORT FOR CULINARY APPLIANCES
Charles F. Smith, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application October 18, 1938, Serial No. 80,532
Term of patent 3½ years



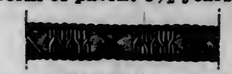
The ornamental design for a support for culinary appliances, as shown.

118,394
DESIGN FOR A DISPLAY RACK FOR POST CARDS
Curt Teich, Chicago, Ill., assignor to Curt Teich & Company, Inc., Chicago, Ill., a corporation of Illinois
Application June 2, 1939, Serial No. 85,300
Term of patent 7 years



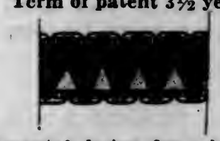
The ornamental design for a display rack for post cards, as shown.

118,395
DESIGN FOR A BRAID OR SIMILAR ARTICLE
Jack Uziel, New York, N. Y.
Application December 4, 1939, Serial No. 88,661
Term of patent 3½ years



The ornamental design for a braid or similar article, substantially as shown.

118,396
DESIGN FOR A BRAID OR SIMILAR ARTICLE
Jack Uziel, New York, N. Y.
Application December 4, 1939, Serial No. 88,662
Term of patent 3½ years



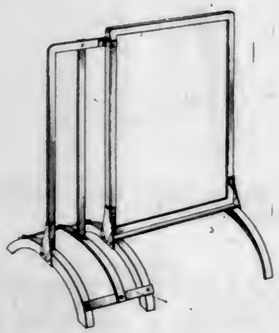
The ornamental design for a braid or similar article, substantially as shown.

118,397
DESIGN FOR A MEDAL OR THE LIKE
Harold C. Vaisey, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 86,707
Term of patent 3½ years



The ornamental design for a medal or the like, substantially as shown and described.

118,398
DESIGN FOR A COMBINED SIGN FRAME AND BICYCLE RACK
Warren Wheary, Chicago, Ill.
Application November 10, 1939, Serial No. 88,190
Term of patent 7 years



The ornamental design for a combined sign frame and bicycle rack, as shown.

118,399
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, Cliffside Park, N. J.
Application October 28, 1939, Serial No. 87,902
Term of patent 3½ years



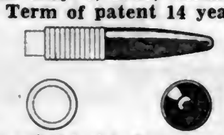
The ornamental design for a textile fabric, substantially as shown.

118,400
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, Cliffside Park, N. J.
Application October 28, 1939, Serial No. 87,903
Term of patent 3½ years



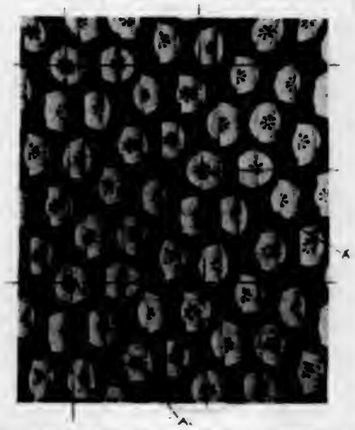
The ornamental design for a textile fabric, substantially as shown.

118,401
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application May 7, 1938, Serial No. 77,052
Term of patent 14 years



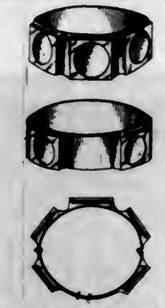
The ornamental design for a handle for kitchen utensils or similar articles, as shown and described.

118,402
DESIGN FOR A TEXTILE FABRIC
Gabriel Virgile, Long Beach, N. Y.
Application December 2, 1939, Serial No. 88,628
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,403
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Frank Cusumano, New York, N. Y.
Application October 17, 1939, Serial No. 87,700
Term of patent 7 years



The ornamental design for a bracelet or similar article, substantially as shown.

118,404
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Frank Cusumano, New York, N. Y.
Application October 17, 1939, Serial No. 87,701
Term of patent 7 years



The ornamental design for a necklace or similar article, substantially as shown.

118,405
DESIGN FOR A GLIDER
Beverly Johnson, Dallas, Tex.
Application September 28, 1939, Serial No. 87,412
Term of patent 14 years



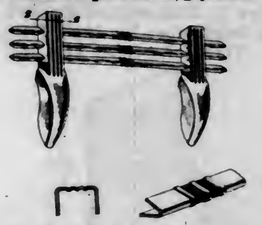
The ornamental design for a glider, substantially as shown and described.

118,406
DESIGN FOR A BUMPER GUARD
Louis S. Poncher, Chicago, Ill., assignor to Erie Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application September 13, 1939, Serial No. 87,180
Term of patent 3½ years



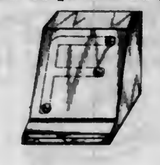
The ornamental design for a bumper guard, as shown.

118,407
DESIGN FOR A BUMPER GUARD
Louis S. Poncher, Chicago, Ill., assignor to Erie Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application September 13, 1939, Serial No. 87,179
Term of patent 3½ years



The ornamental design for a bumper guard, as shown.

118,408
DESIGN FOR A SUPPORT FOR AN INDUCTIVELY EXCITED GASEOUS CONDUCTOR TUBE
Leo L. Beck, Morristown, N. J., and William R. Price, New York, N. Y., assignors to Lustron Lights, Inc., New York, N. Y., a corporation of New York
Application October 29, 1938, Serial No. 80,764
Term of patent 14 years





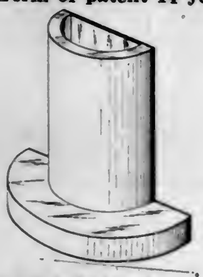
The ornamental design for a support for an inductively excited gaseous conductor tube, as shown.

118,409
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application June 13, 1939, Serial No. 85,468
Term of patent 14 years



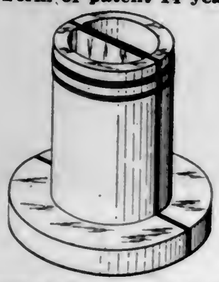
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

118,410
DESIGN FOR A COMBINED BOOK END AND PENCIL HOLDER OR SIMILAR ARTICLE
Gregory S. Dolgorukov, Detroit, Mich.
Application September 26, 1938, Serial No. 80,083
Term of patent 14 years



The ornamental design for a combined book end and pencil holder or similar article, as shown.

118,411
DESIGN FOR A DESK RECEPTACLE UNIT FOR PENCILS, ENVELOPE OPENERS, RULERS, OR THE LIKE
Gregory S. Dolgorukov, Detroit, Mich.
Application September 26, 1938, Serial No. 80,084
Term of patent 14 years



The ornamental design for a desk receptacle unit for pencils, envelope openers, rulers, or the like, as shown.

118,412
DESIGN FOR A TEXTILE FABRIC
Daniel B. Fuller, New York, N. Y.
Application December 8, 1939, Serial No. 88,766
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,413
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Lina Harttmann, New York, N. Y.
Application December 8, 1939, Serial No. 88,758
Term of patent 3½ years



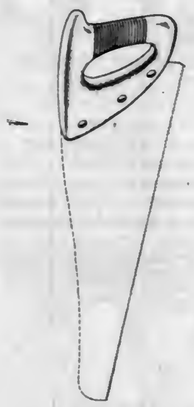
The ornamental design for a textile fabric or similar article, as shown.

118,414
DESIGN FOR A RIBBON
John D. Huizeng, New York, N. Y.
Application December 11, 1939, Serial No. 88,798
Term of patent 3½ years



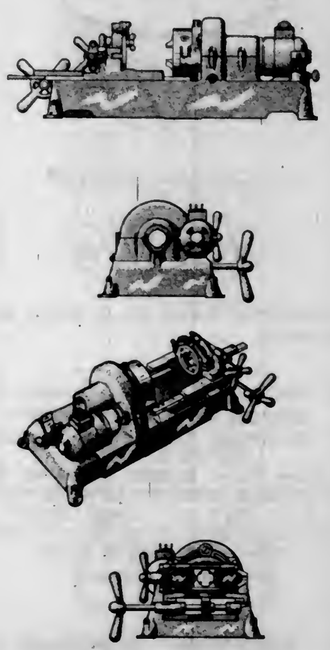
The ornamental design for a ribbon, substantially as shown.

118,415
DESIGN FOR A SAW
Walter F. Nessen, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 11, 1939, Serial No. 82,290
Term of patent 7 years



The ornamental design for a saw, as shown and described.

118,416
DESIGN FOR A PIPEWORKING MACHINE
Robert B. Pealer, Parkman, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application November 1, 1939, Serial No. 87,983
Term of patent 14 years



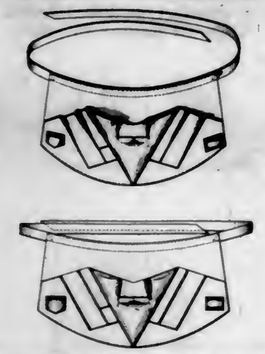
The ornamental design for a pipeworking machine, substantially as shown.

118,417
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application April 19, 1939, Serial No. 84,385
Term of patent 3½ years



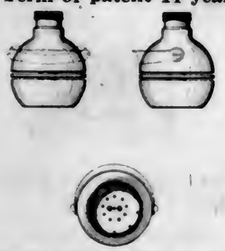
The ornamental design for a shoe or similar article, as shown and described.

118,418
DESIGN FOR AN APRON
Mary Brooks Picken, New York, N. Y.
Application November 7, 1939, Serial No. 88,117
Term of patent 14 years



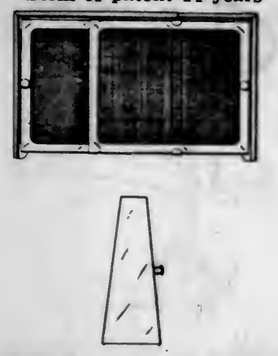
The ornamental design for an apron, substantially as shown.

118,419
DESIGN FOR A SPRAYER
Earl L. Rockwood, Toledo, Ohio, assignor to Gifford D. Davis
Application March 2, 1939, Serial No. 83,289
Term of patent 14 years



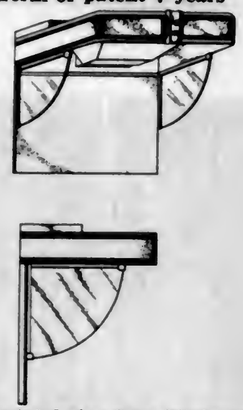
The ornamental design for a sprayer, as shown and described.

118,420
DESIGN FOR AN AIR FILTER
Melroy Sinclair, Maplewood, Mo.
Application September 25, 1939, Serial No. 87,374
Term of patent 14 years



The ornamental design for an air filter, as shown.

118,421
DESIGN FOR A KITCHEN VENTILATOR
Bernhard Sonntag, Dallas, Tex.
Application June 30, 1939, Serial No. 85,784
Term of patent 7 years



The ornamental design for a kitchen ventilator, substantially as shown and described.

118,422
DESIGN FOR A HAIR BRUSH
Frank K. Weber, East Greenbush, N. Y., assignor to Mohawk Brush Company, Albany, N. Y., a corporation of New York
Application September 10, 1938, Serial No. 79,834
Term of patent 14 years



The ornamental design for a hair brush, substantially as shown.

118,423
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Morris L. Aaronson, New York, N. Y.
Application December 1, 1939, Serial No. 88,596
Term of patent 3½ years



The ornamental design for a button or similar article, substantially as shown.

118,424
DESIGN FOR A BAG PACKAGE OR SIMILAR ARTICLE
Hans O. Irmscher, New York, N. Y., assignor to Millie Patent Holding Co., Inc., a corporation of New York
Application May 26, 1938, Serial No. 77,407
Term of patent 14 years



The ornamental design for a bag package or similar article, as shown and described.

118,425
DESIGN FOR A GIRDLE
Waldemar Kops, New York, N. Y., assignor to Kops Brothers, Inc., New York, N. Y., a corporation of New York
Application June 16, 1938, Serial No. 77,881
Term of patent 14 years



The ornamental design for a girdle, as shown and described.

118,426
DESIGN FOR A DRESS
Jeannette Lippman, East Orange, N. J.
Application November 24, 1939, Serial No. 88,436
Term of patent 3½ years



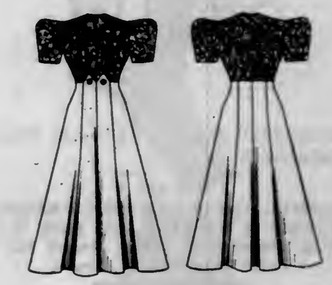
The ornamental design for a dress, substantially as shown and described.

118,427
DESIGN FOR A DRESS
Christine Mazola, New York, N. Y.
Application November 7, 1939, Serial No. 88,097
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

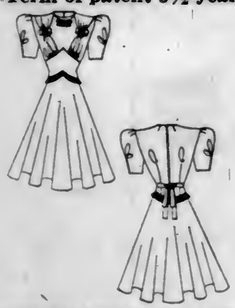
118,428
DESIGN FOR A DRESS ENSEMBLE
Sydelle Rosen, New York, N. Y.
Application November 30, 1939, Serial No. 88,572
Term of patent 3½ years





The ornamental design for a dress ensemble, substantially as shown.

118,429
DESIGN FOR A DRESS
Jack Wasserman, Lawrence, N. Y.
Application November 24, 1939, Serial No. 88,437
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,430
DESIGN FOR A BAG OR SIMILAR ARTICLE
Silvia Dorée, New York, N. Y.
Application December 5, 1939, Serial No. 88,699
Term of patent 3½ years



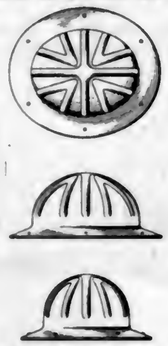
The ornamental design for a bag or similar article, substantially as shown.

118,431
DESIGN FOR A TEXTILE FABRIC
Benjamin M. Kaufman, New York, N. Y.
Application October 11, 1939, Serial No. 87,618
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,432
DESIGN FOR A SAFETY HAT
Howard B. Lewis, Venice, Calif.
Application October 2, 1939, Serial No. 87,473
Term of patent 14 years



The ornamental design for a safety hat, as shown.

118,433
DESIGN FOR A HAT
Murray J. Marks, New York, N. Y.
Application October 3, 1939, Serial No. 87,489
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

118,434
DESIGN FOR A TEXTILE FABRIC
Louis G. Meurer, New York, N. Y.
Application November 25, 1939, Serial No. 88,481
Term of patent 3½ years



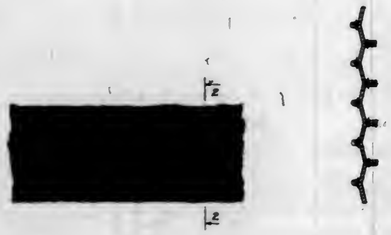
The ornamental design for a textile fabric, substantially as shown and described.

118,435
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application November 28, 1939, Serial No. 88,513
Term of patent 3½ years



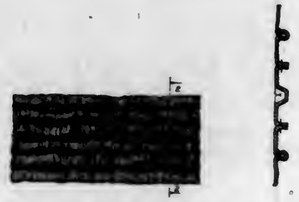
The ornamental design for a dress, substantially as shown.

118,436
DESIGN FOR A RIBBON FABRIC
Gerald H. Simon, San Francisco, Calif.
Application August 22, 1939, Serial No. 86,823
Term of patent 7 years



The ornamental design for a ribbon fabric, as shown.

118,437
DESIGN FOR A RIBBON FABRIC
Gerald H. Simon, San Francisco, Calif.
Application August 22, 1939, Serial No. 86,824
Term of patent 7 years



The ornamental design for a ribbon fabric, as shown and described.

118,438
DESIGN FOR A TEXTILE FABRIC
Carl Alfred Tips, New York, N. Y.
Application November 22, 1939, Serial No. 88,396
Term of patent 3½ years



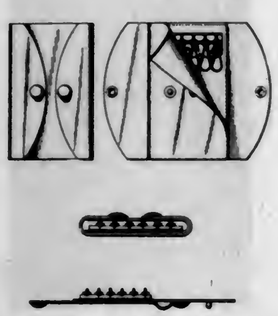
The ornamental design for a textile fabric, substantially as shown.

118,439
DESIGN FOR A STOCKING OR SIMILAR ARTICLE
Clarke W. Tobin, South Orange, N. J., assignor to Propper-McCallum Hosiery Co. Inc., New York, N. Y., a corporation of Delaware
Application March 16, 1939, Serial No. 83,607
Term of patent 14 years



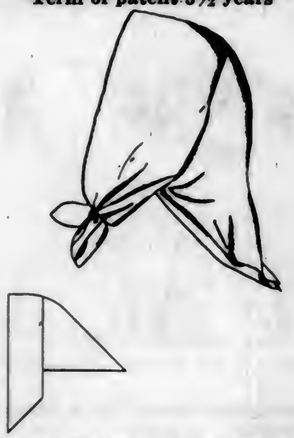
The ornamental design for a stocking or similar article, as shown and described.

118,440
DESIGN FOR A COMBINATION POCKET CASE
Nicholas A. Mercer, New York, N. Y.
Application May 25, 1939, Serial No. 85,190
Term of patent 7 years



The ornamental design for a combination pocket case, as shown and described.

118,441
DESIGN FOR A HEAD COVERING
Solomon E. Rains, New York, N. Y.
Application January 28, 1938, Serial No. 74,623
Term of patent 3½ years



The ornamental design for a head covering, as shown and described.

Patents Nos. 2,185,996 to 2,186,933

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 510—No. 2 **TUESDAY, JANUARY 9, 1940** **Price—$16 per year**

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF JANUARY 9, 1940	257
NOTICES OF CANCELLATION	257
NOTICE	257
APPLICATIONS UNDER EXAMINATION	258
DECISIONS OF THE U. S. COURTS—	
In re Hewitt, Jr.	259
PATENT SUITS	260
DISCLAIMERS	261
ADJUDICATED PATENTS	262
ADVERSE DECISIONS IN INTERFERENCE	262
CHANGES IN CLASSIFICATION	262
TRADE-MARKS PUBLISHED (241 APPLICATIONS)	265
TRADE-MARK REGISTRATIONS GRANTED	292
TRADE-MARK REGISTRATIONS RENEWED	302
LABELS	303
PRINTS	303
REISSUES	305
PLANT PATENTS	306
PATENTS GRANTED	307
DESIGNS	517

January 9, 1940

Trade-Marks	211—No.	374,334 to No.	374,544,	inclusive.
T. M. Renewals	26			
Labels	13—No.	54,127 to No.	54,139,	inclusive.
Prints	3—No.	17,797 to No.	17,799,	inclusive.
Reissues	6—No.	21,314 to No.	21,319,	inclusive.
Plant Patents	1—No.	352		
Patents	933—No.	2,185,996 to No.	2,186,933,	inclusive.
Designs	109—No.	118,442 to No.	118,550,	inclusive.
Total	1,309			

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 8, 1939.*
Redondo Packing Corp., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Abe Kanner, Los Angeles, Calif., to effect the cancellation of trade-mark registration No. 160,801, issued October 24, 1922, to Redondo Packing Corp., Eighth and Broadway Streets, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Redondo Packing Corp. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Redondo Packing Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Dec. 8, 1939.*
Bobwhite Chemical Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Anton Sales Company, 51-35 Roosevelt Boulevard, Philadelphia, Pa., to effect the cancellation of trade-mark registration No. 156,190, issued June 20, 1922, to Bobwhite Chemical Corporation, 39 Broadway, New York, N. Y., and a notice of such proceeding sent by registered mail to said Bobwhite Chemical Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bobwhite Chemical Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Dec. 14, 1939.*
Rose Chevalier Gostenhofer, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Mary Chess Inc., 305 E. 63rd St., New York, N. Y., to effect the cancellation of trade-mark registration of Rose Chevalier Gostenhofer, 478 Central Park West, New York, N. Y., No. 194,919, dated February 10, 1925, and the notice of such proceeding sent by registered mail to the said Rose Chevalier Gostenhofer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rose Chevalier Gostenhofer, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice

This Office has been notified by the Secretary of State of the receipt of advice from the Swiss Minister at Washington of the adherence of Switzerland and Belgium to the texts revised at London on June 2, 1934, of the following diplomatic instruments:

1. Convention of Union of Paris, of March 20, 1883, for the protection of industrial property;

2. Arrangement of Madrid, of April 14, 1891, concerning international registration of trade-marks; and

3. Arrangement of The Hague, of November 6, 1925, concerning the international deposit of industrial designs or models;

and of the adherence of Switzerland to the text revised at London on June 2, 1934, of the following diplomatic instrument:

Arrangement of Madrid, of April 14, 1891, concerning the prevention of false indications of origin of goods.

Condition of Applications Under Examination at Close of Business December 23, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 45,399; Trade-Mark Division, 1,204. Oldest new case, May 12, 1939; oldest amended, May 12, 1939.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 25	July 24	620
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 23	May 12	825
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 20	Oct. 23	329
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	July 25	July 26	596
2077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Sept. 23	Sept. 22	436
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	July 15	July 13	948
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	Aug. 11	941
3385	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 21	July 8	1098
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 15	July 17	735
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 17	Sept. 18	503
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 6	Sept. 9	463
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 19	June 12	457
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 25	July 22	713
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 18	Oct. 12	431
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 29	July 4	1374
5716	16. SPENCER, C. J., Telegraphy; Telephony	July 24	July 24	700
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 27	Aug. 9	709
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 8	Aug. 4	542
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	Aug. 1	476
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 12	Aug. 12	390
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 22	Aug. 22	526
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 5	June 5	1096
7624	23. BUTTNER, W. J., Registers (part)	May 12	June 7	323
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 22	May 18	1370
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 7	Sept. 5	608
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 26	Aug. 9	516
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 8	June 2	1050
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Aug. 16	Aug. 7	427
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 22	June 19	818
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 3	July 29	832
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 25	Aug. 22	905
4086	32. LESH, KARL., Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Sept. 29	Sept. 29	363
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 5	Aug. 7	991
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept. 29	Oct. 11	210
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 7	Aug. 1	739
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 25	Aug. 10	618
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 10	July 27	763
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	June 15	June 18	838
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 16	Aug. 25	628
7980	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 9	June 9	1999
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 14	July 29	266
5882	42. CUTTING, H. O., Electric Signaling	June 3	May 29	704
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Aso Compounds.	Sept. 5	Aug. 29	528
4087B	44. HARVEY, L. F., Refrigeration	July 27	July 26	665
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Sept. 23	Sept. 6	537
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 1	Aug. 7	709
6082	47. LOWE, E. R., Clutches; Brakes	Aug. 26	Aug. 26	541
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 12	Aug. 12	471
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 16	June 17	998
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	July 26	July 26	1338
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 6	Oct. 6	624
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 21	Sept. 8	697
6697	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Fasting and Paper Hanging.	Sept. 20	Aug. 24	294
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 12	Sept. 21	327
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 14	July 18	456
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 27	June 29	1251
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut; Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 1	July 29	463
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 31	Sept. 2	439
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 19	July 19	896
5906	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 22	Aug. 22	403
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	July 31	July 31	605
5621	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 16	Oct. 16	398
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 29	June 29	1008
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Sept. 5	Sept. 5	669
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 16	Aug. 3	501
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Nov. 16	Nov. 27	1146
	{Labels and Prints	Dec. 18	Dec. 21	58
2605	DESIGNS: H. H. KALUPY	Nov. 13	Nov. 13	735

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HEWITT, JR.

No. 4,160. Decided December 4, 1939

[— F.(2d) —]

PATENTABILITY—METHOD OF OPERATING DECLINATION INDICATORS.

Claims for a method of operating declination indicators in the drilling of wells *Held* unpatentable in view of the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Harry F. Riley for Hewitt, Jr.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

Appellant here seeks review of the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner denying patentability of two claims numbered, respectively, 8 and 12 in his application for patent for a method of operating declination indicators in the drilling of wells, particular emphasis being placed on oil wells.

The claims read:

8. A method of ascertaining the declination of a well bore within which a drill string and a drill bit are placed which consists in raising the drill string and drill bit until a desired length of drill hole occurs below the drill bit, thereafter lowering a magnetic type of declination instrument through the drill string and drill bit and into the free section of drilled hole therebeneath and beyond the zone of magnetic influence of the bit upon the magnetic declination instrument, maintaining said declination instrument within the hole at said point until a reading has been obtained, and thereafter removing the instrument from the hole.

12. A method of determining the declination of a well bore without removing the drill string and drill bit from the well, said bit being formed with a central passageway therethrough, which method consists in elevating the drill string and the drill bit within the drill bore to a desired height above a point at which a survey is to be made, thereafter lowering a magnetic recording declination instrument through the drill string and the drill bit upon a flexible supporting element, the instrument being lowered into the well until it is beyond the magnetic influence of the ferrous metal of the drill bit and the drill string, the lowering operation continuing until a sufficient length of supporting element has been paid out to permit the instrument to assume a longitudinally aligned position against the low side of the drill bore, then taking a declination reading with the instrument and thereafter withdrawing the instrument from the well through the drill bit and the drill string.

The rejection was based on lack of invention over the disclosures of prior art shown in three patents, viz.: MacGeorge, 281,772, July 24, 1883; Stokes, 1,671,136, May 29, 1928; Baker, 1,793,894, February 24, 1931.

It appears that prior to appellant's claimed invention it was the common practice in taking declination readings with instruments having a magnetic element to remove the entire drill string, consisting of metal tubes or pipes, and the drill bit attached to the lower end of the lowest tube from the bore and then lower the declination instrument to the desired point for securing the record. After this the instrument would be withdrawn and the drill string and bit reintroduced to continue the boring operation. This process consumed much time and labor, especially when the wells reached great depths.

By appellant's method, when a reading is desired, the string and bit, instead of being entirely withdrawn, are raised only a relatively short distance in the bore and the declination instrument, enclosed in a carrier, is lowered through the hollow drill string and through a central opening in the bit, the declination recorded and the instrument withdrawn through bit and string for inspection. Since the string and bit are of ferrous metal and the instrument contains a magnetic element, caution must be exercised to have a space in the bore below the bit sufficiently long to insure that the instrument will be at a point in the bore beyond the influence of the ferrous metal.

By this process it would appear that much time and labor are saved.

The structural elements involved, so far as the record shows, are old in the art, and the claims are limited to the method described.

Appellant regards claim No. 8 as being generic, but the same general principle of method is common to both claims and they stand or fall together.

The findings of the tribunals of the Patent Office relative to the disclosures of the prior art cited are not in serious dispute. The statement of the Examiner relative to these is somewhat more elaborate than that of the Board, and for this reason we quote it:

The prior art as exemplified by MacGeorge shows that from the earliest development in this art, it has been the practice to place the magnetic declination instrument in a carrier connected at its lower end to a core extractor or sampling tool. In use the drill string was entirely removed from the bore hole and the tool and surveying instrument lowered by a string of rods r'. After the core was freed the instrument was removed from the bore hole and the record obtained. This record was free from the magnetic influence of the drill string, but at the expense and labor of entirely removing the drill string, which was considerable.

* * * * * * *

Subsequently, as indicated by Baker and Stokes, it became the practice to obtain samples by the use of core tools which were either permanently attached to the drill string (Baker) or independently removable from the drill string although coacting with the same at the time the core or sample was taken (Stokes).

And furthermore, in these types of core samplers which extended beyond the lower end of the drill string it remained the practice as indicated by Baker to provide a chamber for carrying a magnetic surveying instrument.

And although Stokes does not show such an instrument carrier incorporated in his sampling tool which as disclosed is readily raised and lowered a considerable distance beyond the end of the drill string, nevertheless, he contemplated other tools would be supported by his raising and lowering carrier. * * *

After paraphrasing the substance of the foregoing, the Board in its decision said:

While the references cited do not appear to fairly anticipate the claims on appeal, it seems to us that the introduction of a declination instrument through a hollow drill stem is a matter of expediency rather than invention. Most drilling operations involve the use of tools which would preclude the insertion of a measuring instrument in accordance with the method claimed. If a hollow drill and stem is being used, such, for instance, as that shown in the Stokes patent, it seems to us that it would occur to a worker in the art that a measuring instrument might be introduced through the stem and tool without completely withdrawing the same. It is well

known that the presence of metal or ore bodies tends to disturb the readings of a compass. We therefore also think it obvious to sufficiently withdraw the drill to remove this cause of disturbance.

So, the real gist of the decision appealed from is not to the effect that the prior art discloses appellant's method—it being expressly stated that the references "do not appear to fairly anticipate the claims on appeal"—but that, in view of such art, the evolvement of such method did not present an inventive concept.

We are in harmony with this conclusion.

The authorities cited by counsel for appellant have been quite carefully examined but we are of the opinion that appellant could not reasonably hope, upon the basis of such authorities, that the courts would sustain the patent he seeks if it were granted him.

To what extent, if at all, others may now be practicing the method which appellant describes and claims we are not advised, but it is clear that if he has not made an invention he should not be entitled prima facie to monopolize the field against other users. The patent laws insure protection for invention only. If there were an element of doubt it would be proper to resolve such doubt in favor of appellant, but we think there is no element of doubt in this case.

It may be conceded, as is claimed by appellant, that—

"the [reference] patents absolutely make no mention of passing a magnetic declination instrument through a drill stem and a drill tool to a position beyond the zone of magnetic influence of the ferrous metal of the drill string and the drill bit for obtaining an accurate reading of the declination of a well bore",

but this is unimportant unless the conception of doing this involved invention.

The Stokes patent concededly discloses the passing of a tool through the drill stem and the Macgeorge patent discloses the use of a magnetic instrument for the purpose of taking declination readings. We are unable to discern wherein it required invention to pass the declination instrument, as other tools were passed, through the stem, nor can we conceive of it being inventive to adjust the various mechanisms involved so that the magnetic element of the declination instrument would be beyond the influence of the metal tubes and bit. Even tyros, to say nothing of skilled persons, have, and for centuries have had, knowledge of the fact that ferrous metals interfere with the functioning of magnetic organisms within limits of space, and have known that to prevent such interference there must be a sufficient distance between the two to nullify that influence. Appellant, in consequence of the law of nature, and compelled thereby if his method was to be fruitful, did the obvious thing and nothing more. He defines no distance as critical (probably in the art involved it would be impossible so to define a distance); hence his teaching amounts to nothing more than that well drillers observe the law of nature and do the thing required by such law.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,256,265, V. E. Schmiedeknecht, Piston; 1,402,309, L. P. Mooers, Piston for internal combustion motor; 1,763,523, F. Jardine, Piston; 1,655,968, H. E. Maynard, same; 1,815,733, E. J. Gulick, same, C. C. A., 6th Cir., Doc. 7223–5, *The Cleveland Trust Co. et al.* v. *The Schriber-Schroth Co.* Doc. 8094–6, *The Schriber-Schroth Co.* v. *The Cleveland Trust Co. et al.* Patents 1,256,265 (expired), 1,815,733, 1,402,309, and 1,655,968 held invalid; claims 1, 8, and 11 of 1,763,523 held valid Oct. 6, 1939.

1,340,889, T. T. Gray, Process for treating petroleum hydrocarbons; 1,624,692, H. Thomas, Process of manufacturing gasoline; 1,759,812, 1,952,855, T. T. Gray, Method of purifying hydrocarbon compounds; 1,759,813, same, Process and apparatus for treating hydrocarbons; 1,862,507, 1,908,599, 1,759,814, same, Refining of hydrocarbons; 1,930,453, J. W. Brown, Process of manufacturing gasoline; 2,017,860, G. N. Harcourt, Process and apparatus for producing light hydrocarbons, D. C., E. D. Okla. (Muskogee), Doc. E 4704, *The Gray Processes Corp.* v. *Rock Island Refining Co.* Bill dismissed as to 1,340,889, 1,624,692, 1,930,453, 1,862,507, and 1,952,855; decreeing against defendant on 1,759,812, 1,759,813, 1,759,814, 1,908,599, and 2,017,860 Oct. 9, 1939.

1,373,748, N. M. Lower, Screw conveyor; 1,455,058, same, Locomotive stoker; 1,690,116, A. M. Hunt, Stoker construction; 1,724,593, same, Stoker conveyer; 1,642,076, Lower & Chalker, Distributer tube for stokers, C. C. A., 4th Cir., Doc. 4477, *The Standard Stoker Co., Inc.*, v. *Berkley Machine Works et al.* Decree of Aug. 28, 1939 modified and affirmed Oct 13, 1939 (this court expressing no opinion and making no adjudication as to validity of said claims).

1,373,957 (*a*), W. C. Farnum, Gear cutting machine; 1,720,404, C. H. Schurr, Gear grinding machine; 1,680,258, same, Process of generating or grinding gear teeth, D. C., N. D. Ohio, E. Div., Doc. E 5317, *The Lees-Bradner Co.* v. *Pratt & Whitney Co.* Consent judgment holding claims 3, 4, 7, 22, and 23 of 1,373,957, claims 1, 2, 5, 8, 9, 12, 13, 15, 16, 17, and 23 of 1,720,404 valid but not infringed (notice Oct. 12, 1939).

1,373,957 (*b*), W. C. Farnum, Gear cutting machine; 1,680,258, C. H. Schurr, Process of generating or grinding gear teeth; 1,720,404, same, Gear grinding machine; 2,025,688, E. J. Lees, Finishing tool, D. C., N. D. Ohio, E. Div., Doc. E 5456, *The Lees-Bradner Co.* v. *Pratt & Whitney Co. et al.* Consent judgment holding claims 3, 4, 7, 22, and 23 of 1,373,957, claims 1, 2, 5, 8, 9, 12, 13, 15, 16, 17, and 23 of 1,720,404, and claims 1, 2, 15, 16, 17, 18, and 19 of 2,025,688 valid but not infringed (notice Oct. 12, 1939).

1,402,309. (See 1,256,265.)

1,452,197, 1,465,629, R. B. Gilchrist, Drink mixer, D. C. Minn., 4th Div., Doc. 172, *Scovill Mfg. Co.* v. *Strite Anderson Mfg. Co.* Consent decree enjoining defendant (notice Oct. 17, 1939).

1,455,058. (See 1,373,748.)

1,465,629. (See Re. 1,452,197.)

1,522,402, F. W. Wittowski, Foot ball game, filed Oct. 13, 1939, D. C., S. D. Iowa (Des Moines), Doc. 48, *F. W. Wittowski* v. *F. W. Woolworth Co.*

1,544,172, A. Perkins, Sorting and classifying of flat sheets, tallies, cards, etc., D. C., N. D. Calif. (San Francisco), Doc. E 4143–R, *The McBee Co.* v. *A. A. Rembold.* Patent held valid and infringed, injunction; counterclaim dismissed Oct. 7, 1939.

1,551,314, H. K. Krantz, Thermal cutout; 1,675,332, H. J. Marie de Regnauld de Bellescise, Direction finder; 1,749,536, J. J. Hogan, Switch; 2,073,103, 2,073,104, C. H. Hodgkins, Circuit breaker, filed Oct. 17, 1939, D. C., E. D. Mo. (St. Louis), Doc. 344, *Westinghouse Electric & Mfg. Co.* v. *Frank Adams Electric Co.*

1,624,692. (See 1,340,889.) 1,642,076. (See 1,373,748.)

1,655,968. (See 1,256,265.) 1,675,332. (See 1,551,314.)

1,680,258. (See 1,373,957 (*a*) and (*b*).)

1,690,116. (See 1,373,748.)

1,720,404. (See 1,373,957 (*a*) and (*b*).)

1,724,051. (See 2,010,924.) 1,724,593. (See 1,373,748.)

1,731,967, L. J. Antonsen, Paper excelsior machine, D. C., S. D. Calif. (Los Angeles), Doc. E 976–J, *L. J. Antonsen et al.* v. *H. M. Inglis (Inglis Machine Works).* Dismissed for want of prosecution Oct. 10, 1939.

1,743,454, G. H. Howenstein, Sash guide, D. C., E. D. Mich. (Detroit), Doc. 7779, *The N. S. W. Co. et al.* v. *Wholesale Lumber & Millwork, Inc., et al.* Dismissed Oct. 12, 1939.

1,747,683, Shirk & Mohler, Refrigerating, heating, and ventilating apparatus for cars, D. C. Md., Doc. 274, *C. D. Futch* v. *Pullman-Standard Car Mfg. Co.* Dismissed Sept. 12, 1939.

1,749,536. (See 1,551,314.) 1,759,812. (See 1,340,889.)

1,759,813. (See 1,340,889.) 1,759,814. (See 1,340,889.)

1,763,046, 1,801,553, D. D. Heimburger, Automobile washing apparatus, filed Oct. 13, 1939, D. C., S. D. Calif., C. Div., Doc. 601–B, *Kelite Products, Inc.*, v. *Hallett Mfg. Co.*

1,763,523. (See 1,256,265.) 1,775,492. (See 2,010,924.)

1,801,553. (See 1,763,046.) 1,815,315. (See 2,010,924.)

1,815,733. (See 1,256,265.) 1,825,731. (See 2,010,924.)

1,856,040. (See 2,010,924.) 1,862,507. (See 1,340,889.)

1,867,539. (See 2,010,924.)

1,878,366, C. L. Bausch, Ophthalmic mounting and method of making same; 1,878,371, S. E. Bouchard, same; 1,878,370, same, Ophthalmic mounting and method of attaching same; 1,985,499, G. L. Hommel, Ophthalmic mounting; 2,063,170, C. F. Kramer, Eye-glass mounting and method of producing same, filed Oct. 13, 1939, D. C. Conn. (New Haven), Doc. 176, *Bausch & Lomb Optical Co.* v. *G. J. Kirby.*

1,878,370. (See 1,878,366.) 1,878,371. (See 1,878,366.)

1,908,599. (See 1,340,889.) 1,930,453. (See 1,340,889.)

1,952,855. (See 1,340,889.) 1,967,455. (See 2,010,924.)

1,971,793, W. J. O'Leary, Electrical apparatus, filed Oct. 12, 1939, D. C., S. D. Ohio, W. Div., Doc. 47, *L. B. O'Leary et al.* v. *The Liggett Drug Co.* Doc. 48, *L. B. O'Leary et al.* v. *The Johnston-Shelton Co.* Doc. 49, *L. B. O'Leary et al.* v. *Sears-Roebuck & Co.*

1,985,499. (See 1,878,366.)

2,007,083. (See Re. 20,544.)

2,010,924, McCormack & Watt, Refrigerating apparatus; 1,724,051, O. M. Summers, same; 1,967,455, same, Shelf clamp; 1,775,492, 1,825,731, H. B. Hull, same; 1,815,315, C. F. Kettering, same; 1,856,040, Krebs & Borchers, Process for producing sulphuric acid; 1,867,539, J. T. Rauen, Refrigerator, D. C., S. D. Ohio, W. Div., Doc. E 418, *General Motors Corp.* v. *Harten-Knodel Distributing Co.* Dismissed Oct. 16, 1939.

2,017,860. (See 1,340,889.)

2,025,688. (See 1,373,957 (*b*).)

2,063,170. (See 1,878,366.) 2,073,103. (See 1,551,314.)

2,073,104. (See 1,551,314.)

2,143,448, I. O'Rourke, Core former for making ducts; 2,143,449, same, filed Oct. 17, 1939, D. C., E. D. N. Y., Doc. 647, *Concrete Conduit Corp.* v. *Roman Stone Construction Co. et al.*

2,143,449. (See 2,143,448.)

2,152,316, R. Kopanski, Antenna, filed Oct. 13, 1939, D. C., E. D. N. Y., Doc. 640, *The Ward Products Corp.* v. *J. Finkel et al.*

2,156,973, W. A. Davis, Extension device; 2,157,076, E. Haeffner, Bracelet construction, filed Oct. 13, 1939, D. C., E. D. N. Y., Doc. C–638, *Gemex Co.* v. *M. Teitelbaum, Inc.*

2,157,076. (See 2,156,973.)

2,160,756, E. J. Schreck, Slipper, D. C., E. D. Wis. (Milwaukee), Doc. 170, *Badger Glove & Slipper Co.* v. *Mondi Mfg. Co.* Consent decree for plaintiff holding patent valid Oct. 17, 1939.

Re. 20,544 (of 2,007,083), C. W. Griffith, Shooting gallery, D. C., S. D. Calif. (Los Angeles), Doc. E 1200 RJ, *Phoebus Corp. et al.* v. *MacDavid-Leddel et al.* Dismissed for lack of prosecution Oct. 9, 1939.

Des. 102,338, D. E. Schwab, Combined bracelet and handkerchief, filed Oct. 11, 1939, D. C., S. D. N. Y., Doc. 6/58, *D. E. Schwab & Co., Inc.*, v. *J. H. Kimball, Inc.*

Des. 114,785, D. I. Cohen, Shoe, filed Oct. 13, 1939, D. C., S. D. N. Y., Doc. 6/72, *M. Cohen & Sons Shoes, Inc.*, v. *Elias Bros., Inc., et al.*

Des. 115,124, A. H. Paschell, Merchandise display rack, filed Sept. 9, 1939, D. C., S. D. Iowa (Des Moines), Doc. 43, *A. H. Paschell* v. *C. E. Erickson Co.*

Des. 115,997, M. Galowitz, Dress, filed Oct. 14, 1939, D. C., S. D. N. Y., Doc. 6/74, *Modern Juniors et al.* v. *Bill Spear et al.*

Des. 116,002, M. Stone, Dress, filed Oct. 11, 1939, D. C., S. D. N. Y., Doc. 6/50, *W. Steinman, Inc.*, v. *B. Berman (Harlene Frocks).*

Des. 117,225, J. Chambart, Dress, filed Oct. 11, 1939, D. C., S. D. N. Y., Doc. 6/46, *M. Levine, Inc.*, v. *P. Kalick et al. (Calbert Dress Co.).* Doc. 6/48, *M. Levine, Inc.*, v. *S. Baer et al. (Baer Bros.).*

Disclaimers

1,607,047.—*Leonard W. Bertelsen, Jr.*, Brooklyn, N. Y. METHOD OF MAKING ARTIFICIAL CORK. Patent dated November 16, 1926. Disclaimer filed December 15, 1939, by the assignee, *Armstrong Cork Company.*

Hereby enters this disclaimer to claims 2, 3, 4, 5, 6, 7, 8, and 9 in said specification.

2,055,506.—*Marcel Schlumberger*, Paris, France. CORE TAKING DEVICE. Patent dated September 29, 1936. Disclaimer filed December 12, 1939, by the assignee, *Schlumberger Well Surveying Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 11, 25, 26, 27, 28, 29, 30, and 31.

2,170,141.—*William D. Hailes* and *Darrol F. De Long*, Rochester, N. Y. CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS. Patent dated August 22, 1939. Disclaimer filed December 14, 1939, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer by disclaiming from claim 9 any system for centralized traffic control, except wherein "the condition of said control circuit for the respective steps of a cycle" depends on the character of the current flowing in a single "circuit extending from said control office through each of said fluid stations";

By disclaiming from claim 10 any system of centralized traffic control, except wherein the "step-by-step mechanism at the control office and at each field station" are controlled in synchronism by apparatus located at said control office and wherein the "condition of said message circuit" is determined by apparatus at a "field station";

By disclaiming from claim 11 any system of centralized traffic control, except wherein the "stepping relays" at the "field station" are controlled by apparatus at a distant control office and "the condition of said message circuit" is determined by apparatus at the "field station";

By disclaiming from claim 28 any system of centralized traffic control, except wherein the "impulses" of the "combination of impulses on said control circuit" comprise successive impulses transmitted over a single "control circuit";

By disclaiming from claim 40 any system of centralized

traffic control, except wherein the "distinctive impulses" are individual current impulses which are by themselves distinctive in character and are transmitted over a single "line circuit";

By disclaiming claim 33 in said patent.

Adjudicated Patents

(D. C. Ill.) Benjamin patent, No. 1,787,032, for fixture construction, *Held* invalid. *Benjamin Electric Mfg. Co.* v. *Bright Light Reflector Co.*, 29 F. Supp. 790.

(D. C. Ill.) Phillips patent, No. 1,834,318, for lighting fixture construction, *Held* invalid. *Id.*

(D. C. Ohio.) Kubes patent, No. 1,956,768, for shipping crate, *Held* invalid. *American Wood Products Corporation* v. *Crane Co.*, 29 F. Supp. 807.

(D. C. Calif.) Joyce patent, No. 2,067,963, for footwear, claims 1, 2, 3, and 4 *Held* valid but not infringed. *Joyce, Inc.*, v. *Solnit*, 29 F. Supp. 787.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,056,219, W. B. Stout and E. H. Wright, Car truck, decided November 28, 1939, claim 20.

Pat. 2,106,831, J. W. Dawson, Electric control system, decided December 20, 1939, claims 1, 2, 3, 4, 10, and 20.

Pat. 2,120,147, A. H. Ide, Collar and cuff, decided December 18, 1939, claims 1 and 2.

Pat. 2,132,623, J. G. Jackson and W. T. Allen, Circuit breaker, decided November 28, 1939, claims 1, 4, and 5.

Changes in Classification

Order No. 3,497, December 18, 1939, directs:

In *class 51, Abrading* (Division 58), establish the following subclass and definition:

Machines
Tumbling devices
164.5 Tumbling shapes.

164.5. Shapes used in connection with tumbling machines to assist in the abrasion of the work pieces.
(1) Note.—For abrasive material, see this class, subclasses 279 and 280.
(2) Note.—For similar shapes, see class 83, MILLS, subclass 9.

The patents contained in this subclass have been taken for the most part from class 51, subclass 279.

In *class 55, Harrows and Diggers* (Division 1), abolish the following subclasses:

10 **Rakes**
114 Heads,
145 Sweepers,
146 Tooth cleaners.

The patents formerly contained in these subclasses have been placed for the most part in class 56, Harvesters, subclasses 400.01 to 400.21, established in this order.

In *class 56, Harvesters* (Division 5), establish the following subclass and definition:

Motor
Cutting only,
26.5 Reciprocating cutter, steered by walking attendant.

26.5. Devices under subclass 25 wherein the cutter is composed of at least one reciprocating blade and the machine is guided or propelled by a walking attendant.
Note.—Compare with this class, subclasses 20, 123 and indented subclasses, 158 and indented subclasses, 232, 240, 242, 243, 257–288, and 296 and indented subclasses.

The patents contained in this subclass have been taken for the most part from class 56, subclass 25.

In *class 56, Harvesters* (Division 5), establish the following subclasses and definitions:

400.01 **Hand rakes**
400.02 Rotary or endless
400.03 Impaling type,
400.04 Combined, convertible and attachments
400.05 With cutter, scraper or spreader
400.06 Directed oppositely to rake,
400.07 Acting simultaneously with rake,
400.08 With cleaner
400.09 With ground support,
400.10 With actuating linkage,
400.11 With guard or material receiver
400.12 Grappling type,
400.13 With ground support,
400.14 With ground support
400.15 Skid or runner type,
400.16 With plural sets of tines,
400.17 Broom type
400.18 Adjustable or expansible,
400.19 Adjustable, folding or take-down
400.20 Biased pivoted head or tines,
400.21 Tines or teeth.

400.01. Rakes designed to be manipulated by hand.
(1) Note.—Compare with this class, subclasses 163 and 180.
(2) Note.—For horse-type rakes, see this class, subclass 375 and indented subclasses.
(3) Note.—For blanks and processes for making rakes, see class 76, METAL TOOLS AND IMPLEMENTS, MAKING, subclass 111.
(4) Note.—For rake handle fastenings per se, see class 206, TOOL-HANDLE FASTENINGS, appropriate subclasses.

400.02. Rakes under subclass 400.01 wherein the tines or teeth are mounted upon a rotary or endless member.
(1) Note.—For rotary horse type rakes, see this class, subclasses 377 and 379 and indented subclasses.
(2) Note.—For brushes with analogous mountings, etc., see class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 78 and indented subclasses.
(3) Note.—For loading machines with endless conveyors provided with tines, see class 198, CONVEYORS, POWER DRIVEN, subclass 13.

400.03. Rakes under subclass 400.02 wherein the teeth are peculiarly adapted to impale leaves and the like in their movement. These devices usually are provided with a material receiver and a means to clear the impaled material from the teeth into the receiver.

400.04. Rakes under subclass 400.01 convertible into tools for other purposes or combined with other tools and not provided for elsewhere. Attachments specifically adapted for connection to a rake are also here included where not provided for elsewhere.
Note.—For hand forks combined with rakes, see class 294, HANDLING, HAND AND HOIST-LINE IMPLEMENTS, subclass 52.

400.05. Combinations under subclass 400.04 of rake and cutter, scraper or spreader. The cutting edge may be formed integral with one or more of the rake tines.
(1) Note.—Compare with this class, subclass 193.
(2) Note.—For combined hoes and weeders, see class 97, PLOWS, subclass 62.

400.06. Combinations under subclass 400.05 wherein the cutter and rake are so mounted upon a common handle that their working edges are directed substantially in opposite directions.

400.07. Combinations under subclass 400.05 wherein the cutter and rake are mounted with their working edges extending in the same general direction so that they may perform work simultaneously during a stroke of the tool.

400.08. Combinations under subclass 400.04 of rake and means operable to remove material from the rake teeth.
(1) Note.—For horse type rakes with clearers, see this class, subclass 395.
(2) Note.—For impaling type rakes with cleaners, see this class, subclass 400.03.
(3) Note.—For harrow tooth cleaners, see class 55, HARROWS AND DIGGERS, subclass 34.
(4) Note.—For comb-attached comb cleaners, see class 132, TOILET, subclass 28.
(5) Note.—For soil treating implements with trash clearers, see class 97, PLOWS, subclass 194.

400.09. Combinations under subclass 400.08 provided with means to support the rake upon the ground for movement thereover. The ground support may be carried by the cleaner.
Note.—For other ground supported hand rakes, see this class, subclasses 400.13, 400.14, and 400.15.

400.10. Combinations under subclass 400.08 having means operable by hand or foot for actuating the rake cleaning means.

(1) Note.—Mere inertia operators which function by turning the rake over or striking it upon the ground, are in this class, subclasses 400.08 and 400.09.
(2) Note.—For pivoted heads or tines, see this class, subclasses 400.19 and 400.20.

400.11. Combinations under subclass 400.04 of rake and means (1) to receive the raked material or (2) to prevent or guard against spillage of material from the rake.
(1) Note.—Additional braces provided between the handle and head of a rake have been considered as guards for purposes of this classification.
(2) Note.—Search this class, subclasses 400.02 and 400.03, for rotary or endless rakes, combined with material receivers.
(3) Note.—For cleaners and actuating means therefor which may incidentally form guards or receivers, see this class, subclass 400.08 and indented subclasses.
(4) Note.—Compare with this class, subclass 400.16.
(5) Note.—For fork or rake type scoops, see class 37, EXCAVATING, subclasses 120 and 121.

400.12. Combinations under subclass 400.11 wherein the guard or receiver comprises means which coact with the tines or teeth to grip the raked material.
Note.—For grapples in general, see class 294, HANDLING, HAND AND HOIST-LINE IMPLEMENTS, appropriate subclasses.

400.13. Rake combinations under subclass 400.11 provided with means to support the rake upon the ground for movement thereover.
Note.—For other hand rakes having ground supports, search this class, subclasses 400.09, 400.14, and 400.15.

400.14. Combinations under subclass 400.04 of rake and means to support the rake upon the ground for movement thereover.
(1) Note.—Search also this class, subclasses 400.09 and 400.13.
(2) Note.—For ground supported rakes of the rotary or endless type, see this class, subclasses 400.02 and 400.03.
(3) Note.—For wheel supported horse type rakes, see this class, subclasses 380, 384, and 396 and their indented subclasses.

400.15. Combinations under subclass 400.14 wherein the ground support is of the skid or runner type.

400.16. Rakes under subclass 400.01 provided with more than one set of tines which may be used simultaneously or alternatively.
Note.—For rakes with sectional heads mounted so as to be movable with respect to each other, see this class, subclasses 400.19 and 400.20.

400.17. Rakes under subclass 400.01 peculiarly adapted to be used in the manner of a broom. The handle and tine fastenings for this type of rake are also classified here.
(1) Note.—Compare with this class, subclass 400.11 and indented subclasses.
(2) Note.—For brooms in general, see class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, appropriate subclasses, particularly subclass 159 and indented subclasses.

400.18 Broom type rakes under subclass 400.17 having means whereby the parts are adjusted, usually to fan out or vary the spacing of the tines.
Note.—For adjustable or folding rakes of other types, see this class, subclass 400.19.

400.19. Rakes under subclass 400.01 so constructed that (1) they may be collapsed or folded or (2) the parts may be adjusted with respect to each other.
(1) Note.—For hand rakes provided with ground supports and means to adjust the distance between the teeth and the ground, see this class, subclasses 400.09, 400.13, 400.14, and 400.15.
(2) Note.—For adjustable broom type rakes, see this class, subclass 400.18.
(3) Note.—For rakes having means adjustable with respect thereto to grapple the raked material, see this class, subclass 400.12.
(4) Note.—For rakes having means adjustable to clean the rake teeth, see this class, subclass 400.08 and indented subclasses.

400.20. Rakes under subclass 400.19 wherein the head or tines are pivotally mounted to yield in one direction against the action of a biasing means. This construction is usually for the purpose of assisting cleaning or to avoid breakage.

400.21. Improvements under subclass 400.01 in the rake tines or teeth per se.
(1) Note.—For teeth of the type which provide plural sets of tines, see this class, subclass 400.16.
(2) Note.—For tines or teeth for horse type rakes, see this class, subclass 400.
(3) Note.—For teeth for broom type hand rakes, see this class, subclasses 400.17 and 400.18.

The patents contained in these subclasses have been taken for the most part from class 55, Harrows and Diggers, subclasses 10, 114, 145, and 146, abolished in this order, and from class 97, Plows, subclasses 61–71.

In *class 7, Compound Tools* (Division 29), in the main class definition, note (2), add:

56—HARVESTERS, subclass 400.04 and indented subclasses;

and in subclass 14.1, number the existing note (*1*) and add:

(2) Note.—For rakes combined with cutters, see class 56, HARVESTERS, subclass 400.05 and indented subclasses.

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27), subclass 79, number the existing note (*1*) and add:

(2) Note.—For hand rakes employed in the manner of a rotary sweeper, see class 56, HARVESTERS, subclasses 400.02 and 400.03;

in subclass 82 number the existing note (*1*) and add:

(2) Note.—For rotary hand rakes, see class 56, HARVESTERS, subclasses 400.02 and 400.03;

and in subclass 159 add the following note:

Note.—For broom type rakes, see class 56, HARVESTERS, subclasses 400.17 and 400.18.

In *class 37, Excavating* (Division 4), subclass 2, number the existing note (*2*) and add:

(1) Note.—For hand stone rakes, see class 56, HARVESTERS, subclass 400.01 and indented subclasses;

in subclass 120, number the existing note (*2*) and add:

(1) Note.—For hand rakes combined with material receivers, see class 56, HARVESTERS, subclasses 400.02, 400.03, and 400.11 and indented subclasses;

and in subclass 121 add the following note:

Note.—For hand rakes having a material receiver and provided with a ground support, see class 56, HARVESTERS, subclass 400.13.

In *class 51, Abrading* (Division 58), subclass 163, after "machines" insert *and abrading shapes for use therewith.*

In *class 52, Explosive, Pyrotechnic, and Match Compositions* (Division 43), subclass 25, add under "Search class":

131—TOBACCO, subclass 7, for combinations of match compositions with tobacco products.

In *class 56, Harvesters* (Division 5), subclass 2, add the following note:

Note.—For convertible hand rakes, see this class, subclass 400.04 and indented subclasses;

in subclass 193 add the following note:

Note.—For hand rakes combined with cutters, see this class, subclass 400.05 and indented subclasses;

in subclass 344 number the existing note (*2*) and add:

(1) Note.—For hand rakes provided with means to receive the raked material, see this class, subclass 400.11 and indented subclasses;

in subclass 345 add the following note:

Note.—For hand rakes having an endless raking member for delivering material into a receiver, see this class, subclasses 400.02 and 400.03.

in subclass 375 cancel the existing note and substitute:

(1) Note.—For hand rakes, see this class, subclass 400.01 and indented subclasses.
(2) Note.—For potato diggers provided with rakes, see class 55, HARROWS AND DIGGERS, subclass 138;

in subclass 395 cancel the existing note and substitute:

Note.—For hand rakes provided with clearing means, see this class, subclass 400.08 and indented subclasses;

in subclass 396 add the following note:

Note.—For hand rakes provided with ground wheels, see this class, subclasses 400.09, 400.13, 400.14, and 400.15;

and in subclass 400 add the following note:

Note.—For structure of the teeth per se of hand rakes, see this class, subclass 400.21.

In *class 88, Optics* (Division 7), subclass 57, in note (2) add:

94—ROADS AND PAVEMENTS, subclass 29;

and in subclass 57.5 number the existing note (*3*) and add:

(1) Note.—For light transmitting sidewalks, see class 94, ROADS AND PAVEMENTS, subclass 27 and indented subclasses.
(2) Note.—For skylight structures, see class 108, ROOFS, subclass 16.

In *class 97, Plows* (Division 1), subclass 5, in the note cancel "also subclass 114"; in subclass 9 add the following note:

(3) Note.—For scrapers combined with hand rakes, see class 56, HARVESTERS, subclass 400.05 and indented subclasses;

in subclass 61 in note (1) cancel "55, Harrows and Diggers" and substitute *56, Harvesters;* in subclass 62 add the following note:

Note.—For hand rakes combined with hoe blades, see class 56, HARVESTERS, subclass 400.05 and indented subclasses;

in subclass 63 cancel note (1) and substitute:

(1) Note.—For hand rakes, see class 56, HARVESTERS, subclass 400.01 and indented subclasses;

in subclass 71 add the following note:

Note.—Compare with the hand rakes in class 56, HARVESTERS, subclass 400.01 and indented subclasses;

and in subclass 194, note (2), in the reference to class 55, Harrows and Diggers, cancel "and 146" and add to the note:

56—HARVESTERS, subclasses 395 and 400.08 and indented subclasses.

In *class 123, Internal Combustion Engines* (Division 28), subclass 191, note (3), cancel "see this class, subclass 49" and substitute therefor:

see class 60, POWER PLANTS, subclass **39** and indented subclasses, particularly subclass 44 and indented subclasses.

In *class 155, Chairs and Seats* (Division 8), subclass 188, in note (10) in the reference to class 135, Tents, Canopies, Umbrellas, and Canes, change "5 and 9" to read *and 5.*

In *class 198, Conveyers, Power Driven* (Division 4), subclass 192, number existing note (2) as (*3*) and add:

(2) Note.—For belt troughing rollers for the purpose of centering and guiding the belt, see this class, subclass 202.

In *class 280, Land Vehicles* (Division 10), subclass 30, add the following note:

(3) **Search Class—**

155—CHAIRS AND SEATS, subclass 41, for chairs convertible into wheeled devices other than a wheeled chair.

In *class 294, Handling, Hand and Hoist-Line Implements* (Division 4), subclass 49, under "Search classes" add:

56—HARVESTERS, subclass 400.12, for hand rakes provided with grapples;

in subclass 50, note (2), in the reference to class 55, Harrows and Diggers, cancel "and 146" and add:

56—HARVESTERS, subclass 400.08 and indented subclasses;

and in subclass 52 cancel the reference to class 55, Harrows and Diggers, number the note (*2*) and add:

(1) Note.—For hand rakes combined with tools other than forks, see class 56, HARVESTERS, subclass 400.04 and indented subclasses.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 9, 1940

[VOL. 510. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 421,524. J. R. MCMAHON, doing business as McMahon Company, Rapid City, S. Dak. Filed July 13, 1939.



Applicant disclaims the words "Registered Brands" per se.

For Alfalfa Seeds, Field and Garden Seeds.

Claims use since May 1, 1938.

Ser. No. 421,584. SHERWIN CORPORATION, Shorewood, Wis. Filed July 14, 1939.

"DEAD ROCK"

No claim is made to the word "Rock" apart from the mark.

For Crushed Stone or Rock, Disintegrated Granite, Decayed or Rotten Stone.

Claims use since June 1, 1939.

Ser. No. 422,222. ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis. Filed Aug. 2, 1939.

ZEBU

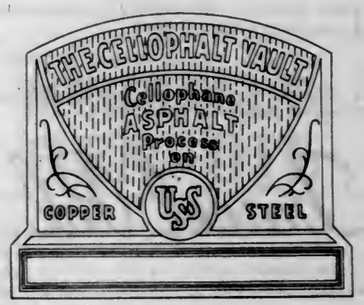
For Leather.

Claims use since 1915.

CLASS 2

Receptacles

Ser. No. 422,368. THE MARION METAL PRODUCTS COMPANY, Marion, Ohio. Filed Aug. 7, 1939.



The drawing is lined for purple. All wording except "Cellophalt" and the letters "U S S" is disclaimed apart from the mark.

For Burial Vaults.

Claims use since June 1, 1939.

Ser. No. 423,292. BROOKS PAPER COMPANY, St. Louis, Mo. Filed Sept. 5, 1939.



The trade-mark comprises a substantially oblong rectangular figure or design of red color usually displayed upon the bottom of the bag.

For Containers—Namely, Transparent Bags Generally Constructed of "Cellophane".

Claims use since Nov. 13, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 421,550. KEITH WARNER, doing business as Kewar Company, Gloversville, N. Y. Filed July 13, 1939.

PRIM PACK

No claim is made to the word "Pack" apart from the mark.

For Billfold Which May Also be Used For Carrying Cosmetics, Cards, Keys, etc.

Claims use since Aug. 1, 1938.

Ser. No. 425,191. S. DRESNER & SON, INC., Chicago, Ill. Filed Nov. 3, 1939.

Dres-Robe

For Hand Luggage—Viz., Ladies' Wardrobe Cases.

Claims use since January, 1933.

Ser. No. 425,194. S. DRESNER & SON, INC., Chicago, Ill. Filed Nov. 3, 1939.

Travel Pal

For Toilet Cases.

Claims use since April, 1939.

Ser. No. 425,633. THE F. H. WHITE COMPANY, Philadelphia, Pa. Filed Nov. 14, 1939.

VAN-O-NITE

For Hand Bags.

Claims use since Aug. 21, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 424,977. THE STANDARD SUPPLY COMPANY, New Haven, Conn. Filed Oct. 27, 1939.

Estox

For Cleaning Compounds and Detergents for Cleaning Dishes, Glassware, Metals, Floors, Painted Walls, Bath Tubs, and for General Cleaning.

Claims use since June 1, 1938.

CLASS 5

Adhesives

Ser. No. 421,604. HARRY FRIEDMAN, doing business as Commercial Rubber Co., Los Angeles, Calif. Filed July 15, 1939.

LIQUID CUSHION

No claim is made to the word "Liquid" apart from the mark.

For Specially Processed Cement Used for Making Rubber Tacky.

Claims use since July 10, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 402,902. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed Feb. 10, 1938.

VIKOSPRA

For Dust Settling Oil for Settling Coal Dust and the Like.

Claims use since Feb. 1, 1935.

Ser. No. 413,084. ARTHUR STEINBERG, Philadelphia, Pa. Filed Nov. 23, 1938.

KOAGAMIN COAGULANT

No claim is made to the word "Coagulant" apart from the mark.

For Hemostatic Preparations.

Claims use since May, 1938.

Ser. No. 414,504. PINE PRODUCTS DISTRIBUTING COMPANY, Patrick, S. C. Filed Jan. 4, 1939.

TARPINOL

For Medicinal Pine Tar Oil Preparation Used as an Antiseptic and Germicide.

Claims use since Aug. 15, 1938.

Ser. No. 414,506. PINE PRODUCTS DISTRIBUTING COMPANY, Patrick, S. C. Filed Jan. 4, 1939.



For Medicinal Pine Tar Oil Preparation Used as an Antiseptic and Germicide.

Claims use since Aug. 15, 1938.

Ser. No. 418,078. UNITED TOILET GOODS CORP., New York, N. Y. Filed Apr. 10, 1939.



For Toilet Water, Sachet, Bath Powder, Water Softener, Compressed Sachet, Pot Pouri, Perfume, Talcum Powder, and a Sachet Compact.

Claims use since Feb. 9, 1939.

Ser. No. 418,988. G. SALEVA & CO., New York, N. Y. Filed May 2, 1939.

TROPICALE

For Cosmetics, Including Cleansing Creams, Foundation Creams, Nourishing Creams, Hand Creams, Skin Tonics, Sachets, Talcum Powder, Perfumes, Face Powder, Rouges, Lipsticks, Hand and Cream Lotions, Astringent Creams, Hair Shampoo, and Tonic and Hair Oil.

Claims use since Apr. 11, 1939.

Ser. No. 419,521. JOHNSON & GORDON, New York, N. Y. Filed May 17, 1939.

FLORAPHEN

For Ointment or Liquid for External Use in the Treatment of Skin Disorders, Infections, Burns, and Sunburns.

Claims use since Jan. 1, 1939.

Ser. No. 421,741. LEADING PERFUMERS & CHEMISTS, INC., New York, N. Y. Filed July 19, 1939.

Pan-American

No claim is made to the word "American" apart from the mark.

For Cosmetics—Namely, Perfumes, Toilet Waters, Face Powders, Lipsticks, Rouges, Face Creams, Dusting Powders, Colognes, Sachets, Lotions, Brilliantines, Hair-Tonics, Hair Dressings, and Bath Salts.

Claims use since June 1, 1939.

Ser. No. 421,872. DEMETRIOS EMMANUEL CONDOYIANNIS, doing business as Growzon Company, Norfork, Va. Filed July 24, 1939.



The portraits are fanciful. All wording except "Growzon" is disclaimed apart from the mark.

For Hair Dressing.

Claims use since Apr. 6, 1937.

Ser. No. 422,293. J. S. MERRELL DRUG CO., St. Louis, Mo. Filed Aug. 4, 1939.

MERRELL'S PEN-OIL

No claim is made to the word "Oil" apart from the mark.

For Liniment for Sore and Stiff Muscles, Sprains, Muscular Cramps, Strains, Bruises, Insect Bites, Chest Colds, and for Use as a Counter-Irritant for Simple Neuralgia and Stiff Neck, Due to Exposure and Drafts.

Claims use since January, 1878, for the word "Merrell's"; and since July 22, 1939, for the complete mark.

Ser. No. 422,776. DUTCH ELLIS, Monticello, Ill. Filed Aug. 19, 1939.

Dutch Ellis

The mark consists of applicant's facsimile signature.

For Preparation for Killing Weeds.

Claims use since Aug. 1, 1939.

Ser. No. 422,982. BOTANY WORSTED MILLS, Passaic, N. J. Filed Aug. 25, 1939.

BOTANY

For Lanolin and Cleansing Cream.

Claims use since Aug. 8, 1939.

Ser. No. 423,401. STANDARD GAS AND EQUIPMENT COMPANY, Plaquemine, La. Filed Sept. 1, 1939.

Stanalene

The Gas That Saves

The drawing is lined for red. The words "The Gas That Saves" are not a part of the mark.

For Butane, a Liquefied Petroleum Gas.

Claims use since Oct. 1, 1938.

Ser. No. 423,652. E. R. ASHBROOK, doing business as Mission Chemical Company, Kansas City, Mo. Filed Sept. 16, 1939.

DANDELEX

For Chemicals Used for the Destruction of Dandelions.
Claims use since Jan. 1, 1939.

Ser. No. 423,722. CASTILL CHEMICAL COMPANY, Baltimore, Md. Filed Sept. 19, 1939.

RESCEIN



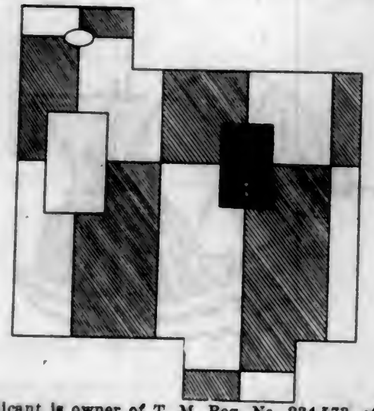
For Pharmaceutical Preparation Used in the Treatment of Cutaneous Fungous Infections, Athlete's Foot, or Any of Its Symptoms.
Claims use since Sept. 9, 1939.

Ser. No. 423,791. CAMPANA CORPORATION, Batavia, Ill. Filed Sept. 21, 1939.



Applicant is owner of T. M. Reg. No. 234,573, under the 10-year proviso for the words "Italian Balm". The drawing is lined for the color green. The black, white, and green color scheme is an essential feature of the mark. Applicant disclaims the shape of the label.
For Lotions for the Skin.
Claims use since Feb. 10. 1932.

Ser. No. 423,792. CAMPANA CORPORATION, Batavia, Ill. Filed Sept. 21, 1939.



Applicant is owner of T. M. Reg. No. 234,573, effected under the 10-year proviso. The drawing is lined for green. The black, white, and green color scheme is an essential feature of the mark. Applicant makes no claim to the shape of the carton.
For Lotions for the Skin.
Claims use since Feb. 10, 1932.

Ser. No. 423,793. CAMPANA CORPORATION, Batavia, Ill. Filed Sept. 21, 1939.

Campana
Italian

Applicant is owner of T. M. Reg. No. 234,573, effected under the 10-year proviso.
For Lotions for the Skin.
Claims use since June 28, 1939.

Ser. No. 423,794. CAMPANA CORPORATION, Batavia, Ill. Filed Sept. 21, 1939.

Campana
Italian
Balm

Applicant is owner of T. M. Reg. No. 234,573, effected under the 10-year proviso.
For Lotions for the Skin.
Claims use since June 28, 1939.

Ser. No. 423,795. CAMPANA CORPORATION, Batavia, Ill. Filed Sept. 21, 1939.

Campana

Balm

Applicant disclaims the word "Balm" except in association with the word "Campana".
For Lotions for the Skin.
Claims use since June 28, 1939.

Ser. No. 423,997. CHEMICAL CONCENTRATION COMPANY, Memphis, Tenn. Filed Sept. 28, 1939.

A Bacteria Controller
A B C
The Modern Germicide

The words "A Bacteria Controller" and "The Modern Germicide" are disclaimed apart from the mark.
For Disinfectant, Deodorant and Insecticide in Liquid Form.
Claims use since July 17, 1939.

Ser. No. 424,157. COCHAR PRODUCTS, INC., Manila, P. I. Filed Oct. 3, 1939.

COCHAR

For Activated Carbon Having a General Use in the Industrial Arts.
Claims use since Sept. 16, 1939.

Ser. No. 424,343. VINCENT CHRISTINA INC., New York, N. Y. Filed Oct. 9, 1939.

THIOARSON

For Preparation—Namely, a Pentavalent Arsenical for Use in Syphilis Therapy via either the Intravenous or Intramuscular Route.
Claims use since February, 1939.

Ser. No. 424,602. CARMELO PICCIOTTO, Everett, Mass. Filed Oct. 16, 1939.

KAR-MEL-O'S

For Preparation for Use on the Hair.
Claims use since July, 1938.

Ser. No. 424,755. PAUL S. CASEY, doing business as Vitamineral Products Company, Peoria, Ill. Filed Oct. 20, 1939.

VIAFERM

For Compound Containing Various Minerals to be Mixed with Feed Rations of Animals for Purposes of Correcting and Preventing Feed Deficiencies.
Claims use since Apr. 1, 1921.

Ser. No. 424,925. BERT F. MAXWELL, doing business as Maxfal Chemical Company, Brooklyn, N. Y. Filed Oct. 26, 1939.

F-U-S-O-L

For Chemical Preparation for removing Carbon and Other Impurities from Oil Heating Systems, Such as for Removing the Sludge from Oil Storage Tanks, and the Elimination of Carbon from Oil Heaters, Burners, Strainers, and Connections Therebetween.
Claims use since Jan. 1, 1939.

Ser. No. 424,926. MINERALIZED FOODS, INC., Baltimore, Md. Filed Oct. 26, 1939.

OCEAN-LAX

For Laxative Preparation.
Claims use since Aug. 1, 1939.

Ser. No. 424,934. WALKER, CORP. & CO., INC., Syracuse, N. Y. Filed Oct. 26, 1939.

EVAC-U-GEN

For Laxative Tablets.
Claims use since April, 1928.

Ser. No. 424,953. THE CARTER OIL COMPANY, Tulsa, Okla. Filed Oct. 27, 1939.

UNIFIL

For Antifreeze Compound.
Claims use since Sept. 15, 1939.

Ser. No. 424,965. GORDON M. MACNEILL, Lynbrook, N. Y. Filed Oct. 27, 1939.

DENTRILLA

For Liquid Dentifrices.
Claims use since September, 1937.

Ser. No. 425,054. HEALTHAIDS, INC. OF NEW JERSEY, Newark, N. J. Filed Oct. 30, 1939.



For Preparation for Use as a Food Auxiliary and Constipation Corrective for Dogs in the Nature of a Non-Medicinal Laxative.
Claims use since Jan. 17, 1939.

Ser. No. 425,061. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 30, 1939.



For Smoked Salt for Curing Meats and Fish.
Claims use since Oct. 16, 1939.

Ser. No. 425,062. S. PFEIFFER MFG. CO., St. Louis, Mo. Filed Oct. 30, 1939.

SOLMON

For Antiseptic.
Claims use since Aug. 1, 1939.

Ser. No. 425,070. STERILE PRODUCTS COMPANY, INC., San Diego, Calif. Filed Oct. 30, 1939.

ORACLENZ

For Tablets to be Dissolved in Water for Making a Solution to be Used as a Mouth Wash and Gargle.
Claims use since June 20, 1939.

Ser. No. 425,072. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 30, 1939.

Nicolexin

For Medicinal Preparation for the Treatment of Vitamin and Nutritional Deficiencies.
Claims use since Oct. 20, 1939.

Ser. No. 425,073. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 30, 1939.

Betascorbate

For Medicinal Substance for the Treatment of Vitamin and Nutritional Disorders.
Claims use since Oct. 18, 1939.

Ser. No. 425,137. GEORGE C. BROWN, doing business as Brown Co., Buffalo, N. Y. Filed Nov. 2, 1939.

BROWNIE'S



The portrait is that of applicant.
For Cough Syrup.
Claims use since July 31, 1939.

Ser. No. 425,144. GABRIELEEN COMPANY, INC., Chicago, Ill. Filed Nov. 2, 1939.

GABRIELEEN Adepsol

For Liquid for Hair Waving.
Claims use since June 14, 1939.

Ser. No. 425,154. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed Nov. 2, 1939.

Norolar

For Internal Lubricants, Laxatives and a Preparation for Treating Constipation.
Claims use since Oct. 25, 1939.

Ser. No. 425,174. WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Vt. Filed Nov. 2, 1939.

DIAMOND
OLD NAVAHO

For Dyes.
Claims use since Aug. 30, 1927.

Ser. No. 425,248. THE MALTINE COMPANY, New York, N. Y. Filed Nov. 4, 1939.

HETOXIN

For Antiseptics and Deodorants for Use in Treating Certain Skin Conditions.
Claims use since Sept. 26, 1939.

Ser. No. 425,297. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Nov. 6, 1939.

NEO-APOIDIN

For Gonadotropic Preparation for Use in Treatment of Certain Sex Hormone Deficiencies.
Claims use since Oct. 20, 1939.

Ser. No. 425,300. THE PAUL PLESSNER COMPANY, Detroit, Mich. Filed Nov. 6, 1939.

FERONEX

For Preparation Indicated for Use in the Treatment of Iron Deficiencies and Secondary Anemias.
Claims use since Oct. 1, 1939.

Ser. No. 425,335. INLAND LABORATORIES, INCORPORATED, Indianapolis, Ind. Filed Nov. 7, 1939.

Charmafure

For Perfume.
Claims use since Oct. 27, 1939.

Ser. No. 425,435. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

ESSO

For Anti-Freeze Compounds, Leak Stopping and Rust Preventing Compounds.
Claims use since Oct. 4, 1939, on leak stopping and rust preventing compounds; and since Aug. 8, 1938, on antifreeze compounds.

Ser. No. 425,436. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

ESSO

For Anti-Freeze Compounds, Leak Stopping and Rust Preventing Compounds.
Claims use since Oct. 4, 1939, on leak stopping and rust preventing compounds; and since Aug. 8, 1938, on antifreeze compounds.

Ser. No. 425,522. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Filed Nov. 10, 1939.

HI-VISIBILITY

For Soda Ash.
Claims use since Oct. 10, 1939.

Ser. No. 425,618. MIFFLIN SALES COMPANY, Philadelphia, Pa. Filed Nov. 14, 1939.

RIC

For Perfume Sticks.
Claims use since Nov. 6, 1939.

Ser. No. 425,689. DOAK COMPANY, INC., Cleveland, Ohio. Filed Nov. 16, 1939.

MEROXIDE

For Dermato-Therapeutic Medication.
Claims use since Apr. 1, 1939.

Ser. No. 425,734. ENDO PRODUCTS, INC., New York, N. Y. Filed Nov. 17, 1939.

VIFORT

For Medicinal Preparation Used to Supply Vitamins A, B, C, D in One True Solution.
Claims use since Aug. 1, 1939.

Ser. No. 425,805. PARFUMERIE ROGER ET GALLET, SOCIÉTÉ ANONYME, Paris, France. Filed Nov. 18, 1939.

ANTHÉA

For Perfumes, Toilet Waters, Face and Toilet Powders, Powder and Rouge Compacts, Rouges, Lipsticks, Bath Salts, Lotions, Creams, and Cosmetics for Beautifying and Preserving the Skin and Hair, and Sachets.
Claims use since 1892.

Ser. No. 425,833. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 20, 1939.

ARPRO

For Wheat Germ Oil for Veterinary and Human Use.
Claims use since Nov. 17, 1939.

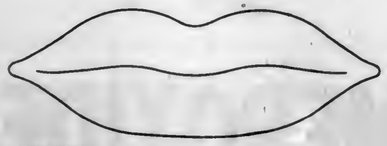
Ser. No. 425,845. FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Nov. 20, 1939.

KALSILATE

For Preparation Used in the Treatment of Muscular Aches and Pains and Certain Rheumatic Conditions.
Claims use since Nov. 10, 1939.

Ser. No. 425,990. THORPE W. DEAKERS, doing business as Javelin Company, Los Angeles, Calif. Filed Nov. 27, 1939.

JAVELIN



For Lipstick.
Claims use since Sept. 15, 1939.

Ser. No. 426,047. BOURJOIS, INC., New York, N. Y. Filed Nov. 29, 1939.

COURAGE

For Perfume and Face Powder.
Claims use since Nov. 17, 1939.

Ser. No. 426,085. FRANCES DENNEY, Philadelphia, Pa. Filed Nov. 30, 1939.

Watermelon

For Face Powder, Lipstick, and Rouge.
Claims use since Nov. 27, 1939.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 425,251. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Nov. 4, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

NATIONAL CO-OP COOPERATIVES

For Matches, Dynamite, Fuses, Blastng Caps, Fire Crackers, Fireworks, Air Rifles, Rifles and Parts Thereof, Shot Guns and Parts Thereof, Revolvers, Cartridges, Shot Gun Shells, Shot Gun Shell Vests and Belts, Cartridge Belts, Leather and Canvas Gun Cases, and Holsters.
Claims use since December, 1929.

CLASS 10

Fertilizers

Ser. No. 425,738. GROWERS FERTILIZER COMPANY, Fort Pierce, Fla. Filed Nov. 17, 1939.

Vi-T-EL

For Fertilizers.
Claims use since Sept. 29, 1938.

Ser. No. 425,817. SYNTHETIC NITROGEN PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 18, 1939.

NITROPHOSKA

For Fertilizers.
Claims use since October, 1926.

CLASS 12

Construction Materials

Ser. No. 411,858. CRAWFORD DOOR COMPANY, Detroit, Mich. Filed Oct. 21, 1938.

Craw Fir Dor

SELF-ENERGIZING ONE-PIECE UPWARD-ACTING

The words "Fir Dor Self-Energizing One-Piece Upward-Acting" are disclaimed apart from the mark.
For Garage Doors and Parts Thereof Such as Counterbalancing and Track Means.
Claims use since Oct. 4, 1938.

Ser. No. 418,982. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa. Filed May 2, 1939.

PC

ARGUS

The drawing is lined for blue.
For Architectural Glass—Namely, Ornamental Plate Glass with Surface Designs in Relief or Intaglio, Figured Flat Glass, Glass Blocks, and Analogous Glass Shapes for Architectural Use.
Claims use since Mar. 1, 1938.

Ser. No. 418,983. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa. Filed May 2, 1939.

PC

BALTIC

The drawing is lined for brown. The word "Baltic" is disclaimed apart from the mark.
For Architectural Glass—Namely, Ornamental Plate Glass with Surface Designs in Relief or Intaglio, Figured Flat Glass, Glass Blocks, and Analogous Glass Shapes for Architectural Use.
Claims use since Sept. 1, 1938.

Ser. No. 418,984. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa. Filed May 2, 1939.

PC

DECORA

The drawing is lined for red.
For Architectural Glass—Namely, Ornamental Plate Glass with Surface Designs in Relief or Intaglio, Figured Flat Glass, Glass Blocks, and Analogous Glass Shapes for Architectural Use.
Claims use since Mar. 1, 1938.

Ser. No. 418,985. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa. Filed May 2, 1939.

PC

SAXON

The drawing is lined for the color "green".
For Architectural Glass—Namely, Ornamental Plate Glass with Surface Designs in Relief or Intaglio, Figured Flat Glass, Glass Blocks, and Analogous Glass Shapes for Architectural Use.
Claims use since Sept. 1, 1938.

Ser. No. 418,986. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa. Filed May 2, 1939.

PC

For Architectural Glass—Namely, Ornamental Figured Glass, Decorative Transparent and Translucent Plate Glass, Figured Flat Glass, Sculptured Glass Panels, Glass Blocks, and Analogous Glass Shapes for Architectural Use.
Claims use since Mar. 1, 1938.

Ser. No. 424,923. LORD & BURNHAM COMPANY, Des Plaines, Ill. Filed Oct. 26, 1939.

Orlyt

For Portable or Knockdown Buildings.
Claims use since Oct. 17, 1939.

Ser. No. 425,079. THE RUBEROID CO., Bound Brook, N. J., and New York N. Y. Filed Oct. 30, 1939.

ARISTO-BRIC

Applicant disclaims the word "Bric" apart from the mark.
For Asphalt Sidings.
Claims use since Apr. 1, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 425,007. NORTON-MCMURRAY MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 28, 1939.

NORMAC

For Brass, Copper, Iron, and Steel Pipe, Brass, Copper, Iron, and Steel Pipe Fittings, Pipe Clamps, and Meter Bars.
Claims use since June 21, 1938.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 424,355. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Oct. 9, 1939.



For Castings Made of Nickel-Copper Alloys.
Claims use since May 20, 1932.

Ser. No. 424,356. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Oct. 9, 1939.



For Castings made of Nickel-Copper Alloys.
Claims use since Jan. 30, 1936.

Ser. No. 424,357. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Oct. 9, 1939.



For Nickel Hot Rolled Rounds, Squares, Hexagons, and Wire Rods; Nickel Cold Drawn Rounds, Squares, Hexagons, and Wire; and Nickel Cold Rolled Strips.
Claims use since Sept. 17, 1937.

CLASS 15

Oils and Greases

Ser. No. 408,367. PENNSYLVANIA GRADE CRUDE OIL ASSOCIATION, Oil City, Pa. Filed July 12, 1938. Under the act of February 20, 1905, as amended June 10, 1938.



The expressions "Guaranteed 100% Pure Pennsylvania Oil" and "Made From the Highest Grade Crude Oil in the World" are disclaimed apart from the mark.
For Lubricating Oils and Greases.
Claims use since Sept. 13, 1932.

Ser. No. 408,368. PENNSYLVANIA GRADE CRUDE OIL ASSOCIATION, Oil City, Pa. Filed July 12, 1938. Under the act of February 20, 1905, as amended June 10, 1938.



The expression "Guaranteed 100% Pure Pennsylvania Oil" is disclaimed apart from the mark.
For Lubricating Oils and Greases.
Claims use since Sept. 16, 1924.

Ser. No. 410,244. PENNSYLVANIA GRADE CRUDE OIL ASSOCIATION, Oil City, Pa. Filed Sept. 6, 1938. Under the act of February 20, 1905, as amended June 10, 1938.



The expressions "Guaranteed 100% Pure Pennsylvania Oil" and "Made From the Highest Grade Crude Oil in the World" are disclaimed apart from the mark.
For Lubricating Oils and Greases.
Claims use since Dec. 10, 1932.

CLASS 16

Paints and Painters' Materials

Ser. No. 382,732. WESCO FOODS COMPANY, Cincinnati, Ohio. Filed Aug. 29, 1936.

AVALON

For Furniture Polish.
Claims use since July 31, 1936.

Ser. No. 411,577. A. C. HORN COMPANY, Long Island City, N. Y. Filed Oct. 13, 1938.

MEGOHM-LAC

The word "Lac" is disclaimed apart from the mark.
For Varnishes, Lacquers, and Enamels.
Claims use since Sept. 1, 1938.

Ser. No. 412,707. WM. E. HOOPER & SONS COMPANY, Baltimore, Md. Filed Nov. 14, 1938.

MARINE

CHIEF

The word "Marine" is disclaimed apart from the mark.
For Ready Mixed Paints, Especially for Boats, Piers, Piles, and Other Wood and Metal Constructions Which are Exposed to the Destructive Action of Bacteria, Animal Life, and Vegetable or Marine-Growths Which are Encountered in Fresh and Salt Water.
Claims use since Mar. 8, 1938.

Ser. No. 416,876. STEEL PROTECTION AND CHEMICAL CO. INC., Mooresville, Ind. Filed Mar. 9, 1939.

PLASTEX

For Enamels and Other Protective Coatings in the Nature of Paints.
Claims use since Dec. 1, 1937.

Ser. No. 424,726. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Oct. 20, 1939.

=I-C=
FINISH

The word "Finish" is disclaimed apart from the mark.
For Mixtures of Oleaginous, Waxy, and Associated Materials, Including Solvents, for Application as Finishes and Polishes for Floors of all Kinds, Interior Woodwork, Desks, Furniture, and the like surfaces.
Claims use since Oct. 9, 1929.

Ser. No. 425,344. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.



CHINK OIL

The word "Oil" is not claimed apart from the mark.
For Paint Oil and Varnish.
Claims use since September, 1934.

Ser. No. 425,346. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.

FLO-TEC

For Varnish Floor Sealer.
Claims use since Nov. 12, 1936.

Ser. No. 425,348. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.



LUSTARITE

For Semi-Gloss Wall Paint.
Claims use since March, 1934.

Ser. No. 425,349. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.



Southern White

The word "White" is disclaimed apart from the mark.
For Semi-Paste Paint.
Claims use since Sept. 27, 1934.

Ser. No. 425,350. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.

B.L.P.

SPEED FLOOR

The word "Floor" is not claimed apart from the mark.
For Floor Varnish.
Claims use since Oct. 8, 1931.

Ser. No. 425,361. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.

THERMOSTATIC

For Heat Resisting Paints.
Claims use since July, 1934.

CLASS 17

Tobacco Products

Ser. No. 425,417. MARTA CIGAR COMPANY, New York, N. Y. Filed Nov. 8, 1939.

TAMPS

For Cigars.
Claims use since June 26, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 422,897. THE HERMAN BODY COMPANY, St. Louis, Mo. Filed Aug. 23, 1939.

ROLLING BILLBOARD

For Motor Truck and Trailer Vehicles.
Claims use since June 19, 1939.

Ser. No. 424,711. BROOKS EQUIPMENT AND MFG. CO., Knoxville, Tenn. Filed Oct. 20, 1939.

LOAD LUGGER

For Industrial Trucks Equipped for Loading, Hauling, and Dumping, and Suitable for Such Work as Building Roads and the Like.
Claims use since April, 1938.

Ser. No. 424,901. WILLIAM A. BROWN, Philadelphia, Pa. Filed Oct. 26, 1939.

STOP-AND-GO

For Wheels—Namely, Driving and Driven, Vehicle Wheels and All Forms of Shock Absorbing Vehicle Wheels Commonly Designated as Resilient, Cushion, and Flexible Wheels, and All Parts Thereof—Namely, Hubs, Spokes, Drums, Discs, and Rims.
Claims use since Jan. 13, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 412,973. THE HOOVER COMPANY, North Canton, Ohio. Filed Nov. 19, 1938.



The trade-mark consists of a single broad longitudinal stripe on suction cleaner bag asymmetric with respect to the median axis on the bag, and is applied to the bag by painting or weaving in a manner to produce the mark in a different shade from the body. No claim is made to the bag shape or accessories illustrated.
For Filter Bags for Electric Suction Cleaners.
Claims use since Oct. 15, 1938.

Ser. No. 424,920. LETERSTONE SALES COMPANY, Chicago, Ill. Filed Oct. 26, 1939.

Powerflo

For Electrical Flash Lights and Bicycle Lights.
Claims use since July 1, 1939.

Ser. No. 424,956. ELECTROMASTER INC., Detroit, Mich. Filed Oct. 27, 1939.

MEALMASTER

For Electrically Heated Combined Roaster and Broiler.
Claims use since Sept. 1, 1939.

Ser. No. 425,171. VIDRIO PRODUCTS CORPORATION, Chicago, Ill. Filed Nov. 2, 1939.

LIQUI-MIXER

The term "Mixer" is disclaimed apart from the mark.
For Electrically Operated Household Machine for Mixing Food and Drink Substances, Including the Reduction to Pulp of Vegetable and Related Material.
Claims use since May 1, 1939.

Ser. No. 425,172. VIDRIO PRODUCTS CORPORATION, Chicago, Ill. Filed Nov. 2, 1939.

Waldorf

For Electrically Operated Household Machine for Mixing Food and Drink Substances, Including the Reduction to Pulp of Vegetable and Related Material.
Claims use since May 1, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 412,708. WM. E. HOOPER & SONS COMPANY, Baltimore, Md. Filed Nov. 14, 1938.

MARINE

CHIEF

For Fishing Lines, Fishing Nets, Treated With a Compound to Protect Them from the Destructive Action of Abrasion, Bacteria, Animal Life, and Vegetable or Marine Growths.
Claims use since Mar. 8, 1938.

Ser. No. 421,275. LUHR JENSEN, Hood River, Oreg. Filed July 4, 1939.

FORD FENDER

For Fishing Lures.
Claims use since June 23, 1936.

Ser. No. 425,325. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Nov. 7, 1939.

CASH & CARRY

For Board Games.
Claims use since Oct. 31, 1939.

Ser. No. 425,330. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 7, 1939.

PATROL

For Floats for Fishing Tackle.
Claims use since Oct. 12, 1939.

Ser. No. 425,631. TRIMBLE NURSERYLAND FURNITURE, INC., Rochester, N. Y. Filed Nov. 14, 1939.

baby.go.round

For Baby Walkers.
Claims use since Aug. 31, 1939.

Ser. No. 425,677. VOLUME SPRAYER MANUFACTURING COMPANY, INC., Tulsa, Okla. Filed Nov. 16, 1939.

SHELL-OUT

For Board Games.
Claims use since Sept. 20, 1939.

Ser. No. 425,696. R. W. ELDRIDGE COMPANY, INC., Charlotte, N. C. Filed Nov. 16, 1939.

DOLLY ANN

For Cut-Out or Doll Dresses.
Claims use since Aug. 24, 1939.

Ser. No. 426,052. CORELESS GOLF BALL COMPANY, Wilmington, Del. Filed Nov. 29, 1939.

ARB-O-RON

For Golf Balls.
Claims use since Nov. 13, 1939.

Ser. No. 426,151. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 2, 1939.

Submarine Chaser

For Table Game Having Movable Playing Pieces.
Claims use since Nov. 1, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 417,479. LEWIS BERK, New York, N. Y. Filed Mar. 25, 1939.

"400"

For Safety Razors and Razor Blades.
Claims use since Dec. 6, 1938.

Ser. No. 423,073. LANDON P. SMITH, INC., Irvington, N. J. Filed Aug. 28, 1939.

Red Devil

For Floor Sanding Machinery and Parts Thereof.
Claims use since July 28, 1939.

Ser. No. 423,692. CHEFFORD MASTER MANUFACTURING CO., INC., Fairfield, Ill. Filed Sept. 18, 1939.

AIRTEX

For Fuel Pumps for Power Engines and Parts Thereof.
Claims use since Sept. 1, 1938.

Ser. No. 424,725. INGERSOLL-RAND COMPANY, New York, N. Y. Filed Oct. 20, 1939.

JACKMILL

For Milling Machines.
Claims use since Apr. 18, 1939.

Ser. No. 425,620. FREDERICK PARKER LIMITED, Leicester, England. Filed Nov. 14, 1939.

KUBIT

For Machines for Crushing or Breaking Stone, Slag, Gravel, and Similar Materials.
Claims use since Jan. 24, 1931.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 419,620. MATCH KING, INC., Chicago, Ill. Filed May 20, 1939.

FLASHMASTER

For Cameras With Built-in Batteries and Synchronized Flash Light Attachment, Photographic Lenses, and Sensitized Photographic Films.
Claims use since Nov. 14, 1934.

Ser. No. 420,283. MARTIN-COPELAND COMPANY, Providence, R. I. Filed June 8, 1939.

CAMLOC

For Ophthalmic Mountings and Parts of Ophthalmic Mountings.
Claims use since Apr. 19, 1939.

Ser. No. 422,978. BERMAN-MYERS, INC., New York, N. Y. Filed Aug. 25, 1939.

MINI FLASH
MFD. BY BERMAN-MEYERS, INC. NEW YORK, N.Y.

No claim is made to "Mfd. by", "New York, N. Y.", or "Flash" apart from the mark.
For Device Having an Electrical Circuit for Igniting a Photographic Flash Bulb in Synchronism with the Shutter of an Associated Camera.
Claims use since June 1, 1939.

Ser. No. 425,440. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Nov. 8, 1939.

Univex Ace

For Cameras.
Claims use since Mar. 9, 1939.

Ser. No. 425,591. PATTERSON O. STEWART, doing business as Electro Products Company, New York, N. Y. Filed Nov. 13, 1939.

COILMASTER

For Ignition Test Instruments.
Claims use since Oct. 12, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 425,470. STANLEY M. GOWER, doing business as The Autodent Company, Skowhegan, Maine. Filed Nov. 9, 1939.

Autodent

For Tooth Brush Handles.
Claims use since Oct. 19, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 422,952. NEW ENGLAND BEDDING COMPANY, Medford, Mass. Filed Aug. 24, 1939.

RITE-HITE

For Couches.
Claims use since February, 1939.

Ser. No. 425,451. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Nov. 9, 1939.

Dura-Craft

For Living Room, Dining Room, and Bedroom Furniture—Namely, Davenports, Chairs, Love Seats, Chaise Longues, Studio Couches, End Tables, Coffee Tables, Cocktail Tables, Occasional Tables, Lamp Tables, Drop Leaf Tables, Console Tables, Tilt Top Tables, Gate Leg Tables, Card Tables, Cabinets, Sewing Cabinets, Magazine Racks, Smoke Stands, Desks, Book Racks, Bookcases, Wall Racks, Hanging Shelves, Buffets, China Cabinets, Serving Tables, Dining Room and Dinette Tables and Chairs, Beds, Dressers, Chests, Cedar Chests, Vanities, Mattresses, Bed Springs, Box Springs, Bedroom Chairs; Porch Furniture—Namely, Chairs, Rockers, Settees, Tables, and Gliders; Juvenile Furniture—Namely, Cribs and High Chairs.
Claims use since Aug. 5, 1939.

Ser. No. 425,767. USHCO MANUFACTURING COMPANY INC., Buffalo, N. Y. Filed Nov. 17, 1939.

USHCO

For Upholstered Furniture.
Claims use since Oct. 27, 1939.

Ser. No. 426,122. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Dec. 1, 1939.

METALITE

For Venetian Blinds and Parts Thereof.
Claims use since Mar. 1, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 423,735. MAY OIL BURNER CORPORATION, Baltimore, Md. Filed Sept. 19, 1939.

DUAL UTILITY

For Oil Burners, Oil Filters for Oil Burners, Blowers for Oil Burners, Boilers for Oil Burning, Hot Water Heaters for Oil Burning, Combustion Chambers for Oil Burners, Boilers, and Furnaces, Oil Burning Heating Boiler Units, and Oil Burning Air Conditioning Units.
Claims use since Sept. 7, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 417,524. CRANE PACKING COMPANY, Chicago, Ill. Filed Mar. 27, 1939.

JOHN CRANE
CRANELITE

The name "John Crane" is disclaimed apart from the mark.
For Nonmetallic Washers and Discs for Packing Purposes.
Claims use since Mar. 9, 1938.

Ser. No. 425,568. THE GATES RUBBER COMPANY, Denver, Colo. Filed Nov. 13, 1939.

CONGRESS

For Pneumatic Vehicle Tires.
Claims use since Jan. 1, 1928.

CLASS 36

Musical Instruments and Supplies

Ser. No. 424,366. PERMO PRODUCTS CORPORATION, Chicago, Ill. Filed Oct. 9, 1939.

FIDELITONE

For Phonograph Needles.
Claims use since Aug. 3, 1939.

Ser. No. 424,740. RECOTON CORPORATION, New York, N. Y. Filed Oct. 20, 1939.

RECOTON

For Phonograph Needles and Phonograph Parts.
Claims use since Jan. 1, 1937.

CLASS 37

Paper and Stationery

Ser. No. 425,337. MILTON C. JOHNSON COMPANY, INC., New York, N. Y. Filed Nov. 7, 1939.

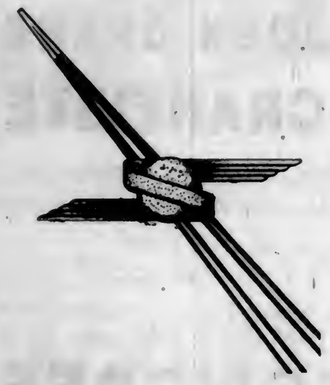
RECEDO

For Check Books.
Claims use since Oct. 27, 1939.

CLASS 38

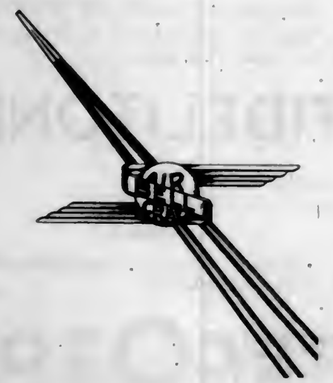
Prints and Publications

Ser. No. 411,731. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Oct. 18, 1938.



For Publications Covering Scientific Aeronautical Data, Published at Irregular Intervals.
Claims use since Mar. 26, 1937.

Ser. No. 411,732. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Oct. 18, 1938.



For Publications Covering Scientific Aeronautical Data, Published at Irregular Intervals.
Claims use since Mar. 26, 1937.

Ser. No. 423,409. DALE CARNEGIE COURSES CORPORATION, New York, N. Y. Filed Sept. 8, 1939.

Dale Carnegie Technique

The name "Dale Carnegie" is a facsimile of the signature of Dale Carnegie.
For Periodical Publications, Printed Books, and Bulletins Issued and Sold at Irregular Intervals.
Claims use since July 29, 1939.

Ser. No. 423,941. BUFFALO INDUSTRIAL BANK, Buffalo, N. Y. Filed Sept. 26, 1939.



For Publications Issued From Time to Time of Interest to Depositors and Investors.
Claims use since July 27, 1939.

Ser. No. 424,187. N. D. P. FOLK, Nashville, Tenn. Filed Oct. 3, 1939.

PEP COCKTAIL

For Newspaper Feature.
Claims use since Nov. 16, 1938.

Ser. No. 425,001. JOHN ALDEN KNIGHT, Orange, N. J. Filed Oct. 28, 1939.

SOLUNAR

TABLES

For Pamphlets Published From Time to Time, Usually at Yearly Intervals, Containing Forecasts of the Daily Feeding Times of Fish and Game.
Claims use since February, 1935.

CLASS 39

Clothing

Ser. No. 413,715. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Dec. 12, 1938.

GRANITWIST

For Men's Suits Consisting of Coats, Vests, and Trousers.
Claims use since Sept. 27, 1938.

Ser. No. 419,126. ROGERS PEET COMPANY, New York, N. Y. Filed May 5, 1939.

SOLO

For Men's and Boys' Outer Shirts and Pajamas.
Claims use since Mar. 5, 1935, on shirts; and since Nov. 18, 1937, on pajamas.

Ser. No. 421,152. MITCHELL BROTHERS INC., New York, N. Y., and Bridgeport, Conn. Filed June 30, 1939.

PERMA-CREPE

The word "Crepe" is disclaimed apart from the mark.
For Women's Underwear and Lingerie—Namely, Gowns, Slips, Panties, and Pajamas Made From Cotton Crinkle Crepe.
Claims use since June 26, 1939.

Ser. No. 421,526. MISSOURI GARMENT COMPANY, INC., Kansas City, Mo. Filed July 13, 1939.

Jo-Dee Junior

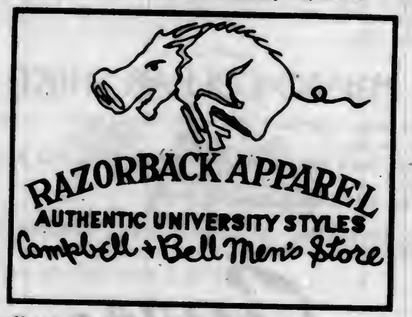
The word "Junior" is disclaimed apart from the mark.
For Junior Sizes of Ladies' Dresses.
Claims use since MAR. 30, 1938.

Ser. No. 421,647. EASTERN OUTFITTING CO. OF PORTLAND, OREGON, Portland, Oreg. Filed July 17, 1939.

Beautiful Lady

For Women's, Misses', and Girls' Hosiery, Slips, Nightgowns, Vests, Panties, Bloomers, Dance Sets, Sweaters, Dresses, Bonnets, Toques, Hats, Foundation Garments, Corsets, Brassières, Frocks, Ensemble Suits, Outer Skirts, Dressing Gowns, Dressing Robes, Dressing Jackets, Dressing Wraps, Shirts, Breeches, Slacks, Jumpers, Pajamas, Pinafores, Scarves, Aprons, Undershirts, Knickers, Petticoats, Chemises, Bodices, Camisoles and Vests.
Claims use since July, 1935.

Ser. No. 421,724. CAMPBELL & BELL DRY GOODS COMPANY, Fayetteville, Ark. Filed July 19, 1939.



Applicant disclaims the words "Apparel", "Authentic University Styles", and "Campbell & Bell Men's Store" except as shown.
For Wearing Apparel for Men, Women, and Children—Namely, Suits, Coats, Dresses, Hats, Caps, Neckties, Apparel Belts, Dress, Negligee and Work Shirts, Gloves, Pajamas, Underwear, Bath and Lounge Robes, Night Gowns, Blouses, Outer Skirts, Slacks, Socks, Sweaters, Sport Shirts, Jackets, and Shoes of Leather, Rubber and Fabric.
Claims use since October, 1921.

Ser. No. 421,973. THE KON-SOLE COMPANY, Rochester, N. Y. Filed July 26, 1939.

KON-SOLES

No claim is made to the word "Soles" apart from the mark.
For Medicated Insoles for Shoes.
Claims use since Mar. 25, 1939.

Ser. No. 422,315. S. BUCHSBAUM & COMPANY, Chicago, Ill. Filed Aug. 5, 1939.

Elasti-Glass

Applicant disclaims the word "Glass" apart from the mark.
For Apparel Belts, Suspenders, and Hose Supporters.
Claims use since July 1, 1939.

Ser. No. 422,546. THE HECHT CO., Washington, D. C., doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md. Filed Aug. 12, 1939.

CAPER



For Hosiery, Shoes Made of Leather, Rubber, Fabric, and/or Combinations Thereof; Lingerie—Namely, Cotton Slips, Rayon Bloomers, Step-Ins, Panties, Vests, and Chemises; Foundation Garments—Namely, Corsets and Girdles; Uniforms for Nurses, Ushers, Maids and Waitresses; Blouses, and Hats for Women and Children.
Claims use since Feb. 1, 1939.

Ser. No. 423,227. NATIONAL DEPARTMENT STORES MANAGEMENT & BUYING CORPORATION, New York, N. Y. Filed Sept. 1, 1939.

HONORCRAFT

For Women's and Misses' Hats, Jerkins, Sweaters, Bathing Suits, Beach Robes, Hats, Caps, Suits, Overcoats, Top Coats, Trousers, Jackets and Coats for Men and Boys; Wearing Apparel of Wool, Cotton, Silk, Rayon or Combinations Thereof for Men and Boys—Namely, Knitted Jackets, Sportcoats, Vests and Sweaters, Pullovers, Snow Suits, Swim Suits, Bathing Suits, Bathing Shirts, Shorts and Trunks, Bath Robes, Beach Robes and Scarfs, Mufflers, Mittens, Shirts, Underwear, and Leather and Fabric Gloves.
Claims use since Aug. 9, 1939.

Ser. No. 423,445. SUTTON-SADOWSKY, New York, N. Y. Filed Sept. 8, 1939.

Belana

For Women's Apparel—Namely, Dresses, Gowns, Suits, and Coats.
Claims use since Aug. 13, 1939.

Ser. No. 424,173. SEBASTIAN S. KRESGE, doing business as Kresge Department Store, Newark, Newark, N. J. Filed Oct. 3, 1939.

THRIFT-I-SILK

The word "Silk" is disclaimed apart from the mark.
For Women's Hosiery Made of Genuine Silk.
Claims use since September, 1935.

Ser. No. 424,211. D. SIEGEL CO., New York, N. Y. Filed Oct. 4, 1939.



The words "Saddle Cloth" are disclaimed apart from the mark.
For Men's and Women's Suits, Top Coats, Overcoats, Rain Coats, Sport Jackets, and Riding Habits.
Claims use since Jan. 23, 1939.

Ser. No. 424,462. BEEBEE BROTHERS RUBBER COMPANY, Nashua, N. H. Filed Oct. 12, 1939.



NONE SUCH

The wording "None Such" is disclaimed apart from the mark.
For Heels and Soles of Rubber and Rubber Composition.
Claims use since Aug. 7, 1939.

Ser. No. 424,562. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Oct. 14, 1939.

BUCKAROO

For Men's Hats.
Claims use since Oct. 11, 1939.

Ser. No. 424,780. NANNETTE MANUFACTURING CO., Philadelphia, Pa. Filed Oct. 21, 1939.



The words "Babe Frocks" are disclaimed apart from the mark.
For Children's Dresses, Play-Togs, and Beachwear—Namely, Sun Suits and Play Suits.
Claims use since Oct. 12, 1939.

Ser. No. 424,817. MIDDLETOWN FOOTWEAR INC., Middletown, N. Y. Filed Oct. 23, 1939.

Lazy Loungers

For Slippers, Sandals, Shoes, and Boots of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since Sept. 20, 1939.

Ser. No. 424,829. WILLIAM C. TAUDER, INC., New York, N. Y. Filed Oct. 23, 1939.



For Hat Bodies Made from Felt, Straw, Fabric, and a Combination of Such Materials, for Men, Women, and Children.
Claims use since May 11, 1939.

Ser. No. 424,883. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., and Denver, Colo, doing business as Famous-Barr Co., St. Louis, Mo. Filed Oct. 25, 1939.

M-BAND COLLAR SHIRT

Applicant disclaims the words "Band Collar Shirt" except as shown.
For Men's and Boys' Dress, Street, Sport, and Negligee Shirts.
Claims use since Oct. 13, 1939.

Ser. No. 425,181. H. C. COHN & Co., Rochester, N. Y. Filed Nov. 3, 1939.

Gay Paree

For Neckties.
Claims use since Aug. 23, 1938.

Ser. No. 425,183. H. C. COHN & Co., Rochester, N. Y. Filed Nov. 3, 1939.



For Neckties.
Claims use since Dec. 17, 1937.

Ser. No. 425,207. PRIM-ERA HOSIERY MILLS, INC., Chester, Ill. Filed Nov. 3, 1939.

Sweet Sue

For Hosiery.
Claims use since Oct. 23, 1936.

Ser. No. 425,209. IRWIN B. SCHWABE COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 3, 1939.

BROADCASTER

For Men's and Boys' Shirts and Children's Play Suits.
Claims use since Sept. 12, 1932.

Ser. No. 425,224. THE BERLAND SHOE STORES, INC., St. Louis, Mo. Filed Nov. 4, 1939.

PlayMates

For Women's, Girls', and Children's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since Aug. 1, 1937.

Ser. No. 425,228. THE BERLAND SHOE STORES, INC., St. Louis, Mo. Filed Nov. 4, 1939.

Flex Craft

For Women's, Girls' and Children's Shoes of Leather, Fabric, and Combinations thereof.
Claims use since Jan. 1, 1937.

Ser. No. 425,245. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Nov. 4, 1939.

Water-VELVA

For Swimming Suits for Men, Women, and Children.
Claims use since Sept. 12, 1939.

Ser. No. 425,261. TRUVAL MANUFACTURERS, INC., New York, N. Y. Filed Nov. 4, 1939.

TruVal

For Pajamas for Men and Young Men; and Sportswear for Men and Young Men—Namely, Shirts and Trousers in Ensemble Sets and Separately.
Claims use since October 19, 1912, on shirts; since October 8, 1937, on ensemble sets; and since October 13, 1937, on pajamas.

Ser. No. 425,271. THE CAIN-SLOAN COMPANY, Nashville, Tenn. Filed Nov. 6, 1939.

Nashwood

For Women's and Misses' Coats and Suits.
Claims use since July 29, 1939.

Ser. No. 425,273. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Nov. 6, 1939.



For Girls' and Misses' Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Mar. 14, 1939.

Ser. No. 425,338. WM. KNOWLTON & SONS COMPANY, INC., West Upton, Mass. Filed Nov. 7, 1939.

SUEDE-MOR hats

The words "Suede" and "Hats" are disclaimed apart from the mark.
For Women's Hats.
Claims use since Oct. 6, 1939.

Ser. No. 425,380. HUBBARD PANTS COMPANY, Bremen, Ga. Filed Nov. 8, 1939.

SEA-ISLE BREEZES

For Pants and Shirts.
Claims use since Sept. 1, 1939.

Ser. No. 425,399. WILLIAM F. FRETZ & SON., Doylestown, Pa. Filed Nov. 8, 1939.

Doyl-Tone

For Trousers.
Claims use since Sept. 15, 1939.

Ser. No. 425,416. MARLBORO SHIRT CO., INC., Baltimore, Md. Filed Nov. 8, 1939.

BLENSOMBLE

For Men's and Boys' Pants and Shirt Ensembles for Outer Wear, Ensembles of Outer Shirts and Neckties, and Sport Coats.
Claims use since Aug. 15, 1939.

Ser. No. 425,443. WILHOIT-EVANS AND COHN, INC., Los Angeles, Calif. Filed Nov. 8, 1939.

Cal-Anita

For Men's and Boys' Two and Three Piece Sport Suits, Sport Coats, Overcoats, and Slacks.
Claims use since Feb. 21, 1937.

Ser. No. 425,462. EAGLE CLOTHES, New York, N. Y. Filed Nov. 9, 1939.

ARABEST

For Men's and Boys' Overcoats, Topcoats, Suits, Trousers, Slacks, Sport-Jackets, Vests, and Mackinaws.
Claims use since May 1, 1939.

Ser. No. 425,487. HENRY POLLAK, INC., New York, N. Y. Filed Nov. 9, 1939.

PERISPHERE

For Ladies' and Children's Hats and Hat Bodies of Felt and Straw.
Claims used since Oct. 6, 1939.

Ser. No. 425,512. CUTTER-CROSSETTE CO., Chicago, Ill. Filed Nov. 10, 1939.



For Men's Neckties.
Claims use since Aug. 25, 1939.

Ser. No. 425,513. CUTTER-CROSSETTE CO., Chicago, Ill. Filed Nov. 10, 1939.

DOUBLE FEATURE



For Men's Neckties.
Claims use since Aug. 25, 1939.

Ser. No. 425,554. BONWIT TELLER, INC., New York, N. Y. Filed Nov. 13, 1939.

"COMMENT PIECE"

For Women's and Misses' Blouses, Sweaters, Dresses, Coats, Suits, Outer Skirts, Hats, Scarfs, Belts for Outer Wear, Handkerchiefs, Shoes Made of Leather, Fabric and Combinations Thereof; Hosiery; Gloves Made of Leather and Fabric; and Underwear, i. e., Slips, Petticoats, Brassières, Girdles, Corsets, Bloomers and Panties.
Claims use since Nov. 3, 1939.

Ser. No. 425,700. MAX KOCH & SON, INC., New York, N. Y. Filed Nov. 16, 1939.

MONGOMUFF

For Fur Stoles, Hoods, Coats, Muffs, and Combinations Thereof.
Claims use since Aug. 28, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 417,435. BEAR MILL MANUFACTURING CO., INC., New York, N. Y. Filed Mar. 24, 1939.

Heather-Bloom

For Piece Goods of Silk, Rayon, Cotton, and Mixtures Thereof.
Claims use since Jan. 9, 1939.

Ser. No. 419,870. MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Filed May 26, 1939.

CANDYTUFT

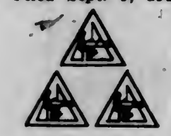
For Cotton Pile Fabrics in the Piece.
Claims use since May 4, 1939.

Ser. No. 419,871. MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Filed May 26, 1939.

MERRIDOWN

For Cotton Pile Fabrics in the Piece.
Claims use since May 5, 1939.

Ser. No. 423,480. WILLIAM B. SPENCER, Houston, Tex. Filed Sept. 9, 1939.



THE THREE WEAVERS
HOUSTON, TEXAS

The words "Houston, Texas", are disclaimed apart from the mark.
For Hand-Woven Woolen Piece Goods, Blankets, Shawls for Furniture Drapery, Couch Throws, and Neckwear Materials in the Piece.
Claims use since Jan. 1, 1932.

Ser. No. 424,288. AMERICAN ECLA CORPORATION, Fairfield, Conn. Filed Oct. 7, 1939.

ECLAST

For Wide Elastic Piece Goods in the Form of Fabric Made of Cotton, Silk, Wool, or Artificial Yarn Combined with a Layer or Layers of Rubber.
Claims use since Sept. 29, 1939.

Ser. No. 425,645. HESS, GOLDSMITH & CO., INC., New York, N. Y. Filed Nov. 15, 1939.

HESGO

For Silk and Rayon Fabrics, and Mixtures Thereof, in the Piece.
Claims use since Nov. 6. 1939.

Ser. No. 425,686. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 16, 1939.

Cozy-Down

For Piece Goods of Rayon, Silk, Cotton, and Mixtures Thereof.
Claims use since Sept. 7, 1939.

Ser. No. 425,699. B. M. KAUFMAN INC., New York, N. Y. Filed Nov. 16, 1939.

ACCORDIANA

For Woolen and Worsted Piece Goods.
Claims use since Nov. 1, 1939.

Ser. No. 425,706. PANDE, CAMERON & CO., New York, N. Y. Filed Nov. 16, 1939.

KHALABAR

For Rugs and Carpets.
Claims use since August, 1936.

Ser. No. 425,773. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Nov. 18, 1939.

AHOY

For Rayon Piece Goods.
Claims use since Nov. 3, 1939.

Ser. No. 425,776. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 18, 1939.

BRITESPOT

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Aug. 10, 1939.

CLASS 43

Thread and Yarn

Ser. No. 425,382. AMERICAN ENKA CORPORATION, Enka, N. C. Filed Nov. 8, 1939.

PERLGLO

For Rayon Yarns.
Claims use since July 1, 1931.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 424,427. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Oct. 11, 1939.

Take-along

For Syringes and Parts Thereof and Attachments Therefor.
Claims use since Oct. 2, 1939.

Ser. No. 424,428. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Oct. 11, 1939.



For Syringes and Parts Thereof and Attachments Therefor.
Claims use since Oct. 2, 1939.

Ser. No. 425,691. THE FAULTLESS RUBBER COMPANY, doing business as Ashland Rubber Works, Ashland, Ohio. Filed Nov. 16, 1939.

Journey Gem

For Syringes and Parts Thereof and Attachments Therefor.
Claims use since Oct. 2, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 422,841. THOMAS R. PHILLIPS, JR., doing business as Interstate Sales Company, Youngstown, Ohio. Filed Aug. 22, 1939.



No claim is made to the words "Koke", "Drink the Big", "Youngstown, Ohio", and "Net Contents 12 fl. oz." apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since July 1, 1938.

Ser. No. 422,842. THOMAS R. PHILLIPS, JR., doing business as Interstate Sales Company, Youngstown, Ohio. Filed Aug. 22, 1939.



No claim is made to the words "Koke", "Drink the Big", "Youngstown, Ohio", and "Net Contents 12 fl. oz." apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since July 1, 1938.

Ser. No. 422,843. THOMAS R. PHILLIPS, JR., doing business as Interstate Sales Company, Youngstown, Ohio. Filed Aug. 22, 1939.



No claim is made to the words "Koke", "Drink the Big", "Youngstown, Ohio", and "Net Contents 12 fl. oz." apart from the mark. The drawing is lined for green.
For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same.
Claims use since July 1, 1938.

Ser. No. 423,280. C. O. & W. D. SETHNESS COMPANY, Chicago, Ill. Filed Sept. 2, 1939.

ESTEREX

For Extracts for Use in Non-Alcoholic, Non-Cereal, Maltless Beverages.
Claims use since Aug. 11, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 412,501. LOUIS HERBERT GAUS, doing business as Ticonderoga Cold Bow Wow Company, Ticonderoga, N. Y. Filed Nov. 8, 1938.

COLD BOW WOW

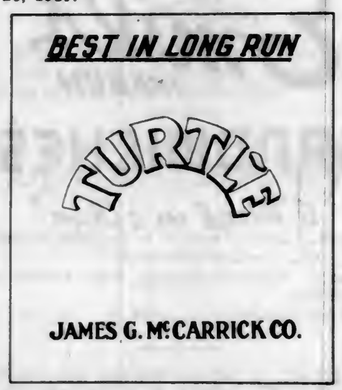
No claim is made to the word "Cold" apart from the mark.
For Ice Cream.
Claims use since September, 1938.

Ser. No. 415,895. KEENO PACKING COMPANY, doing business as Aristocrat Packing Company, South Gate, Calif. Filed Feb. 10, 1939.



No claim is made to the representation of the label. The drawing is lined for shading.
For Canned Dog and Cat Food.
Claims use since July, 1937.

Ser. No. 416,515. JAMES G. MCCARRICK, doing business as James G. McCarrick Co., Robstown, Tex. Filed Feb. 28, 1939.



No claim is made to the slogan "Best in Long Run" apart from the mark.
For Fresh Vegetables.
Claims use since Oct. 24, 1928.

Ser. No. 416,813. NATIONAL SEA FOODS CO. INC., Galveston, Tex. Filed Mar. 8, 1939.



No claim is made to the representation of the shrimp apart from the mark.
For Sea Foods—Particularly, Fresh Frozen Shrimp.
Claims use since Dec. 1, 1938.

Ser. No. 417,988. VEGETABLE OIL PRODUCTS CO., INC., Wilmington, Calif. Filed Apr. 7, 1939.

Keen

For Shortening Made from Marine and Vegetable Oils.
Claims use since Jan. 26, 1938.

Ser. No. 419,279. THE SUSU NUT CO., Chicago, Ill. Filed May 10, 1939.

NICKEL NIBBLES

The word "Nickel" is disclaimed apart from the mark.
For Salted and Candied Nuts, and Candies.
Claims use since Apr. 1, 1938.

Ser. No. 419,356. MAY WAY MILLS, INC., Kansas City, Mo. Filed May 12, 1939.

TANK-A-MEAL

No claim is made to the word "Meal" apart from the mark.
For Hog Feed.
Claims use since Oct. 1, 1938.

Ser. No. 419,448. SELECTED FOOD SPECIALTIES CO., San Francisco, Calif. Filed May 15, 1939.

Patrons' Choice



For Fresh, Frozen, and Dried Fruits and Vegetables, Chili Sauce, and on Canned Fruits and Vegetables.
Claims use since Jan. 15, 1939.

Ser. No. 421,746. N. V. PAUL C. KAISER, Rotterdam, Netherlands. Filed July 19, 1939.



The portrait is fanciful.
For Bakers' and Confectioners' Products—Namely, Bread, Cakes, Biscuits, Wafers, Chocolates, and Bonbons.
Claims use since January, 1933.

Ser. No. 422,814. J. A. FOLGER & COMPANY, Kansas City, Mo. Filed Aug. 21, 1939.

MAGIC MOUNTAIN

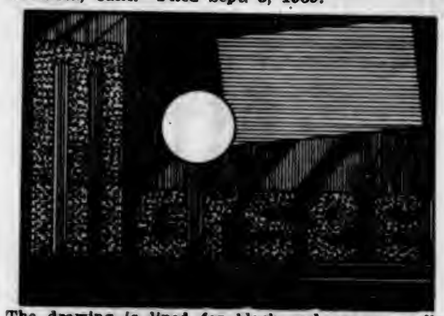
The word "Mountain" per se is disclaimed apart from the mark.
For Coffee.
Claims use since Aug. 15, 1939.

Ser. No. 423,043. POTAT-O-POP CHIP MFG. CO., INC., Cleveland, Ohio. Filed Aug. 26, 1939.

POTAT-O-POPS

Applicant disclaims the word "Potat-O" apart from the mark.
For Popped Confection Made of Dehydrated Vegetables and Cereals.
Claims use since Sept. 1, 1933.

Ser. No. 423,294. FERRY-MORSE SEED COMPANY, San Juan Bautista, Calif. Filed Sept. 5, 1939.



The drawing is lined for black, red, orange, yellow, light blue and dark blue. No claim is made to the representation of the label apart from the mark.
For Fresh Deciduous Fruits.
Claims use since Aug. 9, 1939.

Ser. No. 423,996. BAR-B-BUNS, INC., Cincinnati, Ohio. Filed Sept. 28, 1939.

Emil's
INABUN
TRADE MARK
SANDWICHES
"A Meal in a Bun"

All wording except "Emil's" is disclaimed apart from the mark. The portrait is fanciful.
For Bakery Products—Namely, Buns Having a Food Product Filling.
Claims use since Sept. 21, 1939.

Ser. No. 424,321. J. WILBUR WARNER, doing business as Blue & Grey Specialty Co., Frederick, Md. Filed Oct. 7, 1939.

Jennie Wade
CHOCOLATES

Jennie Wade was a civil war character. The word "Chocolates" is disclaimed.
For Chocolates.
Claims use since June 9, 1939.

Ser. No. 424,678. BAKERS RESEARCH BUREAU, DIVISION OF BUD FOX ENTERPRISES, INC., New York, N. Y. Filed Oct. 19, 1939.

CEROBREX

For Processed Wheat Germ Flour.
Claims use since Oct. 9, 1939.

Ser. No. 424,860. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 24, 1939.

FORVITAN

For Vitamin-Containing Food, Particularly a Mixture Containing Fruit Substances and Yeast.
Claims use since Oct. 6, 1939.

Ser. No. 425,039. THE BORDEN COMPANY, New York, N. Y. Filed Oct. 30, 1939.

HOMMIES

Applicant is the owner of United States Trade-Mark Registration No. 369,967, registered Aug. 8, 1939.
For Cheese Flavored Coating for Food Products, Consisting of Dehydrated Cheese, Vegetable Oils, and Seasoning.
Claims use since Feb. 10, 1939.

Ser. No. 425,068. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 30, 1939. Under section 5b of the act of 1905 as amended in 1920.

FLEISCHMANN'S

For Frozen Fruits.
Claims use since Sept. 16, 1938.

Ser. No. 425,307. SOUTH PACIFIC CANNING CO., Long Beach, Calif. Filed Nov. 6, 1939.



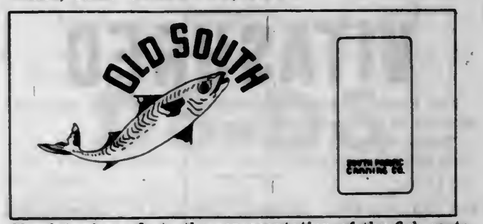
The drawing is lined for blue. No claim is made to the representations of the fish and the label apart from the mark.
For Canned Fish.
Claims use since Aug. 26, 1939.

Ser. No. 425,308. SOUTH PACIFIC CANNING CO., Long Beach, Calif. Filed Nov. 6, 1939.



The drawing is lined for blue. No claim is made to the representation of the fish or of the label apart from the mark.
For Canned Fish.
Claims use since Aug. 23, 1939.

Ser. No. 425,369. SOUTH PACIFIC CANNING CO., Long Beach, Calif. Filed Nov. 7, 1939.



No claim is made to the representation of the fish or to the outline of the label apart from the mark.
For Canned Fish.
Claims use since Oct. 21, 1939.

Ser. No. 425,387. CALIFORNIA CONSERVING COMPANY, INCORPORATED, San Francisco, Calif. Filed Nov. 8, 1939.

CENTAUR

For Tomato Catsup.
Claims use since Aug. 11, 1926.

Ser. No. 425,392. COHODAS ORCHARD CO., Ishpeming, Mich. Filed Nov. 8, 1939.

Appletizin

For Fresh Apples.
Claims use since Sept. 1, 1939.

Ser. No. 425,402. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

NUBELL

For Bread Improver Consisting of a Fatty Granular Mixture of Minerals, Vitamins, and Wheat Germ Oil.
Claims use since Oct. 18, 1939.

Ser. No. 425,403. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

NUBELL

For Bread Improver Consisting of a Fatty Granular Mixture of Minerals and Vitamins.
Claims use since Oct. 18, 1939.

Ser. No. 425,406. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

VITASURED

For Bread Improver Consisting of a Fatty Granular Mixture of Minerals and Vitamins.
Claims use since Oct. 18, 1939.

Ser. No. 425,407. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 8, 1939.

VITASURED

For Bread Improver Consisting of a Fatty Granular Mixture of Minerals, Vitamins and Wheat Germ Oil.
Claims use since Oct. 18, 1939.

Ser. No. 425,464. THE EUCLID COFFEE CO., Cleveland, Ohio. Filed Nov. 9, 1939.

Chummy

For Chocolate Flavored Powder for Making Food Drinks.
Claims use since Dec. 4, 1934.

CLASS 47

Wines

Ser. No. 423,670. RUDOLPH LISKA & SONS, INC., Chicago, Ill. Filed Sept. 16, 1939.

CELLAR DOOR

For Wines.
Claims use since Sept. 1, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 424,744. D. F. TREW, trustee for Belmont Brewing Co., Martins Ferry, Ohio. Filed Oct. 20, 1939.

18 KT. Golden ale

No claim is made to the term "Golden Ale" apart from the mark.
For Ale.
Claims use since July 24, 1936.

Ser. No. 424,745. D. F. TREW, trustee for Belmont Brewing Co., Martins Ferry, Ohio. Filed Oct. 20, 1939.

1884 Golden Ale

No claim is made to the term "Golden Ale" apart from the mark.
For Ale.
Claims use since June 17, 1938.

Ser. No. 425,535. C. SCHMIDT & SONS, INC., Philadelphia, Pa. Filed Nov. 10, 1939.



For Malt Beverages—Namely, Beer and Ale, Having the Legal Alcoholic Content.
Claims use since June 1, 1892.

CLASS 49

Distilled Alcoholic Liquors

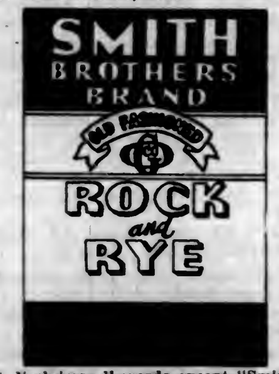
Ser. No. 415,680. WILSON DISTILLING COMPANY, INC., Bristol, Pa. Filed Feb. 6, 1939.



Applicant is the owner of registration 361,322, covering the name "Wilson", and effected under the 10-year

proviso. The words "Reserve" and "North America" and the representation of the label per se are disclaimed apart from the mark.
For Whiskey.
Claims use since Oct. 10, 1938.

Ser. No. 425,008. GORDON O'NEIL COMPANY, INC., Jersey City, N. J. Filed Oct. 28, 1939.



Applicant disclaims all words except "Smith Brothers" and the initials "GOCo".
For Rock and Rye.
Claims use since Nov. 4, 1938.

Ser. No. 425,234. DOWLING BROS. DISTILLING CO., INC., doing business as Fort Harrod Distilling Co., Burgin, Ky. Filed Nov. 4, 1939.

Fort Ancient

For Whiskey.
Claims use since Mar. 21, 1939.

Ser. No. 425,784. G. F. HEUBLEIN & BRO., Hartford, Conn. Filed Nov. 18, 1939.

HEATHERBLOOM

For Scotch Type Whiskey.
Claims use since November, 1903.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 422,266. THE ZORO COMPANY, Chicago, Ill. Filed Aug. 3, 1939.

Dō-Dō

For Treated Pastry Cloth and Rolling Pin Jackets Sold As a Unit.
Claims use since June, 1938.

Ser. No. 423,841. DAVE FARIS, Reeds Spring Junction, Mo. Filed Sept. 21, 1939.

FROM THE SHEPHERD OF THE HILLS COUNTRY
For Ornamental Wood Novelties.
Claims use since June 1, 1929.

Ser. No. 424,158. COTAN CORPORATION, Newark, N. J. Filed Oct. 3, 1939.

CO-HYDE

The word "Hyde" is disclaimed apart from the mark.
For Fabrics Coated With Rubber Compounds and Simulating Leather.
Claims use since 1935.

Ser. No. 424,790. WAGNER MANUFACTURING COMPANY, Cedar Falls, Iowa. Filed Oct. 21, 1939.

ALLIGATOR

For Carpenters' Trestles.
Claims use since Oct. 17, 1939.

Ser. No. 425,249. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed Nov. 4, 1939.

CELLSTERS

For Coasters of Cellulose Material.
Claims use since Sept. 8, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 9, 1940

374,334. BOOKS (OR BOOKLETS) PUBLISHED FROM TIME TO TIME. RETAILERS COMMERCIAL AGENCY, INC., New York, N. Y., and Philadelphia, Pa.
Filed November 3, 1936. Serial No. 385,108. PUBLISHED OCTOBER 24, 1939. Class 38.

374,335. BUILDING CEMENT. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed June 5, 1937. Serial No. 393,685. PUBLISHED FEBRUARY 15, 1938. Class 12.

374,336. GASOLINE COMBINATION HEATING AND FORCED DRAFT VENTILATING UNITS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed January 3, 1938. Serial No. 401,478. PUBLISHED AUGUST 2, 1938. Class 34.

374,337. MARSHMALLOW CREAM. DURKEE-MOWER, INC., Lynn, Mass.
Filed March 17, 1938. Serial No. 404,168. PUBLISHED APRIL 11, 1939. Class 46.

374,338. HOSIERY. RICHMOND HOSIERY MILLS, Rossville, Ga.
Filed April 8, 1938. Serial No. 405,092. PUBLISHED OCTOBER 31, 1939. Class 39.

374,339. BOYS', YOUNG MEN'S, AND MEN'S SUITS, OVERCOATS, AND TOPCOATS. DRIESEN, MEYER & ORONSKY INC., New York, N. Y.
Filed May 13, 1938. Serial No. 406,283. PUBLISHED SEPTEMBER 19, 1939. Class 39.

374,340. OLIVE OIL. PHILIP SASSO, New York N. Y.
Filed June 24, 1938. Serial No. 407,884. PUBLISHED FEBRUARY 14, 1939. Class 46.

374,341. WOMEN'S, MISSES', AND CHILDREN'S KNIT GARMENTS, AND PARTICULARLY PANTIES, VESTS, BLOOMERS, UNION SUITS SLIPS, PAJAMAS, AND NIGHT-GOWNS. ALPHA MILLS, INC., Pottsville, Pa.
Filed July 28, 1938. Serial No. 408,984. PUBLISHED November 8, 1938. Class 39.

374,342. THE FOLLOWING CANNED AND BOTTLED GOODS—TOMATO CATSUP, APPLE BUTTER, MUSTARD, PICKLES, MEXICAN HOT SAUCE, PEANUT BUTTER, PEPPER SAUCE, AND BOTTLED AND CANNED CHERRIES. COLLINS-DIETZ-MORRIS COMPANY, Oklahoma City, Okla.
Filed August 1, 1938. Serial No. 409,119. PUBLISHED OCTOBER 31, 1939. Class 46.

374,343. SMOKING TOBACCO. ANGIER R. SAFFORD, Philadelphia, Pa.
Filed October 17, 1938. Serial No. 411,712. PUBLISHED OCTOBER 31, 1939. Class 17.

374,344. FERROUS AND NON-FERROUS BASE METALS AND ALLOYS; RAW CASTINGS; METAL BLANKS, ETC. KARL SCHMIDT G. M. B. H., Neckarsulm, Germany.
Filed October 31, 1938. Serial No. 412,232. PUBLISHED OCTOBER 31, 1939. Class 14.

374,345. SILVER PLATED FLAT-WARE, HOLLOW-WARE, AND TABLE-WARE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed November 19, 1938. Serial No. 412,892. PUBLISHED DECEMBER 27, 1938. Class 28.

374,346. OUTER AND UNDERWEAR GARMENTS—NAMELY, CAMISOLES, BANDEAUX, VESTS, BLOOMERS, PANTIES, SHORTS, ETC. FAIRY SILK MILLS, Shillington, Pa.
Filed November 21, 1938. Serial No. 413,008. PUBLISHED OCTOBER 24, 1939. Class 39.

374,347. HOSIERY. SEBASTIAN S. KRESGE, doing business as Kresge Department Store, Newark, Newark, N. J.
Filed December 10, 1938. Serial No. 413,678. PUBLISHED MARCH 28, 1939. Class 39.

374,348. SWEATERS, BLOUSES, SHIRTS, SKIRTS, AND KNITTED COATS FOR WOMEN AND CHILDREN, BEING MADE OF SILK, WOOL, COTTON, RAYON, AND OF A MIXTURE OF ANY AND ALL SUCH MATERIALS OF WOVEN AND KNITTED FABRICS. THE LAMPL KNITWEAR COMPANY, Cleveland, Ohio.
Filed January 31, 1939. Serial No. 415,567. PUBLISHED OCTOBER 10, 1939. Class 39.

374,349. PEAT MOSS. THE EAST ASIATIC CO., INC., San Francisco, Calif.
Filed February 8, 1939. Serial No. 415,768. PUBLISHED JUNE 6, 1939. Class 1.

374,350. TIME SCHEDULES PUBLISHED FROM TIME TO TIME AND SOLD AS SUCH TO TRANSPORTATION COMPANIES OR THE LIKE. C. B. GUTHRIE TARIFF BUREAU, INC., Washington, D. C.
Filed March 8, 1939. Serial No. 416,808. PUBLISHED OCTOBER 24, 1939. Class 38.

374,351. SEED CORN. ARTHUR F. CROW, doing business as Crow's Hybrid Corn Company, Milford, Ill.
Filed March 30, 1939. Serial No. 417,643. PUBLISHED OCTOBER 31, 1939. Class 1.

374,352. CANNED PROTEIN MEAT-LIKE FOOD CONTAINING NO ANIMAL PRODUCTS AND USED AS A SOURCE OF PROTEIN, LIKE MEAT. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed April 1, 1939. Serial No. 417,780. PUBLISHED OCTOBER 31, 1939. Class 46.

374,353. BREAKFAST CEREALS. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed April 1, 1939. Serial No. 417,781. PUBLISHED OCTOBER 31, 1939. Class 46.

374,354. DRESSED POULTRY AND EGGS. LEONARD S. LITTLE, South Dennis, Mass.
Filed April 7, 1939. Serial No. 417,968. PUBLISHED OCTOBER 31, 1939. Class 46.

374,355. COMBINED WALKING STICK AND SEAT DEVICES. TRANS-AMERICAN SPECIALTIES, INC., New York, N. Y.
Filed April 12, 1939. Serial No. 418,176. PUBLISHED OCTOBER 10, 1939. Class 41.

374,356. BABY BOY SUITS AND BOYS' SUITS, SUN-SUITS, OVERALLS, AND SKI-SUITS. BECKER & PECK INCORPORATED, New York, N. Y.
Filed April 17, 1939. Serial No. 418,403. PUBLISHED OCTOBER 31, 1939. Class 39.

374,357. DUPLICATING STENCIL PRODUCTS, EQUIPMENT, AND PARTS THEREFOR—NAMELY, DUPLICATING STENCILS, STENCIL TYPING FILM, ETC. ALMON A. HEATH, doing business as Heath Stenciling Products, Hawthorne, Calif.
Filed April 20, 1939. Serial No. 418,482. PUBLISHED OCTOBER 31, 1939. Class 37.

374,358. LADIES' HOSIERY; LINGERIE, PARTICULARLY SILK GOWNS, SILK AND RAYON GOWNS, COTTON GOWNS, SILK SLIPS, ETC. LEVY'S LADIES TOGGERY, INC., Memphis, Tenn.
Filed May 3, 1939. Serial No. 419,027. PUBLISHED OCTOBER 24, 1939. Class 39.

374,359. MEN'S AND BOYS' TROUSERS AND BREECHES. WESTMORELAND GARMENT CORPORATION, Norvelt, Pa.
Filed May 3, 1939. Serial No. 419,060. PUBLISHED OCTOBER 10, 1939. Class 39.

374,360. NEWSPAPER CARTOONS PUBLISHED IN A CONTINUING SERIES. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed May 5, 1939. Serial No. 419,123. PUBLISHED OCTOBER 31, 1939. Class 38.

374,361. COAL STOKERS AND THE FOLLOWING PARTS THEREOF—POWER UNIT BASES, MOTOR STANDS, FAN CASES, FANS, ETC. DOMESTIC STOKER COMPANY, Pullman, Wash.
Filed May 8, 1939. Serial No. 419,185. PUBLISHED OCTOBER 31, 1939. Class 34.

374,362. METAL TWIST DRILLS, MILLING CUTTERS, AND SAWS. VICTOR MACHINERY EXCHANGE, INC., New York, N. Y.
Filed May 11, 1939. Serial No. 419,246. PUBLISHED OCTOBER 31, 1939. Class 23.

374,363. WELDING RODS AND METAL ALLOYS HAVING A FERROUS BASE. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y.
Filed May 10, 1939. Serial No. 419,247. PUBLISHED OCTOBER 31, 1939. Class 14.

374,364. SAND AND SILICA SAND. STANDARD SILICA CORPORATION, Ottawa, Ill.
Filed May 15, 1939. Serial No. 419,456. PUBLISHED OCTOBER 31, 1939. Class 1.

374,365. COVERS FOR AUTOMOBILE SEATS AND SEAT BACKS. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio.
Filed May 16, 1939. Serial No. 419,479. PUBLISHED JULY 18, 1939. Class 19.

374,366. SALT. THE CAREY SALT CO., Hutchinson, Kans.
Filed May 25, 1939. Serial No. 419,792. PUBLISHED OCTOBER 31, 1939. Class 46.

374,367. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF. WM. HAHN & CO., Washington, D. C.
Filed May 25, 1939. Serial No. 419,803. PUBLISHED AUGUST 8, 1939. Class 39.

374,368. LADIES' AND MISSES' HOSIERY, HOUSECOATS, AND LINGERIE—NAMELY, SLIPS, NIGHTGOWNS, PAJAMAS, BED JACKETS, DANCE SETS, PANTIES, VESTS, BLOOMERS, STEP-INS, AND CHEMISES; AND MEN'S AND BOYS' UNDER AND OUTER SHIRTS, UNDERWEAR AND HOSIERY. CARDINAL HOSIERY CO. INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,847. PUBLISHED OCTOBER 10, 1939. Class 39.

374,369. COMBINATION SET CONSISTING OF A MUG AND SOAP. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,885. PUBLISHED OCTOBER 31, 1939. Class 50.

374,370. MOLDABLE FIREPROOF MATERIAL USED IN THE MANUFACTURE OF CERAMIC GOODS FOR TECHNICAL AND SCIENTIFIC PURPOSES. STAATLICHE PORZELLAN-MANUFAKTUR BERLIN, Berlin, Germany.
Filed May 29, 1939. Serial No. 419,983. PUBLISHED OCTOBER 24, 1939. Class 12.

374,371. PUBLICATION DEVOTED ENTIRELY TO SPORTING NEWS, SUCH AS HORSE SHOWS, RACING, BREEDING, FOX HUNTING, ETC. STACY B. LLOYD, JR., Berryville and Middleburg, Va.
Filed June 1, 1939. Serial No. 420,071. PUBLISHED OCTOBER 31, 1939. Class 38.

374,372. MEATS AND MEAT PRODUCTS—VIZ., HAMS, SHOULDERS, BOLOGNA, BACON, PICNICS, CANADIAN BACON, AND COTTAGE ROLLS—I. E., CURED AND SMOKED BUTT ENDS OF PORK SHOULDERS. WEIL PACKING COMPANY, Evansville, Ind.
Filed June 1, 1939. Serial No. 420,080. PUBLISHED OCTOBER 31, 1939. Class 46.

374,373. STOCKINGS. THE WAYNE KNITTING MILLS, Fort Wayne, Ind.
Filed June 2, 1939. Serial No. 420,124. PUBLISHED OCTOBER 17, 1939. Class 39.

374,374. PERIODICAL PUBLICATION. IRVING J. BIRNBAUM, doing business as Man O' War Publishing Company, New York, N. Y.
Filed June 6, 1939. Serial No. 420,205. PUBLISHED OCTOBER 24, 1939. Class 38.

374,375. APPARATUS FOR INSTALLATION IN BUILDING STRUCTURES AND TO BE USED IN THE COLLECTION AND DISPOSAL OF GARBAGE. L. DOW PENDER, doing business as Pender Manufacturing & Supply Company, Raleigh, N. C., assignor to Ruth McWhorter Pender, Raleigh, N. C.
Filed June 6, 1939. Serial No. 420,236. PUBLISHED OCTOBER 24, 1939. Class 12.

374,376. CANDIES, PRESERVES—NAMELY, FRUITS, FISH AND VEGETABLES, JELLIES, JAMS, MARMALADES, ETC. PALESTINE HOUSE, INC., New York, N. Y.
Filed June 7, 1939. Serial No. 420,260. PUBLISHED OCTOBER 31, 1939. Class 46.

374,377. WOOD PLASTIC MOLDING POWDER TO BE USED IN MAKING STRUCTURAL SHAPES. REICHHOLD CHEMICALS INC., Detroit, Mich.
Filed June 9, 1939. Serial No. 420,338. PUBLISHED OCTOBER 24, 1939. Class 12.

374,378. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed June 10, 1939. Serial No. 420,375. PUBLISHED AUGUST 15, 1939. Class 39.

374,379. OVERCOATS, TOP COATS, SPORT SUITS, TROPICAL SUITS, BUSINESS SUITS, AND DRESS SUITS. GRIESCO BROS., INC., Lawrence, Mass.
Filed June 12, 1939. Serial No. 420,409. PUBLISHED OCTOBER 31, 1939. Class 39.

374,380. METAL WINDOW SASH. SEAL-O-SASH COMPANY, Brooklyn, N. Y.
Filed June 12, 1939. Serial No. 420,441. PUBLISHED OCTOBER 24, 1939. Class 12.

374,381. WOMEN'S AND MISSES' COATS, SUITS, SKIRTS, DRESSES, FROCKS, WAISTS, BLOUSES, AND PETTICOATS. BOSTON MAID, Waltham, Mass.
Filed June 14, 1939. Serial No. 420,472. PUBLISHED OCTOBER 10, 1939. Class 39.

374,382. MONTHLY MAGAZINE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed June 14, 1939. Serial No. 420,492. PUBLISHED OCTOBER 31, 1939. Class 38.

374,383. MISSES' DRESSES AND COATS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed June 15, 1939. Serial No. 420,514. PUBLISHED OCTOBER 17, 1939. Class 39.

374,384. MEN'S, BOYS', WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR, SWEATERS, SKI SUITS, HOSIERY AND SOCKS, ETC. WRIGHT'S UNDERWEAR COMPANY, INC., New York, N. Y.
Filed June 17, 1939. Serial No. 420,656. PUBLISHED OCTOBER 24, 1939. Class 39.

374,385. METAL SHUTTERS. PIONEER MANUFACTURING COMPANY, Oklahoma City, Okla.
Filed June 19, 1939. Serial No. 420,689. PUBLISHED OCTOBER 24, 1939. Class 12.

374,386. BOYS' AND GIRLS' JERSEY KNIT CREEPERS, BOYS' AND GIRLS' JERSEY KNIT TWO-PIECE SUITS, AND OVERALLS. G. H. & E. FREYDBERG, INC., New York, N. Y.
Filed June 22, 1939. Serial No. 420,812. PUBLISHED OCTOBER 31, 1939. Class 39.

374,387. SHOTGUNS AND RIFLES. SUHLER WAFFENWERK GEBRÜDER MERKEL, Suhl, Thuringia, Germany.
Filed June 27, 1939. Serial No. 421,012. PUBLISHED OCTOBER 31, 1939. Class 9.

374,388. MAGAZINE. MURRAY SEKULER, New York, N. Y.
Filed June 28, 1939. Serial No. 421,057. PUBLISHED OCTOBER 24, 1939. Class 38.

374,389. SANITARY PANTIE. THE FAMISE CORPORATION, Dover, Del., and Camden, N. J.
Filed June 30, 1939. Serial No. 421,134. PUBLISHED OCTOBER 31, 1939. Class 44.

374,390. WOMEN'S UNDERWEAR AND LINGERIE—NAMELY, GOWNS, SLIPS, PANTIES, AND PAJAMAS. MITCHELL BROTHERS INC., New York, N. Y., and Bridgeport, Conn.
Filed June 30, 1939. Serial No. 421,150. PUBLISHED OCTOBER 17, 1939. Class 39.

374,391. APPLICATOR FOR USE IN APPLYING A POLISH AND/OR CLEANER FOR SHOES AND SUNDRY ARTICLES. MILDRED A. SCHNEIDER, Los Angeles, Calif.
Filed July 5, 1939. Serial No. 421,296. PUBLISHED OCTOBER 31, 1939. Class 29.

374,392. WOMEN'S AND MISSES' FUR COATS AND COATS AND SUITS TRIMMED WITH FUR. THE ETKIN-BANNER CO., INC., New York, N. Y.
Filed July 7, 1939. Serial No. 421,342. PUBLISHED OCTOBER 17, 1939. Class 39.

374,393. OVERCOATS, TOPCOATS, AND SUITS FOR MEN, AND YOUNG MEN. EAGLE CLOTHES, New York, N. Y.
Filed July 8, 1939. Serial No. 421,377. PUBLISHED OCTOBER 10, 1939. Class 39.

374,394. CARTOONS. ROBERT B. HOLLINGSWORTH, Chicago, Ill.
Filed July 8, 1939. Serial No. 421,382. PUBLISHED OCTOBER 24, 1939. Class 38.

374,395. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS, ETC. COHEN, GOLDMAN & CO., INC., New York, N. Y.
Filed July 10, 1939. Serial No. 421,419. PUBLISHED OCTOBER 24, 1939. Class 39.

374,396. SPORT SHIRTS AND MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 11, 1939. Serial No. 421,450. PUBLISHED OCTOBER 17, 1939. Class 39.

374,397. COSMETIC APPLICATORS. CHARLES E. ZIMMERMAN, Chicago, Ill.
Filed July 12, 1939. Serial No. 421,498. PUBLISHED OCTOBER 31, 1939. Class 29.

374,398. OUTER SHIRTS OF ALL KINDS AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. CLUETT, PEABODY & CO., INC., Troy, New York.
Filed July 14, 1939. Serial No. 421,564. PUBLISHED OCTOBER 10, 1939. Class 39.

374,399. MONTHLY DENTAL MAGAZINE. COE LABORATORIES, INC., Chicago, Ill.
Filed July 17, 1939. Serial No. 421,640. PUBLISHED OCTOBER 24, 1939. Class 38.

374,400. LADIES' SKIRTS, JACKETS, BLOUSES, AND COATS. MORRIS SLOAT, doing business as M. Sloat Company, New York, N. Y.
Filed July 17, 1939. Serial No. 421,674. PUBLISHED OCTOBER 17, 1939. Class 39.

374,401. MEN'S AND YOUNG MEN'S SUITS AND TROUSERS. H. DAROFF & SONS, INC., Philadelphia, Pa.
Filed July 18, 1939. Serial No. 421,696. PUBLISHED OCTOBER 17, 1939. Class 39.

374,402. MEN'S AND BOYS' UNDERSHIRTS. COOPER'S, INCORPORATED, Kenosha, Wis.
Filed July 19, 1939. Serial No. 421,727. PUBLISHED OCTOBER 10, 1939. Class 39.

374,403. FEEDSTUFFS FOR LIVESTOCK AND POULTRY—NAMELY, GLUTEN FEED, GLUTEN MEAL, AND CORN OIL MEAL. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed July 19, 1939. Serial No. 421,728. PUBLISHED OCTOBER 31, 1939. Class 46.

374,404. EQUIPMENT ADAPTED FOR USE WITH HAIR WAVING, CURLING, DRESSING, AND TREATING MACHINES TOGETHER WITH SUCH MACHINES AND PARTS THEREOF. SCIENTIFIC WAVING CO., Toledo, Ohio.
Filed July 19, 1939. Serial No. 421,748. PUBLISHED OCTOBER 31, 1939. Class 44.

374,405. HOSIERY. TROJAN HOSIERY MILLS, INCORPORATED, Indianapolis, Ind.
Filed July 19, 1939. Serial No. 421,751. PUBLISHED OCTOBER 24, 1939. Class 39.

374,406. SUBSTANCES FOR TAKING DENTAL IMPRESSIONS. THE AMALGAMATED DENTAL CO. LTD., London, England.
Filed July 20, 1939. Serial No. 421,755. PUBLISHED OCTOBER 31, 1939. Class 44.

374,407. WOMEN'S, MEN'S, BOYS', AND GIRLS' SKI CLOTHES, SNOW PANTS, SNOWSUITS, AND DOWNHILL PANTS. KENILWORTH MFG. CO., INC., New York, N. Y.
Filed July 20, 1939. Serial No. 421,779. PUBLISHED OCTOBER 31, 1939. Class 39.

374,408. SUITS, COATS, VESTS, PANTS, OVERCOATS, AND TOPCOATS FOR MEN. S. MAKRANSKY & SONS, Philadelphia, Pa.
Filed July 20, 1939. Serial No. 421,782. PUBLISHED OCTOBER 10, 1939. Class 39.

374,409. WIRE NETTING. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed July 22, 1939. Serial No. 421,862. PUBLISHED OCTOBER 31, 1939. Class 13.

374,410. STOCKINGS. SOCIETY MAID HOSIERY MILLS, INC., New York, N. Y.
Filed July 22, 1939. Serial No. 421,865. PUBLISHED OCTOBER 17, 1939. Class 39.

374,411. FRESH CITRUS FRUITS. ELDERWOOD CITRUS ASSOCIATION, Woodlake, Calif.
Filed July 24, 1939. Serial No. 421,876. PUBLISHED OCTOBER 31, 1939. Class 46.

374,412. HOSIERY. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed July 24, 1939. Serial No. 421,879. PUBLISHED OCTOBER 24, 1939. Class 39.

374,413. SERIES OF BOOKS PUBLISHED FROM TIME TO TIME. MCLOUGHLIN BROS., INC., Springfield, Mass.
Filed July 24, 1939. Serial No. 421,889. PUBLISHED OCTOBER 24, 1939. Class 38.

374,414. WOMEN'S GENUINE CREPE HOSIERY. FREDERICK LOESER & CO., INC., Brooklyn, N. Y.
Filed July 25, 1939. Serial No. 421,940. PUBLISHED OCTOBER 17, 1939. Class 39.

374,415. SKIRTS AND JACKETS FOR THE USE OF WOMEN AND GIRLS. MARKS SCHNEIDER, doing business as Columbia Skirt Co., Boston, Mass.
Filed July 25, 1939. Serial No. 421,947. PUBLISHED OCTOBER 24, 1939. Class 39.

374,416. ELASTIC SUPPORTERS OF THE WAIST ENCIRCLING SUSPENSORY TYPE, AND ELASTIC SURGICAL SUPPORTERS FOR VARIOUS OTHER PARTS OF THE HUMAN BODY. GUELPH ELASTIC HOSIERY COMPANY LIMITED, Guelph, Ontario, Canada.
Filed July 26, 1939. Serial No. 421,969. PUBLISHED OCTOBER 31, 1939. Class 44.

374,417. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS. KAYLON, INC., New York, N. Y.
Filed July 26, 1939. Serial No. 421,972. PUBLISHED OCTOBER 10, 1939. Class 39.

374,418. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, PLAY SUITS, OUTER SKIRTS, JACKETS, COATS, AND BATHING SUITS, MADE OF KNITTED AND WOVEN WOOLEN FABRIC. S. AUGSTEIN & CO., New York, N. Y.
Filed July 27, 1939. Serial No. 421,988. PUBLISHED OCTOBER 17, 1939. Class 39.

374,419. UNDERWEAR MADE OF COTTON KNIT MATERIAL, PARTICULARLY BOYS' SHIRTS, BOYS' SHORTS OR TRUNKS, BOYS' OUTER SUITS, ETC. UNION KNITTING MILLS, INC., Schuylkill Haven, Pa.
Filed July 27, 1939. Serial No. 422,027. PUBLISHED OCTOBER 17, 1939. Class 39.

374,420. LADIES' AND MISSES' COATS, SUITS, AND COMBINATIONS THEREOF. KOLBERT-LIEBERMAN, INC., New York, N. Y.
Filed July 28, 1939. Serial No. 422,058. PUBLISHED OCTOBER 10, 1939. Class 39.

374,421. INFANTS', GIRLS', BOYS', AND MISSES' COATS, OF WOOL, MOHAIR, AND A COMBINATION OF SAID MATERIALS. MARILYN INFANTS WEAR CO., INC., New York, N. Y.
Filed July 28, 1939. Serial No. 422,062. PUBLISHED OCTOBER 17, 1939. Class 39.

374,422. WOMEN'S AND MISSES' COATS, SUITS, AND COAT AND SUIT ENSEMBLES. JULIUS NELSON CORP., New York, N. Y.
Filed July 28, 1939. Serial No. 422,067. PUBLISHED OCTOBER 10, 1939. Class 39.

374,423. LADIES' SLIPS AND PETTICOATS OF RAYON SATIN. STYLECRAFT-BROWN CORP., New York, N. Y.
Filed July 28, 1939. Serial No. 422,077. PUBLISHED OCTOBER 10, 1939. Class 39.

374,424. MONTHLY PUBLICATION RELATING TO FINANCIAL AND BUSINESS CONDITIONS. CARTER H. HARRISON & COMPANY, Chicago, Ill.
Filed July 25, 1939. Serial No. 422,084. PUBLISHED OCTOBER 31, 1939. Class 38.

374,425. BOTTLE CLOSURES. COWDREY PRODUCTS COMPANY, INC., Fitchburg, Mass.
Filed July 29, 1939. Serial No. 422,088. PUBLISHED OCTOBER 31, 1939. Class 50.

374,426. LUBRICATING OILS AND GREASES, LUBRICATING OIL COMPOUNDS, AND MOTOR LUBRICATING OILS. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio.
Filed July 31, 1939. Serial No. 422,138. PUBLISHED OCTOBER 24, 1939. Class 15.

374,427. CHEMICALLY TREATED POLISHING CLOTHS. NOTIONS, INC., New York, N. Y.
Filed July 31, 1939. Serial No. 422,147. PUBLISHED OCTOBER 31, 1939. Class 4.

374,428. MEN'S AND WOMEN'S SUITS AND OVERCOATS. ROYAL DIAMOND AND WATCH COMPANY, INC., New York, N. Y.
Filed July 31, 1939. Serial No. 422,153. PUBLISHED OCTOBER 24, 1939. Class 39.

374,429. PLASTIC ASPHALT OR COAL-TAR MATERIALS TO BE USED IN COATING ROOFS, DRAIN PIPES, AND SIMILAR SURFACES. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed August 1, 1939. Serial No. 422,182. PUBLISHED OCTOBER 31, 1939. Class 12.

374,430. CARBONATED LEMON SODA AND A CONCENTRATED LEMON FLAVORING SIRUP. WITE-SODA CO., Columbia, Mo.
Filed August 1, 1939. Serial No. 422,189. PUBLISHED OCTOBER 31, 1939. Class 45.

374,431. SILK HOSIERY. NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind.
Filed August 2, 1939. Serial No. 422,216. PUBLISHED OCTOBER 17, 1939. Class 39.

374,432. SOCKS AND STOCKINGS. KRAMER BROTHERS, New York, N. Y.
Filed August 3, 1939. Serial No. 422,251. PUBLISHED OCTOBER 10, 1939. Class 39.

374,433. BREAD. LEWIS BAKERY, INC., Birmingham, Ala.
Filed August 3, 1939. Serial No. 422,252. PUBLISHED OCTOBER 31, 1939. Class 46.

374,434. WINDOW CURTAINS IN THE NATURE OF TIE-BACK CURTAINS OR DRAPES MADE OF MARQUISETTE CLOTH OR OTHER SHEER LIGHT-TRANSMITTING CLOTH. MODERN CURTAIN CO. INC., Boston, Mass.
Filed August 3, 1939. Serial No. 422,256. PUBLISHED OCTOBER 31, 1939. Class 42.

374,435. LADIES' AND MISSES' COATS, SUITS. JOSEPH STEIN COATS, INC., New York, N. Y.
Filed August 3, 1939. Serial No. 422,263. PUBLISHED OCTOBER 24, 1939. Class 39.

374,436. FUNCTIONAL SPORTSWEAR—NAMELY, OUTER SHIRTS, JACKETS, PANTS, AND SLACKS FOR MEN AND BOYS. SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y.
Filed August 3, 1939. Serial No. 422,264. PUBLISHED OCTOBER 24, 1939. Class 39.

374,437. HOSIERY FOR WOMEN. COOPER, WELLS & COMPANY, St. Joseph, Mich.
Filed August 4, 1939. Serial No. 422,274. PUBLISHED OCTOBER 24, 1939. Class 39.

374,438. MEN'S AND BOYS' SUITS, TOP-COATS, OVERCOATS, AND SPORT JACKETS. MEYERS-SEEMAN COMPANY, INC., Buffalo, N. Y.
Filed August 4, 1939. Serial No. 422,294. PUBLISHED OCTOBER 10, 1939. Class 39.

374,439. LADIES' AND CHILDREN'S UNDERWEAR. BLUE SWAN MILLS INC., New York, N. Y.
Filed August 7, 1939. Serial No. 422,354. PUBLISHED OCTOBER 10, 1939. Class 39.

374,440. FEED FOR LIVESTOCK AND POULTRY. SWIFT AND COMPANY, Chicago, Ill.
Filed August 8, 1939. Serial No. 422,421. PUBLISHED OCTOBER 31, 1939. Class 46.

374,441. CHEMICAL COMPOUNDS IN THE NATURE OF LIQUID WATERPROOFING PREPARATIONS FOR USE ON CONCRETE, STUCCO, BRICK, MASONRY SURFACES, PLASTER, INSULATING BOARDS, ASBESTOS, SHINGLE OR TILE, WOOD, CANVAS, AND OTHER SURFACES. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J.
Filed August 8, 1939. Serial No. 422,425. PUBLISHED OCTOBER 31, 1939. Class 12.

374,442. SECTION OF A PERIODICAL PUBLICATION. THE CHICAGO DAILY NEWS, INC., Chicago, Ill.
Filed August 9, 1939. Serial No. 422,460. PUBLISHED OCTOBER 31, 1939. Class 38.

374,443. SWEATERS. GLASCO LIMITED, Philadelphia, Pa.
Filed August 10, 1939. Serial No. 422,472. PUBLISHED OCTOBER 10, 1939. Class 39.

374,444. GLASS CLEANING PREPARATION. JOHN G. JONES, doing business as Jones Brothers Co., Chicago, Ill.
Filed August 10, 1939. Serial No. 422,476. PUBLISHED OCTOBER 31, 1939. Class 4.

374,445. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed August 10, 1939. Serial No. 422,483. PUBLISHED OCTOBER 31, 1939. Class 37.

374,446. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed August 10, 1939. Serial No. 422,484. PUBLISHED OCTOBER 31, 1939. Class 37.

374,447. MISSES' AND WOMEN'S DRESSES. BIDERMAN BROS. INC., Philadelphia, Pa.
Filed August 11, 1939. Serial No. 422,503. PUBLISHED OCTOBER 10, 1939. Class 39.

374,448. THREADS AND YARNS MADE OF SYNTHETIC TEXTILE FIBERS OBTAINED FROM CASEIN. COLLINS AND AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed August 11, 1939. Serial No. 422,505. PUBLISHED OCTOBER 10, 1939. Class 43.

374,449. SMOKING TOBACCO. HUDSON COUNTY TOBACCO COMPANY, Jersey City, N. J.
Filed August 11, 1939. Serial No. 422,511. PUBLISHED OCTOBER 31, 1939. Class 17.

374,450. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. VAN RAALTE COMPANY, INC., New York, N. Y.
Filed August 11, 1939. Serial No. 422,520. PUBLISHED OCTOBER 10, 1939. Class 39.

374,451. WOMEN'S DRESSES. WENTWORTH MANUFACTURING COMPANY, Fall River, Mass.
Filed August 11, 1939. Serial No. 422,531. PUBLISHED OCTOBER 10, 1939. Class 39.

374,452. STEEL IN THE FORM OF INGOTS, BILLETS, BARS, RODS, WIRE, SHEETS, CASTINGS, OR FORGINGS. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio.
Filed August 15, 1939. Serial No. 422,564. PUBLISHED OCTOBER 31, 1939. Class 14.

374,453. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. BAKER CLOTHES, INC., Philadelphia, Pa.
Filed August 14, 1939. Serial No. 422,568. PUBLISHED OCTOBER 10, 1939. Class 39.

374,454. CEMENT SHEET HAVING A PROTECTIVE COATING APPLIED TO ONE SIDE OF SAID SHEET AND USED AS A BUILDING SPECIALTY. FRANCIS S. STEWART, Southgate, Calif.
Filed August 14, 1939. Serial No. 422,604. PUBLISHED OCTOBER 24, 1939. Class 12.

374,455. TURPENTINE. AMERICAN TURPENTINE FARMERS ASSOCIATION CO-OPERATIVE, Valdosta, Ga.
Filed August 16, 1939. Serial No. 422,648. PUBLISHED OCTOBER 31, 1939. Class 16.

374,456. LADIES' AND MISSES' SHOES AND SLIPPERS, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. GREGORY & READ CO., Lynn, Mass.
Filed August 16, 1939. Serial No. 422,669. PUBLISHED OCTOBER 24, 1939. Class 39.

374,457. IRON ALLOY CASTINGS. LITTLE BROTHERS FOUNDRY COMPANY, Port Huron, Mich.
Filed August 16, 1939. Serial No. 422,670. PUBLISHED OCTOBER 31, 1939. Class 14.

374,458. WOMEN'S AND MISSES' WASH FROCKS, DRESSES, HOSTESS COATS, NEGLIGEES, AND ROBES. OGDEN-UTAH KNITTING COMPANY, Ogden, Utah.
Filed August 17, 1939. Serial No. 422,713. PUBLISHED OCTOBER 17, 1939. Class 39.

374,459. MEN'S NEGLIGEE AND DRESS SHIRTS, PAJAMAS, AND SPORT SHIRTS. THE ENRO SHIRT COMPANY, INC., Louisville, Ky.
Filed August 18, 1939. Serial No. 422,738. PUBLISHED OCTOBER 31, 1939. Class 39.

374,460. MEN'S NEGLIGEE SHIRTS WITH COLLARS ATTACHED. ESSLEY SHIRT COMPANY, INC., New York, N. Y.
Filed August 18, 1939. Serial No. 422,739. PUBLISHED OCTOBER 31, 1939. Class 39.

374,461. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed August 19, 1939. Serial No. 422,787. PUBLISHED OCTOBER 31, 1939. Class 17.

374,462. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed August 19, 1939. Serial No. 422,793. PUBLISHED OCTOBER 31, 1939. Class 17.

374,463. BOOKS, CIRCULARS, ADVERTISING MATTER, AND THE LIKE SOLD AS SUCH TO THE TRADE AND ISSUED FROM TIME TO TIME. ASHTON B. COLLINS, Birmingham, Ala.
Filed August 21, 1939. Serial No. 422,806. PUBLISHED OCTOBER 24, 1939. Class 38.

374,464. ABRASIVE WHEELS OR DISKS. GARDNER MACHINE COMPANY, South Beloit, Ill.
Filed August 21, 1939. Serial No. 422,816. PUBLISHED OCTOBER 31, 1939. Class 4.

374,465. ABRASIVE WHEELS OR DISKS. GARDNER MACHINE COMPANY, South Beloit, Ill.
Filed August 21, 1939. Serial No. 422,817. PUBLISHED OCTOBER 31, 1939. Class 4.

374,466. DISPLAY DEVICES IN THE NATURE OF COLOR CHARTS FOR WEARING APPAREL. ABERLE, INC., Philadelphia, Pa.
Filed August 21, 1939. Serial No. 422,847. PUBLISHED OCTOBER 31, 1939. Class 50.

374,467. BANDAGES AND BANDAGING MATERIAL FOR WOUNDS. VASENOLWERKE DR. ARTHUR KOPP KOMMANDITGESELLSCHAFT, Leipzig, Germany.
Filed August 22, 1939. Serial No. 422,876. PUBLISHED OCTOBER 31, 1939. Class 44.

374,468. PERIODICAL. FARRELL PUBLISHING CORPORATION, New York, N. Y.
Filed August 23, 1939. Serial No. 422,881. PUBLISHED OCTOBER 24, 1939. Class 38.

374,469. LADIES' COATS AND SUITS. BRADSHAW & KRAITZER, St. Louis, Mo.
Filed August 23, 1939. Serial No. 422,890. PUBLISHED OCTOBER 17, 1939. Class 39.

374,470. WOMEN'S COATS, SUITS, AND DRESSES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,893. PUBLISHED OCTOBER 24, 1939. Class 39.

374,471. REENFORCING ARMOR ADAPTED FOR USE IN BRIDGE DECKING, LOADING PLATFORMS, HEAVY DUTY FLOORING, SUCH AS WAREHOUSE FLOORS, AND LININGS FOR OIL CRACKING STILLS. WILLIAM F. KLEMP COMPANY, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,901. PUBLISHED OCTOBER 31, 1939. Class 12.

374,472. WOMEN'S, MISSES', AND CHILDREN'S SLIPS, PANTIES, PAJAMAS, AND NIGHT GOWNS. LADY ESTER LINGERIE CORPORATION, New York, N. Y.
Filed August 23, 1939. Serial No. 422,902. PUBLISHED OCTOBER 24, 1939. Class 39.

374,473. OLEOMARGARINE AND SALAD DRESSING. SHEDD PRODUCTS COMPANY, Detroit, Mich.
Filed August 23, 1939. Serial No. 422,913. PUBLISHED OCTOBER 31, 1939. Class 46.

374,474. HOUSEHOLD CLEANSER. STEELE-WEDELES COMPANY, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,915. PUBLISHED OCTOBER 31, 1939. Class 4.

374,475. OVERCOATS, TOPCOATS, AND SUITS FOR MEN AND YOUNG MEN. EAGLE CLOTHES, New York, N. Y.
Filed August 24, 1939. Serial No. 422,928. PUBLISHED OCTOBER 17, 1939. Class 39.

374,476. WHEAT FLOUR. GARLAND MILLING COMPANY, Greensburg, Ind.
Filed August 24, 1939. Serial No. 422,929. PUBLISHED OCTOBER 31, 1939. Class 46.

374,477. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND FACIAL TISSUE. C. WILSON WOOD, doing business as L. K. Mallinckrodt, Baltimore, Md.
Filed August 24, 1939. Serial No. 422,969. PUBLISHED OCTOBER 31, 1939. Class 37.

374,478. CANNED PEAS. CLYMAN CANNING COMPANY, Hartford, Wis.
Filed August 25, 1939. Serial No. 422,985. PUBLISHED OCTOBER 31, 1939. Class 46.

374,479. RADIO RECEIVING SETS AND PARTS THEREOF AND ELECTRICAL APPLIANCES AND EQUIPMENT USED IN CONNECTION WITH OR FOR RADIO RECEIVING AND TRANSMITTING APPARATUS. ELECTRICAL RESEARCH LABORATORIES, INC., Evanston, Ill.
Filed August 25, 1939. Serial No. 422,990. PUBLISHED OCTOBER 31, 1939. Class 21.

374,480. MEN'S AND YOUNG MEN'S OVERCOATS AND TOPCOATS. H. DAROFF & SONS, INC., Philadelphia, Pa.
Filed August 29, 1939. Serial No. 423,086. PUBLISHED OCTOBER 31, 1939. Class 39.

374,481. CANNED FISH. FRENCH SARDINE CO., INC., Terminal Island, Calif.
Filed August 29, 1939. Serial No. 423,093. PUBLISHED OCTOBER 31, 1939. Class 46.

374,482. PANTIES AND WOMEN'S UNDIES. LASKIN BROTHERS, INC., Philadelphia, Pa.
Filed August 29, 1939. Serial No. 423,100. PUBLISHED OCTOBER 17, 1939. Class 39.

374,483. TEA. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed August 30, 1939. Serial No. 423,146. PUBLISHED OCTOBER 31, 1939. Class 46.

374,484. FISH FOOD. EUGENE B. BAEHR & SONS, New York, N. Y.
Filed August 31, 1939. Serial No. 423,156. PUBLISHED OCTOBER 31, 1939. Class 46.

374,485. SPORT JACKETS, SPORT SUITS, SLACKS, WAISTCOATS, OVERCOATS, TOPCOATS, AND SUITS FOR MEN. CURRICK & LEIKEN CO. INC., New York, N. Y.
Filed August 31, 1939. Serial No. 423,165. PUBLISHED OCTOBER 31, 1939. Class 39.

374,486. INTERNAL COMBUSTION ENGINES FOR GENERAL POWER APPLICATION; COMPLETE INDUSTRIAL POWER UNITS FOR GENERAL POWER APPLICATION, ETC. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich.
Filed September 1, 1939. Serial No. 423,208. PUBLISHED OCTOBER 31, 1939. Class 23.

374,487. COMPUTING MACHINES. REMINGTON RAND INC., Buffalo, N. Y.
Filed September 1, 1939. Serial No. 423,230. PUBLISHED OCTOBER 31, 1939. Class 26.

374,488. SOAPS; CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADENT NATURE, FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 5, 1939. Serial No. 423,290. PUBLISHED OCTOBER 31, 1939. Class 4.

374,489. SOAPS; CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADENT NATURE, FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 5, 1939. Serial No. 423,291. PUBLISHED OCTOBER 31, 1939. Class 4.

374,490. ANNUAL PUBLICATION WITH REGARD TO THE BETTER UNDERSTANDING AND ACCEPTANCE OF HEALTH PROTECTION AND INSTALLMENT INVESTMENT PLANS, THE PRINCIPAL OBJECTIVE OF WHICH IS THE CREATION OF RESERVE FUNDS FOR FUTURE USE. FRANK T. MARTOCCI, New York, N. Y.
Filed September 5, 1939. Serial No. 423,308. PUBLISHED OCTOBER 24, 1939. Class 38.

374,491. MATERNITY DRESSES. JOSEPH ROTHSTEIN, Philadelphia, Pa.
Filed September 6, 1939. Serial No. 423,341. PUBLISHED OCTOBER 31, 1939. Class 39.

374,492. NOVELTIES, FLATWARE, AND HOLLOWWARE COMPOSED WHOLLY OR IN PART OF SILVER. THE WATSON COMPANY, Attleboro, Mass.
Filed September 6, 1939. Serial No. 423,345. PUBLISHED OCTOBER 24, 1939. Class 28.

374,493. NOVELTIES, FLATWARE, AND HOLLOWWARE COMPOSED WHOLLY OR IN PART OF SILVER. THE WATSON COMPANY, Attleboro, Mass.
Filed September 6, 1939. Serial No. 423,346. PUBLISHED OCTOBER 24, 1939. Class 28.

374,494. FERROUS METAL WIRE, FERROUS METAL SHEETS, AND FERROUS METAL RODS. AMERICAN CHAIN & CABLE COMPANY, INC., Bridgeport, Conn.
Filed September 7, 1939. Serial No. 423,365. PUBLISHED OCTOBER 31, 1939. Class 14.

374,495. CLEANSING PREPARATION IN CREAM FORM FOR CLEANING PAINTED WOODWORK, PAINTED WALLS, ALL PAINTED OR VARNISHED SURFACES, ETC. CLARENCE J. HERRETT, Bremerton, Wash.
Filed September 7, 1939. Serial No. 423,381. PUBLISHED OCTOBER 31, 1939. Class 4.

374,496. DRY SHAVERS, SHEARING HEADS FOR DRY SHAVERS, AND CASINGS FOR DRY SHAVERS. SCHICK DRY SHAVER, INC., Stamford, Conn.
Filed September 2, 1939. Serial No. 423,398. PUBLISHED OCTOBER 31, 1939. Class 23.

374,497. ASSEMBLED RADIO RECEIVING SETS AND PARTS THEREOF. STROMBERG-CARLSON TELEPHONE MFG. CO., Rochester, N. Y.
Filed September 1, 1939. Serial No. 423,402. PUBLISHED OCTOBER 31, 1939. Class 21.

374,498. LIQUID HYDROCARBON POLYMERS OF LUBRICATING OIL TYPE CHARACTERIZED BY HIGH VISCOSITY, COMPARATIVE FREEDOM FROM COLOR BODIES, CHEMICAL INERTNESS, AND ADHESIVENESS. STANDARD OIL COMPANY OF CALIFORNIA. Wilmington, Del., and San Francisco, Calif.
Filed September 9, 1939. Serial No. 423,475. PUBLISHED OCTOBER 31, 1939. Class 15.

374,499. HOSIERY. Y. & B. HOSIERY MILLS, Reading, Pa.
Filed September 11, 1939. Serial No. 423,518. PUBLISHED OCTOBER 31, 1939. Class 39.

374,500. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. SAMUEL M. BEE, doing business as Regent Products Company, Detroit, Mich.
Filed September 13, 1939. Serial No. 423,547. PUBLISHED OCTOBER 31, 1939. Class 44.

374,501. SURGICAL LAMPS. NATIONAL MEDICAL-DENTAL PRODUCTS CORP., New York, N. Y.
Filed September 14, 1939. Serial No. 423,608. PUBLISHED OCTOBER 31, 1939. Class 44.

374,502. TRUSSES. ALBERT C. HERZBERG, doing business as Kumfo Truss Company, New York, N. Y.
Filed September 21, 1939. Serial No. 423,811. PUBLISHED OCTOBER 31, 1939. Class 44.

374,503. HOSIERY. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed September 14, 1939. Serial No. 423,619. PUBLISHED OCTOBER 31, 1939. Class 39.

374,504. REFRACTORY BRICKS, REFRACTORY PLASTICS, AND REFRACTORY CEMENTS. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed September 23, 1939. Serial No. 423,888. PUBLISHED OCTOBER 31, 1939. Class 12.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

374,505. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LENART IMPORT, LTD., New York, N. Y. Filed Oct. 28, 1937. Serial No. 399,047.

Lenart

For Dolls.
Claims use since July 1, 1937.

374,506. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio. Filed June 29, 1938. Serial No. 408,018.

SWARTWOUT

For Industrial Ovens.
Claims use since 1922.

374,507. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. G. DONALDSON, Los Angeles, Calif. Filed Aug. 23, 1938. Serial No. 409,870.

SPRAYFOAM

For Dishwasher.
Claims use since Mar. 15, 1938.

374,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAILY VITAMINS, INC., Cincinnati, Ohio. Filed Oct. 31, 1938. Serial No. 412,220.

Daily VITAMINS

For Pharmaceutical Preparations—Specifically, Capsules Containing Vitamin Preparations.
Claims use since Oct. 15, 1938.

374,509. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FRANK J. KOS, Chicago, Ill. Filed Nov. 3, 1938. Serial No. 412,344.

DR. BIRD'S

For Toothbrushes.
Claims use since Oct. 25, 1938.

374,510. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED MEYER, INC., Portland, Oreg. Filed Nov. 8, 1938. Serial No. 412,513.

MY-TE-FINE

For Tooth Paste.
Claims use since July 1, 1935.

374,511. (CLASS 17. TOBACCO PRODUCTS.) FRED MEYER, INC., Portland, Oreg. Filed Nov. 8, 1938. Serial No. 412,515.

My-Te-Fine

For Smoking Tobacco.
Claims use since July 1, 1934.

374,512. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE COLSON CORPORATION, Elyria, Ohio. Filed Nov. 16, 1938. Serial No. 412,801.

FEATHERWEIGHT

For Bicycles.
Claims use since July, 1938.

374,513. (CLASS 39. CLOTHING.) NEAJON HOSIERY COMPANY, INC., New York, N. Y. Filed Nov. 17, 1938. Serial No. 412,864.

Sheertone

For Ladies' Full Fashioned Silk Hosiery.
Claims use since Nov. 3, 1938.

374,514. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SULCO SALES CORPORATION, New York, N. Y. Filed Nov. 19, 1938. Serial No. 412,984.

Wyre Blok

For Woven and Moulded Brake Linings.
Claims use since Nov. 9, 1938.

374,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TRET-O-LITE COMPANY, Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware. Filed Nov. 28, 1938. Serial No. 413,253.

THIN-RITE

For Chemical Compounds and Preparations for Use in Well-Drilling Operations.
Claims use since Aug. 19, 1938.

374,516. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOPP-WHITTAM CORPORATION, Linden, N. J. Filed Dec. 6, 1938. Serial No. 413,509.

Hydrophil

For Base Material Adapted for the Production of Face Creams and Similar Creams.
Claims use since Apr. 9, 1931.

374,517. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PENNSYLVANIA WOVEN WIRE COMPANY, Lock Haven, Pa. Filed Dec. 17, 1938. Serial No. 413,958.

Pennwoven

For Screen Wire Cloth.
Claims use since Dec. 5, 1938.

374,518. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B & S LABORATORIES, New York, N. Y. Filed Dec. 14, 1938. Serial No. 413,966.



For Shampoo.
Claims use since Oct. 24, 1938.

374,519. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENRICH PRODUCTS CO., INC., New York, N. Y. Filed Dec. 29, 1938. Serial No. 414,290.

Enrich

TRADE MARK—BRAND

ORGANIC IRON HEMATINIC

For Preparations Used in the Treatment of the Blood.
Claims use since Apr. 26, 1938.

374,520. (CLASS 32. FURNITURE AND UPHOLSTERY.) AMERICAN FIXTURE AND MFG. CO., St. Louis, Mo. Filed Jan. 3, 1939. Serial No. 414,427.

CHROMCraft

For Furniture—Namely, Chairs, Tables, Stools, and Racks.
Claims use since Dec. 1, 1938.

374,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. O. FREDERICK, Louisville, Ky. Filed Jan. 4, 1939. Serial No. 414,490.

FREDERICK'S

For Baked Sea Turtle Meat and Turtle Soup Sold in Cans and Analogous Transportable Containers.
Claims use since Nov. 21, 1938.

374,522. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE HEIL CO., Milwaukee, Wis. Filed Jan. 13, 1939. Serial No. 414,781.

HEIL

For Oil Burners, Coal, Oil and Gas Burning Boiler-Burner Units; Air Conditioning Units; and Wood, Coal, Oil, and Gas Burning Furnace Units.
Claims use since Aug. 15, 1929.

374,523. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 21, 1939. Serial No. 415,078.

THE TIRE WITHIN A TIRE

For Rubber or Rubber and Fabric Inner Tubes for Pneumatic Tire Casings.
Claims use since Oct. 27, 1938.

374,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LILY YURIKO TAKAKI, Honolulu, Territory of Hawaii. Filed Feb. 25, 1939. Serial No. 416,442.

NIPPON GWAN

日本丸

For Medicinal Preparation for Use for Colds.
Claims use since Aug. 3, 1924.

374,525. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA LIEBOWITZ HECHTER, San Francisco, Calif. Filed Feb. 28, 1939. Serial No. 416,512.

HECHTER FLEA KILLER

For Liquid Solution To Be Used for Killing Fleas.
Claims use since Oct. 1, 1938.

374,526. (CLASS 43. THREAD AND YARN.) M. STANLEY BROWN, New York, N. Y. Filed Mar. 18, 1939. Serial No. 417,201.

YARROW

For Yarns.
Claims use since 1932.

374,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. LOWE, Dorchester, Mass. Filed Mar. 22, 1939. Serial No. 417,379.

Buy Me When You See Me
Use Me When You Need Me

"LOWE'S" LINIMENT

For Liniment To Be Externally Applied and for Use in Reducing Discomfort Resulting from Aches, Over-Exertion, Fatigue, Due to Exposure, Strain, Bruises, and Superficial Cuts.
Claims use since Nov. 1, 1938.

374,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EL MOROCCO CORPORATION, New York, N. Y. Filed Apr. 5, 1939. Serial No. 417,873.



For Perfume.
Claims use since July 15, 1938.

374,529. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GLEMBY COMPANY, INC., New York, N. Y. Filed Apr. 12, 1939. Serial No. 418,146.

Lorraine

For Hair Goods—Namely, Switches, Transformations, Bob Wigs, Puffs, Curls, Ringlets, Wavelets, Pin Curls, Hair Rolls, and Crepe Wool Used in Foundations for the Hair.
Claims use since Oct. 14, 1938.

374,530. (CLASS 32. FURNITURE AND UPHOLSTERY.) STEELWOOD MANUFACTURING COMPANY, Detroit, Mich. Filed Apr. 20, 1939. Serial No. 418,473.

TOTSEAT

For Children's Chairs.
Claims use since Aug. 6, 1938.

374,531. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OZONIZED OX MARROW CO., Warsaw, Ill. Filed May 10, 1939. Serial No. 419,270.

FORD'S HAIR POMADE



The portrait is fanciful.
For Pomade or Dressing for Hair.
Claims use since 1909.

374,532. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BENJAMIN & EDWARD J. GROSS CO., INC., New York, N. Y., assignor to Center Watch & Diamond Co., Inc., Chattanooga, Tenn., a corporation of Tennessee. Filed June 15, 1939. Serial No. 420,524.

STUART

For Watches and Watch Movements.
Claims use since November, 1938.

374,533. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) J. E. MCAULEY MFG. CO., Chicago, Ill. Filed June 27, 1939. Serial No. 421,002.

Peerless

For Electric Arc Lamps for Motion Picture Projectors.
Claims use since Sept. 12, 1924.

374,534. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH H. SCHMITZ, doing business as Palm Products Co., Philadelphia, Pa., assignor to S. F. Durst & Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Filed Sept. 6, 1939. Serial No. 423,343.

ADHESIVE EASE

For Preparation for Removing Adhesive from the Body.
Claims use since February, 1938.

374,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Sept. 8, 1939. Serial No. 423,408.

COLUMBIA

For Activated Carbon Used for the Recovery of Vapors and Condensable Gases from Air or Other Gases, for Removing Vaporous and Gaseous Impurities and Odors from Air and Other Gases, for Removing Impurities from Liquids, for the Storage of Gases, as a Catalyst and Catalyst Carrier, and for All Other Purposes for Which It May be Suitable Because of Its Adsorptive Power.
Claims use since 1921.

374,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALDOX RESEARCH CORPORATION, Boston, Mass. Filed Sept. 9, 1939. Serial No. 423,452.

cedar suds

For Shampoo To Be Used on Dogs.
Claims use since July 6, 1937.

374,537. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) B. C. LEATHER CO. LTD., Vancouver, British Columbia, Canada. Filed Sept. 11, 1939. Serial No. 423,478.

LO-BAK

For Golf Clubs and Golf Club Parts.
Claims use since Aug. 15, 1936.

374,538. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE CUNDY-BETTONEY COMPANY, INC., Boston, Mass. Filed Sept. 11, 1939. Serial No. 423,540.

BOSTONIAN

For Flutes, Piccolos, Clarinets in All Sizes and Pitches, Oboes, and Bassoons.
Claims use since Aug. 1, 1937.

374,539. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JACOB NEUMANN, doing business as Crown Luggage Co., Baltimore, Md. Filed Sept. 19, 1939. Serial No. 423,743.

BENGAL STRIPES by CROWN

For Empty Cosmetic and Make-Up Cases.
Claims use since Aug. 1, 1938.

374,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PELT & BROWN, INC., Richmond, Va. Filed Sept. 21, 1939. Serial No. 423,964.

URO-CHLOR

For Urinary Antiseptic.
Claims use since Mar. 10, 1936.

374,541. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ACCURACY SCIENTIFIC INSTRUMENT COMPANY, Philadelphia, Pa. Filed Oct. 5, 1939. Serial No. 424,218.

YEL ⊖ BAK

For Thermometers.
Claims use since July, 1938.

374,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT H. HOFFMAN, doing business as Hoffman Health Products Co., Tampa, Fla. Filed Oct. 12, 1939. Serial No. 424,478.

EL PANAL

For Cuban Honey.
Claims use since May 10, 1938.

374,543. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE MEYER FURNACE COMPANY, Peoria, Ill. Filed Oct. 30, 1939. Serial No. 425,056.

BLO-AIRE

For Blowers for Heating, Ventilating, and Air Conditioning.

Claims use since Sept. 1, 1938.

374,544. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BOYLE LEATHER GOODS CO. INC., New York. N. Y. Filed Nov. 27, 1939. Serial No. 425,980.

TRAVELERS EFFICIENCY

For Brief Case Made from Leather and Having a Plurality of Partitions Therein.

Claims use since 1927.

TRADE-MARK REGISTRATIONS RENEWED

123,762. **SCOLDING-LOCKS.** HAIR-PINS. Registered December 3, 1918. HOMER P. SMITH. Renewed December 3, 1938, to Scolding Locks Corporation, Appleton, Wis., a corporation of Wisconsin, successor.

125,714. **COCHECO.** FLAT OAK-TANNED LEATHER BELTING AND CUT LACE-LEATHER. Registered June 3, 1919. FRANK B. WILLIAMS. Renewed June 3, 1939, to I. B. Williams and Sons, Dover, N. H., a corporation of New Hampshire, assignee.

126,751. **STAG.** WOVEN COTTON PADDING AND TARPAULIN AND CANVAS COVERS FOR VEHICLES AND OTHER ARTICLES. Registered September 30, 1919. PITTSBURG WATERPROOF COMPANY. Renewed September 30, 1939, to Pittsburgh Waterproof Company, Pittsburgh, Pa., a corporation of Pennsylvania, successor.

127,747. **COLONEL.** COFFEE. Registered December 2, 1919. HOWARD & CASEY CO., Mount Vernon, Ill., a corporation of Illinois. Renewed December 2, 1939.

127,794. **REX.** FUNGICIDES AND HORTICULTURAL INSECTICIDES. Registered December 2, 1919. THE TOLEDO REX SPRAY CO. Renewed December 2, 1939, to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware, assignee.

127,802. **ZIEVE'S.** A FRUIT AND VEGETABLE COMPOUND FOR FLAVORING SOFT DRINKS. Registered December 2, 1919. RIMAL ZIEVE, Minneapolis, Minn. Renewed December 2, 1939.

128,002. **AUT-ORD-CO.** PISTOLS, RIFLES, CERTAIN NAMED GUNS, MAGAZINES FOR SAID GUNS, AND BAYONETS. Registered December 23, 1919. AUTO-ORDNANCE CORPORATION, New York, N. Y., a corporation of New York. Renewed December 23, 1939.

128,249 **MORRIS' SUPREME.** HAM, BOILED HAM, AND BACON. Registered December 30, 1919. MORRIS & COMPANY. Renewed December 30, 1939, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

129,813. **A CHEMIST, ETC.** COMPOUNDS FOR REMOVING DEPOSITS FROM AUTOMOBILE-RADIATORS AND CYLINDERS OF INTERNAL-COMBUSTION ENGINES, FIRE-EXTINGUISHERS, AND ANTI-FREEZING COMPOUND. Registered March 9, 1920. THE NORTHWESTERN CHEMICAL CO. Renewed March 9, 1940, to Atlas Chemical Company, Marietta, Ohio, a corporation of Ohio, assignee.

130,572. **SIL-U-ETT.** NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered April 27, 1920. SCHOENHOFEN COMPANY. Renewed April 27, 1940, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

130,573. **BELCOURT.** NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered April 27, 1920. SCHOENHOFEN COMPANY. Renewed April 27, 1940, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

130,603. **AA.** ABRASIVES—NAMELY, CORUNDUM IN BULK. Registered May 4, 1920. AMERICAN ABRASIVE COMPANY, Westfield, Mass., a corporation of Massachusetts. Renewed May 4, 1940.

130,706. **ULSTER KNIFE CO.** CERTAIN NAMED CUTLERY. Registered May 4, 1920. DWIGHT DIVINE & SONS. Renewed May 4, 1940, to Dwight Divine & Sons, Inc., Ellenville, N. Y., a corporation of New York, successor.

130,708. **UNI-FLO.** DRINKING-FOUNTAINS AND PARTS THEREOF FOR HUMAN USE—NAMELY, BUBBLER-HEADS, COOLERS, AND STANDARDS. Registered May 4, 1920. EASTERN FOUNTAIN CO., Boston, Mass., a corporation of Maine. Renewed May 4, 1940.

130,740. **GRISWOLD.** ALUMINUM AND IRON COOKING UTENSILS. Registered May 4, 1920. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Renewed May 4, 1940.

130,746. **HUBBELL.** CERTAIN NAMED ELECTRIC LIGHTING AND WIRING FIXTURES. Registered May 4, 1920. HARVEY HUBBELL, INCORPORATED, Bridgeport, Conn., a corporation of Connecticut. Renewed May 4, 1940.

130,780. **KONILLA.** FLAVORING EXTRACT FOR FOODS. Registered May 4, 1920. H. KOHNSTAMM & Co. Renewed May 4, 1940, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York, assignee.

130,951. **DENT-ZEL-ITE.** TOOTH-FILLING. Registered May 4, 1920. WILLIAM G. TURNER, Brooklyn, N. Y. Renewed May 4, 1940.

131,272. **WOLFF'S.** BREAKFAST CEREAL FOODS AND BUCKWHEAT-FLOUR. Registered May 4, 1920. WOLFF BROTHERS. Renewed May 4, 1940, to Wolff Bros. Milling Co., Paterson, N. J., a corporation of New Jersey, successor.

131,480. **HALOID.** PHOTOGRAPHIC AND DEVELOPING PAPERS. Registered May 18, 1920. THE HALOID COMPANY, Rochester, N. Y., a corporation of New York. Renewed May 18, 1940.

131,498. **JALCO.** ELECTRIC MILK AND CREAM TESTERS. Registered May 18, 1920. IMPERIAL ELECTRICAL CO., Union City, Ind., a corporation of Indiana. Renewed May 18, 1940.

131,522. **ATLAS.** STARCH FOR LAUNDRY PURPOSES AND IN TREATING TEXTILES. Registered May 18, 1920. H. KOHNSTAMM & Co. Renewed May 18, 1940, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York, assignee.

131,749. **FARREL.** CERTAIN NAMED MACHINERY FOR SUGAR AND OTHER MILLS AND OTHER NAMED MACHINES AND PARTS THEREOF. Registered May 25, 1920. FARREL FOUNDRY & MACHINE COMPANY. Renewed May 25, 1940, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut, assignee.

131,806. **BELL.** PITCH-PIPES FOR USE IN TUNING VIOLINS, BANJOS, AND GUITARS. Registered May 25, 1920. NATIONAL MUSICAL STRING COMPANY, New Brunswick, N. J., a corporation of New Jersey. Renewed May 25, 1940.

131,900. **A.** FELT POLISHING-WHEELS. Registered May 25, 1920. EASTERN FELT COMPANY, Winchester, Mass., a corporation of Massachusetts. Renewed May 25, 1940.

131,919. **SUNSHINE FARM.** CANNED RED PEPPERS, CANNED PIMENTO SAUCE, CANNED GREEN PEPPERS, CANNED PIMENTOS. Registered May 25, 1920. POMONA PRODUCTS CO., Pomona, Ga. Renewed May 25, 1940, to Pomona Products Company, Griffin, Ga., a corporation of Georgia.

131,928. **WESCO.** LUMBER. Registered May 25, 1920. WALNUT EXPORT SALES CO., INC., Dover, Del., and New York, N. Y. Renewed May 25, 1940, to Walnut Export Sales Co. Inc., Kansas City, Kans., a corporation of Delaware.

131,941. **HOROWITZ.** CAKES OR BISCUITS CALLED MATZOHS. Registered June 1, 1920. HOROWITZ BROS. & MARGARETEN, INC., New York, N. Y., a corporation of New York. Renewed June 1, 1940.

LABELS

REGISTERED JANUARY 9, 1940

54,127.—*Title:* PANAY. For Rum. CELESTIN, LTD., San Francisco, Calif. Published June 16, 1938.

54,128.—*Title:* TO OPEN ADMIT AIR BY PRYING UNDER EDGE WITH END OF SPOON HANDLE. For Crown Caps. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Published June 13, 1939.

54,129.—*Title:* IODOLATE DR. GOEDRICH'S IODOCHOLEATE. For an Iodine Compound. IODOCHOLEATE PRODUCTS CORPORATION, Newark, N. J. Published December 7, 1939.

54,130.—*Title:* HAPPY-GO-LUCKY HAIR DRESSING. For Hair Dressing. MORTON G. NEUMANN, doing business as Valmor Product Company, Chicago, Ill. Published December 1, 1933.

54,131.—*Title:* VELVA. For Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published December 1, 1939.

54,132.—*Title:* NEW STATE SPEED-E-FREEZE ICE CREAM STOCK DESIGN P. F. F. 257–2. For Ice Cream. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published December 1, 1939.

54,133.—*Title:* PENGUIN PACK ICE CREAM STOCK DESIGN P. F. F. 260–1. For Ice Cream. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published December 1, 1939.

54,134.—*Title.*—PERFECTION ICE CREAM STOCK DESIGN P. F. F. 256–2. For Ice Cream. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published December 1, 1939.

54,135.—*Title:* PERFECTION ICE CREAM STOCK DESIGN P. F. F. 259–2. For Ice Cream. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published December 1, 1939.

54,136.—*Title:* SCHLITZ—THE BEER THAT MADE MILWAUKEE FAMOUS. For Beer. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis. Published October 24, 1939.

54,137.—*Title:* THREE SISTERS. For California Sherry Wine. SOUTHERN LIQUOR DISTRIBUTORS, INC., Jacksonville, Fla. Published November 21, 1939.

54,138.—*Title:* STANTON. For Porter. THE STANTON BREWERY, INC., Troy, N. Y. Published November 28, 1939.

54,139.—*Title:* SALVATOR. For Beer. THE STANTON BREWERY, INC., Troy, N. Y. Published November 28, 1939.

PRINTS

REGISTERED JANUARY 9, 1940

17,797.—*Title:* WHY NOT GET 20° SWEETER INSIDE? For Candy. AWFUL FRESH MACFARLAND, Oakland, San Francisco, and Berkeley, Calif. Published December 8, 1939.

17,798.—*Title:* CONTEMPO VALET. For Men's Clothing. CONTEMPO MEN'S WEAR GUILD, INC., New York, N. Y. Published May 1, 1939.

17,799.—*Title:* SARUK DESIGN. For Carpeting. DOWNS CARPET CO., INC., Philadelphia, Pa. Published November 28, 1939.

REISSUES

JANUARY 9, 1940

21,314

HYDRATION OF OLEFINES

Alfred W. Francis, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original No. 2,055,720, dated September 29, 1936, Serial No. 693,151, October 11, 1933. Application for reissue December 29, 1937, Serial No. 182,366

10 Claims. (Cl. 260—614)

1. The process, for hydrating propylene, which consists in maintaining intimate contact of propylene with sulfuric acid of approximately 60% concentration by weight, at a temperature of approximately 100 degrees C. and under a pressure of not less than 300 lbs. gage, the molal ratio of propylene to water being not over 5 to 1.

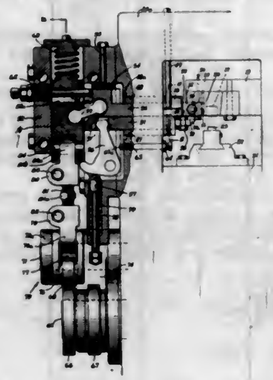
21,315

APPARATUS FOR FORMING METAL SLUGS

Albert H. Gaess, Waterbury, Conn.

Original No. 2,138,488, dated November 29, 1938, Serial No. 114,144, December 4, 1936. Application for reissue April 20, 1939, Serial No. 268,951

41 Claims. (Cl. 29—34)



1. A mechanism for cutting off slugs from metal stock and having means for girthwisely confining the stock and through which means the stock is adapted to be periodically fed to advance an end-length of the stock beyond the same, the combination of a cutter reciprocable transverse to said advanced end-length to sever the same to produce a slug; receptor means carried by the cutter transversely thereof for girthwisely confining said end-length substantially from end to end thereof during its severance; and reciprocating means for the cutter, said means functioning to halt the cutter, before each severance stroke thereof, to dispose said receptor means in position to receive said end-length when the stock is fed.

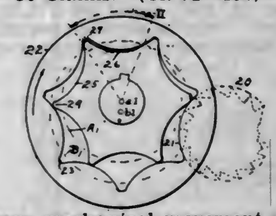
21,316

TOOTH CURVE FOR ROTORS AND GEARS

Myron F. Hill, Westport, Conn., assignor, by mesne assignments, to Francis A. Hill, 2nd, Essex Falls, N. Y., and said Myron F. Hill

Original No. 2,031,888, dated February 25, 1936, Serial No. 511,626, January 27, 1931, which is a division of Serial No. 301,880, August 24, 1928. Renewed October 5, 1932. Application for reissue February 24, 1938, Serial No. 192,398

30 Claims. (Cl. 74—462)



1. A rotary mechanical movement comprising two toothed rotor members having internal and external teeth respectively, one member within and eccentric to the other, forming chambers between them and having driving contours characterized by curves on one rotor described or outlined by the teeth of the other at relatively steady or uniform angular speeds, said driving contours maintaining continuous travelling contacts in the full mesh region between the opening and closing chambers, and travelling engagements in the open mesh region, said outer rotor driving contours being circular convex arcs with the centers of said arcs travelling outside of the ratio circle of the other rotor a distance sufficient for said contacts and engagements.

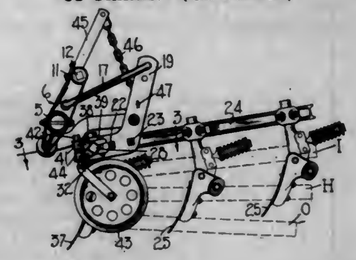
21,317

CULTIVATOR

Theodore W. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Original No. 1,946,403, dated February 6, 1934, Serial No. 617,710, June 17, 1932. Reissue No. 19,762, dated November 19, 1935, Serial No. 738,329, August 3, 1934. This application for reissue November 13, 1939, Serial No. 304,195

33 Claims. (Cl. 97—47)



1. An agricultural implement comprising a transversely extending draft bar, an arm fixed to said bar, a cultivator rig, means for raising and lowering said rig, and means separate from said

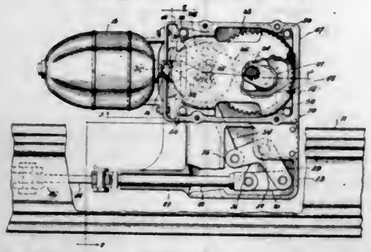
first named means and comprising a pair of non-parallel links, both having free pivotal connection with said arm and the rig for supporting said rig from said draft bar whereby the rear shovel of the rig will operate deeper than the front shovel thereof when in operating position and will be raised higher than said front shovel when the rig is raised to inoperative position.

21,318
DRIVE MECHANISM FOR SHAKER CONVEYERS

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,026,103, dated December 31, 1935, Serial No. 644,666, November 28, 1932. Renewed June 3, 1935. Reissue No. 20,589, dated December 14, 1937, Serial No. 172,296, November 1, 1937. This application for reissue June 2, 1939, Serial No. 277,119

19 Claims. (Cl. 198—220)



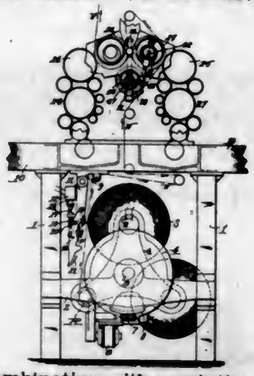
1. In a shaker conveyer operating mechanism, the combination with a reciprocably driven conveyer trough, two rocking members reciprocably movable about fixed pivotal axes, each of said rocking members being arranged to impart a positive conveying action forming a component part of the resultant conveying action of said conveyer operating mechanism, mechanism for reciprocably driving one of said rocking members, mechanism for connecting the other of said rocking members to said conveyer trough, and means for connecting said rocking members to rock together in such a manner that the conveying effect of one will be added to that of the other including a connecting member, the axes of pivotal movement of said rocking members being on opposite sides of the longitudinal axis of said connecting member and the motion of said connecting member from one end of the stroke to the other being a generally parallel motion, the angle between one of said rocking members and the longitudinal center line of said connecting member changing from a greater to a lesser angle during the forward stroke and the angle between the other of said rocking members and the longitudinal center line of said connecting member changing from a lesser to a greater angle during the same stroke, and vice versa during the reverse stroke.

21,319
PRINTING PRESS

Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original No. 2,096,869, dated October 26, 1937, Serial No. 755,855, December 4, 1934. Application for reissue August 31, 1939, Serial No. 292,966

18 Claims. (Cl. 101—247)



2. The combination with a printing couple and a splicing device, of means cooperating with the splicing device for releasing the impression between the cylinders of the couple.

15. The combination with a web treating machine and a splicing device, of means cooperating with the splicing device for releasing the squeeze on the web in the web treating machine.

PLANT PATENTS

GRANTED JANUARY 9, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

352
RED CHRYSANTHEMUM PLANT

Clarence C. Mayhew, Sherman, Tex., assignor to Texas Nursery Company, Sherman, Tex.

Application December 10, 1938, Serial No. 245,042

1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant, substantially as herein shown and described, characterized by the shape of its blooms and the red color of its flower.

PATENTS

GRANTED JANUARY 9, 1940

2,185,996
HIGH TENSILE ALLOY STEEL

William Herbert Hatfield, Sheffield, England, assignor to Thos. Firth & John Brown Limited, Sheffield, Yorkshire, England, a British company

No Drawing. Application December 10, 1937, Serial No. 179,123. In Great Britain February 5, 1937

2 Claims. (Cl. 75—128)

2. A high tensile alloy steel containing nickel above 3% and up to 7%, chromium 3–7%, molybdenum above 2% and up to 5%, carbon a trace up to a maximum of 0.12% and the remainder being substantially all iron except incidental impurities, the alloy being air cooled from about 900° C. and subsequently tempered for 1 hour and air cooled from the tempering temperature, and the alloy having the following mechanical properties for the tempering temperatures given:

Tempering temperature	200° C.	500° C.	600° C.
Yield point tons/sq. in. at least	71	80	53
Elongation percent at least	18	20	26
Reduction in area percent at least	53	56	62

2,185,997
MEANS FOR SUPPLYING TO INDIVIDUAL PERSONS AN OXYGENATED GAS MIXTURE

Jay A. Heidbrink, Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio

Application November 22, 1937, Serial No. 175,847

10 Claims. (Cl. 128—203)



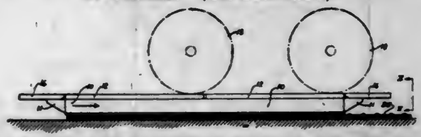
1. A device for delivering oxygen to an operator and other individuals, comprising a supply of oxygen, means including separate connections to the operator and to each of the other individuals for delivering to the operator and such individuals oxygen under pressure from said supply, means controlled by the operator to change the delivery pressure and thus to change the rate of delivery of said oxygen, and means in each of said separate connections including a proportioning orifice of predetermined small size for effecting the same rate of delivery to both the operator and the other individuals at any constant pressure.

2,185,998
MACHINE CONSTRUCTION

Samuel A. Huffman, Ben Avon, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania

Application October 19, 1937, Serial No. 169,850

10 Claims. (Cl. 101—250)



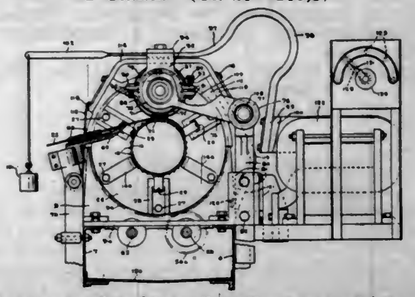
1. A printing press type-bed comprising a body portion formed of metal weighing less than steel and roller tracks formed of wear-resisting metal, each of said tracks being constituted by a plurality of sections secured to the body portion and disposed end to end, the adjacent ends of the sections being in proximity and disposed otherwise than at right angles to the length of the track.

2,185,999
PROCESS OF MAKING SCREENS FOR USE IN CONNECTION WITH OIL WELLS

Edward E. Johnson, St. Paul, Minn., assignor to Edward E. Johnson Incorporated, St. Paul, Minn.

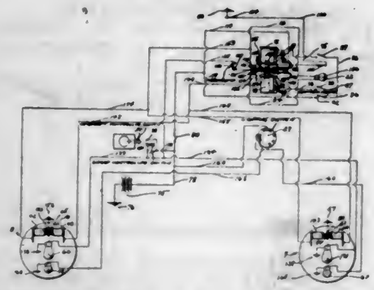
Original application April 2, 1935, Serial No. 14,233, now Patent No. 2,046,459, dated July 7, 1936. Divided and this application December 28, 1935, Serial No. 56,493

1 Claim. (Cl. 29—163,5)



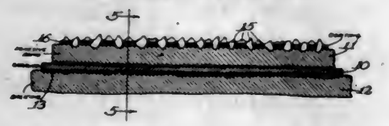
A process of making oil-well screens which consists in forming the outside of a metallic tube to make it a substantially true cylindrical surface, removing the metal of said tube longitudinally so as to form thereon a multiplicity of longitudinally extended valleys and intervening integral ribs having their outer edges lying in said cylindrical surface, forming rows of holes through the bottoms of said valleys into the interior of the tube, winding helically upon the outer edges of said ribs a wire having a reduced portion coming to substantially an edge with said edge contacting the ribs, welding the wire and ribs together at each crossing point thereof as said wire is wound, and causing said reduced portion of said wire to contact the reduced portion of the ribs at each crossing point thereof and to be sunk together during the welding action the same predetermined distances.

2,186,000
SIGNALING SYSTEM FOR AUTOMOTIVE VEHICLES
Samuel F. Arbuckle, Guy H. Coulter, and Charles E. Godley, Highland Park, Mich., assignors to United Lens Corporation, Detroit, Mich., a corporation of Delaware
Application February 15, 1935, Serial No. 6,716
9 Claims. (Cl. 177—337)



1. In combination, a directional signaling device including movable means operable by the energization of electro-magnetic means to produce direction signals; a circuit for energizing said electro-magnetic means from a source of current; an electrically energizable tell-tale device connected in said circuit; means to control the flow of current from the source to said electro-magnetic means and said tell-tale device; means operable by the flow of current after the same has been established through said electro-magnetic means to discontinue by the operation of said movable means the energization of said tell-tale device.

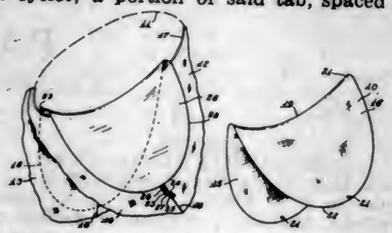
2,186,001
FLEXIBLE ABRASIVE SHEET MATERIAL
Howard G. Bartling, Chicago, Ill., assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, a corporation of Minnesota
Application January 20, 1930, Serial No. 422,066
Renewed April 22, 1936
16 Claims. (Cl. 57—185)



1. As an article of manufacture, an abrasive sheet material consisting of a flexible backing, an adhesive bonding material, abrasive grit grains embedded in said adhesive bonding material, said flexible backing material being non-metallic, and a layer of material between said backing and said bonding material, said layer being hygroscopic and immiscible with the adhesive bonding material.

2,186,002
DRESS SHIELD
Sadie Bendersky, South Orange, N. J.
Application October 17, 1936, Serial No. 106,154
3 Claims. (Cl. 2—53)

1. A dress shield comprising a fabric and a detachable flexible tab; an eyelet in proximity to the periphery of said fabric; and a plurality of co-acting detachable-engaging means secured to said tab and in interlocking engagement with said eyelet; a portion of said tab, spaced from

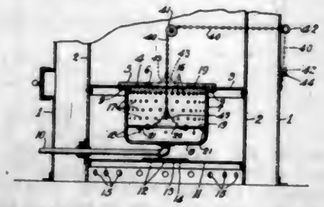


said detachable-engaging means, being adapted to be sewed to a dress.

2,186,003
COLOR STABILIZATION OF GREEN VEGETABLES
James S. Blair, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 3, 1937, Serial No. 128,858
6 Claims. (Cl. 99—186)

1. The method of stabilizing the natural green color of vegetables during canning and storage which comprises, blanching the vegetable product in water which has been made mildly alkaline by the addition of sodium bicarbonate at about 180° F. to 190° F., cooling the blanched vegetables in water which has been made mildly alkaline by the addition of lesser amounts of sodium bicarbonate than that used in blanching, soaking the blanched and cooled vegetables in a water bath containing sodium chloride at room temperature for approximately three hours to render the product more susceptible to the establishment of an alkaline reserve, adding to water a mixture of magnesium and calcium hydroxides to provide a brine, incorporating the treated brine with the blanched product, hermetically sealing the same, and processing the sealed product by heat.

2,186,004
BURNER FOR LIQUID FUEL
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Original application February 8, 1937, Serial No. 124,695. Divided and this application March 14, 1938, Serial No. 195,728
2 Claims. (Cl. 158—91)



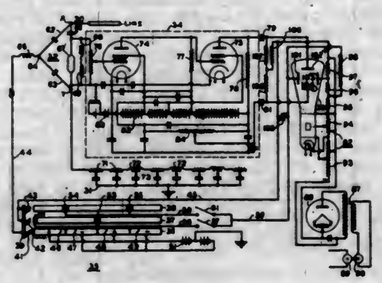
1. A mechanism for burning liquid fuel, which includes a perforated walled chamber having a wall with air admission apertures therein, means for admitting a liquid fuel to the chamber, said chamber having an open top, a baffle normally located adjacent the bottom of the chamber but above the lowest said apertures, said baffle having an aperture therein, the size of the aperture in relation to the form and cubic content of the chamber, and the height of the baffle from the chamber bottom, being adapted to maintain combustion within the portion of the chamber below said baffle when combustion has been initiated, but being insufficient to permit combustion to be initiated, means for bodily raising said baffle to a sufficient height to permit the initiation of combustion, whereby, when the baffle is so raised, additional air inlet apertures are put in communication with the portion of the chamber below said baffle, and for holding said baffle fixed in adjusted position.

2,186,005
TOOTH BRUSH
Glenn L. Casto, Spencer, W. Va.
Application April 25, 1939, Serial No. 270,005
5 Claims. (Cl. 15—167)



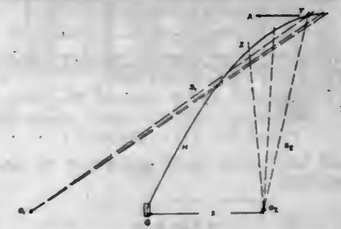
1. An improved tooth brush comprising a brush head having a working point, said working point comprising successive tufts of bristles disposed in units of tubular formation, the free ends of the tubular units being formed in substantially inverted arches, said free ends of said units also being beveled from the low portions of the inverted arches up toward, but short of, the high portions of the arches.

2,186,006
BALANCING DUPLEX CIRCUIT
William D. Buckingham, Southampton, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 27, 1935, Serial No. 42,500
34 Claims. (Cl. 178—58)



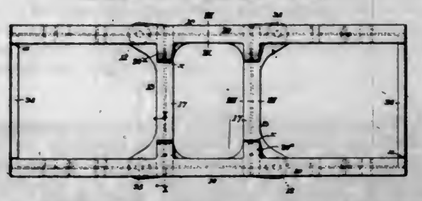
1. The method of balancing a circuit and an artificial line which consists in impressing cyclic current impulses on said circuit and artificial line, forming a time-current graph or pattern of at least a portion of the unbalance current during each impulse and making successive balancing adjustments in the artificial line concurrently with observations of the resultant changes in the graph or pattern to reduce the magnitude of the unbalance between the circuit and the artificial line.

2,186,007
MEANS FOR CONTROLLING GUNFIRE
Frederick R. Chamberlain, Jr., Fortress Monroe, Va.
Application February 7, 1939, Serial No. 255,072
7 Claims. (Cl. 33—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fire control system for pointing an ordnance piece at a moving target through a field of fire of 360 degrees azimuth and including a station for said ordnance piece and an adjacent control station, means for simultaneously observing the deviation of the trajectory relative to the target at two generally oppositely disposed flank stations and a forward and rear station, means for simultaneously transmitting the observed deviations to said control station and means at the latter station for selecting and transmitting deviations from a predetermined pair of flank and forward or rear observing means to a control element of said ordnance piece and for moving said element relatively to said ordnance piece.

2,186,008
CAR TRUCK
Everett Chapman, Coatesville, Pa.
Application August 23, 1934, Serial No. 741,164
Renewed April 3, 1939
23 Claims. (Cl. 105—206)

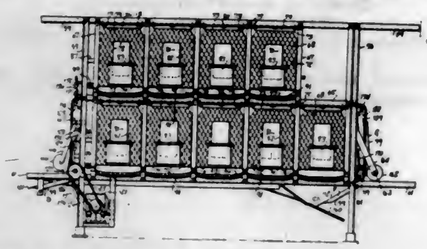


1. A car truck frame including side members and a plurality of transverse members constituting transoms, each of said members being made up of horizontally and vertically disposed plate sections welded together and having substantially an I-beam cross-section, the lower chords of said side members being continuous with the upper chords of said transoms.

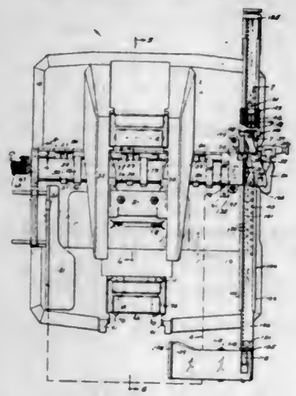
2,186,009
POULTRY CAGE
Rolland R. Clark, West Haven, and Burton W. Phelps, North Haven, Conn.
Application June 21, 1938, Serial No. 214,876
7 Claims. (Cl. 119—17)

1. A poultry cage comprising a frame, horizontal rails supported thereby, a series of pans, sprocket-chains with which said pans are connected, an electric motor for moving said chains, a switch controlling said motor, said switch including a vertically movable switch-bar, a spring tending to raise said bar, means for holding

said bar in a depressed position, and a lug carried by one of said chains and adapted to release said bar upon the completion of one cycle of movement.



2,186,010
LISTING MECHANISM FOR ADDRESSING MACHINES
Franklin E. Curtis, Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 13, 1938, Serial No. 207,768
28 Claims. (Cl. 101—57)



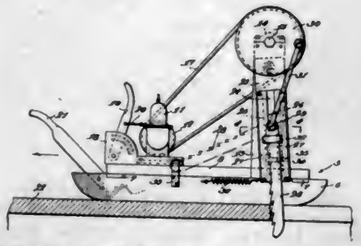
1. The combination with means for impressing a sheet, a clamp for holding a sheet to be impressed, said clamp being carried by a bar slidably mounted in a guide carried by the frame which carries the impressing mechanism, a removable strip slidably mounted in a guide parallel with the bar-guide and adapted to be attached to the bar, said strip having periodically arranged shoulders, and feeding mechanism adapted to engage such shoulders.

2,186,011
SHOCK ABSORBER
Théophile de Port, New Carlisle, Ohio
Application September 29, 1938, Serial No. 232,361
35 Claims. (Cl. 267—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a shock absorber, a pair of relatively movable elements, one of said elements having an orifice through which fluid is transferred to dissipate energy and having pressure differential means carried thereby and movable relative thereto to control the transfer of fluid through said orifice as a function of the rate of application of pressure between said elements and hydraulic resistance means cooperating with said pressure differential means to delay the opening of said orifice for the time required to develop a predetermined load in accordance with a predetermined time-deflection curve characteristic.



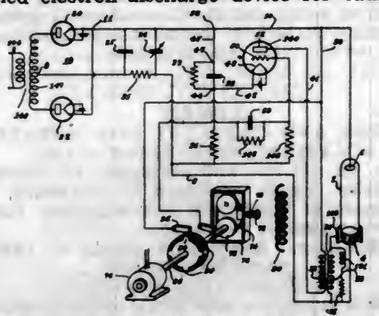
2,186,012
ICE SAWING MACHINE
John Duray, Minto, N. Dak.
Application October 17, 1938, Serial No. 235,495
3 Claims. (Cl. 262—31)



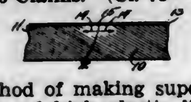
1. A device of the character described, comprising, a sled equipped with a pair of uprights, a shaft mounted on said uprights, a cross head frame pivotally mounted on one of said uprights, a cross head slidably mounted in said frame, a saw blade pivoted to said cross head for reciprocation therewith and extending an appreciable distance below said sled for engagement with a body of ice to effect cutting of the latter upon reciprocation of said blade and forward movement of said sled, a guide member carried by said head and receiving said blade for maintaining the latter in ice cutting position during reciprocation of the blade in said ice cutting position, means connecting said shaft to said cross head for reciprocating the latter, and an engine mounted on said sled and connected to said shaft for rotating the latter.

2,186,013
MOTION-PICTURE APPARATUS
Harold Eugene Edgerton, Watertown, Mass.
Application March 10, 1934, Serial No. 714,978
Renewed April 4, 1939
39 Claims. (Cl. 88—18)

1. Motion-picture apparatus comprising a luminescent-discharge device, a circuit including means for storing electric energy and said luminescent-discharge device, and means for subjecting successive portions of a film to flashes of light from the luminescent-discharge device, said means having means including a grid-controlled electron-discharge device for causing a surge of current to flow in said circuit at successive intervals.

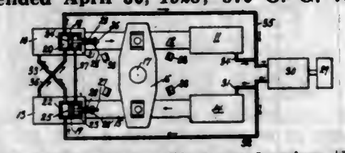


2,186,014
METHOD OF DETECTING FLAWS IN RIGID MATERIAL
Greer Ellis, Cambridge, Mass., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Pennsylvania
Application November 7, 1938, Serial No. 239,337
16 Claims. (Cl. 73—51)



1. The method of making superficial flaws in a rigid article of high elastic limit capable of easy detection which comprises coating said article with a continuous adherent film having a rupture limit substantially lower than the elastic limit of said article and applying to said article a load of such magnitude and direction that the resulting stresses will exceed the rupture limit of said film only above said flaws while remaining below the elastic limit of said rigid article.

2,186,015
BY-PASS VALVE MECHANISM
Ralph Erling, Cranford, N. J.
Application April 3, 1936, Serial No. 72,658
6 Claims. (Cl. 60—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a mechanism that includes at least one pair of aligned cylinders, a ram operable in the two cylinders of a pair, means to supply fluid under pressure to one cylinder of a pair and simultaneously withdraw fluid from the other cylinder of the pair, a crosshead operatively connected to said ram, and a driven member connected to said crosshead; of a two-chambered valve housing mounted on each of two cylinders, said cylinders being operatively connected through said housings so that one cylinder receives fluid under pressure simultaneously with the withdrawal of fluid from the other of said two cylinders, there being a passage between the chambers in each housing; a valve seated in each of said passages and having a stem extending toward said cross head to be contactible thereby at the end of a stroke of said ram; means connecting to the cylinder upon which the other valve housing is mounted that chamber in each casing into which the valve moves when unseated; means connecting each of the last mentioned chambers to said fluid supply means; and means connecting together the other two of said chambers, whereby when a valve is unseated the pressures in said cylinders are equalized.

2,186,016
EXERCISING BALL AND SUPPORT THEREFOR
John R. Evans, West Pittston, Pa.
Application June 9, 1938, Serial No. 212,695
5 Claims. (Cl. 272—57)



5. A device of the character described, comprising a hand-bar to be held horizontally between the hands above the head of the user, a cord, one end of the cord being secured to the hand-bar, the other end of the cord extending downwardly to a point below the knees and above the feet of the user and secured to a ball, the ball being freely suspended in a position to be kicked by the user's feet.

2,186,017
CLEANING COMPOSITION
Charles J. Geng, Nutley, N. J., assignor to Wilson-Imperial Company, Newark, N. J., a corporation of Delaware
No Drawing. Application September 20, 1938, Serial No. 230,779
9 Claims. (Cl. 148—8)

1. A cleaning composition for stainless steel and rustless iron surfaces containing phosphoric acid and an extractive detergent selected from the group consisting of orthodichlorbenzol and methyl iso butyl ketone.

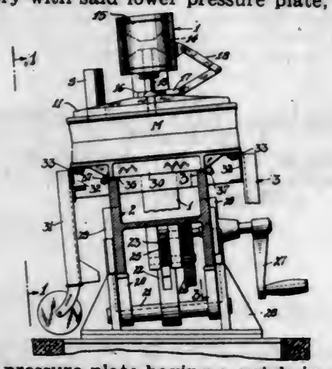
2,186,018
METHOD OF PREVENTING RUSTING OF FERROUS METAL SURFACES
William K. Griesinger, Lansdowne, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 20, 1937, Serial No. 175,572
1 Claim. (Cl. 91—68)

A method of inhibiting rusting of a ferrous metal surface which normally is subjected to oxidation and rusting conditions which comprises applying to said metal surface a substantially non-sticky and non-gummy film of viscous hydrocarbon oil substantially free from constituents tending to stain, corrode, or react with the ferrous metal surface, containing of the order of 10% of a relatively non-volatile synthetic ester from the group consisting of alkyl stearates and naphthenates.

2,186,019
CASTING MECHANISM
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, a corporation of Illinois
Application May 14, 1938, Serial No. 207,932
10 Claims. (Cl. 22—90)

1. Casting mechanism, comprising pressure

plate supporting means, a lower pressure plate carried thereby, a fixed frame above the level of said lower pressure plate, an upper pressure plate supported from said frame and adapted for registry with said lower pressure plate, and said



upper pressure plate having a notch in one edge thereof for engagement with the mold sprue by relative movement of such plate transversely of the sprue, and pressure creating means operable to force said upper and lower pressure plates toward each other.

2,186,020

PISTON PACKING

Chalmers G. Hall, Washington, D. C.

Application January 7, 1938, Serial No. 183,849

5 Claims. (Cl. 309—32)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A piston and piston ring assembly for a fluid pressure cylinder comprising a piston having a ring groove, a piston ring having a substantially snug fit in the ring groove without binding or sticking at any point, one side face of the said groove and the corresponding side face of the ring being inclined toward the periphery of the piston, and pressure passageways between the opposite side face of the ring and the corresponding side face of the groove and opening inwardly and radially of the piston at circumferentially spaced points to expose full width areas of the said opposite side face of the ring to the direct and full application of the fluid pressure in the cylinder so that said pressure acts against the said exposed areas of the ring at the same instant at which it attempts to force itself between the ring and the wall of the cylinder and with such magnitude as to provide in conjunction with the inclined faces of the ring and groove a component of force effective to hold the ring in sealing relation with the wall of the cylinder.

2,186,021

PROCESS FOR TREATING HYDROCARBONS

Melvin M. Holm and William H. Shiffler, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 9, 1936, Serial No. 67,917

18 Claims. (Cl. 196—10)

1. A process of polymerizing olefine hydrocarbons which comprises contacting olefine containing material with a catalyst comprising a thin film of an active polymerizing agent distributed over and adsorbed on the surface of particles of a non-porous inert solid material.

2,186,022

PROCESS AND CATALYST FOR TREATING POLYMERIZABLE SUBSTANCES

Melvin M. Holm and William H. Shiffler, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 9, 1938, Serial No. 194,859

7 Claims. (Cl. 196—10)

1. In a method of effecting a desired catalytic reaction of hydrocarbon compounds, with substantially no polymerization of a polymerizable hydrocarbon involved in said desired catalytic reaction with regard to which polymerization is undesired and which is otherwise polymerizable under the conditions of said desired catalytic reaction by the catalytic agent therefor, the step of effecting said desired catalytic reaction with substantially no polymerization of said polymerizable hydrocarbon by means of a catalyst for said desired catalytic reaction in a form adapted to control of polymerization of said polymerizable hydrocarbon comprising a non-porous inert support having adsorbed thereon a thin film of said catalytic agent active to effect said desired catalytic reaction.

2,186,023

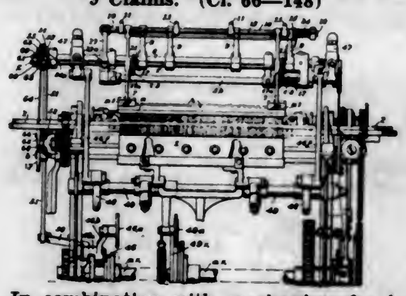
KNITTING MACHINE

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania

Application December 29, 1936, Serial No. 118,158

Renewed April 11, 1939

9 Claims. (Cl. 66—148)



1. In combination with mechanism for knitting tops or welts including a row of needles, a transfer bar having points to take off from said needles the top or welt fabric, a main frame having up and down movement, a supplemental frame carrying the transfer bar and movably mounted on the frame first mentioned to have movement relative thereto and to the needles, means for operating the said main frame and means for operating the supplemental frame relative to the main frame to cause the transfer points to remove the top or welt fabric from the needles, said transfer bar being removable from the supplemental frame, together with the top or welt, hanging thereon, said transfer bar being adapted to transfer the said loops to the needles of a flat hosiery machine, the said relative movement of the supplemental frame being downward and upward and substantially horizontally forward and backward in respect to the needles.

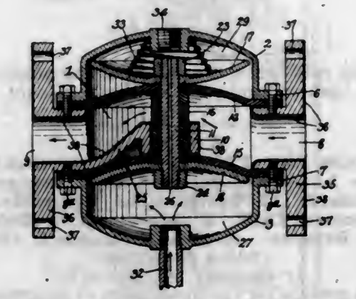
2,186,024

VALVE

George A. Iler, Melrose Park, Ill., assignor to The McAlear Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 1, 1937, Serial No. 145,675

11 Claims. (Cl. 137—153)



1. A valve comprising a cylindrical casing, two flexible diaphragms extending across said casing, dividing it into three chambers, a central chamber and two end chambers, all of said chambers being of substantially the same diameter, the end chambers being closed against communication with the outside atmosphere, the casing having an inlet and an outlet communicating with the central chamber between the diaphragms, so that the material passing through the valve exerts pressure in opposite directions on the diaphragms, a seating member in the central chamber for one of said diaphragms, having a curved upper face with which the diaphragm makes contact, and means for moving said diaphragms so as to move one of them into contact with the curved face of the seating member to close the valve.

2,186,025

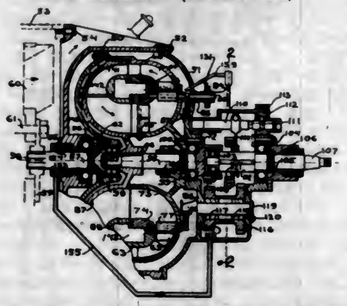
POWER TRANSMISSION

Joseph Jandasek, Cicero, Ill.

Application August 14, 1930, Serial No. 475,278

Renewed January 25, 1937

34 Claims. (Cl. 60—54)



1. A turbine torque converter comprising a passage for fluid including rotary driving vanes, rotary driven vanes, and guide vanes located between the exit from said driven vanes and the entrance to said driving vanes, a ring movable relative thereto, connecting means between said guide vanes and said ring, and means for operating said ring for adjusting the angular position of said guide vanes, and means adapted to cause said ring operating means to function at will, as well as automatically, under the control of fluid, as well as to cease the function of said ring operating means.

2,186,026

AIRCRAFT ARMAMENT

Bryan P. Joyce, East Orange, N. J., assignor to American Armament Corporation, New York, N. Y., a corporation of New York

Application November 21, 1934, Serial No. 754,150

5 Claims. (Cl. 89—37.5)



1. Aircraft armament comprising a gunner's basket, a vertically swingable gun mounted thereon, said gun being of a type to rearwardly eject empty shell cases, a receiver for the empty shell cases fixedly mounted in said basket under the rear portion of the gun and supported by said basket independently of said gun, a deflector pivoted to the gun in the rearward path of the ejected shell cases to direct the latter into said receiver, and means for automatically adjusting said deflector to maintain it in operative relation with said gun and receiver as said gun is swung about its transverse axis.

2,186,027

MECHANICAL PENCIL

David Kahn, North Bergen, N. J., assignor to David Kahn, Inc., North Bergen Township, N. J., a corporation of New Jersey

Application August 20, 1935, Serial No. 37,089

15 Claims. (Cl. 120—18)



1. In a mechanical pencil, a barrel including a shell having an abruptly reduced extension at its lower end, a runner tube having a longitudinal slot and provided with oppositely disposed recesses at the edges of the slot adjacent the lower end of the tube, said lower end of the tube being fitted in said extension, and an inwardly projecting boss on said extension engaging in said recesses and holding the runner tube immovably to the shell.

14. In a mechanical pencil, a barrel having a

tip at its lower end provided with an axial opening extending therethrough, said opening having an enlarged cylindrical upper end of less diameter than the lower internal diameter of the barrel so as to form an annular shoulder within the barrel, an inner shell member fitting in said barrel and provided at its lower end with an abruptly reduced extension member fitting in the enlarged upper end of said opening, a shoulder being formed on said shell member and resting on the first mentioned shoulder and means to connect the two members.

2,186,028
REFRIGERATION PROCESS
Frederick L. Koethen, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 26, 1937, Serial No. 176,634. Renewed April 18, 1939

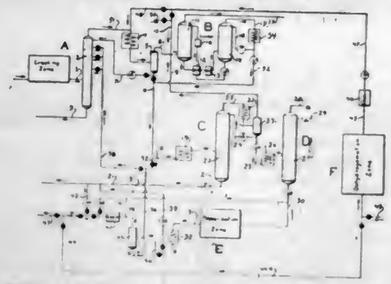
3 Claims. (Cl. 62—178)

1. In a method of refrigeration wherein objectionable copper plating in the refrigeration system is inhibited which comprises condensing methyl chloride refrigerant and then evaporating said methyl chloride, the step which comprises compressing said methyl chloride in the presence of a mineral oil containing triphenyl guanidine.

2,186,029
RECOVERY OF GASOLINE
Raymond C. Lassiat, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application February 27, 1937, Serial No. 128,112

6 Claims. (Cl. 196—10)



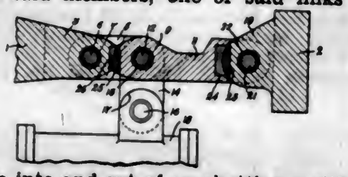
1. Process of recovering a maximum quantity of commercial gasoline from a composite hydrocarbon stream which comprises subjecting said stream to a series of fractionating operations to segregate therefrom a low vapor pressure gasoline and a cut composed substantially of hydrocarbons of the four carbon group, subjecting said cut under polymerizing conditions to a polymerizing operation to convert at least a part of the unsaturates therein into liquid hydrocarbons utilizing the liquid polymers from said polymerizing operation as reflux in one of said fractionating operations so as to augment the quantity of said low vapor pressure gasoline, and adding to said gasoline sufficient gaseous material from said polymerizing operation to raise the vapor pressure thereof.

2,186,030
TOGGLE LINK
Nathan Lester, Cleveland Heights, Ohio, assignor to The Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application April 30, 1937, Serial No. 140,069

9 Claims. (Cl. 74—520)

1. In a toggle link mechanism, the combination of two spaced relatively movable members, and links pivotally connected to each other and joining said members, one of said links being



movable into and out of an abutting position between, and in contact with, both of said members.

2,186,031
PROCESS FOR TREATING HYDROCARBONS
Arthur L. Lyman, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 9, 1936, Serial No. 67,918

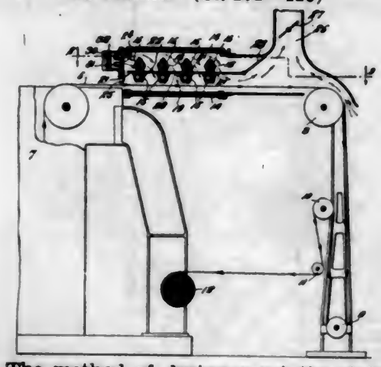
12 Claims. (Cl. 196—10)

1. A process for the production of gasoline boiling liquid hydrocarbons from a mixture consisting substantially of hydrocarbons having less than five carbon atoms per molecule and containing normally gaseous olefine hydrocarbons which comprises contacting said mixture containing said normally gaseous olefine hydrocarbons with a dilute acid solution for the removal of potential catalyst poisoning impurities and subsequently polymerizing said normally gaseous olefine hydrocarbons producing gasoline boiling liquid hydrocarbons in contact with an acidic polymerization catalyst effective to polymerize normally gaseous olefine hydrocarbons to gasoline boiling liquid hydrocarbons.

2,186,032
METHOD AND APPARATUS FOR SETTING PRINTING INK
Carl P. Mann, Riverton, N. J., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application December 30, 1937, Serial No. 182,435

22 Claims. (Cl. 101—416)



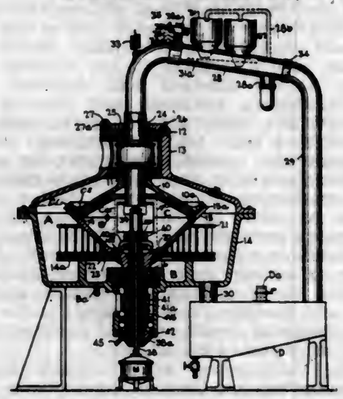
1. The method of drying a printing ink containing a volatilizable inflammable solvent after the ink has been printed upon material, which comprises moving the material past a heater provided with a gas burner directed toward the printed surface of the material, burning a substantially completely combustible mixture of gas and air in said heater, volatilizing the solvent of the ink, projecting a current of air over said heater and then into admixture with the solvent vapor to cool the heater and provide air for combustion of the solvent vapor, and burning said solvent vapor.

2,186,033
METHOD AND APPARATUS FOR TREATING FLUIDS AND SOLIDS
John L. Milton, Louisville, Ky.

Application February 25, 1932, Serial No. 595,124

Renewed May 4, 1936

23 Claims. (Cl. 259—50)



1. A process of continuously mixing dry particles with liquid having lower specific gravity comprising, continuously advancing liquid into a vessel, continuously rotating the vessel at a velocity sufficient to establish and maintain a hollow body of the liquid within the vessel, continuously delivering dry particles into the inner surface of the hollow body, and continuously discharging the particles mixed with the liquid from the vessel.

2,186,034
PULP BLEACHING AND REFINING PROCESS
Harold R. Murdock, Canton, N. C., assignor to The Champion Paper and Fibre Company, Canton, N. C., a corporation of Ohio

No Drawing. Application August 24, 1937, Serial No. 160,720

4 Claims. (Cl. 92—16)

1. Process of preparing a bleached paper stuff, which comprises chlorinating the chlorinatable lignin compounds content of a chemically produced raw pulp by treatment of the latter with chlorine as such; solubilizing the chlorinated lignin compounds content by treating the pulp with mild caustic alkali solution and washing the so-solubilized compounds from the pulp; beating and partially hydrating the pulp to a degree just short of that required for hydrating the pulp to a degree approximating that required for papermaking; subjecting the substantially refined and hydrated pulp to an oxidizing bleach with an hypochlorite under conditions to bleach the pulp; and mechanically hydrating the bleached pulp, to the degree of hydration appropriate for papermaking, under mild hydration conditions.

2,186,035
METHOD OF AND APPARATUS FOR FLOWING WELLS
William E. Niles, Kansas City, Mo.

Application June 30, 1938, Serial No. 216,728

8 Claims. (Cl. 166—21)

1. An apparatus for flowing wells drilled into a producing formation including a tubing in the well extending into said formation, a packer in the well for retaining pressure in said formation, a heater carried by the tubing in the upper portion of the formation for heating a certain portion of the formation to generate pressure on the petroleum contained in the lower portion of the formation and to effect flow of said petroleum through the formation and through the tubing to the top of the well, means insulating the heater

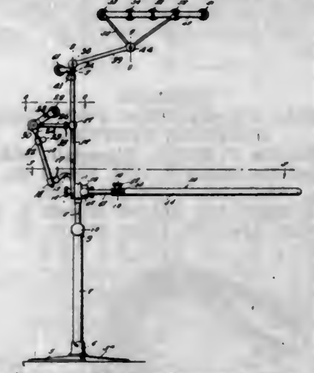


from the flow moving through said tubing, check means in the tubing for trapping the flow at selected points in the tubing upon drop of pressure in said formation, and a master valve at the upper end of the tubing for controlling said flow to retain the generated pressure.

2,186,036
TRACTION APPARATUS
Homer D. Peachey, Lewistown, Pa.

Application May 22, 1937, Serial No. 144,236

2 Claims. (Cl. 128—84)

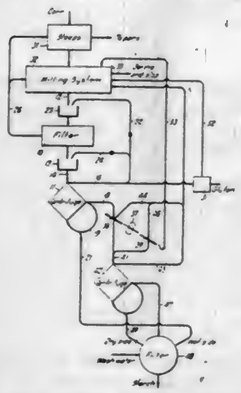


1. Traction apparatus for use with a weighted cable comprising a base, a column arising from the base, a pulley rack including a plurality of peripherally spaced pulleys for training of the cable thereover selectively and adapted for location above and to one side of the column in angular position relative to the latter, means to mount said rack on said column including a frame upstanding from the column and pivotally mounted at the lower end thereof for inclining into different set positions, a V-shaped mounting supporting said rack, a pair of laterally spaced bracket arms pivoted at opposite ends thereof to the upper end of said frame and to said mounting, respectively, and a plurality of pulleys mounted on said frame for training thereover of the cable from the pulley rack selectively.

2,186,037
PROCESS APPLICABLE TO STARCH MANUFACTURE

Albert Peltzer and Albert Peltzer, Jr., Palo Alto, Calif., assignors to Merco Centrifugal Separator Co. Ltd., San Francisco, Calif., a corporation of California

Application February 20, 1935, Serial No. 7,378
6 Claims. (Cl. 127—68)

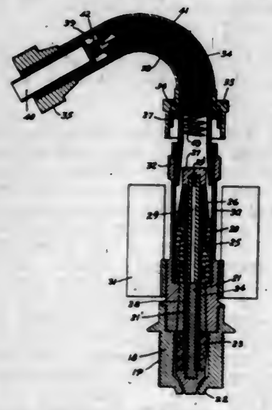


3. In a wet starch manufacturing process, where corn or like starch-bearing material is subjected to steeping and milling operations to produce a mill starch containing starch and gluten, the improvement consisting in subjecting the mill starch to a dewatering operation, subjecting the dewatered material to centrifugal separation whereby gluten is removed in an overflow and starch in an underflow, continually blending the mill starch with a part of the gluten overflow, and continually mixing another part of the gluten overflow with the dewatered material for supplying the last-mentioned centrifugal separating operation.

2,186,038
THERMAL PROTECTION FOR SHIELDED IGNITION SYSTEMS

Melville F. Peters, Riverdale, Md.

Application December 7, 1934, Serial No. 756,431
62 Claims. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a spark plug, comprising a shell, a substantially tubular member engaged with the outer end of said shell, a center electrode mounted in said member to extend through said shell to the inner end thereof, said electrode having an external copper sleeve thereon extending from adjacent the inner end of the electrode to a point outwardly of said shell and an axial bore extending from adjacent the outer end of said sleeve to the outer end of the electrode, said sleeve being externally plated with chromium, and a member of low thermal conductivity having internal and external electrically conducting portions, said internal conducting portion being connectible to said electrode and to a cable and said external portion being connectible to said tubular member and to an electrical shielding harness on said cable.

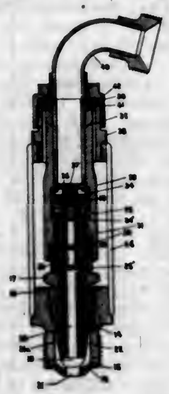
20. A spark plug, comprising a shell, a center electrode mounted therein, a sheath of mica around said electrode, said sheath having an internal shoulder adjacent the outer end of said electrode, a sealing body of impacted metal between said electrode and said sheath abutting against said shoulder, and a metal ferrule constricted upon said sheath and said electrode adjacent the outer end of the latter.

40. The combination with a spark plug, of members having low thermal conductivity associated therewith to prevent radiation of electrical disturbances therefrom, and heat radiating fins carried by one of said members.

2,186,039
RADIO SHIELDED SPARK PLUG

Melville F. Peters and Allen V. Astin, Washington, D. C.

Application August 21, 1935, Serial No. 37,176
27 Claims. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a spark plug including a shell and a center electrode having in it an axial bore extending from its outer end to a point adjacent its inner end and a filling of material of high thermal conductivity in said bore extending from the inner end of said bore over a distance between one-fourth and one-half of the length of said bore, insulating material around said inner electrode extending inwardly from the outer end of said electrode over a substantial portion of its length, an outwardly facing cup embedded in said insulating material, a metal cage mounted on said shell and surrounding the outer portion of said plug, said cage including longitudinally extending bars separated from each other by spaces substantially equal in width to the width of the bars, the said bars being made of material of high thermal conductivity for substantially one-half their length and of material of low thermal conductivity for the remainder of the length thereof, and means for electrically connecting the shielding harness of an ignition cable to said cage and a cable to said inner electrode, said means having a portion seated in said cup.

2,186,040
COMPOSITION OF MATTER AND PROCESS OF PREPARING THE SAME

Joseph E. Plumstead, Elkton, Md., assignor, by mesne assignments, to Raffold Process Corporation, Andover, Mass., a corporation of Massachusetts

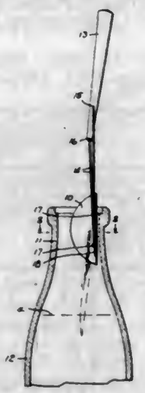
No Drawing. Original application July 11, 1933, Serial No. 679,993. Divided and this application September 29, 1934, Serial No. 746,266. Renewed December 27, 1938
12 Claims. (Cl. 134—58)

2. A process of preparing a pigment product, comprising treating alkaline earth metal carbonate particles in the presence of water with a reactive, inorganic, substantially water-soluble compound having a sulphite radical to partially dissolve the alkaline earth metal carbonate particles to form substantially water-insoluble, substantially opaque alkaline earth metal carbonate pigment particles having corroded surfaces, and subsequently precipitating on the surface of the corroded particles alkaline earth metal sulphite.

2,186,041
LIQUID SEPARATING DEVICE FOR CONTAINERS

Victor C. Posey, Santa Barbara, Calif.

Application September 26, 1938, Serial No. 231,715
3 Claims. (Cl. 210—51.5)

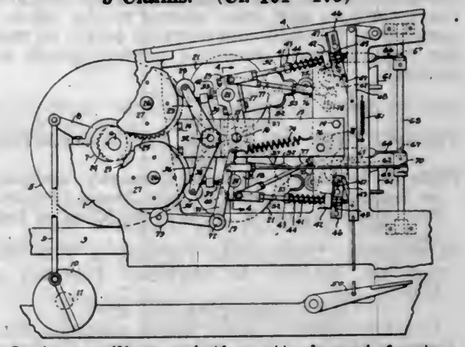


1. A separator of the class described comprising a flexible disk body insertable in a flexed condition edgewise through the neck of a container; a handle; and links pivotally connected at their ends to the handle and to said body respectively for insertion of the latter into the container as aforestated, the lengths of the links being such that manipulation of the body within the container by a fulcruming movement of the handle on the container at one side of the links, can be effected, to draw the body into a partition forming position at a location spaced from the outlet of the neck.

2,186,042
AUXILIARY PRINTING ATTACHMENT FOR PRINTING PRESSES

Harvey H. Predmore, Portland, Oreg., assignor to Albert Edward Pearsall, Vancouver, British Columbia, Canada

Application March 15, 1939, Serial No. 261,999
5 Claims. (Cl. 101—173)

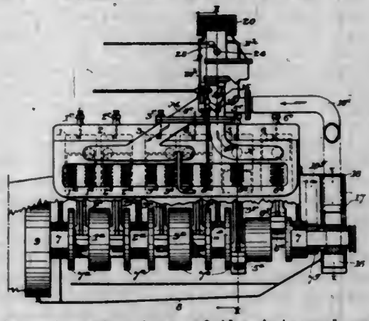


3. An auxiliary printing attachment for two-revolution flat bed printing presses having means for moving the impression cylinder of the press toward and away from the reciprocating bed of the press, said device comprising a pair of plate cylinders adapted to imprint a sheet carried by the impression cylinder, means for moving each plate cylinder into and out of printing engagement with the impression cylinder in timed relation to the movement of the impression cylinder toward and away from the reciprocating bed, and means for selectively holding one or more of said plate cylinders out of printing engagement with the impression cylinder.

2,186,043
INTERNAL COMBUSTION MOTOR

Karl W. Rohlin, Dover, Del.

Application August 30, 1937, Serial No. 161,703
14 Claims. (Cl. 123—52)



1. A motor structure of the internal combustion type comprising a group of four-cycle cylinders and a group of two-cycle cylinders, pistons in said cylinders, a crank shaft operatively connected to all of said pistons, and means responsive to speed for cutting the two-cycle portion of the motor into and out of firing service.

2,186,044
MANUFACTURE OF PRESERVES

William A. Rooker, Martinsburg, W. Va.

No Drawing. Application June 4, 1934, Serial No. 729,032. Renewed March 28, 1939
2 Claims. (Cl. 99—132)

1. A method of preparing bases for jams and

the like which comprises removing the peel and core of apples; comminuting the peeled and cored apples to produce a batch of aqueous pulp containing the full quantity of natural sugar, acid and pectin; separately treating the cores and peelings to extract the pectin content thereof, concentrating the extracted pectin; testing the said batch of pulp to determine the jellifying characteristics and then adding to the batch a quantity of the said concentrated pectin to raise the material to a standard predetermined gel strength.

2,186,045

PRODUCTION OF COLOR PHOTOGRAPHIC PICTURES

Wilhelm Schneider, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application February 2, 1939, Serial No. 254,235. In Germany February 5, 1938

11 Claims. (Cl. 95—6)

1. A photographic silver halide emulsion containing a binding agent and a compound selected from the class consisting of α-indolinone and substituted α-indolinone, said compound containing in its molecule a group capable of making said compound fast to diffusion in said binding agent.

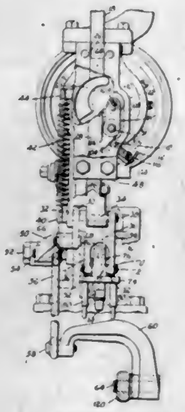
2,186,046

FASTENING INSERTING MACHINE

August R. Schoenky, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 16, 1938, Serial No. 214,065

20 Claims. (Cl. 1—19)



1. A fastening inserting machine having mechanism for inserting in work pieces a succession of fastenings, work positioning means arranged to engage a plurality of alined openings in each of a plurality of work pieces to hold said work pieces in predetermined relation to each other during the insertion of a fastening therein, said work positioning means being movable heightwise relatively to the fastening inserting mechanism from an inoperative to an operative position, means for positively maintaining said positioning means in operative position after it has been moved into such position, and means for automatically returning said positioning means to its inoperative position after the first fastening has been inserted.

2,186,047

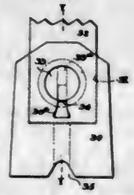
HAMMER FOR CRUSHING MACHINERY

James E. Stine, Aldan Park, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y., a corporation of New York

Application May 16, 1935, Serial No. 21,874

Renewed September 1, 1938

5 Claims. (Cl. 83—11)



1. The combination with a relatively narrow hammer shank, of a detachable tip recessed to receive the end of the same; said shank and tip having registering apertures, a retaining pin having a length not greater than the thickness of the tip passing through said apertures; one wall of the tip having a flaring recess in communication with its aperture and said retaining pin having a through opening adapted to register with said recess, and a key pin having a length not greater than the diameter of the retaining pin adapted to be received in said through opening and extend into the flaring recess; said key pin having one end enlarged for retention by the walls of said recess.

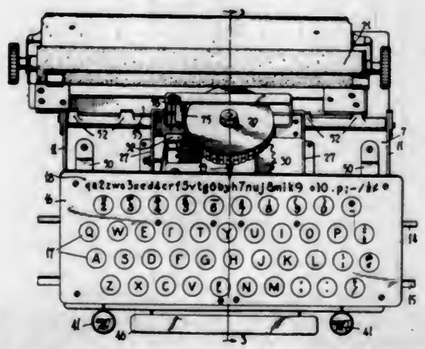
2,186,048

TYPEWRITER

J. Lee Sweeney and Harry Bates, New York, N. Y., assignors to Bates Laboratories, Inc., New York, N. Y.

Application October 15, 1936, Serial No. 105,790

18 Claims. (Cl. 197—45)



1. A typewriter of the character described comprising a laterally shiftable and depressible dummy keyboard having key characters thereon, a stationary indicator cooperating with the characters on the keyboard, a type unit movable under the influence of the keyboard when said board is shifted laterally in either direction, a platen, and means cooperating with the keyboard and platen for causing the latter to move into contact with the type unit upon depression of the keyboard.

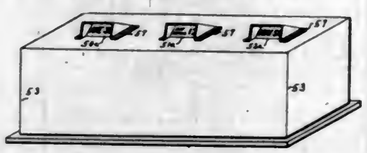
2,186,049

OPTICAL PROJECTING MECHANISM

Charles F. Thompson, Richmond, Va.

Original application July 31, 1936, Serial No. 93,684. Divided and this application May 19, 1937, Serial No. 143,578

5 Claims. (Cl. 88—24)



1. In a totalizing machine, total indicating means including a film having a series of individual numbers representing totals thereon, and projection means operatively related to said film for projecting individual numbers therefrom; and means for moving said film to a total indicating position with respect to said projection means including means for storing energy proportional to a total of units to be indicated, means for releasing the stored energy in quantum, means disposed between said means for storing energy and said film and operative upon the release of the stored energy for moving said film continuously to a total indicating position dependent upon the quantum of energy released, and a speed governing device connected with the last said means for controlling the rate of release of the stored energy for effecting uniform movement of said film with a minimum of tension and wear.

2,186,050

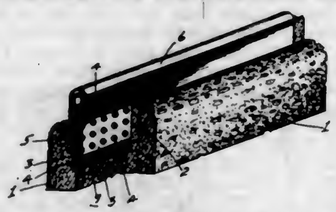
CLEANING DEVICE

Sidney P. Vaughn, United States Navy, Ackerman, Miss.

Application March 7, 1938, Serial No. 194,349

4 Claims. (Cl. 15—244)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cleaning device comprising an elongated block of compressible cleaning material substantially rectangular in cross section, a slot formed lengthwise therein on one side, a foraminous channel shaped core element in said slot, said core member being substantially U shaped in cross section and arranged in the slot with the bottom of the U toward the bottom of the slot, and a cementing material in the channel of said core element for securing the walls of the slotted portion of the cleaning material to the core element.

2,186,051

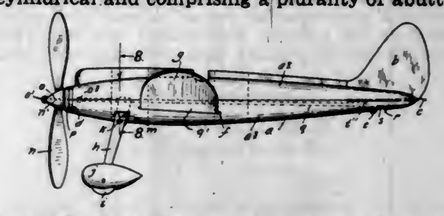
TOY AIRPLANE CONSTRUCTION

Nevilles E. Walker, Portland, Oreg.

Application September 4, 1934, Serial No. 742,557

6 Claims. (Cl. 46—76)

1. A toy airplane comprising an entire body of sheet balsa wood permanently warped to predetermined form, said body being more or less cylindrical and comprising a plurality of abutting



longitudinal sections constituting gores of said cylindrical body.

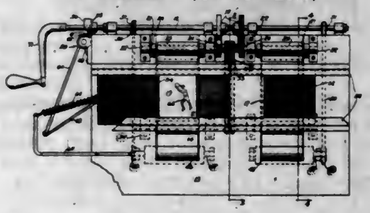
2,186,052

OPTICAL PROJECTION DEVICE

Carl Waldeyer, San Francisco, Calif.

Application August 23, 1938, Serial No. 226,318

2 Claims. (Cl. 88—16.6)



1. In an optical projection device comprising a casing provided with a plurality of lenses therein, ribbons having sets of characters thereon and being adapted to move substantially vertically back of the respective lenses, the lenses being so arranged that the rays passing therethrough are focused at a predetermined distance from the ribbons; a backing element for each ribbon; guides at the sides of the backing element for guiding the respective ribbon over the backing element; paired, tensioned rollers for feeding each ribbon over the respective backing element, one pair of rollers being adapted to feed the respective ribbon faster therebetween than the other pair of rollers therefor; means for adjusting the tension of each pair of rollers so as to maintain the ribbon under a suitable tension for preventing wrinkling or breakage of the ribbon; means for intermittently rotating the rollers for each ribbon so as to move a ribbon toward a position for exposing a set of characters while the other rollers are motionless and thereby hold a ribbon so that a set of characters thereon is in an exposure position; light means mounted in the casing that the rays therefrom are prevented from passing directly through the lenses; and means for reflecting the light rays upon the ribbons and causing the set of exposed characters illuminated thereby to be projected through the respective lenses upon a suitable surface at the focus of the light rays.

2,186,053

COLOR PHOTOGRAPHY
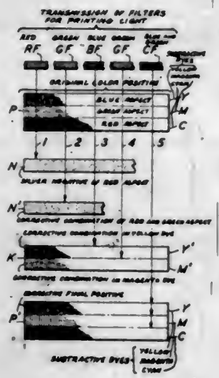
Eastman A. Weaver, Winchester, Mass., assignor to Comstock & Westcott, Inc., Cambridge, Mass., a corporation of Massachusetts

Application March 21, 1936, Serial No. 70,048

7 Claims. (Cl. 95—2)

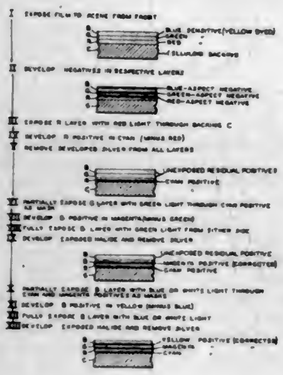
1. The method of reproducing a color picture by superimposing records of several color aspects, involving deficient coloring matter properly absorbing light transmitted by the taking filter of its color aspect but improperly absorbing light

which should only be absorbed by coloring matter for a second aspect, which method comprises making a photographic record of said first color aspect of the picture, said record and said first aspect being of opposite sign, printing from said



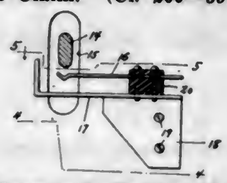
first record in register with said color picture a colored corrective record combined from said record and said second aspect, and then printing a corrected picture with said color picture and said corrective record in registered combination.

2,186,054
COLOR PHOTOGRAPHY
Eastman A. Weaver, Winchester, Mass., assignor to Comstock & Wescott, Inc., Cambridge, Mass., a corporation of Massachusetts
Application March 11, 1936, Serial No. 68,223
11 Claims. (Cl. 95—2)



1. In the art of color photography on silver halide emulsion the method which comprises exposing a sensitized layer of emulsion to one color aspect, while leaving in said layer an amount of unexposed silver halide forming a corresponding positive, and emulsion in addition to that amount, developing said layer into a negative, removing the silver from the developed negative, exposing said silver halide from one side in register through a positive of another color aspect, the latter exposure being incomplete, and the emulsion therefore correctively affected by the light absorption of said positive, and again developing said layer whereby a corrected positive of said first color aspect is formed.

2,186,055
BRAKE LEVER CONTROLLED SWITCH
Joseph S. Weeks, Indianapolis, Ind.; Rosa L. Weeks, administratrix of said Joseph S. Weeks, deceased
Application November 5, 1936, Serial No. 109,370
1 Claim. (Cl. 200—59)



In a brake lever controlled switch, an attaching bracket having an angular flange along one edge, a contact member with which the brake lever contacts when in brake applied position, an insulated block securing the contact member adjacent one end in spaced parallel relation to said flange, said flange constituting a guard plate positioned behind the contact member and an angular extension on one end of the guard plate at right angles to and spaced from the free end of the contact member and constituting a shield for the free end of said contact member.

2,186,056
PRODUCTION OF TEXTILE THREADS AND FABRICS
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 10, 1938, Serial No. 229,329
20 Claims. (Cl. 57—140)

1. Process for the production of highly twisted crepe thread of filaments of an organic derivative of cellulose, which comprises incorporating in the thread a resin, subjecting the thread to the action of a hot aqueous fluid and crepe twisting the thread of filaments while the thread is subjected to the action of the hot aqueous fluid.

2,186,057
GOLF TEE
Ray Belmont Whitman, Essex Fells, N. J.
Application June 3, 1936, Serial No. 83,175
4 Claims. (Cl. 273—33)

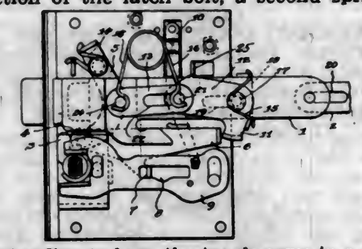


1. A golf tee of foldable material cut from a single flat piece to an approximately square outline and scored along its diagonals and also along intermediate radial lines and adapted to thereafter be folded along said scores to elevate its center portion.

2,186,058
COACH LOCK
Andrew Christian Andersen, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 28, 1938, Serial No. 221,699
7 Claims. (Cl. 292—164)

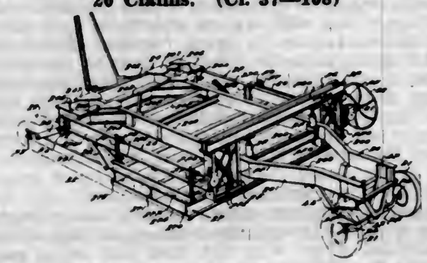
1. In a coach lock, a casing, a latch bolt slidable in the casing, an inside handle having an operating connection with said bolt, a pair of toggle arms having a pin and slot connection at

the knee of the toggle, one arm fixedly pivoted to the latch casing, the other pivoted to the latch bolt, a spring tending to resist the toggle arms sliding into overlapped relation by direct retraction of the latch bolt, a second spring and



stop tending to keep the toggle arms in a straight line position but slightly over center and an outside handle and operating connections arranged to break the toggle and thereby shorten it and retract the bolt.

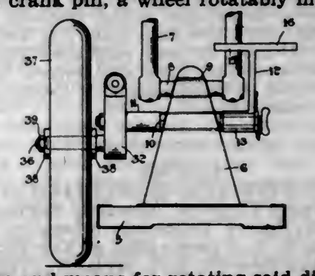
2,186,059
FINE-GRADING MACHINE
Robert D. Baker, Birmingham, Mich.
Application July 5, 1938, Serial No. 217,418
20 Claims. (Cl. 37—108)



1. In a fine-grading machine, a main frame, mobile means supporting said main frame at the front and rear thereof, a first sub-frame pivoted at the rear of said main frame adapted to be pivotally raised and lowered longitudinally with respect to the said main frame, a second sub-frame supported in depending relationship from the said first sub-frame, earth cutting mechanism carried by said second sub-frame, and means for raising and lowering the said second sub-frame and earth cutting mechanism carried thereby both longitudinally and transversely independently of and with respect to the said main frame and first sub-frame, the said raising and lowering means being adapted to tilt the said second sub-frame simultaneously with the raising and lowering of the same.

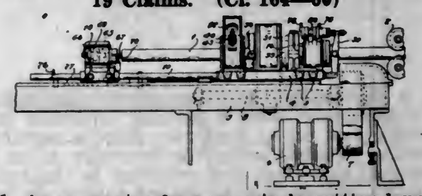
2,186,060
TRANSIT GEAR FOR AIRPLANES
Alan Batey and Robert W. Coupland, Montreal, Quebec, Canada
Application October 30, 1937, Serial No. 171,848
In Canada September 25, 1937
4 Claims. (Cl. 280—61)

1. The combination with the undercarriage of an airplane fitted with skis or floats of wheel attachments adapted to be secured to the undercarriage of the plane to support the same for movement over the ground or around the floor of a hangar, each of said attachments comprising a shaft adapted to be mounted in a bushing provided in the undercarriage, means for holding said shaft against rotation in said bushing, a disc rotatably mounted on said shaft and equipped with a crank pin, a wheel rotatably mounted on



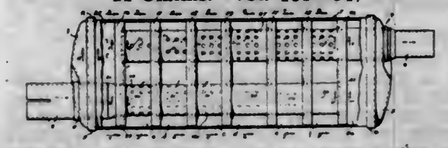
said pin and means for rotating said disc to shift the crank pin and wheel to and from a plane supporting position.

2,186,061
TUBE CUT-OFF APPARATUS
Richard O. Berg and Simon Berg, Detroit, Mich., assignors to Michigan Steel Tube Products Company, Detroit, Mich., a corporation of Michigan
Application July 22, 1938, Serial No. 220,668
19 Claims. (Cl. 164—60)



1. An apparatus for successively cutting lengths from tube of indeterminate length moving continuously longitudinally which comprises, a reciprocable carriage arranged to move with the tube for a distance, clamping means on the carriage for gripping the tube, a rotary head on the carriage through which the tube passes, cutting tools on the rotary head mounted for movement toward and away from the tube, means independent of the clamping means and cutting tools for moving the carriage with the tube and means for automatically applying the clamping means to the tube and for moving the cutting tools inwardly toward the tube for cutting the same as the carriage moves with the tube.

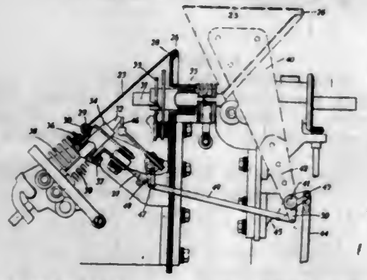
2,186,062
MUFFLER
Richard O. Berg, Simon Berg, and Fridtjof Berg, Detroit, Mich., assignors to Michigan Steel Tube Products Co., Detroit, Mich., a corporation of Michigan
Application July 25, 1938, Serial No. 221,146
11 Claims. (Cl. 181—54)



1. A muffler for exhaust gases of an internal combustion engine comprising, a shell, an inlet tube for exhaust gases extending into the shell, an outlet tube for exhaust gases extending out of the shell, said inlet tube and outlet tube being disposed in overlapping relation within the shell, the inlet tube having apertures therein progres-

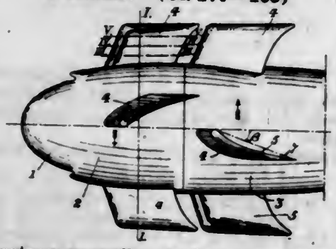
sively diminishing in number in one direction, the outlet tube having apertures therein progressively diminishing in number in the opposite direction, whereby the gases pass from the inlet tube to the outlet tube through said apertures and whereby some of the gases are caused to flow within the shell in the direction of extent of the inlet and outlet tubes.

2,186,063
OCCULTER FOR SEARCHLIGHTS
Charles Edward Clouston, Isleworth, England, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 17, 1937, Serial No. 148,655
In Great Britain June 20, 1936
9 Claims. (Cl. 177—329)



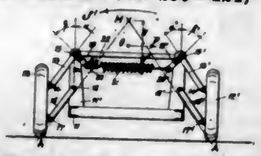
1. A searchlight occulting device comprising the combination with a housing enclosing the electrode tips on at least two sides, a movable screening member swingable vertically about a horizontal axis from the occulting to the non-occulting position and so shaped that in its occulting position it encloses said tips on all other sides and in its non-occulting position its screening surface lies substantially edge-on to the beam reflected by the searchlight.

2,186,064
ROTARY PROPELLER AND THE LIKE DEVICE
Adriaan Jan Dekker, Leiden, Netherlands, assignor to N. V. "Stroomlyn" Tot Exploitatie van Octrooien, The Hague, Netherlands
Application May 19, 1937, Serial No. 143,549
In Great Britain June 3, 1936
8 Claims. (Cl. 170—165)



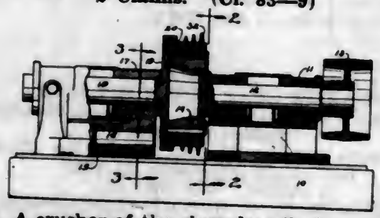
1. A rotary propeller device comprising a plurality of hub parts placed one behind each other, a plurality of blades on each hub part, the blades on each hub part being curved in two directions like sails, the cross-sections of the blades taken on any cylindrical surface coaxial with the axis of rotation of the hub part as well as the cross-sections of the blades taken on any surface normal to the axis of rotation of the hub part being similar to those of lifting aerofoils, and means for rotating alternate hub parts in opposite directions, whereby a substantially undisturbed slip stream is produced extending generally in parallel directions on different sides of the hub parts.

2,186,065
SPRINGING SYSTEM OF VEHICLES
Stefan Fischer, Prague-Dejvice, Czechoslovakia, assignor to Alex Selig, Prague, Czechoslovakia
Application October 15, 1936, Serial No. 105,707
In Czechoslovakia October 19, 1935
11 Claims. (Cl. 280—124)



1. A springing system of a vehicle including a chassis frame, at least one pair of wheels and wheel carriers independently suspended at opposite sides of said chassis frame comprising at least one link member for each of the wheels, the upper end of each link member being articulately jointed to said chassis frame and the lower end to its associated wheel carrier, an arm for one of said link members of each of said opposite wheels, swingable in relation to said chassis frame and connected with its one end to its associated link member so as to swing together therewith, and a spring attached with its ends to the other ends of the opposite arms, said link members being so inclined with respect to a vertical line that the instantaneous center of the wheel oscillations lies above the vehicle's center of gravity when the latter rests on a level, said instantaneous center being defined as the point of intersection of two straight lines associated with the opposite wheels respectively, each of said straight lines passing through the point of contact of the associated wheel with the road and being parallel to the link member connected to the associated wheel, and said arms being so inclined and said spring being so dimensioned that said first mentioned point of intersection cannot travel considerably below the center of gravity when the wheels oscillate with respect to the chassis due to road shocks of non-abnormal force.

2,186,066
SOY BEAN CRUSHER
Henry Ford and Robert A. Boyer, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application November 1, 1937, Serial No. 172,108
2 Claims. (Cl. 83—9)

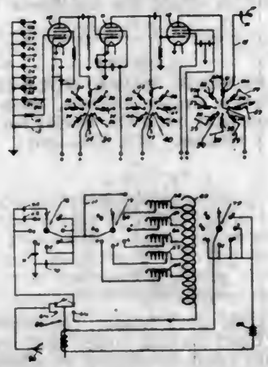


2. A crusher of the class described comprising, a base plate, a pillow block mounted upon said base plate, a driving shaft rotatably mounted in said pillow block, a roller formed integrally with one end of said driving shaft, means disposed on the other end of said driving shaft for rotating same, a bearing block having a driven shaft rotatably mounted therein, said bearing block being pivotally mounted upon said base plate so as to swing in such arc that the axis of said driven shaft swings radially toward and from the axis of said driving shaft, a ring fixed to the end of said driven shaft adjacent to said roll, said ring enclosing said roller and having a bore materially larger than the periphery thereof, means for resiliently urging said bearing block laterally so that said ring bears against one point on the periphery of said roller, a tube disposed in the space between said roller and ring at the point of greatest separation therebetween, said tube extending at an angle to the axis of said driving shaft, and a scraper blade fitting the space between said roller and said ring, said blade deflecting the material to be crushed from the space between said roller and ring, for the purpose described.

2,186,067
METHOD OF DRYING SURFACES AND APPARATUS THEREFOR
Frederick J. Groven, Highland Park, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
No Drawing. Application January 23, 1939, Serial No. 252,428
4 Claims. (Cl. 34—24)

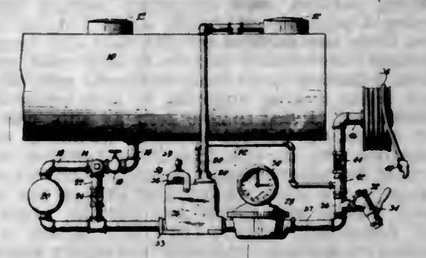
1. A method of drying surfaces comprising, exposing the material to be dried to radiation of a wave length between .6 and 1.6 microns which is projected thereon directly from a radiating source, and simultaneously exposing said material to radiation from said source which has been reflected from a gold surface.

2,186,068
RADIO TRANSMITTER
John W. Hammond and Robert B. Edwards, Baltimore, Md., assignors to Bendix Radio Corporation
Application June 7, 1938, Serial No. 212,320
5 Claims. (Cl. 250—17)



1. In radio transmitting apparatus including an oscillator stage, a radio frequency amplifying stage and an antenna, an oscillator element adapted for high frequency oscillations and an oscillator element adapted for low frequency oscillations, means for selectively connecting said elements in said oscillator stage, a pair of coils adapted to be individually connected in said amplifying stage, one of said coils being of such inductance as when connected in said stage to tune said stage to the frequency of said first-mentioned oscillator element, the other of said coils being of relatively high inductance and ineffective to tune said amplifier stage to the frequency of said second-mentioned oscillator element, means mechanically coupled to said first-mentioned means for connecting said one coil in said amplifier stage when said first-mentioned element is connected in said oscillator stage and for connecting said other coil in said amplifier stage when said second-mentioned element is connected in said oscillator stage, an antenna tuning device, and coupling means for connecting said antenna through said tuning device to said radio-frequency stage when said other coil is connected in the circuit and for connecting said antenna independently of said tuning device to said radio-frequency stage when said one coil is connected in the circuit.

2,186,069
AIR RELEASE FOR LIQUID MEASURING SYSTEMS
Charles S. Hazard, New York, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey
Application October 20, 1937, Serial No. 169,966
9 Claims. (Cl. 221—67)

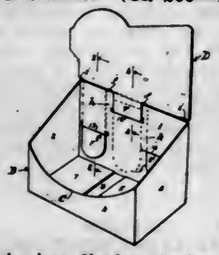


1. In combination with a dispensing system having a meter, means for supplying liquid to said meter and means for delivering liquid from said meter; of a chamber interposed between said supply means and said meter, said chamber being provided with a pair of ports, valve means for controlling said ports, one of said ports forming a vent, means forming a by-pass between the other of said ports and said delivery means, a float in said chamber and mechanism connecting said float to said valve means for first opening one of said ports for venting said chamber should the level of the liquid descend below a predetermined point, and for opening said by-pass should the level of the liquid descend below a still lower predetermined point.

2,186,070
SUBTRACTIVE COLOR FILM
Gerd Heymer, Wolfen, Kreis Bitterfeld, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1937, Serial No. 172,652. In Germany November 6, 1936
5 Claims. (Cl. 95—2)

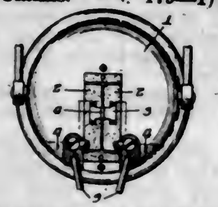
1. In a process of producing fade-outs in a subtractive 3-color motion picture film containing three differently colored dye images, in which the fade-outs are produced by decreasing the exposure of successive frames of the color image record, the improvement which consists in uniformly applying to each of said frames an additional dye complementary in light-absorption to the color tending to predominate and in such quantity as to give a neutral black with said color.

2,186,071
SHIPPING DISPLAY CONTAINER
George Hornecker, Elmhurst, N. Y., assignor to William W. Fitzhugh, Inc., Brooklyn, N. Y., a corporation of New York
Application September 4, 1937, Serial No. 162,405
3 Claims. (Cl. 206—44)



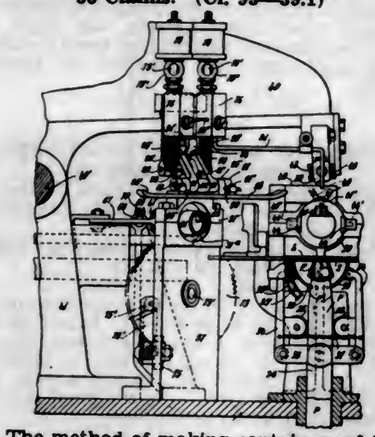
1. In a shipping display device, the combination with a container comprising side forming walls and a bottom, of a separate cover display easel, said container having in one of its walls a plurality of spaced apart slits, said easel comprising a display portion and a container attaching portion, said attaching portion comprising a plurality of spaced apart tongues defined from one another by slits, said slits terminating at the display portion of said easel, said tongues having score lines thereon, said score lines being located adjacent to and below the termination of said tongue defining slits, one of said depending tongues engaging in one of said container slits on one face of said slitted wall portion, the others of said depending tongues engaging in the other longitudinal slits on the opposite face of said slitted wall portion, whereby said depending tongues span said slitted wall portion on opposite sides and frictionally engage the same, said depending tongues when brought with their score lines in register with the top edge of said slitted wall portion permitting the cover display easel to be folded down upon the container, and when the easel portion is erected and pushed downwardly on said top edge, the depending tongues firmly grip the opposite sides of said slitted wall portion and lock the easel display firmly upon said slitted wall portion.

2,186,072
HEAD PHONE
Walter H. Huth, Chicago, Ill., assignor to Aurex Corporation, Chicago, Ill., a corporation of Illinois
Original application June 22, 1936, Serial No. 86,504. Divided and this application May 17, 1937, Serial No. 143,079
5 Claims. (Cl. 179—1)



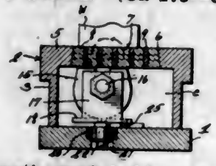
1. The combination of a double ear-piece head phone, with each ear-piece connected in the same circuit, so that they simultaneously receive the message, and adjustable shunt resistance means disposed flatwise on the outside of the outer wall of the casing of one ear-piece, having straight sliding movement to vary the resistance of the shunt, affecting the active element thereof, in series with the active element of the other ear-piece, thereby to balance the volume effect in both ears.

2,186,073
CONTAINER AND MEANS FOR AND METHOD OF MAKING CONTAINERS
Ogden Johnson, Bronxville, N. Y., assignor to American Sealcone Corporation, New York, N. Y., a corporation of New York
Application June 24, 1938, Serial No. 215,533
36 Claims. (Cl. 93—39.1)



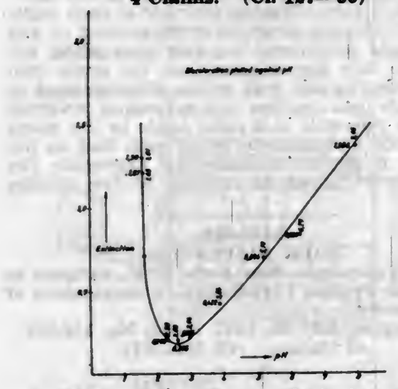
1. The method of making containers of fibrous material, which comprises providing a blank having a surface coating of a composition, shaping the blank to tubular form with the coating on the inside and marginal portions of the blank overlapping, securing the blank in tubular form at the overlapping portions with the coating composition, and then applying a coating of a composition to the seam portion formed by the overlapping portions inside the container body.

2,186,074
MAGNETIC WORK HOLDER
Steven Koller, Detroit, Mich.
Application May 13, 1939, Serial No. 273,553
5 Claims. (Cl. 175—367)



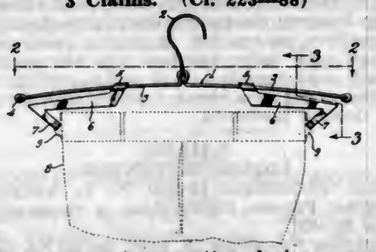
5. A magnetic work holder, comprising a work supporting head having inner and outer plane surfaces, said head consisting of alternately arranged strips of magnetic and non-magnetic material, a permanent magnet supported beneath said head for turning on a vertical axis, said magnet having poles disposed in a plane spaced from but adjacent to the inner plane surface of the head, and means for turning said magnet to either of two positions, in one of which positions the magnetic flux path between the poles will pass vertically through and transversely between said magnetic strips through work on the head to hold the work thereon and in the other position the flux will pass longitudinally of the magnetic strips to shunt the flux out of the work to release it from the head.

2,186,075
PROCESS OF MANUFACTURING DEXTROSE-CONTAINING SUGAR PRODUCTS FROM CARBOHYDRATES BY ACID HYDROLYSIS
Waldemar Kröner and Heinz Kothe, Berlin, Germany
Application June 14, 1938, Serial No. 213,590
In Germany June 28, 1937
4 Claims. (Cl. 127—36)



1. The process of manufacturing dextrose-containing sugar products from carbohydrates by acid hydrolysis, comprising performing all high-temperature operations at an acidity substantially within the range of pH=2.3 to 3.

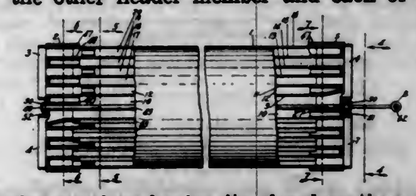
2,186,076
GARMENT HANGER
Mathias Moe, Chicago, Ill., assignor of one-half to Claude D. Ballard, Chicago, Ill.
Application December 12, 1938, Serial No. 245,178
3 Claims. (Cl. 223—88)



1. In a garment supporting device, a supporting body which consists of a single transversely extending free ended resilient member of rod stock, a hook associated with an intermediate portion of said member, limiting stops at each end of said member, tubular sleeves slideable one on each end of said member at opposite sides of said hook, each such sleeve conforming closely to the exterior surface of the rod stock, but having an internal aperture sufficiently greater in diameter than the exterior diameter of the resilient member to permit a cramping of the sleeve on the resilient member, and a garment-engaging member secured to each of said tubular sleeves.

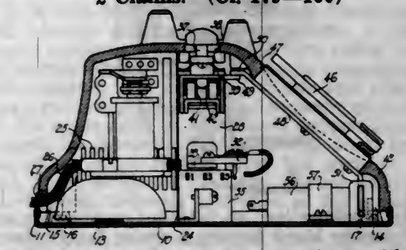
2,186,077
HEAT TRANSFER DEVICE
Harold E. Noyes, Gossville, N. H.
Application November 1, 1935, Serial No. 47,839
10 Claims. (Cl. 257—233)

5. In a heat transfer device, a series of spaced coaxial pipes forming a plurality of annular flow passages, end header members at opposite ends of said pipes each having open and closed portions on each side of a diameter of the device, each of said header members having its open portions communicating through said annular passages with diagonally opposite open portions of the other header member and each of said



header members having its closed portions preventing escape from said annular passages on that side of said diameter which is open at the other header, one of said header members having a septum extending along said diameter, and cleaning means in certain of said annular passages including cleaner operating rods reciprocable through said septum.

2,186,078
DESK TELEPHONE
Alexander C. Reid, Genoa, Ill., assignor to Leich Electric Co., Genoa, Ill., a corporation of Illinois
Application July 5, 1934, Serial No. 733,805
2 Claims. (Cl. 179—100)

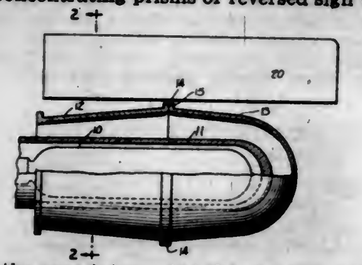


1. A desk telephone set having in combination a base, a ringing mechanism mounted on said base adjacent one side edge thereof, a dial swingingly secured to said base at the side opposite said ringing mechanism and projecting upwardly over the base toward the center thereof, a hook switch mechanism mounted on said base between the dial and ringing mechanism mountings, said hook switch mechanism being provided with a shelf upon which the upper end of the dial is supported, and a cover over said mechanism having an opening for said dial and having projections formed thereon for supporting a hand set, said dial being also slidable with respect to the base whereby to permit its movement with the cover as the cover is removed from the base.

2,186,079
LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application October 23, 1937, Serial No. 170,564
7 Claims. (Cl. 240—25)

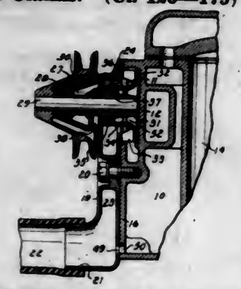
5. In a luminaire, a light source, a concentric prismatic member having prisms acting on light from the light source for concentrating rays into a beam directed above the horizontal, a reflector intercepting the reflected rays obliquely and reflecting them into a substantially parallel beam,

the concentrating prisms opposite the more remote portion of the reflector alternating with light concentrating prisms of reversed sign which



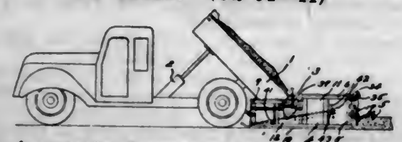
divert the rays intercepted thereby into a direct beam substantially parallel with the reflected beam.

2,186,080
INTERNAL-COMBUSTION ENGINE
Laurence S. Sheldrick, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Original application July 9, 1936, Serial No. 89,784. Divided and this application October 31, 1938, Serial No. 237,825
5 Claims. (Cl. 123—175)



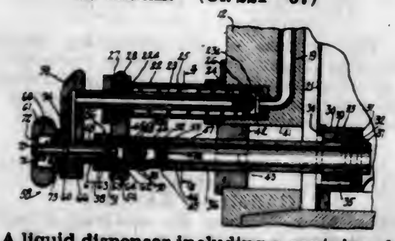
1. In combination, an internal-combustion engine cylinder black having a water jacket thereabout, said jacket having an opening therethrough at a point spaced upwardly from the bottom thereof, a pump housing secured to said water jacket over said opening, said housing extending from the bottom of the water jacket to a point above said opening, an impeller adapted to force water from the pump housing into the water jacket, and an inlet port in said housing positioned in horizontal alignment with the bottom of said water jacket, said water jacket and pump housing having a restricted passageway extending therethrough in position vertically aligned with the bottom of said water jacket, whereby cooling water may flow from the bottom of a water jacket to the inlet port for the purpose described.

2,186,081
AGGREGATE SPREADER
William J. Slavin, Howell, Mich.
Application October 18, 1938, Serial No. 235,651
4 Claims. (Cl. 94—44)



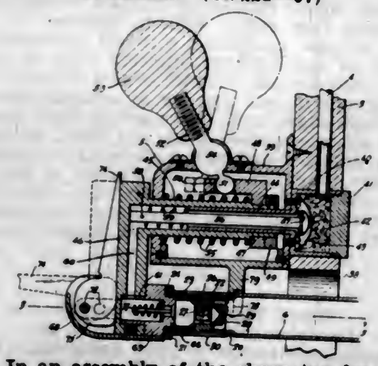
1. A spreader for use in distributing aggregate upon a prepared road surface, comprising a rectangular box-like structure having side walls and a rear wall and being open at the bottom, top and front, the rear wall including an adjustable end gate, means for adjusting the end gate vertically to vary the distance of the lower edge from the ground surface, an angle iron member pivotally mounted on the inner side of each side wall adjacent the forward end thereof, the rear end of each side wall being provided with a series of bolt apertures, a bolt carried by the rear end of each angle iron member and arranged to be secured in any one of said apertures, the apertures being arranged to vary the angularity of the angle iron member on the side wall and a plate secured to each angle iron member and extending inwardly from the side wall at a right angle to the plane thereof, the arrangement being such that as the spreader is drawn through the aggregate the aggregate is caused to ride up on the sloping plates.

2,186,082
MILK DISPENSER
William Tamminga, New York, N. Y., assignor to Monitor Process Corporation, a corporation of New Jersey
Application July 30, 1937, Serial No. 156,467
48 Claims. (Cl. 221—67)



1. A liquid dispenser including a container having an outlet member, a movable valve in said member for controlling the same, said valve having an integral elastic automatically closing hollow portion, means for forcing a gaseous fluid through said valve portion into the container through said member, said valve portion being adapted to act as a check valve to prevent liquid from flowing thereinto.

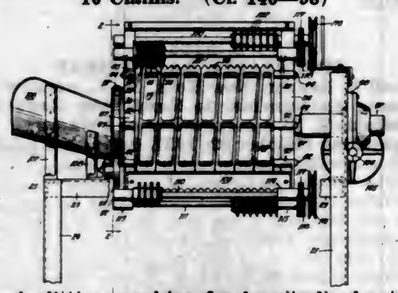
2,186,083
LIQUID DISPENSER
William Tamminga, Bronx, N. Y., assignor to Monitor Process Corporation, a corporation of New Jersey
Application November 23, 1938, Serial No. 241,899
20 Claims. (Cl. 221—67)



1. In an assembly of the character described, a container provided with a discharge tube having a valve for controlling the discharge of liquid

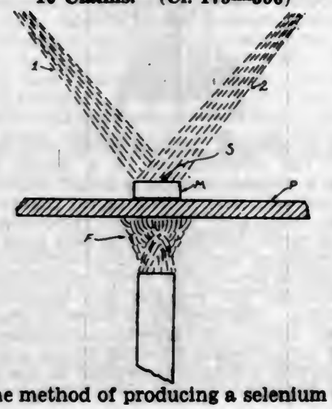
therethrough, and means for locking the valve to said tube with the valve in closed position, in combination with a casing for the container, means on the casing for actuating the discharge tube valve, and means for unlocking the valve from the tube and simultaneously coupling said valve to the valve actuating means on the casing.

2,186,084
SLITTING MACHINE
William E. Urschel and Joe R. Urschel, Valparaiso, Ind.
Application April 29, 1938, Serial No. 204,957
10 Claims. (Cl. 146—98)



1. A slitting machine for longitudinal articles, comprising a rotatable hopper, means for rotating said hopper, said hopper being adapted to contain a plurality of such articles and having an outlet toward which the articles are periodically moved during such rotation, said outlet being of such dimensions as to receive and permit projection of the end of an article thereinto only when such article is moved endwise theretoward, article extracting means movable with said hopper, said article extracting means being engageable with said articles when they are moved into said outlet and being operable to extract the thus engaged articles endwise outwardly of the hopper through such outlet, said extracting means including a knife disposed in position for severing the articles during the extraction thereof, and means for operating said extracting means.

2,186,085
METHOD OF MAKING SELENIUM RECTIFIER FILMS
Samuel Wein, New York, N. Y., assignor to The B-L Electric Manufacturing Co., St. Louis, Mo.
Application April 22, 1938, Serial No. 203,614
10 Claims. (Cl. 175—366)



1. The method of producing a selenium coating upon a member which includes the step of spraying some of the surface of said member with a solution of selenious acid and reducing the selenious acid to elemental selenium by the application to the selenious acid on said member of a reducing agent.

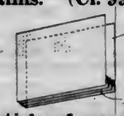
9. A rectifier device comprising a conductor plate, a coating thereon of selenium produced in situ by direct precipitation thereon and heat treated thereon and a second electrode in contact with the selenium.

2,186,086
COMBINED RAIN DEFLECTOR AND VENTILATOR
Bessie J. Wickham, Long Beach, Calif.
Application February 3, 1938, Serial No. 188,499
6 Claims. (Cl. 98—99)



1. A rain deflector for a window frame including window guide strips comprising a pair of frame sections, each frame section being formed by parallel upper and lower strips rectangular in cross-section and of equal width and thickness and a vertical strip joined to the outer ends thereof, the open ends of one frame section being arranged in opposed relation to the open ends of the other frame section with the parallel upper and lower strips in abutting sliding relation, a sheet metal deflector attached at its upper longitudinal edge portion to the outer face and outer edge portion of the upper strip of one frame section and inclined forwardly and downwardly, a sheet metal deflector attached at its upper longitudinal edge portion to the inner edge portion of the upper strip of the other frame section and inclined forwardly and downwardly, a sheet metal shield attached at its lower longitudinal edge to the upper edge portion of the lower strip of each frame section and extending vertically upward substantially wholly within its respective frame section, said shields being so positioned that the same will slidably engage each other, and guide means formed at the free longitudinal edges of said deflectors and said shields for respective telescopic interengagement in the assembled relation of said frame sections whereby to permit relative longitudinal sliding movement of said frame sections.

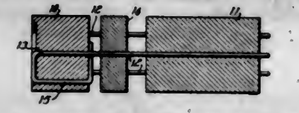
2,186,087
PACKAGE
John Yates, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 23, 1938, Serial No. 220,945
6 Claims. (Cl. 99—77.1)



1. As a new article of manufacture, a package

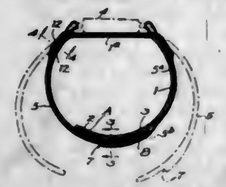
for dispensing a commodity to be brewed comprising a perforate container and a commodity enclosed within the container, the bottom of the container being folded so as to form a pleat therein adapted to permit the container to expand when the commodity is distended during the brewing process.

2,186,088
MANDREL ASSEMBLY
Peter R. Aronson, Millburn, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application December 31, 1938, Serial No. 248,725
12 Claims. (Cl. 78—103)



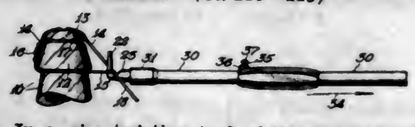
1. A mandrel assembly for use with a metal blank having a plurality of passages therethrough and adapted to be subjected to a metal-working operation, comprising in combination, a series of wire mandrels; a head adapted to rigidly hold at least a portion of said wire mandrels in fixed spaced relation; and spacer means mounted on said wire mandrels for facilitating mounting of said metal blank upon said wire mandrels preparatory to said metal-working operation.

2,186,089
WATCH STRAP
Harry R. Baker, Chula Vista, Calif., assignor to Joseph C. Miller, Compton, Calif.
Application April 2, 1937, Serial No. 134,688
2 Claims. (Cl. 224—4)



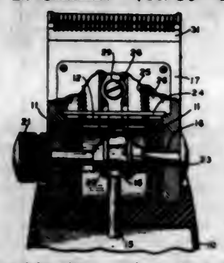
2. A watch strap shaped to conform to the wrist outline, which comprises a non-continuous open-ended flexible spring member, and an enclosing non-metallic flexible envelope surrounding said spring member, one end of said envelope being provided with an elongated pocket having an opening adapted to frictionally receive the other end of said envelope interiorly of said one end and within said pocket, the frictional engagement being sufficient to hold the respective ends of said strap in adjusted position against ordinary stresses encountered in use.

2,186,090
WIRE TWISTING DEVICE
Carleton E. Barnett, Cambridge, Mass.
Application May 1, 1937, Serial No. 140,189
3 Claims. (Cl. 140—119)



1. In a wire twisting tool of the character described, in combination, a rotatable bar provided with a twisting finger and with a helical portion extended lengthwise of said bar, a sleeve mounted on said bar to move lengthwise thereof, and provided with a head having a passage through which the helical portion of said bar is extended and having walls cooperating with the helical portion of said bar to effect rotation of the latter, said bar having a socket in said helical portion and a locking device carried by said sleeve and a coil spring disposed about said pin operative to normally disengage said pin from said bar, to enable the bar to be rotated by said sleeve with the locking device in its normal or disengaged position.

2,186,091
ADJUSTABLE RAZOR HEAD
Russell E. Benner, New York, N. Y., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 29, 1937, Serial No. 171,631
12 Claims. (Cl. 30—43)



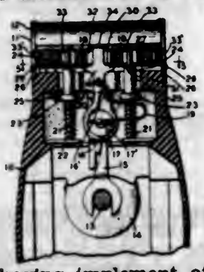
2. The combination of a lower housing, an upper housing having shearing members, a transverse rod pivotally connecting both said housings, means on said transverse rod for adjustably securing said housings in any one of a plurality of angular adjustments and additional means slidably mounted on said rod for reciprocating one of said shearing members.

2,186,092
ROTARY CUTTER
Russell E. Benner, New York, N. Y., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application October 30, 1937, Serial No. 171,887
2 Claims. (Cl. 30—43)



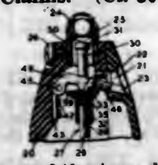
2. In a shaving implement of the type described, the combination of a motor housing forming a suitable handle; a cutter housing having a rear wall, side walls integral therewith and a curved front wall; means for removably securing said cutter housing to the said motor housing; combining teeth formed on the top of said front wall; a detachable blade cap; a stationary blade clamped flat beneath said blade cap, said blade being supported by a ledge at the top of said rear wall; a rotatable cutter formed of one piece of metal having a helical shape; and means for imparting a rotary movement to the said rotatable cutter.

2,186,093
DRY SHAVING INSTRUMENT
Russell E. Benner, New York, N. Y., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 10, 1937, Serial No. 173,795
13 Claims. (Cl. 30—43)



1. A dry shaving implement of the type described, comprising a grip-handle enclosing a motor, a rock lever formed of an upper and lower member, said upper member being slidably mounted on and resiliently secured to said lower member, a pivot for said lower member, an elongated slot in said upper member engaging said pivot, resilient pins, shoulders on said upper member and pins, a fixed outer cutter having a recess formed in the base thereof, an inner cutter mounted in said outer cutter and adapted to be engaged by said pins and reciprocated by said upper member, and a detaching, device removably secured to said grip-handle and positioned in said recess, said device being adapted to engage said shoulders to disengage said upper arm and pins from said inner cutter thereby permitting the removal of said inner cutter from said outer cutter.

2,186,094
CUTTER DISENGAGING DEVICE
Russell E. Benner, New York, N. Y., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 27, 1937, Serial No. 176,791
10 Claims. (Cl. 30—43)

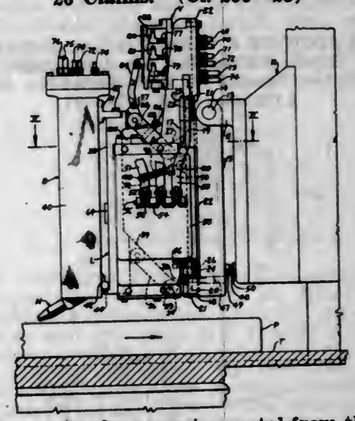


9. A dry shaver of the type described including a motor casing, a member slidably mounted upon a rotatable shaft, a spring between said arm and rotatable shaft, spring-pressed plungers, an outer cutter, an inner cutter reciprocally mounted therein and engaging said arm and spring-pressed plungers, and a pivotal lever operable on said arm and spring-pressed plungers to release them from engagement with said inner cutter while the outer cutter remains secured to the motor casing.

2,186,095
PIGMENT PROCESS
James E. Booge, Wilmington, Del., and Charles F. Oppermann, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1937, Serial No. 158,508
7 Claims. (Cl. 134—78)

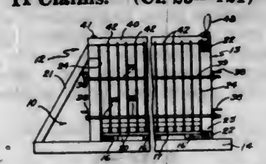
1. In a process for the separation of finely divided zinc sulfide containing pigments in aqueous suspension from coarser particles by wet grinding, the step which comprises adding a small amount of an alkali metal pyrophosphate.

2,186,096
METAL SURFACING APPARATUS
James H. Bucknam, Cranford, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 16, 1936, Serial No. 90,913
26 Claims. (Cl. 266—23)



1. Apparatus for removing metal from the surface of a metal body such as a steel billet, comprising means supporting said body for maintaining such surface in a position to be operated upon; a blowpipe having a nozzle constantly inclined at an acute angle relatively to the plane of said surface for applying a stream of oxidizing gas obliquely against and lengthwise of said surface; a carrier for said blowpipe; means connecting said blowpipe and said carrier providing a desired degree of relative movement therebetween and freely to and from said surface in a direction other than that of the inclination of said nozzle to the plane of said surface while maintaining said acute angle substantially constant; a supporting frame for said carrier, said carrier being pivotally connected to said frame; means for moving said blowpipe relatively to said carrier and in said other direction; and adjustable means for limiting said movement toward said surface.

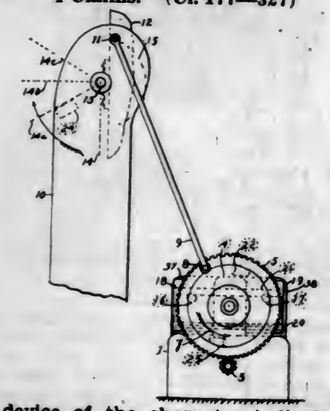
2,186,097
ADJUSTABLE FORM FOR SECTIONAL CONCRETE BURIAL VAULTS
Thomas J. Burns, Shelton, Conn.
Application May 27, 1939, Serial No. 276,065
11 Claims. (Cl. 25—121)



1. In a form of the class described, a mold including a base, a wall at each edge of and extending above the base and of which at least one such wall is movable from the base, a series of casting plates each including a plate and a horizontal member and end vertical members secured against one side of said plate in U formation and forming with the plate a pocket having an open side and an open upper end, said

casting plates arranged on the base of said mold between said walls with the plate of one casting plate against the open side of the pocket of the next adjacent casting plate to close said side and thus form a pocket open only at its upper end for the reception of concrete, and a series of inserts adapted to be disposed against the inner edges of said vertical members and the upper edge of said horizontal members for reducing the size of said pockets.

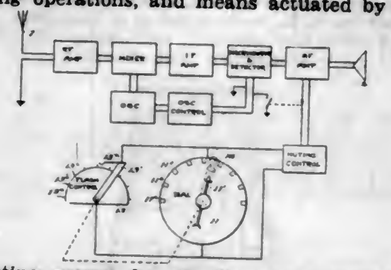
2,186,098
AUTOMOBILE DIRECTIONAL SIGNAL
Michael Corpora, San Jose, Calif.
Application March 31, 1939, Serial No. 265,360
4 Claims. (Cl. 177—327)



3. A device of the character indicated comprising, an electric motor, supporting means, a gear rotatably mounted on the support, a motor operated pinion drivingly connected to the gear, signal means operatively associated with the gear to be actuated by rotation thereof, and means for controlling rotation of the gear comprising, spaced stop means disposed on the gear on opposite sides of its axis of rotation, a pair of resiliently supported detents operatively mounted to normally lie in the path of travel of the stops and disposed to cooperate with the stops to effect certain signals, electro-magnets operatively mounted relative to said detents to withdraw the same from the path of travel of the stops when energized, means for energizing the motor independently of the magnets to move one gear stop into engagement with one detent, means for energizing the motor and one magnet to withdraw the last named detent from the path of travel of the stops and move the other gear stop into engagement with the other detent, means for energizing the motor and both magnets to withdraw both detents from the path of travel of the stops and rotate the gear, means operative to simultaneously deenergize the motor and magnets, and means operative to limit rotation of the gear when the motor and both magnets are energized.

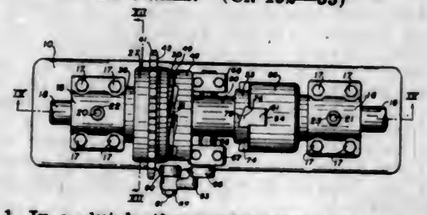
2,186,099
RADIO RECEIVING APPARATUS
Fulton Cutting, Buffalo, and Henry C. Forbes and Hulburt C. Tittle, Eggertsville, N. Y., assignors to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York
Application September 15, 1937, Serial No. 163,944
7 Claims. (Cl. 250—20)

1. In a tuning indicator for a radio receiver or the like, a tuning element, means for adjusting said tuning element, a luminous indicator carried by said adjusting means for movement therewith, means for silencing the receiver during tuning operations, and means actuated by said



adjusting means for simultaneously energizing said luminous indicator to indicate the tuned condition of the receiver and rendering said silencing means inoperative.

2,186,100
CLUTCH MECHANISM
Charles Doering, Chicago, Ill.
Application December 7, 1937, Serial No. 178,550
14 Claims. (Cl. 192—55)



1. In a clutch, the combination with a driving element, of a driven element, inter-engaging means disposed between said clutch elements, and a unitary pre-molded resilient load carrying member interposed between said driving and driven element, there being openings pre-molded in said load carrying member to receive said inter-engaging means on said driving and driven elements.

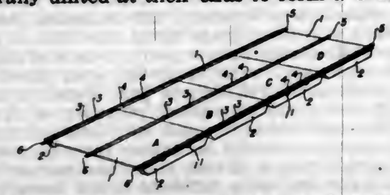
2,186,101
PRODUCTION OF CELLULOSIC MATERIALS
Henry Dreyfus, London, England
No Drawing. Application November 26, 1937, Serial No. 176,659. In Great Britain December 3, 1936
9 Claims. (Cl. 260—212)

1. Process for the production of cellulose derivative materials, which comprises introducing non-acidic nitrogen into cellulosic materials by reacting the materials for at least 30 minutes under super-atmospheric pressure with nitrogen-containing compounds and catalyzing the reaction with a substance containing a metal atom which is capable of forming co-ordination compounds containing nitrogen.

2,186,102
BOX
Edward F. Dunne, Convent, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application May 24, 1937, Serial No. 144,461
4 Claims. (Cl. 217—68)

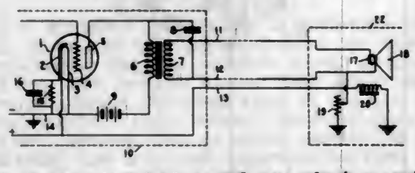
1. In a wirebound box, a flexible binder encircling the box and secured thereto and provided at its ends with interengageable fasteners, the

flexible binder comprising a pair of strands integrally united at their ends to form a U-shaped



bight free of sharp projections at each end of the flexible binder and the strands being separately secured to the box.

2,186,103
ELECTRICAL SOUND REPRODUCING SYSTEM
Henry C. Forbes, Buffalo, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York
Application March 2, 1935, Serial No. 8,982
Renewed July 28, 1939
9 Claims. (Cl. 179—1)



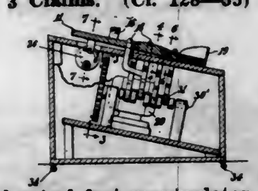
1. In an electrical sound reproducing system, in combination, means for producing sound currents, a transformer connected with said means and having primary and secondary windings, a sound reproducer having a voice coil, a pair of conductors connected to said secondary winding and to the terminals of said voice coil for supplying sound currents thereto, and means for controlling the operation of said source from a point adjacent said sound reproducer with only said pair of conductors therebetween, said means comprising a loop circuit having a wire side and a ground return, the wire side being formed by one only of said pair of conductors.

2,186,104
JOINT FOR CONCRETE SLABS
Ernest H. Geyer and Henry A. Taubensee, Chicago, Ill.
Application March 3, 1937, Serial No. 128,703
10 Claims. (Cl. 94—18)



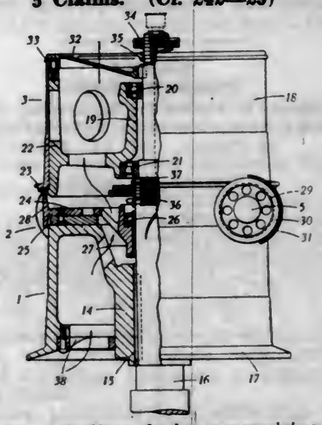
1. A joint for contiguous concrete slabs, comprising in combination a compressible filler strip adapted to fit between the slabs and yield in response to expansion thereof, a plurality of laterally spaced cross-members adapted to have the end portions thereof embedded in the slabs respectively and having their central portions extending through holes in the strip, and strip engaging elements for stiffening the strip and holding it against lateral displacement during pouring of the concrete in connection with formation of the slabs, mounted and held on said central portions of the cross-members against movement away from the strip and arranged so that every other one engages one side face of the strip and the alternate ones engage the other side face of the strip and also so that the ends thereof are disposed in lapped relation.

2,186,105
MECHANICAL FOOT MANIPULATOR
Harry Glen Hall, New York, N. Y., assignor to Max E. Singerman and Ellis Arndt, both of New York, N. Y.
Application May 4, 1939, Serial No. 271,660
3 Claims. (Cl. 128—55)



1. A mechanical foot manipulator comprising, in combination, a foot plate, the latter being adjustable horizontally and vertically, means for adjusting said foot plate in a vertical direction, said means consisting of an excentric cam, and a slide operating the latter, the foot plate being formed with a plurality of openings therein, fingers operated by a crank shaft and adapted to be interchangeably propelled through said openings, and means for operating said crank shaft.

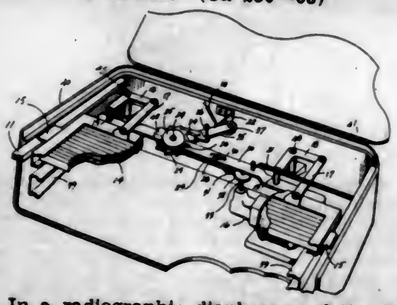
2,186,106
MEANS FOR WINDING WIRE AND OTHER LONG FLEXIBLE ARTICLES
Edward Spencer Hargreaves, Rainhill, and Waldo John Clements and William Austin Brown, Eccleston Park, Prescot, and Anthony Lawrenson, Eccleston, England, assignors to British Insulated Cables Limited, Prescot, Lancashire, England, a British company
Application May 5, 1937, Serial No. 140,830
In Great Britain May 14, 1936
5 Claims. (Cl. 242—25)



1. A wire winding device comprising a first block, a second block co-axial with the first block, the said second block being rotatable independently of the said first block, a carrier located between the first block and the second block and rotatable about the axis of the blocks at a speed which may be different from the speed

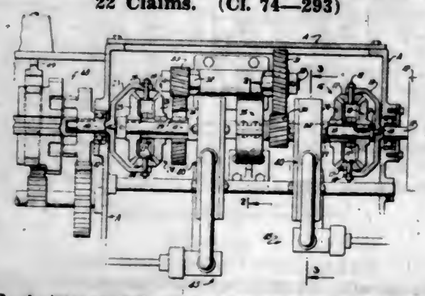
of rotation of either block, a guide carried by the said carrier serving to transfer the wire from one block to the other, and slipping frictional connecting means between the first block and one of the other two rotatable members controlling their speed in relation to that of the first block, thereby determining the tension in the wire.

2,186,107
DIAPHRAGM OF THE BUCKY TYPE
Walter H. Haupt, Ludlow, Ky., assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky., a corporation of Ohio
Application May 23, 1938, Serial No. 209,515
3 Claims. (Cl. 250—63)



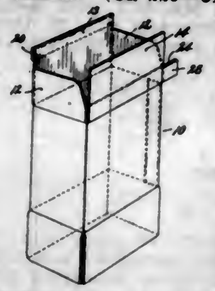
1. In a radiographic diaphragm of the bucky type a grid, a conventional reciprocating bell crank drive for said grid including a pair of bell-cranks, a reciprocating bar driving said bell-cranks, a driving bar driving said reciprocating bar, an electric motor, an eccentric on said electric motor driving said driving bar, a case enclosing said grid and said drive, a dog mounted on the inner wall of said case, a ratchet, a lug on said reciprocating bar an eccentric adapted to be driven by said driving bar to communicate motion of the latter to the reciprocating bar and ratchet rotating means carried upon said driving bar and making contact with said dog whereby to rotate partially at each stroke cycle of the driving bar, the eccentric, whereby to vary the length of throw imparted by reciprocating bar to said bell-cranks and so to said grid.

2,186,108
TRANSMISSION
Edward R. Holloway, Waukesha, Wis.
Application November 19, 1937, Serial No. 175,411
22 Claims. (Cl. 74—293)



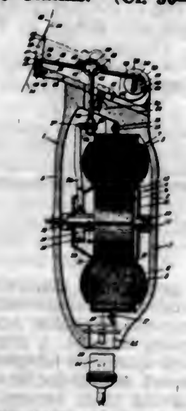
2. A transmission of the character described comprising, a shaft, a first sleeve rotatably mounted on said shaft, a second sleeve rotatably mounted on said shaft, a first differential including, a first driven gear fixed on said shaft to rotate therewith, a second driven gear fixed on said first sleeve to rotate therewith and a plurality of freely rotatable idler gears in mesh with said first and second driven gears, means to rotate said idler gears about the axis of said shaft to drive said driven gears, a second differential including, a third driven gear fixed on said shaft, a fourth driven gear fixed on said second sleeve and a second plurality of freely rotatable idler gears in mesh with said third and fourth driven gears to be driven thereby, means to drive said fourth driven gear from said second driven gear and at a different speed therefrom, and means rotatably mounting said second plurality of idler gears to receive the power therefrom.

2,186,109
CARTON
Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application December 8, 1933, Serial No. 701,472
7 Claims. (Cl. 229—51)



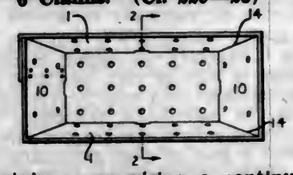
1. A folding box blank comprising wall sections forming the sides of said box, flaps extending from some of said sections and extending over the ends of the assembled box, and a flap serving as a tuck, extending from an edge of one of said flaps, and folded under and onto said one flap in the assembled box.

2,186,110
POWER DRIVEN RAZOR
Arthur E. Jensen, Anaheim, Calif.
Application April 13, 1937, Serial No. 136,597
9 Claims. (Cl. 30—43)



2. In a power driven razor, a head plate, a stationary blade member on one end of said head plate having a skin-contacting surface disposed in a plane substantially transverse to the surface of said head plate, an elongated movable blade member having one of its ends formed with cutters cooperating with said stationary blade member, and means pivoting the other end of said movable blade member near the opposite end of said head plate whereby the cutters may swing in an arc the radius of which is substantially equal to the distance between the said ends of said head plate, a handle member attached to said head plate, power means in said handle and means connecting said power means to said movable blade at a point intermediate the ends of said movable blade.

2,186,111
CONTAINER
Joseph P. Kavanaugh, Seattle, Wash.
Application March 9, 1937, Serial No. 129,831
6 Claims. (Cl. 229—23)



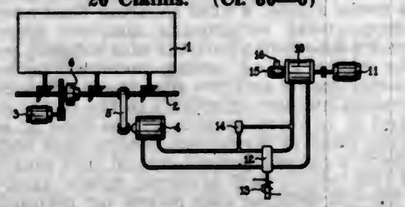
1. A container comprising a continuous wall strip having its ends joined to form, as integral components, two end sections flared upwardly and two side sections having their lower edges extending below the lower edges of the end sections, to leave a space between the lower edges of the end sections and an object supporting the container, and a bottom supported between the side sections and the flared end sections, above the level of the lower edges of the side sections, to complete the container.

2,186,112
SAFETY FUSE DEVICE
Willie A. Keen, Goldfield, Iowa
Application December 17, 1937, Serial No. 180,361
2 Claims. (Cl. 200—142)



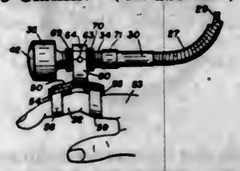
1. In a fuse for fire alarm systems, two metallic electrical conductors adjacent each other, an insulative inflammable material about said electrical conductors and a spring clamp means for holding said electrical conductors and said insulative material in position.

2,186,113
SYSTEM OF CONTROL FOR PRINTING PRESSES AND OTHER MACHINERY
Eric H. Laabs, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 9, 1939, Serial No. 255,555
20 Claims. (Cl. 60—6)



1. For printing presses and other machines, the combination with an hydraulic type drive comprising a generator and motor supplied thereby, of an electric drive comprising a motor capable of starting the driven machine, and control means for said drives insuring starting of the driven machine always by said electric drive and affording thereafter transfer of drive to said hydraulic drive.

2,186,114
MASSAGING DEVICE
Folke Lindberg, Chicago, Ill.
Application March 14, 1938, Serial No. 195,757
5 Claims. (Cl. 128—41)



1. In a device of the character described, the combination with a casing, of a shaft extending into said casing, a member eccentrically mounted on said shaft in said casing, a shaft housing extending from said casing to receive a driving member for connection to said casing shaft, a hand bracket mount associated with said shaft housing for manipulating said casing, a hand massaging gripping member rockably connected to said bracket mount transversely of said shaft axis for free longitudinal rockable movement in the plane thereof, and means for adjusting said bracket mount longitudinally along said shaft housing relative to said casing and independent of said rockable connection between said gripping member and said hand bracket mount to vary the vibratory effect produced at said mount by rotating said eccentric member.

2,186,115
FILLER MATERIAL FOR WELDING
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Application May 7, 1938, Serial No. 206,531
2 Claims. (Cl. 75—155)

1. Weld filler material containing approximately 62% to 47% copper, 1% to 6% cadmium, 0.01% to 0.5% silicon, remainder zinc.

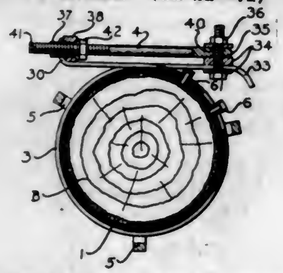
2,186,116
WELDING ALLOY
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Application September 30, 1938, Serial No. 232,531
2 Claims. (Cl. 75—158)

1. Filler material for welding comprising lead 8% to 18%; tin 5% to 12%; zinc 8% to 15%; silicon 0.05% to 0.5% and the remainder substantially all copper.

2,186,117
FILLER MATERIAL FOR WELDING
Arthur R. Lytle, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Original application May 7, 1938, Serial No. 206,531. Divided and this application June 1, 1939, Serial No. 276,817
2 Claims. (Cl. 75—155)

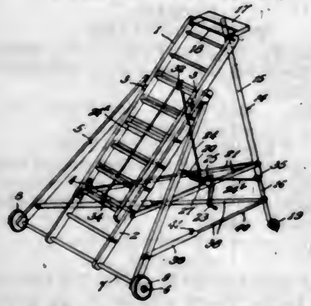
1. Weld filler material containing approximately 62% to 47% copper, 1% to 6% cadmium, silver in substantial amount not exceeding 10%, 0.01% to 0.5% silicon, remainder zinc.

2,186,118
APPARATUS FOR IMPREGNATING LOGS
Harry R. Madison, Seattle, Wash.
Application June 9, 1937, Serial No. 147,235
3 Claims. (Cl. 21—71)



1. Apparatus for simultaneous impregnation of two butted logs comprising a collar adapted to encircle the butted ends of both logs, to constitute a chamber for the reception of impregnating liquid, means to introduce impregnating liquid within such chamber, a threaded rod extending transversely of the logs, adjacent such chamber, a sleeve rotatable about one end of the rod, a cable doubled about said sleeve, one end of the cable encircling one log and the associated collar and then extending to the opposite end of the rod, the other end of the cable similarly encircling the other log and the collar, and then extending to the latter end of the rod, means on the rod to clamp the two ends of the cable, and cooperative means to move the clamp and sleeve apart lengthwise of the rod, to separate the doubled back portion of the cable and the clamped ends thereof, to draw the cable tightly and with substantially uniform tension about both logs and the collar, to seal the chamber, said cooperative means including a member secureable in fixed position upon the rod and cooperating with one of the clamp and the sleeve, and a nut threaded upon the rod and engaging the other.

2,186,119
LADDER
Clarence Moen, Spokane, Wash.
Application January 23, 1939, Serial No. 252,472
6 Claims. (Cl. 228—15)



1. In a ladder construction, upper and lower ladder sections, the upper ladder section being slidable longitudinally of the lower ladder section, a rear prop having an upper section pivoted at its upper end to the upper ladder section and a lower section telescoping into its upper section, a brace extending between the lower ladder section and the upper section of the rear prop, a windlass carried by said brace, and a cable having its intermediate portion wound about said windlass and its end portions extending from the windlass and connected to the upper sections of the ladder and the rear prop for shifting the same vertically when the windlass is turned.

2,186,120
SANITARY MULTIPLE HOUSING FOR SMALL ANIMALS
Bernard L. Oser, Forest Hills, N. Y.
Application September 13, 1937, Serial No. 163,599
4 Claims. (Cl. 119—17)

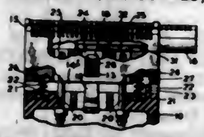


1. In animal husbandry a sanitary rack for supporting a battery of cages, comprising in combination: a pair of rods mounted on risers, a platform beneath said rods for retaining a web of material to catch the droppings from the cages, clamping means for keeping the web stationary, and a pair of rods extending upwardly from one of the end risers for supporting a supply roll of the aforesaid web material.

2,186,121
PROCESS OF FINISHING FABRIC
Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 17, 1937, Serial No. 164,309
4 Claims. (Cl. 26—1)

1. In a process for the production of a fabric, comprising organic derivative of cellulose fiber and animal fiber, having a good hand, the steps of subjecting a fabric to wet-finishing operations and finally subjecting the fabric containing 120 to 200% based on the weight of the fabric, of moisture to tenter-drying.

2,186,122
INNER CUTTER DETACHING DEVICE FOR DRY SHAVERS
James H. Rand, Jr., Stamford, Conn., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 17, 1937, Serial No. 174,982
3 Claims. (Cl. 30—43)



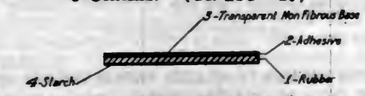
1. A dry shaver of the type described including a motor casing, a fixed shearing head having an inner cutter reciprocally mounted therein, means for detachably securing said shearing head to the motor casing, spring members between the motor casing and the shearing head, a corresponding number of pockets in the motor casing and of inverted pockets on the base of said shearing head to detachably confine said spring members, a rectangular cut-out on said shearing head into which said securing means extends, said cut-out defining stop means for permitting limited longitudinal movement of said shearing head, thereby affording means for detaching only said inner cutter therefrom.

2,186,123
ILLUMINATING SYSTEM
Kurt Räntsch, Jena, and Ludwig Bertele, Hans Sauer, and Alfred Merz, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 21, 1938, Serial No. 191,818
In Germany January 27, 1937
10 Claims. (Cl. 88—24)



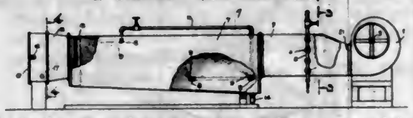
1. An illuminating system for projectors comprising in combination a source of light, a picture window to be illuminated thereby, optical means for causing the rays of light emanating from said source to converge in direction towards the picture window, and lens screens spaced from each other between said source of light and said picture window, one of said screens having lenses of such focal length and being spaced from said source of light and from another lens screen to project an image of said source of light from each of its lenses into each corresponding lens of said other screen, and the other screen having lenses of such focal length and being spaced from the plane of the picture window to project by means of each of its lenses images of the lenses of the first named lens screen into the plane of the picture window in registration with each other, whereby within the plane of the picture window as many registering images of the source of light are produced as there are lenses on said first named screen.

2,186,124
LAMINATED STRUCTURE AND METHOD FOR MAKING THE SAME
John Webb Rash, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 12, 1936, Serial No. 100,419
6 Claims. (Cl. 154—40)



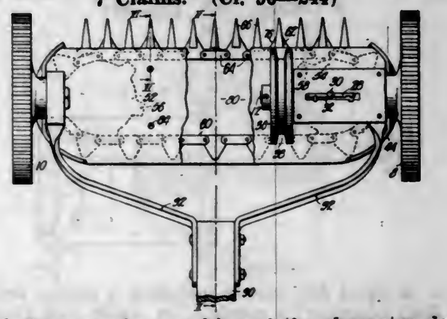
1. Process of preparing a flexible laminated sheet material which comprises applying a thin film of a nitrocellulose ink to a smooth transparent base material, applying thereto a film of a composition containing polymerized isobutylene and rosin, and subsequently applying a substantial layer of filled, uncured rubber composition.

2,186,125
DUST ELIMINATION
Samuel B. Roberts, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application November 13, 1937, Serial No. 174,290
1 Claim. (Cl. 183—22)



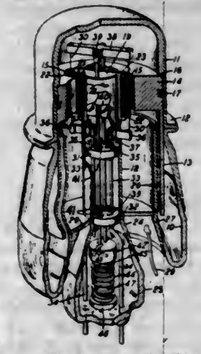
A device for cleaning air of dust comprising a conduit composed of a plurality of sections, means for forcing air into said conduit, means in one section of said conduit for supplying water vapor to the air, a plurality of spaced sprays of cold water in a second section of said conduit directed substantially in the direction of travel of the air and adapted to cause the water vapor to be precipitated on the dust particles in the form of fog and the fog to be washed from the air, baffle plates in one end of said second section for removing moisture from the air leaving said second section, one of said sprays being directed on to said baffle plates for cooling and cleaning the same, and means in a third section of said conduit for adding steam to the air to regulate the moisture content thereof.

2,186,126
MOWING MACHINE
Walter H. Roll, Linden, N. J.
Application October 8, 1937, Serial No. 167,883
7 Claims. (Cl. 56—244)



1. In a mowing machine of the character described having a pair of supporting wheels adapted to roll over a supporting surface, a stub shaft carried by each wheel respectively, and a bearing block on each stub shaft; a horizontal hanger plate carried by the bearing blocks for vertical adjustment toward and from the supporting surface, a pair of sprocket wheels on the hanger plate; an endless chain cutter extending around the sprocket wheels; a series of slotted guard fingers formed on the hanger plate along one stretch of the cutter; a driven shaft engaging one of the sprocket wheels provided with a bevel gear and journaled in one of said bearing blocks; a bevel gear splined on the stub shaft adjacent to and above said driven shaft in mesh with the bevel gear on the driven shaft; and means for moving the bevel gear on the stub shaft to and from said meshed position.

2,186,127
ELECTRON DISCHARGE DEVICE
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1937, Serial No. 155,018
10 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an

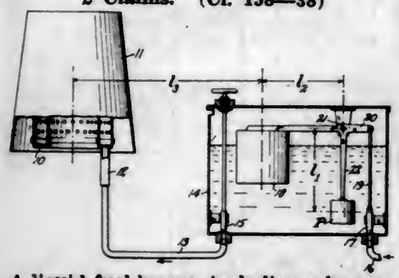
enclosing vessel, a cathode, an anode, a control electrode, a metallic member connected to said control electrode and mounted in juxtaposition to said anode to form a condenser therewith, and heat radiating means thermally connected to said metallic member and constituting a portion of said enclosing vessel.

2,186,128

LIQUID FUEL BURNER

Hugo M. Ulistrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application December 28, 1936, Serial No. 117,775
2 Claims. (Cl. 158—38)



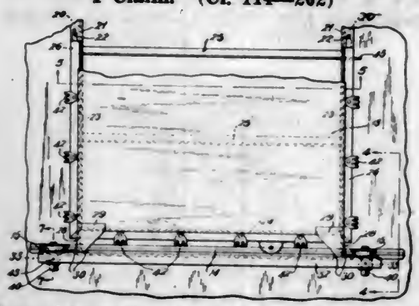
1. A liquid fuel burner including a burner well, a float chamber, a conduit for liquid fuel from said float chamber to said burner well, a supply of liquid fuel having a specific gravity s, a conduit for liquid fuel from said supply to said float chamber, a valve for controlling admission of liquid fuel to said chamber, a float of area f in said float chamber, the center of said float being a horizontal distance l_3 from the center of said burner well, a lever having one end connected to said float and the other end connected to said valve and pivoted intermediate its ends at a point a horizontal distance l_2 from the center of said float, and a pendulum rigidly attached to said lever, the product of the weight of said pendulum and the distance from its center of gravity to said pivot point being equal to the product of s, f, l_3, and l_2.

2,186,129

HATCH COVER AND ACTUATING MEANS

Egerton B. Williams, Cleveland, Ohio, assignor to The American Ship Building Company, Cleveland, Ohio, a corporation of New Jersey

Application May 26, 1938, Serial No. 210,128
1 Claim. (Cl. 114—202)



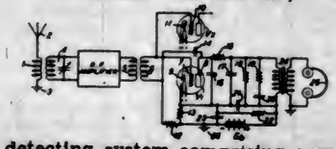
In a ship having a deck and a series of longitudinally spaced hatch openings of elongated quadrangular form and extend ng transverse y of the ship, coamings around said openings, a track comprising rails on said deck extending longitudinally of the ship past the ends of the hatch openings, elongated quadrangular covers adapted to seat on said coamings for closing the hatch openings and each comprising a reinforced unitary metallic plate structure having brackets projecting laterally at the corners thereof and overhanging said rails, a channel-shaped bar extending along each end of the cover and connected with the corresponding pair of brackets, a pair of spaced bearings mounted in the recess of each channel-shaped bar, axle shafts journaled in said bearings and having portions projecting oppositely therefrom, the shaft portions projecting from one end of the bearings being eccentric and the shaft portions projecting from the opposite end being non-circular to provide for rotation of the shafts in said bearings, and wheels journaled on the eccentric shaft portions and operable on said rails.

2,186,130

DETECTING SYSTEM

William T. Wintringham, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 19, 1936, Serial No. 96,774
19 Claims. (Cl. 250—27)



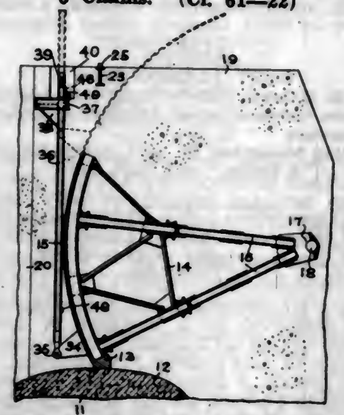
1. A detecting system comprising a space discharge device having a cathode, an anode and a control grid, a source of signal modulated carrier waves connected to the grid circuit of said space discharge device, means for biasing the grid to a negative potential sufficient to prevent the flow of grid current during normal operation, and a resistive load selectively coupled at signal frequencies both to the grid circuit and to the anode circuit in such relation to each that a change of potential across the load has compensatory effects upon said two circuits.

2,186,131

HYDRAULIC GATE OPERATING MECHANISM

Arthur Young, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application September 9, 1938. Serial No. 229,069
6 Claims. (Cl. 61—22)



1. The combination with a structure having an opening with vertical side walls, a rotatable gate for closing said opening, a vertically disposed arm pivotally connected at each end of said gate, a bracket projecting from each side wall, said arm projecting through said bracket, means engageable with said arms for raising and lowering the gate, and means carried by said brackets for engaging said arms when the arms have been raised a predetermined distance for retaining the gate in raised position.

2,186,132

SULPHONATED TERPENYL ALKYL PHENOLS

Robert Zink, Bridgeville, Pa., assignor to American Cyanamid & Chemical Corp., New York, N. Y., a corporation of Delaware

No Drawing. Application June 26, 1937, Serial No. 150,542
7 Claims. (Cl. 260—512)
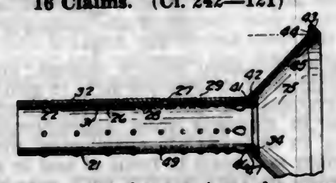
1. Sulphonated condensation products of terpenes with alkyl phenols containing at least one alkyl group of 4 to 8 carbon atoms, said products in the form of their alkali metal salts being white to brown powders stable and soluble in water, dilute alkalies and acids and characterized by high wetting power in acid, neutral and alkaline solutions.

2,186,133

SPOOL AND TUBE APPLICABLE THERETO

Edward T. Allan, Cincinnati, Ohio

Application December 14, 1936, Serial No. 115,749
16 Claims. (Cl. 242—121)



1. A single head take-apart spool comprising a tube and a head respectively having wound material engaging portions thereon coacting to hold the wound material on the spool, said tube and said head being assembled and separable by endwise movements between said tube and said head in manner that said wound material engaging portions are moved past one another in opposite directions lengthwise of said tube, and said tube and said head provided with normally coacting permanent relatively releasable shoulders extending transversely to the axis of said tube and coacting and relatively impassable upon assembling of said tube and said head by relative longitudinal movement therebetween in one of said directions and for disassembling thereof as a separate tube and a separate head by relative longitudinal movement therebetween in the opposite of said directions.

2,186,134

PRESERVATIVE COMPOSITION

Alfred Dale Chapman, Chicago, Ill., and Ralph Melvin Lindgren, St. Paul, Minn., assignors to A. D. Chapman & Company, Inc., Chicago, Ill., a corporation of Illinois

No Drawing. Application July 7, 1938, Serial No. 217,918
1 Claim. (Cl. 134—78.6)

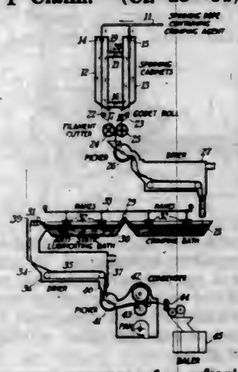
A composition for use in the preservation of cellulosic materials from decay, stain and mold fungi, and insects, which comprises a water soluble mixture of a halogenated phenolic compound selected from the group consisting of alkali metal salts of tetrachlorophenol and pentachlorophenol, and an alkali metal borate, the ratio of alkali metal salt of the halogenated phenolic compound to the alkali metal borate being approximately that of 1 to 1.5.

2,186,135

CONTINUOUS PROCESS FOR THE MANUFACTURE OF CELLULOSE DERIVATIVE CUT STAPLE YARN

Henry R. Childs, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 3, 1936, Serial No. 114,079
1 Claim. (Cl. 18—54)



The continuous process of producing a uniform blend of cellulose organic derivative cut staple fibers containing a plurality of deniers of fibers all having crimped, kinky and woolly appearance and a resiliency and other physical characteristics closely simulating natural wool, which comprises extruding in the form of filaments a cellulose organic derivative dope containing a crimping agent selected from the group consisting of high boiling solvents, semi-solvents and plasticizers, through a plurality of spinnerettes, a given one of which is adapted to produce filaments of different denier from the others, removing solvent from the filaments, cutting them into staple lengths, drying the staple fibers to remove traces of residual solvent, treating the fibers first in a crimp-inducing bath composed of a cellulose derivative non-solvent selected from the group consisting of water, ethers and chlorinated hydrocarbons, while the fibers are in an open, heterogeneously disposed condition and then in an anti-static bath containing an anti-static agent selected from the group consisting of the amine salts of sulphated aliphatic alcohols containing at least 10 carbon atoms and the salts formed by the interaction of an organic base selected from the group consisting of the alkylamines, the substituted alkylamines, the alicyclic amines, the alkylolamines, and the amines containing an ether linkage, with a compound selected from the group consisting of the aromatic sulfonic acids, the organic acids containing a cyclic ether residue and the organic acids containing an open chain ether residue, and thereafter drying the crimped staple product.

2,186,136

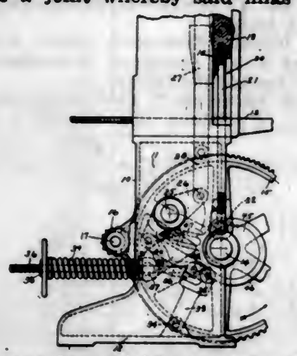
PAPER CLAMP

Walter C. Eickman, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application March 26, 1935, Serial No. 13,081
Renewed January 30, 1939
21 Claims. (Cl. 164—54)

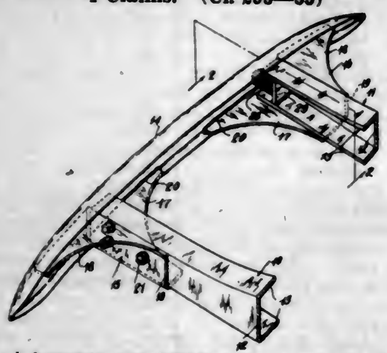
1. In a paper cutting machine, a movable clamping member, a toggle joint, one strut where-

of is pivoted at a fixed point, the other strut being connected to one end of a lever of the first class, a rock-shaft carrying a rigidly attached arm, a pair of links connecting the end of said arm to the other end of said lever, an operating shaft carrying an eccentric, the strap whereof is connected to a joint whereby said links are con-



nected, a second arm rigidly secured to said rock-shaft and operably connected to said clamping member, and a spring, one end of which is anchored to a fixed point, the other end being attached to the knee of said toggle in such a manner that the stress of the spring tends to straighten the knee.

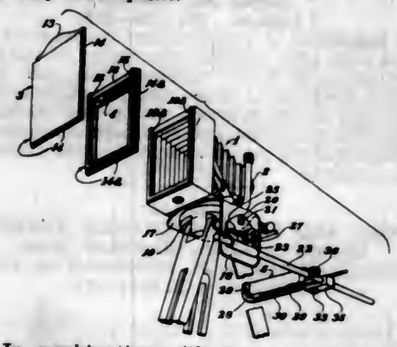
2,186,137
VEHICLE BUMPER
Calvin L. Halladay, Jackson, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 4, 1937, Serial No. 178,117
4 Claims. (Cl. 293—55)



1. A bumper construction for a vehicle having spaced longitudinal frame members of channel-like cross-sectional shape, comprising an impact bar, and a pair of brackets connected with the bar at spaced points and adapted to engage said frame members for mounting the bumper thereon, said brackets each having angularly disposed web portions engageable with at least two angularly disposed faces of one of said frame members whereby the bumper is retained against vertical and lateral relative shifting.

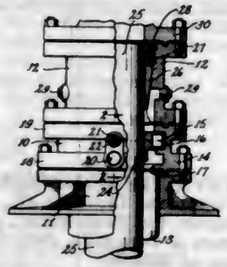
2,186,138
PHOTOGRAPHY
Kenneth L. Henderson, Rochester, N. Y.
Application June 3, 1937, Serial No. 146,233
13 Claims. (Cl. 95—2)

1. The method of making a photographic reproduction of a desired range of intensities from a photographic negative which comprises exposing a photosensitive strip to the subject to be photographed, simultaneously photographing on said strip along with the image of the subject, an image of an approximately white object exposed through a graduated scale located in adjacent substantial parallel relation with said strip, said scale comprising tone areas progressively varying from approximate transparency to approximate opaqueness, developing said photographed strip to provide a negative, printing a positive from said negative, and developing said positive, the printing of said positive being effected so that a given tone in the printed image of the scale on the positive bears a definite intensity relation to a corresponding tone in a previously made print.



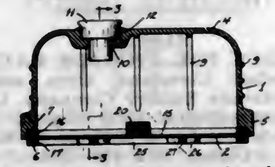
5. In combination with a camera, means for supporting a photosensitive strip in said camera, and a graduated gray tone scale comprising areas varying in intensity from approximate transparency to approximate opaqueness, means for supporting said scale in front of and in adjacent substantial parallel relation with respect to one margin of said strip, and means supported in a position outside of said camera for transmitting a band of light of substantially uniform intensity through said scale to said strip.

2,186,139
SAFETY CASING HEAD
Frederic W. Hild, Los Angeles, Calif.
Application January 9, 1937, Serial No. 119,796
10 Claims. (Cl. 166—14)



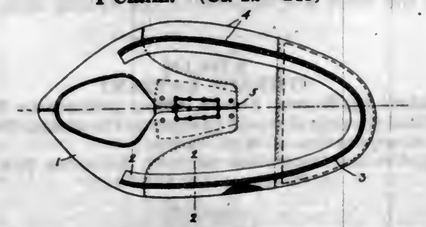
1. In a casing head assembly for permanently holding an outer casing and an inner casing in suspension and adapted to receive a temporarily superimposed drilling control column, through which the inner casing is adapted to be passed, a casing head for the inner casing, a hollow inflatable packer in the casing head, the inner face of the packer having a normal relaxed diameter substantially that of the outer casing and adapted to be moved into seal with the inner casing for closing the intercasing space prior to the securing of said inner casing to the upper casing head, said packer being adapted to maintain said seal during the lowering and cementing of the inner casing, means for inflating said packer, supporting means for the inner casing above said packer and a second packer above said supporting means sealing between the casing head and the inner casing.

2,186,140
CLEANER
Leonard J. Kurtz, Cleveland, Ohio
Application January 12, 1938, Serial No. 184,575
8 Claims. (Cl. 15—136)



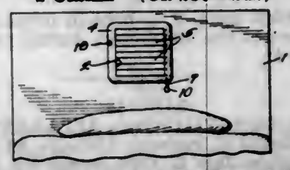
1. An applicator pad for a cleaning device of the class described, comprising a single piece of rubber having marginal portions adapted to secure the pad to a holder, a relatively thin and readily flexible web with a dispenser slit through it operable to release fluid only upon a predetermined degree of flexure of the web, and ribs in spaced relation to each other and projecting from one face of the web, said ribs being of substantially rectangular cross section and at least as wide as they are high and having relatively sharp outer corners and adjacent flat surfaces all in approximately the same plane for rubbing contact with the work, said ribs being flexibly supported by the web, whereby to present their edges in cutting and wiping contact with such work surface.

2,186,141
METHOD OF PREPARING PREWELT SHOE UPPERS
Euclid I. La Chapelle, Brockton, Mass.
Application August 4, 1939, Serial No. 288,402
1 Claim. (Cl. 12—145)



That method of preparing a prewelt shoe upper for the pulling over and side lasting operations, which consists in providing a shoe upper having a vamp portion; in providing a welt and in locating and securing the welt to the great toe side of the vamp higher up towards the plane of the throat of the vamp than at the little toe side of the vamp, to such an extent, relatively to the location of the welt at the little toe side of the vamp, that practically all the strain may be applied to the great toe side of the vamp in the performance of the pulling over operation at the sides of the vamp and in the performance of the side lasting operation; in providing a last; in assembling the prepared prewelt shoe upper on the last and in then performing the pulling over operation upon the assembled shoe upper by firstly pulling over the vamp lengthwise of the last; by secondly pulling over and holding in pulled over condition on the last the little toe side of the vamp; by thirdly pulling over and thereby straining the great toe side of the vamp from the already pulled over and held in pulled over condition little toe side of the vamp and by applying fasteners to hold the vamp in pulled over condition on the last.

2,186,142
FURNITURE
Harry L. Lieberman, Chicago, Ill.
Application March 20, 1939, Serial No. 262,813
1 Claim. (Cl. 230—242)



In an unenclosed bed, a headboard thereon extending upwardly above the head of the occupant, a centrally disposed opening in the headboard, an electric fan mounted upon the back of the headboard to force a current of air through said opening, and adjustable means mounted on the front of the headboard to positively direct the flow of air from the fan after it passes through the opening in the headboard.

2,186,143
ILLUMINATOR
Edwin A. Neugass, New York, N. Y.
Application March 9, 1939, Serial No. 260,875
6 Claims. (Cl. 128—16)

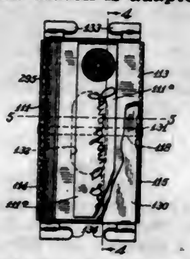


1. A light applicator comprising a body formed of one integral piece of organic plastic material capable of transmitting light from end to end thereof, said body having an attaching portion at one end thereof and having the opposite end portion extending laterally therefrom at an angle to the attaching portion and joined thereto by a substantially tapered section, said body having a longitudinal flattened side substantially adjacent the tapered section of the body and extending along the lateral portion forming an outer face thereon.

2,186,144
PRINTING APPARATUS
Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Original application January 25, 1934, Serial No. 708,279. Divided and this application January 15, 1937, Serial No. 120,723
8 Claims. (Cl. 101—332)

1. A printing device for use on a rotary operating element to advance and print on a sheet, comprising an arcuate holder having characters thereon adapted for cooperation with an inking ribbon to print data upon the sheet during operation of said element, and a plurality of spaced parts on the holder at each side thereof and each extending in the direction of the opposite side

of the holder and terminating short thereof and beneath which the ribbon is adapted to operate



and by which parts it is held in proper relation with respect to the characters during rotation of said element.

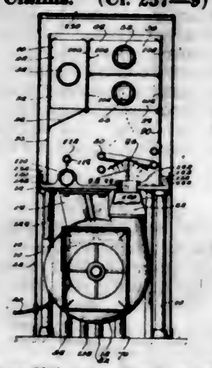
2,186,145

AIR CONDITIONING APPARATUS

Deane E. Perham, Chicago, Ill.

Application July 6, 1936, Serial No. 89,148

32 Claims. (Cl. 257—9)



1. In an air conditioning unit of the class described, the combination of a frame, a cooling element mounted thereon, a heating element mounted on said frame, a fan for forcing air over said elements, a plate separating said elements, an apron above each element, a sliding damper carried by each apron and coacting with said plate to regulate the flow of air over the corresponding element, and an independent adjustment for each damper.

17. In mechanism of the class described, the combination of an evaporating plate, supporting means therefor, means for supplying moisture and heat to said plate, air-circulating means carried by said plate, and heat-exchanging means carried by said plate.

2,186,146

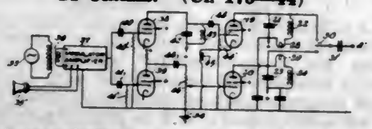
SIDE BAND SUPPRESSION SYSTEM

Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, a corporation of New York

Application September 8, 1938, Serial No. 228,923

In Poland March 8, 1938

14 Claims. (Cl. 178—44)



13. A translation system for modulated signal energy comprising a pair of transmitting circuits, means for feeding portions of the energy to be translated to said circuits, one of said circuits adapted to maintain the time phase position of the individual frequency components of the energy transmitted substantially constant and the other circuit adapted to effect a phase shift in opposite directions for the upper and lower side band frequencies, respectively, of the components of like frequency of the energy being transmitted therethrough, a pair of resonant circuits tuned to the carrier frequency and connected each to the output of one of said transmitting circuits, mutual reactive coupling means between said resonant circuits, and an output circuit connected to at least one of said resonant circuits.

2,186,147

COVER LOCK FOR STORAGE BATTERIES

Leo E. Pucher, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application September 4, 1937, Serial No. 162,497

1 Claim. (Cl. 136—170)



A storage battery comprising a case having a cover ledge beneath the top thereof and having ribs formed on its inner wall and terminating a predetermined distance above the cover ledge, a cover having a skirt portion with a lower marginal flange resting upon the ledge, the flange having notches to permit the cover to be lowered into the upper part of the battery case past said ribs, a cover lock in the form of a strip resting on and extending lengthwise of the cover flange and having portions lying between the latter and the lower ends of said ribs, said strip having notches corresponding in width and spacing to the ribs whereby the strip may be inserted from the top of the battery over the ribs down onto the flange and then slid endwise under the ribs until the notches are out of register with the ribs, and sealing compound filling the space between the upper part of the case and the skirt portion of the cover and embedding the locking strip.

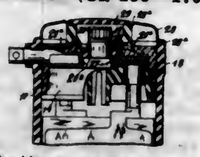
2,186,148

STORAGE BATTERY

Robert M. Raney, Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application September 14, 1937, Serial No. 163,756

3 Claims. (Cl. 136—170)



3. A storage battery comprising a case having compartments for a plurality of cells, covers provided with upstanding tubular extensions fitted into the cell compartments below the top of the case, intercell and terminal connectors for the battery, the covers and connectors except the ends of the terminal connectors being covered with sealing compound, a holddown member in the form of a receptacle extending crosswise of the cells, said holddown member having openings through which said tubular extensions of the covers project, and an upper auxiliary cover for the case engaging the holddown member so as to maintain the latter in holddown relation to the covers, said auxiliary cover being in two parts one having an opening substantially coextensive with the holddown member and the other closing said opening.

2,186,149

TERMINAL POST SEAL FOR BATTERIES

Robert M. Raney, Euclid, and Frank Altmayer, Cleveland, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application September 4, 1937, Serial No. 162,496

3 Claims. (Cl. 136—181)



1. A battery having a terminal post with an upper portion adapted to be engaged by a terminal clamp, and a seal surrounding said portion of the post, said seal comprising a sleeve of non-elastic material shrunk onto said portion of the post and a sleeve retainer applied to the post and located between the latter and the sleeve, said retainer engaging the post in biting relation therewith and held from movement lengthwise thereof while it is covered by the sleeve and in turn preventing the sleeve from being moved lengthwise of the post, said retainer being removable from the post after the sleeve has been destroyed and removed, after which the terminal clamp may be applied.

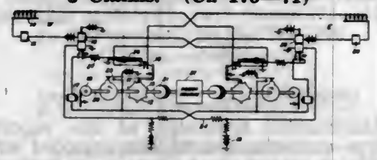
2,186,150

REGENERATIVE REPEATER

Wilton T. Rea, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 3, 1938, Serial No. 193,643

3 Claims. (Cl. 178—71)



1. A signal repeating device comprising a condenser type relay comprising crystal elements interleaved with conducting elements responsive only to potential changes and requiring for its operation only that amount of energy measured by the charging current of a small condenser, said relay being responsive to incoming signals and operating to transmit corresponding outgoing signals and mechanical timing means cooperating with said relay for locking the armature of said relay in either its operated or its released position after the response to each incoming signal for a period of time corresponding to the normal length of a signal whereby said transmitted signals will be of normal length regardless of the distortion in length of said incoming signals.

2,186,151

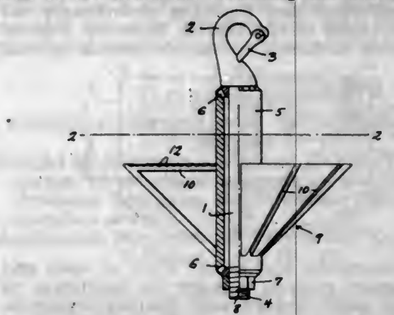
SUCKER ROD RACK

Roy Albert Roberts, Bakersfield, Calif.

Application May 11, 1939, Serial No. 273,141

1 Claim. (Cl. 211—70)

A sucker rod rack comprising a vertical shaft, a suspension hook on the upper end of said shaft, anti-friction bearings on the upper and lower portions of the shaft, a barrel journaled on said bearings, a nut threaded on the lower end portion of the shaft for retaining the bearings and



the barrel in position on said shaft, and a substantially conical, hollow metallic support fixed on the barrel and having a plurality of radial slots therein for the reception of sucker rods.

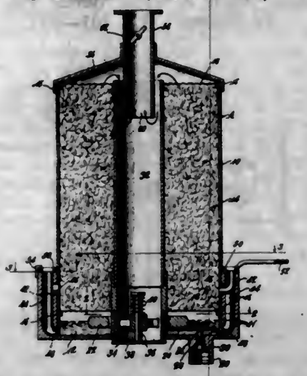
2,186,152

VAPORIZING DEVICE

John H. Seitz, Woodhaven, N. Y., assignor of one-half to Joseph Fuhringer, Lake Ronkonkoma, N. Y.

Application June 17, 1938, Serial No. 214,365

6 Claims. (Cl. 261—94)



1. A vaporizing device comprising, a housing forming at one end a vaporizing chamber and at its other end a liquid chamber in open communication with said vaporizing chamber, a flue disposed internally of said housing and extending through said vaporizing and liquid chambers, one end of said flue communicating with the outlet end of said vaporizing chamber, a vapor exit tube telescopically arranged in said end of said flue whereby to provide a reversely curved flow path for the exiting vapors and a pressure release valve disposed in the opposite end of said flue.

2,186,153

SHAFT BEARING

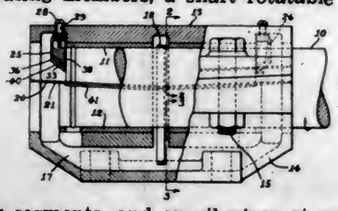
Stephen A. Staege, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio

Application February 11, 1938, Serial No. 189,934

13 Claims. (Cl. 308—36.5)

13. In a construction of the character described, in combination, a lower housing member having a bearing sleeve, and an upper housing

member having an upper bearing segment, said housing members respectively having upwardly and downwardly facing surfaces extending outwardly away from the sleeve segments at an upward inclination and inclining downwardly toward the center of the bearing from the ends of the housing members, a shaft rotatable in said



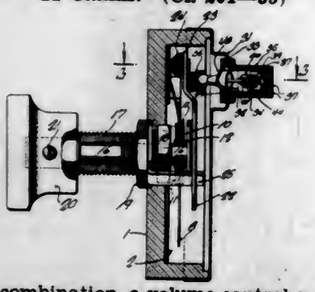
bearing segments, and an oil wiper at each end of said upper housing member for returning oil along the shaft toward said bearing segments, said wipers having oil wiping edges which extend outwardly to points beyond the end of the lower bearing segment and which extend inwardly of the ends of the lower bearing segment.

2,186,154

COMBINED VARIABLE RESISTANCE AND SWITCH FOR USE WITH RADIO RECEIVERS

Erwin R. Stoekle, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application April 2, 1932, Serial No. 602,855
11 Claims. (Cl. 201—55)



5. In combination, a volume control comprising a circular resistance, a contact arm for varying said resistance, a rotatable actuator shaft on which said contact arm is mounted, a projecting pin eccentrically mounted on said shaft, a casing enclosing said volume control, an aperture in said casing, an auxiliary recessed casing closing said aperture, a snap-switch contained in said auxiliary casing, and an actuating arm for said snap switch operable by said projecting pin at one extreme of its cycle.

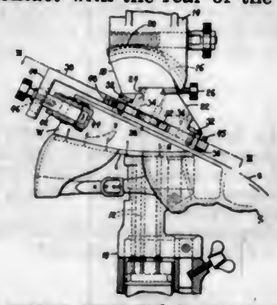
2,186,155

MACHINE FOR NAILING SHOE BOTTOMS

Louis P. Tremblay, Lewiston, Maine, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 22, 1938, Serial No. 203,629
12 Claims. (Cl. 1—19)

1. In a machine for nailing wedge-portions to shoes, a shoe-support, a member co-operating with the support and contacting with the bottom of a supported shoe to exert pressure upon the tread-surface of the wedge-portion, means for moving the support and pressure member relatively to clamp together the wedge-portion and shoe, a member mounted upon the pressure member for contact with the rear of the wedge-portion, and means arranged to retain the contact member in different positions upon the pressure member.

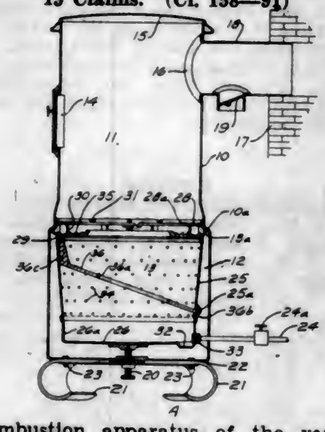


2,186,156

COMBUSTION APPARATUS

Ben Valjean, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application April 14, 1939, Serial No. 267,811
15 Claims. (Cl. 158—91)



1. Combustion apparatus of the vaporizing pot type comprising a burner provided with a plurality of spaced apart primary air inlet openings, a bottom wall for the burner, fuel supply means for delivering a quantity of liquid fuel to a section of the burner bottom wall constituting a vaporizing zone, said vaporizing zone being located below and adjacent certain of said primary air inlet openings, and baffle means positioned within the burner in an inclined position with the lower edge thereof disposed adjacent the bottom of the burner in vertical alignment with the vaporizing zone, the upper edge of the baffle means being substantially removed from the bottom of the burner, said baffle means being constructed and arranged to provide for restricted communication between the lower and upper portions of the burner.

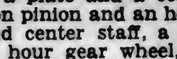
2,186,157

METHOD AND DEVICE FOR THE MANUFACTURING OF SOUND FILMS

Jacques Oscar van Leer, Wassenaar, Netherlands

Application January 18, 1936, Serial No. 59,764
In the Netherlands August 23, 1935
16 Claims. (Cl. 178—100.3)

1. A method of optical sound registration whereby the blackening is determined by the light falling upon it, comprising throwing a spectrum on a film through a slit while said spectrum is moved in accordance with the sound



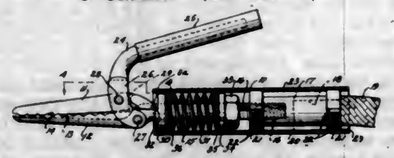
being recorded whereby the wave-length of said light varies in accordance with the sound being recorded whereas the film has a sensibility which is a function of said wave length.

2,186,158

ELECTRODE HOLDER

Lloyd W. Weeks, Inglewood, Calif., assignor of one-fourth to Charles F. Briscoe and one-fourth to Fred Nelson, Los Angeles, Calif.

Application May 24, 1938, Serial No. 209,681
6 Claims. (Cl. 219—8)



1. In an electrode holder of the character described, the combination comprising a hollow handle, a pair of jaws extending forwardly of the handle and adapted to be spread apart laterally of the handle axis, means for passing electric current through the handle to one of said jaws, means within the handle for closing one of the jaws against the other, and a lever pivotally attached to one of the jaws and extending transversely across the other jaw, said lever being movable in the plane of the handle to spread the jaws.

2,186,159

WATCH MOVEMENT

Hans Aeberhardt, Bienne, Switzerland

Application March 17, 1937, Serial No. 131,527
In Switzerland March 21, 1936
4 Claims. (Cl. 58—58)



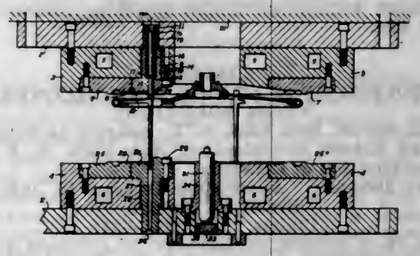
3. In a movement for calendar watches, the combination of a plate and a center staff fast thereto, a cannon pinion and an hour gear wheel mounted on said center staff, a cannon sleeve carried by said hour gear wheel, a pinion arranged to be the driving member of the watch movement, a staff held in said driving pinion, an upper pinion and a minute gear wheel both fast to said driving pinion, said upper pinion being in mesh with said hour gear wheel and said minute gear wheel being in mesh with the cannon pinion, a lower pinion fast to said driving pinion, a calendar driving gear wheel, a staff for said calendar driving gear wheel, a small and a large pinion fast to said calendar driving gear wheel, an idler gear wheel, serving also for the time setting, pivoted to the plate and in mesh with said lower pinion of the driving pinion and said calendar driving gear wheel, a calendar wheel staff eccentrically positioned relative to said driving pinion staff and located at the same distance from the staff of the calendar driving gear wheel as the distance between the staff of said calendar driving gear wheel and the center staff, a weekdays' gear wheel in mesh with said large pinion and mounted on said calendar wheel staff, a sleeve carried by said weekdays' gear wheel, said cannon sleeve of the hour wheel and the sleeve of said weekdays' gear wheel forming mounts for a months' date gear wheel, and a months' date gear wheel in mesh with said small pinion and mounted on one of said mounts.

2,186,160

EJECTING MEANS FOR THERMOPLASTIC MOLDS

Dwight M. Anderson, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio

Application November 13, 1936, Serial No. 110,569
8 Claims. (Cl. 18—42)



1. A mold having separable sections with recesses in the engaging faces defining a cavity, a sprue passage in one of said mold sections substantially normal to the plane of the engaging face, gate means connecting the sprue passage and cavity for admitting material to be molded into the cavity, said gate means lying along the parting line of the mold sections, a bore in the other mold section substantially aligned with said sprue passage and opening into the engaging face of the said other mold section, a retractable article ejecting pin mounted for axial movement in said bore, an operating end on the pin adjacent the bore opening, said pin being movable into a retracted position in the bore wherein the operating end of the pin is positioned inwardly of said bore from the engaging face, and into an extended position wherein said end portion of the pin is disposed beyond the engaging face of the associated mold section, said pin having a portion exposed to material admitted into the bore and configured so that the material molds onto the pin for tying the material to the pin for movement therewith in opposite directions relative to both mold sections, whereby material initially entering the sprue passage enters said bore and therein molds into intimate contact with the end portion of the retracted pin and is thereby attached to the pin for movement therewith.

2,186,161

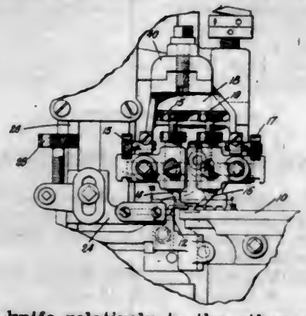
METHOD OF AND APPARATUS FOR FITTING SOLES

Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 28, 1938, Serial No. 216,320
7 Claims. (Cl. 12—27)

3. A channeling machine having in combination, a feather forming knife and a lip forming knife arranged to cut into the margin of a sole and sever therefrom a strip of material to form a feather and a lip spaced from one another by the groove defined by the severed strip, means

for gaging the lip forming knife from one face of the sole, and means for gaging the feather

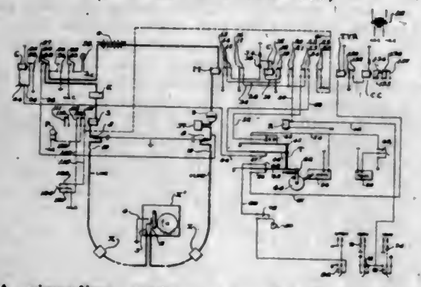


forming knife relatively to the other surface of the sole.

2,186,162
PROCESS OF GLUTAMIC ACID RECOVERY FROM SOLUTIONS
Géza Braun, New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application October 15, 1936, Serial No. 105,829
5 Claims. (Cl. 260—534)

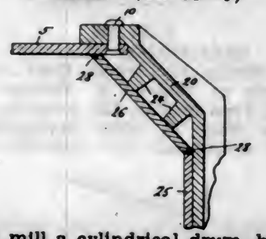
1. In a process of recovery of glutamic acid from a solution containing the same, the step which comprises precipitating glutamic acid from the solution by the addition of ammonium formate.

2,186,163
FIRE ALARM SYSTEM
Frank R. Bridges, Needham, and Foster E. Weld, Newton, Mass., assignors to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts
Application July 3, 1936, Serial No. 88,800
1 Claim. (Cl. 177—367)



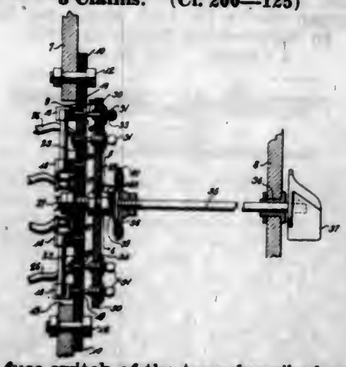
A signaling system comprising a normally closed signaling circuit including a source of energy and a plurality of signal formulating means having provision for making and breaking the circuit and also for signaling through the circuit and ground, a normally energized main relay in the circuit, a normally energized cut-off relay controlled by the main relay, a grounding relay having provision for conditioning the circuit for emergency ground signaling, a grounding relay circuit including normally open contacts of the main relay and cut-off relay in series, normally closed additional contacts in the grounding relay circuit, means for delaying de-energization of the cut-off relay following de-energization of the main relay, means for opening said additional contacts upon de-energization of the main relay and in the interval of delayed de-energization of the cut-off relay, and timing means for independently closing said additional contacts after a time greater than the longest open circuit interval of the formulating means.

2,186,164
MILL
Norman E. Brown, Wellsville, Ohio, assignor to The Stevenson Company, Wellsville, Ohio
Application December 30, 1937, Serial No. 182,602
1 Claim. (Cl. 83—9)



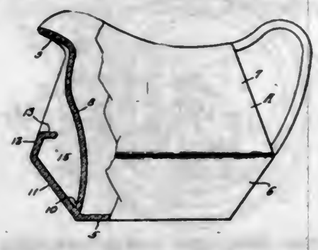
In a ball mill a cylindrical drum, head plates for the drum secured thereto at the respective opposite ends of the drum, and each of said head plates adjacent the marginal edge thereof being provided with an integral flange disposed at an obtuse angle to its respective head plate and to the peripheral wall of the drum, each of said head plates having reinforcing ribs on the inner side of its flange, and a lining element disposed within the confines of said flange and paralleling said flange, said liner element being welded at one edge thereof to the peripheral wall of the drum and at the other edge thereof to its respective head plate, as and for the purpose specified.

2,186,165
FUSE SWITCH
Oren C. Clough, Wilkes-Barre, Pa.
Application July 8, 1938, Serial No. 218,213
8 Claims. (Cl. 200—125)



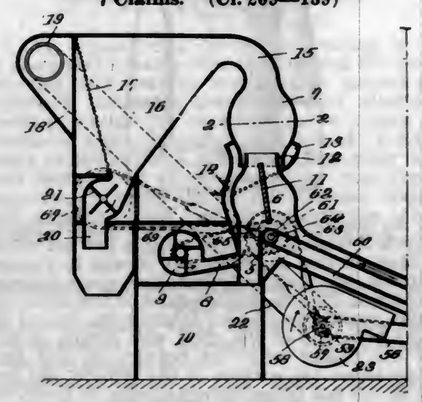
1. A fuse switch of the type described comprising a mounting panel, a plurality of radially arranged pairs of fuse mounts secured to one face of said panel, a fusible element carried by each pair of mounts, means for electrically connecting the pairs of mounts into separate groups with the pairs of mounts forming each group connected in parallel, a pair of circuit wires for each group, and a movable switch device having means for simultaneously connecting one pair of mounts and its fuse element of each group with their circuit wires and for changing said connections to another pair of mounts and its fusible element of each group in case one of the first-mentioned elements burns out.

2,186,166
PITCHER
Raymond F. Daniel, Champaign, Ill.
Application March 27, 1939, Serial No. 264,455
1 Claim. (Cl. 65—31)



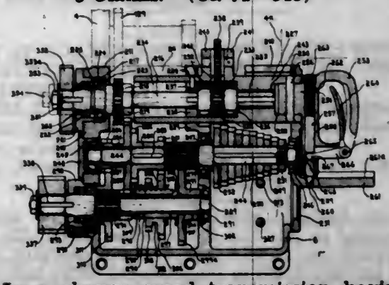
In a pitcher construction comprising a container wall, a lip at the upper portion of the wall, a pocket provided at the outside of the wall and underlying the lip, said wall being indented at its portion opposed to the pocket, said indented portion extending upwardly and gradually tapering to terminate at the overflowing edge of the said lip at the underside thereof.

2,186,167
SEPARATION APPARATUS
Erich Eissmann, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application July 16, 1935, Serial No. 31,703
In Germany August 30, 1934
7 Claims. (Cl. 209—139)



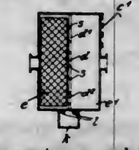
1. An apparatus for separating tobacco leaf and stem portions comprising an ascending classifying passage, a compressed air fan for producing an air current for driving the leaf portions upwardly in said passage, said passage having a discharge opening at the lower end thereof, for the heavier tobacco portions, such as the stem portions, a hopper with which the upper end of said passage communicates, a substantially upright separating screen located in said hopper, a suction passage communicating with said hopper at the rear of said screen, a sluice closure provided in said hopper, a suction fan operative in said suction passage and said suction fan being so regulated with respect to said compressed air fan that the compressed air current can raise the leaf portions just to a transition point between said classifying passage and said hopper while the suction air current extends to said transition point to engage such raised leaf portions.

2,186,168
FEED MECHANISM FOR LATHES
William F. Groene and Willard L. Groene, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application October 29, 1937, Serial No. 171,760
5 Claims. (Cl. 74—348)



1. In a change speed transmission having a cone of gears and a tumbler gear selectively engageable with said cone of gears, rotatable and axially movable means for supporting the tumbler gear, means for driving the tumbler gear, a spade handle for manipulating said supporting means and located substantially on the axis of rotation of said supporting means, a locking plunger adapted to hold the supporting means in selected position, and a trigger associated with said spade handle to render the locking plunger ineffective.

2,186,169
LOW TEMPERATURE CARBONIZING RETORT
Paul Hadamovsky, Berlin-Wilmersdorf, Germany
Application April 10, 1937, Serial No. 136,109
In Germany April 12, 1935
3 Claims. (Cl. 202—105)

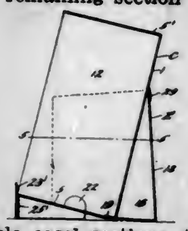


1. In a low-temperature carbonizing retort, a distilling chamber, a partition erected within said distilling chamber and formed of a pair of spaced parallel metal plates, a system of substantially parallel cross pieces mounted in the space between said plates and dividing said space into passages, said passages being adapted to be connected to a source of heated fluid, the outer surfaces of the outer walls of said distilling chamber being provided with a plurality of integrally formed conduit elements forming with said outer surfaces passages for the passage of fluid therethrough and adapted to be connected for the circulation of heated fluid therethrough, and a tar gutter on the lower face of said distilling chamber connected with the interior of said distilling chamber for receiving tar formed therein.

2,186,170
COMBINATION SHIPPING AND DISPLAY CONTAINER
Harry G. Hall, Atlanta, Ga.
Application April 30, 1937, Serial No. 140,027
5 Claims. (Cl. 206—44)

1. A container formed from a one-piece blank, comprising a bottom section and upwardly fold-

able side and end sections, foldable interlocking side sections carried by the end sections adapted to overlie said first mentioned side sections, a top section hingedly carried by one of the end sections, said top section being transversely perforated to effect a line of severance for a portion of said top, the remaining section being scored to



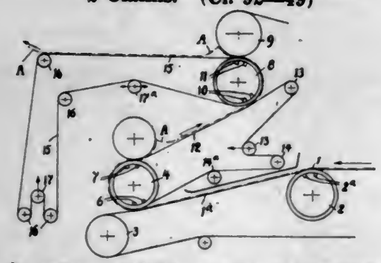
provide foldable easel sections, the end section connected to said top is formed adjacent its ends with slots, one of said easel sections carrying latch tabs for interlocking engagement with said slots to effect, when said easel sections are folded into superimposed relation, a base structure adapted to support the container in tilted display position.

2,186,171

PAPER MAKING MACHINE

William Huise Millspaugh, Sandusky, Ohio, assignor to Sandusky Foundry and Machine Co., Sandusky, Ohio, a corporation of Ohio

Application June 19, 1936, Serial No. 86,171
In Great Britain June 21, 1935
2 Claims. (Cl. 92—49)



1. A paper making machine comprising a Fourdrinier making wire, a first press comprising a lower suction roll and an upper smooth surfaced pressure roll, said suction roll having an upper suction box adjacent the bottom of the smooth surfaced pressure roll adapted for water removal, and an endless felt arranged to travel forwardly between the making wire and the suction roll and then upwardly and backwardly through the bite between the two rolls to present the wire side of a wet web of paper taken from said making wire directly to the smooth surfaced roll at the first press bite, a second press above and back of the first press and comprising an upper roll and a lower roll having a stationary lower suction box arranged to transfer the web from said endless felt after the web passes through the bite of the first press.

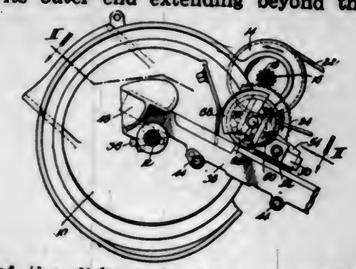
2,186,172

FASTENING INSERTING MACHINE

Arvid A. Molitor, Danvers, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application August 29, 1938, Serial No. 227,269
10 Claims. (Cl. 1—6)

1. A nail clearing device comprising a rotary disk having a slot extending from its edge face to a point inwardly of said edge face, a nail engaging finger having a sliding fit in said slot with its outer end extending beyond the edge



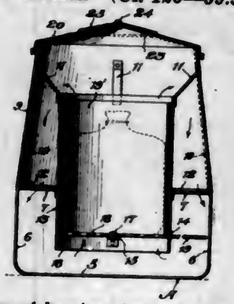
face of the disk, and means normally maintaining the finger in said position but permitting said finger to yield inwardly in said slot under pressure until the finger lies wholly within the edge face of said disk.

2,186,173

HEATER

Walter W. Owens, Glendale, Calif., assignor to Owens Smokeless Orchard Heater, Incorporated, Hollywood, Calif., a corporation of California

Application June 30, 1937, Serial No. 151,265
6 Claims. (Cl. 126—59.5)



5. An orchard heater, including a shell having an open bottom and a closed top, a fire pot within the shell having an open top, means to connect the pot to the shell to provide free space between the sides of the pot and the sides of the shell, and to also provide free space between the top of the pot and the top of the shell, and means to support the heater with the bottom of said shell spaced above the surface of the ground, the bottom of the pot being open whereby to freely receive the surrounding air through the space between the bottom thereof and the ground on which the heater is supported, whereby heat generated in the pot will flow upwardly therethrough, and be deflected downwardly by the closed top of the shell through the space between the sides of the shell and pot and will then flow outwardly from the lower end of the shell and beyond the sides of the shell.

2,186,174

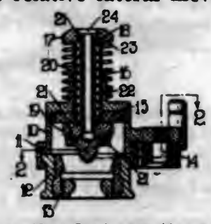
MEANS FOR FORMING GLASS BOTTLES, JARS, AND THE LIKE

Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York

Application September 15, 1936, Serial No. 100,944
In Great Britain November 21, 1935
2 Claims. (Cl. 49—18)

2. In a glass forming apparatus, a plunger

adapted to be moved into forming relationship with a mold, a hollow stem secured to the plunger, a movable guide element having a hollow stem surrounding the first mentioned stem, the respective diameters of said stems being such as to permit slight relative lateral movement, an en-
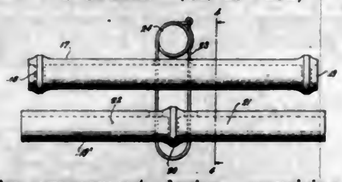


larged head on the first mentioned stem, an internal shoulder on the second mentioned stem engaging and supporting the head and resilient means acting between the shoulder and the plunger tending to effect relative movement therebetween.

2,186,175

AMUSEMENT DEVICE

John L. Prince, Birmingham, Ala.

Application June 28, 1938, Serial No. 216,354
4 Claims. (Cl. 46—191)



1. An amusement device comprising a pair of elongated tubular members, means for loosely securing said tubular members in spaced substantially parallel relationship, said means including positioning supports for a finger and thumb of a player, one of said tubular members being closed and the other of said tubular members being open at corresponding ends thereof whereby an open end of one tubular member will strike a closed end of the opposite tubular member upon vibration of said members.

2,186,176

METHOD OF DECORATING FABRICS AND THE LIKE

Walter Robinson, Long Island City, and Joseph Westemeyer, Jr., Bronx, N. Y., and Charles A. Borloz, Bergen, N. J.

Application April 1, 1938, Serial No. 199,350
4 Claims. (Cl. 41—17)



2. The herein described process of printing designs on textile fabrics which consists in producing a master pattern comprising a plurality of distinct arbitrary figures in the colors embodied in the finished design and covering said master pattern with a monotone outline pattern for producing the ground coloration outlining the design to be produced leaving the differently colored arbitrary figures of said master pattern within the outline unaffected and the areas outside thereof obliterated, the arbitrary figures of said master pattern having no fitting relationship with said outline pattern.

2,186,177

ART OF COATING METAL SURFACES WITH A WATER INSOLUBLE METALLIC PHOSPHATE

Gerald C. Romig, Melrose Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application August 30, 1939, Serial No. 292,543
6 Claims. (Cl. 143—6.5)

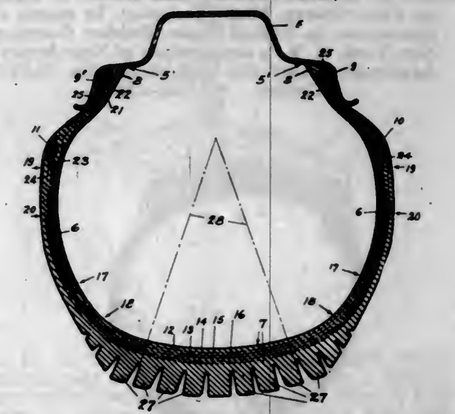
1. In the art of coating a ferrous metal surface by treating it with an aqueous acid phosphate coating solution where the said surface is first cleaned with an alkaline cleaning solution, the method which includes the step of rinsing the surface after said cleaning operation with an aqueous solution having an acidity within the range pH 4.2 to pH 6 before treating it with the said coating solution.

2,186,178

PNEUMATIC TIRE

Alvin H. Shoemaker, Seattle, Wash., assignor of one-half to Jacob George Smith, Seattle, Wash.

Application February 11, 1937, Serial No. 125,183
7 Claims. (Cl. 152—362)



1. In a pneumatic tire, a tire member having a tread portion, two side wall portions and two bead portions; substantially non-elastic bead rings embedded in said bead portions and extending continuously around the tire in said bead portions; other substantially non-elastic bead rings of larger diameter than said first mentioned bead rings embedded in said side wall portions outwardly from said bead portions in coaxial relation to said first named bead rings; and reinforcing plys embedded in said tire and connected with said bead rings.

2,186,179

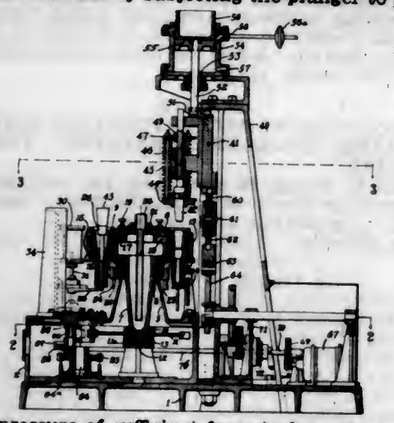
TUMBLER PRESS

Theodore H. Sloan, Charlerol, Pa., assignor to G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1936, Serial No. 86,144
12 Claims. (Cl. 49—37)

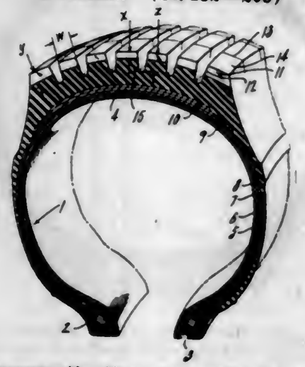
1. The method of making pressed tumblers which comprises charging a mold shaped to the

outer contour of the finished article with a supply of molten glass, forming the charge by a plunger shaped to the inner dimensions of the finished article by subjecting the plunger to posi-



tive pressure of sufficient force to form the ware, and controlling the plunger travel independently of the degree of pressure to subject it to a controlled downward movement.

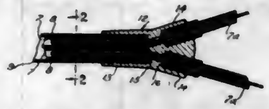
2,186,180
PNEUMATIC TIRE
Cheri M. Sloman, Detroit, and Elliott S. Ewart, St. Clair Shores, Mich., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 29, 1936, Serial No. 76,914
5 Claims. (Cl. 152—209)



1. A pneumatic tire comprising a carcass of strain resisting elements and a body of tread rubber composition, the road engaging surface of said tread composition being provided with grooves defining a plurality of antiskid projections, said projections being slit without the removal of substantially any of the rubber composition, said slits being deeper in the region of the shoulder portions than at the center portion of the tread.

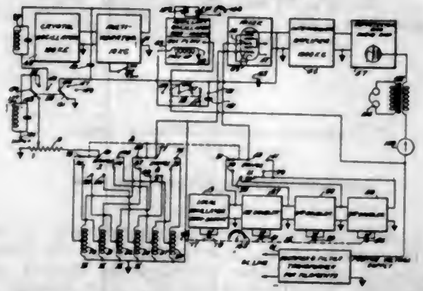
2,186,181
BOWDEN DEVICE BUNDLE
Gustav Steinlein, Mainberg, near Schweinfurt, Germany
Application February 8, 1938, Serial No. 189,421
In Germany February 18, 1937
3 Claims. (Cl. 74—501)

1. A Bowden device comprising a plurality of cables, sheaths enclosing said cables respectively, an outer casing uniting and enclosing said sheaths, and a branching member having a main tubular section and a pair of branch sections diverging therefrom and of smaller cross-sections,



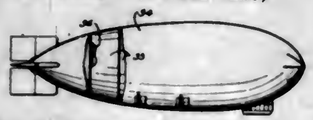
said main section enclosing an end portion of said casing, and presenting a shoulder at its inner end abutting the enclosed ends of said casing and said sheaths, and said cables passing through said branch sections respectively.

2,186,182
FREQUENCY MEASURING DEVICE
Arthur C. Stocker and Harold J. Schrader, Haddon Heights, and Ben W. Robins, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application January 8, 1938, Serial No. 183,968
5 Claims. (Cl. 250—39)



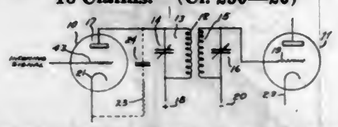
3. In a device for measuring radio frequency signals which comprises a multirange superheterodyne radio receiver whose local oscillator operates in a predetermined relation to signals in the lowest frequency range and which utilizes harmonics of said local oscillator for the higher frequency ranges, the method of operation which includes selecting the range of operation of said receiver which corresponds to the approximate frequency of the signal to be measured and thereby automatically selecting the harmonic of said local oscillator which is required to produce an approximate intermediate frequency signal, accurately adjusting said local oscillator to obtain an exactly predetermined intermediate frequency signal, and measuring the frequency of the local oscillator to determine the frequency of the signal.

2,186,183
POLYVINYL HALIDE PRODUCT
Harlan L. Trumbull, Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 28, 1937, Serial No. 156,234
5 Claims. (Cl. 244—128)



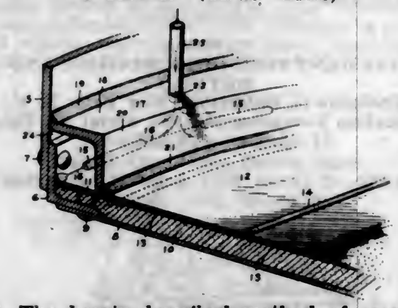
1. A gas container at least part of the wall of which comprises a film consisting essentially of plasticized gamma polyvinyl chloride.

2,186,184
CIRCUIT ALIGNING DEVICE AND METHOD OF ALIGNING CIRCUITS
Ernest A. Tubbs, Long Island City, N. Y., assignor to National Television Corporation, Wilmington, Del., a corporation of Delaware
Application February 26, 1937, Serial No. 127,876
18 Claims. (Cl. 250—20)



1. The method of aligning coupled primary and secondary circuits, the primary circuit including a primary coil, which comprises inserting a resistance across the primary coil, applying a voltage of a predetermined frequency to the primary circuit, tuning the secondary circuit for maximum current output, removing the resistance from the primary circuit, and tuning the primary circuit for maximum output from the secondary circuit.

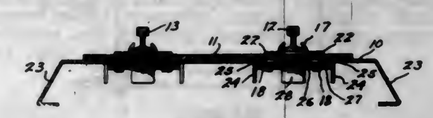
2,186,185
METHOD OF TANK CONSTRUCTION
Henry O. Walker, Warren, Pa., assignor to Hammond Iron Works, Warren, Pa., a corporation of Pennsylvania
Original application December 24, 1937, Serial No. 181,549. Divided and this application July 14, 1938, Serial No. 219,109
5 Claims. (Cl. 29—148.2)



1. The herein-described method of repairing oil storage tanks whose bottoms have become corroded and of testing the water tightness of the repaired construction which comprises, spreading a layer of loose aggregate material upon the corroded bottom, placing a false bottom upon the surface of said material, intermittently welding the peripheral edge of said false bottom to the side wall of the tank, placing a sealing ring between the side wall and the false bottom adjacent to and overlying the peripheral edge of the latter, continuously welding the sealing ring to the side wall and to the false bottom, providing an opening through the sealing ring, forcing a fluid through said opening and ultimately into the aggregate filled space beneath the false bottom to reveal any points of leakage in the construction, and thereafter sealing up the opening in the sealing ring.

2,186,186
TRACK CONSTRUCTION
George F. Weinreich, Chicago, Ill., assignor to Scale-Models, Inc., Chicago, Ill., a corporation of Illinois
Application September 27, 1937, Serial No. 165,803
3 Claims. (Cl. 238—10)

1. A track construction for miniature railroads comprising an elongate bed plate, a first strip of insulating material extending lengthwise on the underside of said plate, a second strip of insulating material on the upper surface of said plate having spaced transverse portions simulating ties and rail underlying portions connecting the transverse portions, a rail overlying the second strip and above the first strip, an elongate me-



tallic strip between the rail and second strip having spaced integral portions simulating tie plates at the tie positions, certain of the tie plate portions having fingers for engaging the lower flange of the rail and fingers for engaging the first and second strips, said plate having apertures therein for receiving the latter fingers therethrough out of contact with the plate.

2,186,187
INSTRUMENT FOR ELECTROSURGICAL TREATMENT IN BODY CAVITIES
Georg Wolf, Berlin, Germany, assignor to the firm Georg Wolf G. m. b. H., Berlin, Germany
Application June 3, 1938, Serial No. 211,536
In Germany June 7, 1937
5 Claims. (Cl. 128—303.15)

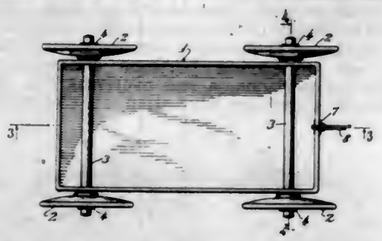


1. In an instrument for electrosurgical treatment in body cavities, a sleeve, a lamp, a flexible lamp holder carrying said lamp and fixed to said sleeve, a hollow catheter introducible into said sleeve, a cauter fixed to the catheter end to be introduced into the body cavity, an optical tube containing an eye-piece and an objective and introducible into said catheter, said sleeve, said catheter and said optical tube being concentric to each other, and a guide for axial displacement of said catheter and said sleeve relative to each other during the use of the instrument, said guide preventing rotations of said catheter and said sleeve relative to each other.

2,186,188
TOY WAGON ASSEMBLY
Paul E. Allen, Niles Center, Ill., assignor to Richard G. Krueger, New York, N. Y.
Application September 26, 1938, Serial No. 231,622
2 Claims. (Cl. 46—17)

1. A toy wagon assembly comprising a box adapted to enclose the parts essential to the assembly of a pair of wagons, said box consisting of

complementary sections provided with aligned openings, axles adapted to be mounted in the



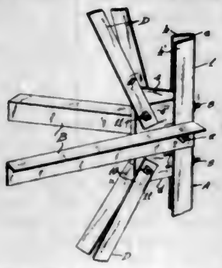
aligned openings, and wheels adapted to be mounted on the projecting ends of the axles.

2,186,189
VAPOR ELECTRIC DEVICE
Ernest G. Bangratz, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1935, Serial No. 4,284
18 Claims. (Cl. 250—27.5)



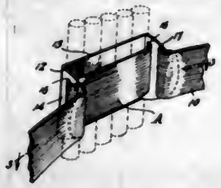
1. A make-alive electrode for a converter having a pool-type cathode comprising a body of graphite, said body having a very hard semi-conducting surface secured by treating the graphite with boron at high temperature, said semi-conducting surface being in contact with said pool-type cathode during normal operation of the converter, a stem secured to said graphite body, a collar on said stem adjacent the graphite body and an insulating covering on said stem.

2,186,190
STEEL TOWER
Carl Bauer, St. Louis, Mo., assignor to Missouri Rolling Mill Corporation, St. Louis, Mo., a corporation of Missouri
Application July 2, 1938, Serial No. 217,180
5 Claims. (Cl. 189—20)



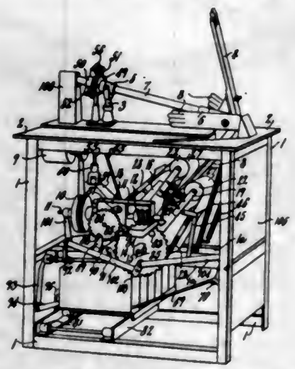
3. Tower-bracing including an angle-bracket comprising a central web and diverging flanges for fitting a correspondingly contoured tower-leg with the web of the bracket disposed within the angle, and presented toward the web, of the leg, diagonal brace-members secured at an end to the flanges only of the bracket, and means engaging the webs of the bracket and leg for adjustably securing the bracket to the leg for tensioning the several brace-members.

2,186,191
ARTICLE CARRYING DEVICE
Paul Beckwith, Stroudsburg, Pa.
Application August 3, 1937, Serial No. 157,079
2 Claims. (Cl. 224—26)



2. An article carrier including an elastic band adapted to surround the limb of the wearer, a rigid U-shaped element comprising a bridge portion having angularly disposed leg portions extending inwardly from the bridge portion towards the limb and disposed in endwise relation therewith, means disposed transversely of and intermediate the length of each leg portion around which means the band extends to dispose a length thereof in spanning relation to the leg portions and spaced from the limb of the wearer and parallel to the bridge portion for clamping articles between said spanning portion of the band and the bridge portion with the opposite ends of the band extending outwardly around the inner ends of the leg portions respectively and between the inner ends thereof and the limb.

2,186,192
GARMENT FINISHING MACHINE AND METHOD
Teobaldo G. Boldizzoni, New York, N. Y.
Application November 20, 1934, Serial No. 753,802
24 Claims. (Cl. 223—57)



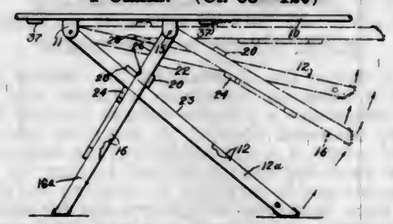
1. In a garment finishing device, the combination comprising, a garment form, two co-operative elements, each pivotally mounted on one end, a supporting frame for the pivoting ends of said elements, means for angularly displacing said elements about their pivotal supports, thereby moving said elemnts toward or away from each other and with respect to a garment form placeable within the angular opening therebetween, means, comprising yielding pressure elements, to press the surfaces of said elements firmly against the garment and form when in the closed position, and means for moving said surfaces, when said elements are in the closed position, to simultaneously strip, stretch, and press the garment mounted on said form.

2,186,193
WINDSHIELD WIPER BLADE
Victor H. Christen, Detroit, Mich.
Application February 8, 1936, Serial No. 62,889
5 Claims. (Cl. 15—245)



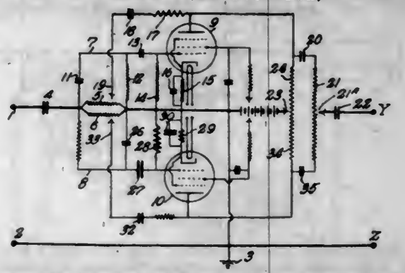
1. A wiping element comprising a strip formed of flexible material, provided with a wiping edge, and having a stiffening strip of resilient material embedded therein and disposed to flex therewith, said stiffening strip extending in proximity to but in spaced relation to said wiping edge, said spaced distance being insufficient to permit substantial flexing of said wiping edge independent of said stiffening element but sufficient to permit said wiping edge to accommodate itself to irregularities of a surface being wiped.

2,186,194
IRONING TABLE
Leon H. Cummings, Berlin, Mass.
Application March 4, 1939, Serial No. 259,836
1 Claim. (Cl. 38—120)



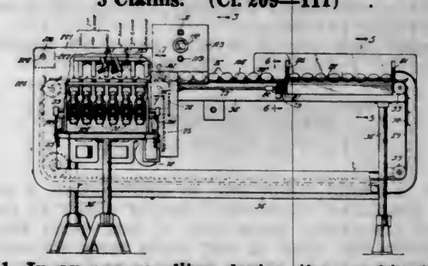
An ironing table comprising a top with two leg structures pivoted thereto in spaced apart relation, one of said leg structures being relatively wide and having side leg elements diverging downward, and the other leg structure being relatively narrow and having side portions converging downward so that the sides of the narrow leg structure are spaced substantially from the sides of the wide leg structure when the table is erected with said leg structures crossed, the wide leg structure having two cross-bars secured thereto at opposite sides and spaced apart along the length thereof to permit the narrow leg structure to pass therebetween, the upper one of said cross-bars being secured to the lower side of the wide leg structure, and the lower cross-bar being secured to the upper side of said wide leg structure, the narrow leg structure having a further cross-bar secured to the top thereof directly above the locality of intersection of said leg structures and so as to be substantially opposite one of the other cross-bars in a direction widthwise of the wide leg structure and substantially opposite the other cross-bar in a direction widthwise of the narrow leg structure when the table is erected, whereby said leg structures are mutually inter-braced at three triangularly spaced areas at the locality of intersection of said leg structures, the cross-bar secured to the narrow leg structure, having extensions at each end to engage the outer side portions of the wide leg structure at widely spaced apart points whereby further rigidity against twisting and weaving movements is insured for the table when the same is erected.

2,186,195
INVERSE FEEDBACK CIRCUITS
Henri F. Dalpayrat, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application December 24, 1937, Serial No. 181,696
7 Claims. (Cl. 179—171)



2. An electric translation system comprising an input circuit, a plurality of amplifiers, separate filter networks having different frequency response characteristics connected between said input circuit and each of said amplifiers, a common output circuit for said amplifiers, and adjustable inverse feedback means between points at a higher and lower oscillation level in at least one of said amplifiers.

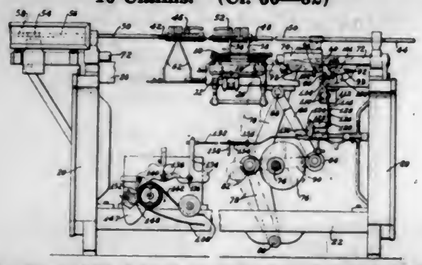
2,186,196
EGG CANDLING MACHINE
Raymond R. Haugh, Chicago, Ill., assignor, by mesne assignments, to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
Original application August 31, 1934, Serial No. 742,223. Divided and this application April 23, 1936, Serial No. 75,982
5 Claims. (Cl. 209—111)



1. In an egg candling device, the combination of a conveyor for propelling a row of eggs, means for projecting a beam of light successively through the eggs on said conveyor, a photo-electric cell positioned so as to be acted upon by light rays passing through said eggs and to thereby cause the flow of electric currents of strengths dependent upon the intensity of light passing through the respective eggs, means for tempo-

rarily storing the currents so caused to flow through said photo-electric cell, and a plurality of devices for discharging eggs from said conveyor at different points in accordance with the intensity of light passed through the respective eggs, means actuated by electric currents of different strengths for selectively actuating said discharge devices, and means for transmitting said stored-up currents to actuate said discharge devices at times subsequent to the time when said currents are caused to flow through said photo-electric cell.

2,186,197
KNITTING MACHINE
Hellmuth Hoeppner, Einsiedel, near Chemnitz, Germany, assignor to Maschinenfabrik Einsiedel, Einsiedel, near Chemnitz, Germany, a corporation of Germany
Application May 4, 1937, Serial No. 140,683
16 Claims. (Cl. 66—82)



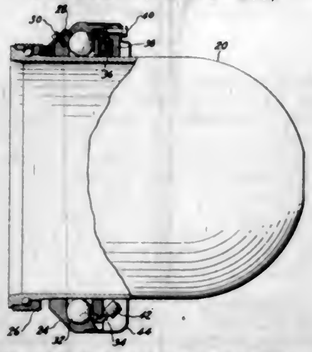
1. In a flat knitting machine having spring beard needles movable as a unit with relation to a press edge, and independently movable yarn measuring sinkers, the combination of a yarn feeding assembly including a yarn carrier and a sinker slur-cock cam, a main cam shaft for the machine, a Coulier motion comprising a cam driven from the cam shaft, a draw arm, a connection from the draw arm for actuating the yarn feeding assembly, and pattern controlled means for disconnecting said yarn feeding assembly from the draw arm at the limit of its stroke in one direction to prevent movement of said yarn feeding assembly while the draw arm proceeds to the limit of its stroke in the opposite direction.

2,186,198
MITER CLAMP
Will Krumbach, Highland Park, Ill., assignor to Adjustable Clamp Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1937, Serial No. 159,918
3 Claims. (Cl. 144—293)



1. A clamp comprising, in combination, a pair of companion blocks each having a pair of parallel transverse bores, one of said bores being smooth, the other of said bores being threaded, and the threads of the latter bores being oppositely disposed, means including a rod lengthwise extending loosely through the set of smooth bores of the blocks for retaining the blocks shiftably in operative alignment, means on the block directly engageable in the work pieces being clamped for detachably securing the blocks to said work, and a bar having oppositely threaded portions engaging the threaded bores of the blocks for drawing the blocks together for securing the work-members in buttwise-joint-forming engagement.

2,186,199
PROPELLER BALANCING MEANS
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 29, 1938, Serial No. 248,281
8 Claims. (Cl. 170—177)



1. A balancing device for a rotatable body comprising, an internally grooved annular race coaxial with the axis of rotation of said body, a plurality of loose spherical weights in said race, means for releasably securing said weights in fixed position relative to said race, and centrifugally actuated means for controlling said weight securing means.

2,186,200
ILLUMINATING DEVICE
John McClain, Chicago, Ill.
Application February 6, 1936, Serial No. 62,595
2 Claims. (Cl. 240—2.18)

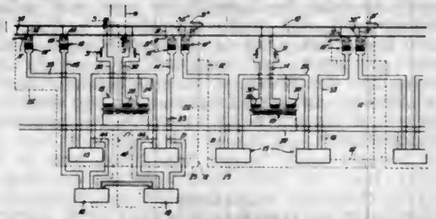


1. A device for illuminating the interior surfaces of tubes for inspection purposes, said device comprising a portable tubular housing having an open end adapted for insertion into one end of a tube, a source of light within said housing, a distended portion on said housing for engaging the end of said tube for shutting out other light than light from said source and for guiding said housing so that said source of light can be easily centered on the longitudinal axis of said tube, an opaque member supported by said housing in substantial alignment with said source of light on the axis of the tube in a position between said source and the far end of the tube, for preventing direct rays of light from said source from passing directly out through said far end of the tube, and means for adjusting the position of said member with respect to said light source.

2,186,201
TRACK SIGNAL CONTROL SYSTEM
Samuel E. McFarland, Los Angeles, Calif.
Application April 22, 1938, Serial No. 203,538
7 Claims. (Cl. 246—130)

7. A circuit controlling system for use in connection with a track having conductively continuous rails comprising two relays for the control of said circuits, a low resistance bond connecting the rails, and control circuits for the relays, each

control circuit including input leads connected with the rails at points spaced from the bond and delivering low voltage current to the rails, the input leads of said control circuits being connected with the rails at opposite sides of the bond and each control circuit including a transformer connected with the rails between the bond

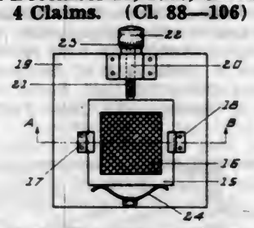


and the input leads of its control circuit operable to receive low voltage current from the rails and convert it into current of sufficient voltage for the control of a relay, the points of connection of the bond with the rails being in diagonal relation to the rails whereby both relays are shunted out when a train truck is passing over the bond.

2,186,202
PRESERVATION OF LATEX
John McGavack, Leonia, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 10, 1937, Serial No. 158,337
6 Claims. (Cl. 260—820)

1. Latex containing .01 to .1% of an alkyl mercury ester and a small amount of a base from the group consisting of ammonia, water-soluble organic derivatives of ammonia, and fixed alkalies.

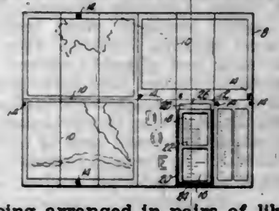
2,186,203
OPTICAL FILTER
Melchor Centeno, V, New York, N. Y.
Application December 11, 1937, Serial No. 179,312
4 Claims. (Cl. 88—106)



1. An optical filter of continuously variable transparency within fixed limits comprising a pair of flat elements juxtaposed face to face, each of said elements consisting of a frame carrying a screen of rectangular mesh, and means for displacing said elements relative to each other in a direction diagonal to said mesh and in the plane of the elements, said means being calibrable in terms of the transparency of the combined juxtaposed elements.

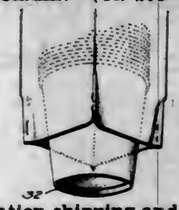
2,186,204
COMBINED TRIP RECORD AND MAP
Milo F. Miller, Kansas City, Mo.
Application March 27, 1939, Serial No. 264,409
4 Claims. (Cl. 281—5)

1. A trip record and map of the character described comprising a flexible sheet having lines of fold formed therein dividing the same into a plurality of sections and panels; and openings in the form of indicia provided in said sheet to designate the sequence of use of said lines of fold, said



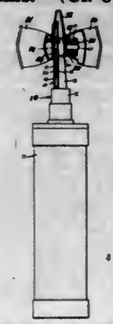
openings being arranged in pairs of like indicia and disposed in opposed relation when the map is folded.

2,186,205
PAPER CUP DISPENSER
Samuel Sidney Piken, Bayonne, N. J.
Application March 29, 1938, Serial No. 198,721
10 Claims. (Cl. 206—56)



1. A combination shipping and dispensing container for nested paper cups or the like, comprising a tubular housing body portion of cornered cross-section adapted to loosely surround a stack of said nested upright paper cups, and a downward cup delivery mouth portion constituting in effect a downward continuation of said cornered body portion, providing downwardly diminishing correspondingly cornered cross-sectional areas, and providing a cornered terminal cup delivery area the diameter of the inscribed circle of which is smaller than the largest diameter of the crown portion of the cup, said cornered mouth portion adapted to sustain the stack of cups as a whole while allowing cups to be individually withdrawn therefrom by reason of elastic deformation of the circular crown portion of the cup substantially corresponding to the cornered configuration of the delivery area.

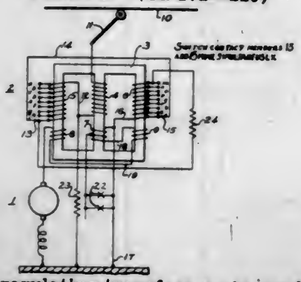
2,186,206
MINIATURE DARKROOM DEVICE FOR OPHTHALMOSCOPES
Charles Posner, Pasadena, Calif., assignor to Walter A. Arnesen, Flushing, N. Y.
Application August 21, 1936, Serial No. 97,153
6 Claims. (Cl. 88—20)



2. An attachment for an ophthalmoscope body

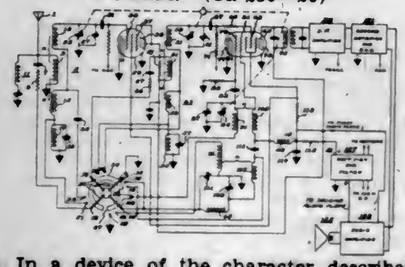
having light directing means and an inspection opening adjacent said light directing means, said attachment comprising a pair of eyecups each having a sight aperture through the bottom thereof, forked resilient strip member means securing said eyecups together with one eyecup secured to each end of said resilient strip member, the ends of the resilient strip member being formed to engage the upper portion of the body of the ophthalmoscope for detachably securing said eyecups, one on each side of said body with the apertures in the eyecups in substantial alignment with said inspection opening.

2,186,207
REGULATING TRANSFORMER
Fritz Rampacher, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1937, Serial No. 162,298
In Germany March 30, 1937
7 Claims. (Cl. 171—119)



1. In a regulating transformer, in combination, a core having three winding legs, a primary winding and a secondary winding associated with each winding leg, said primary windings being connected in series, two of said windings being provided with tapped connections, tap changing switches associated therewith, and switch operating mechanism therefor operative for maintaining the sum of the coils of these two windings in series at all times substantially constant, the magnetizing effect of these two windings being cumulative with the winding on the third leg, said three secondary windings being also connected in series, those secondary windings on the same two legs with the tapped windings being differentially connected.

2,186,208
RADIO RECEIVING SYSTEM
John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 30, 1935, Serial No. 42,903. Divided and this application February 26, 1938, Serial No. 192,703
4 Claims. (Cl. 250—20)



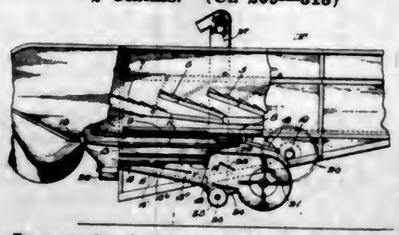
1. In a device of the character described, a local oscillator including a thermionic tube having cathode, grid, oscillator anode, control grid, screen grid and anode electrodes; an intermediate amplifier, a detector and an audio amplifier; a source of power subject to variations initiated through said amplifiers by a change in the frequency of said oscillator, connections from said source to said local oscillator and said intermediate and said audio amplifiers; a filter for audio frequency currents connected between said source of power and said oscillator anode and screen grid electrodes, so that oscillations due to the effect of changing frequency on the source of power and the source of power on the frequency are prevented.

2,186,209
GARMENT BAG
Albert J. Roth, Manchester, Conn.
Application October 26, 1937, Serial No. 171,036
6 Claims. (Cl. 206—7)



1. A garment bag of the character described having an open bottom, an opening in the top thereof and a tape or cord permanently secured to the outside of said bag and extending downwardly therethrough to a point below the bottom thereof.

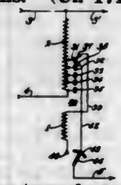
2,186,210
GRAIN CLEANER
Wilhalm F. Scheel, Alexandria, Minn., assignor, by direct and mesne assignments, of forty per cent, to Carl J. Newhouse, and twenty per cent to Kenneth H. Dell, both of Alexandria, Minn.
Application October 20, 1937, Serial No. 170,085
2 Claims. (Cl. 209—318)



2. In a grain cleaning machine, a grain cleaning shoe or unit comprising a substantially horizontally disposed screen, an inclined grain-receiving floor pan located beneath and spaced from said screen and together with the latter defining a wind blast space of gradually decreasing depth from one end of the shoe to the other, means for creating a wind blast through said space in a direction from the deeper towards the shallower end thereof, a substantially solid grain-progressing pan interposed between the said horizontal screen and the inclined floor pan and operating to receive the grain falling through said screen and progress the grain along and

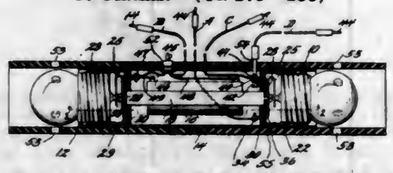
spill it off one end of the grain progressing pan and cause it to fall through the shallow extremity of the wind blast space, and a grain-distributing member coacting with said progressing pan to spread the grain spilling over the discharge end of the latter pan longitudinally of the wind blast space and obtain maximum cleaning efficiency from the wind blast without increasing the force of the latter to a point where it will blow the grain beyond the confines of the shoe, said distributing member comprising an additional screen slidably mounted for movement forwardly and rearwardly in the chute adjacent and beneath the discharge end of said progressing pan and receiving grain therefrom, the discharge end of said additional screen being located intermediate the discharge end of said grain progressing pan and the upper extremity of the inclined floor pan, there being no substantial gap between the additional distributing screen and the discharge end of said latter pan.

2,186,211
REGULATING TRANSFORMER
Max Schwaiger, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 5, 1938, Serial No. 194,117
In Germany April 7, 1937
6 Claims. (Cl. 171—119)



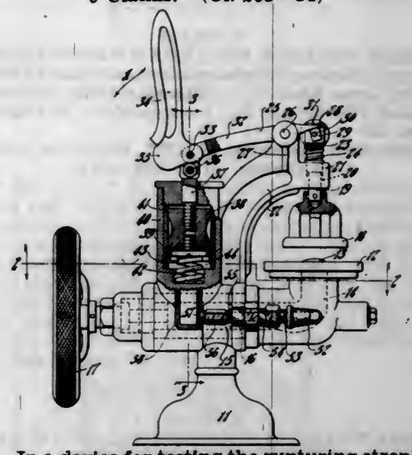
1. In a regulating transformer, in combination, a regulated winding portion provided with a plurality of tap connections at spaced intervals therealong and an unregulated winding portion, a tap changing switch mechanism including tap contacts connected to the several tap connections, two movable selector contacts cooperating with the tap contacts, each selector contact being movable over a range corresponding to the number of tap contacts without movement of the other selector contact, and a changeover switch having two operative positions for connecting a selected one of said selector contacts to said load circuit conductor, said unregulated winding portion being included in circuit between one of said selector contacts and said changeover switch.

2,186,212
ELECTRIC TESTER
Robert L. Scoggin, Ventura, Calif.
Application August 2, 1938, Serial No. 222,708
10 Claims. (Cl. 175—183)



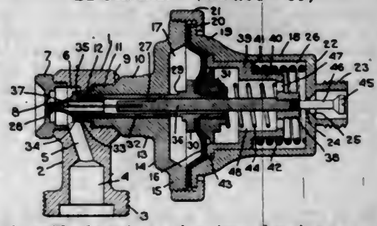
1. In an electrician's test set a tubular casing, a lamp socket operatively mounted in each end of the tube, a spacer between said sockets, a resistance element supported by said spacer, a straight electrical conductor positioned axially of the element and spacer for connecting said sockets together and to the spacer and a plurality of test cords electrically connected to the sockets and to the resistance element.

2,186,213
DEVICE FOR TESTING THE RUPTURING STRENGTH OF SHEET MATERIAL
Samuel N. Senna, Chicopee, Mass., assignor to B. F. Perkins & Sons, Inc., Chicopee, Mass., a corporation of Massachusetts
Application August 10, 1935, Serial No. 35,606
9 Claims. (Cl. 265—14)



1. In a device for testing the rupturing strength of a specimen of sheet material, a supporting platform for said specimen having an aperture therein, means movably positioned in said aperture and adapted to be forced against said specimen until it is ruptured, hydraulic means for forcing said movable means against said specimen, clamping means for holding said specimen on said platform, a cylinder rigidly connected with said platform, a spring-pressed piston positioned in said cylinder, connections between said hydraulic means and said cylinder whereby a force proportional to the rupturing force acts on said piston in the same direction as the spring, and connections between said piston and said clamping means whereby the force of said spring and the hydraulic force acting on said piston are together proportional to the force acting on said clamping means and are counterbalanced thereby.

2,186,214
LIQUID ATOMIZING DEVICE
Herman F. Simon, Lunenburg, Mass., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts
Application September 22, 1936, Serial No. 101,946
14 Claims. (Cl. 299—59)



1. A self-cleaning atomizer having an outlet

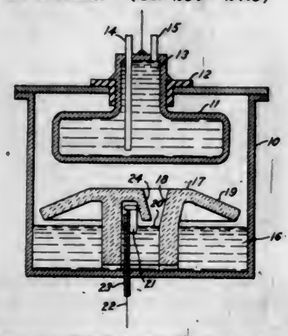
port for an atomizing fluid under pressure, a relatively movable cleaning member for said fluid port forming a conduit for the liquid and having a liquid outlet port positioned in cooperative relation to said fluid outlet port, an independently movable cleaning member for the liquid outlet port, resilient means causing said cleaning members respectively normally to penetrate and clean, one, the said fluid outlet port and the other said liquid outlet port, and means including a single diaphragm operating only in response to pressure of said atomizing fluid to withdraw and position the respective port cleaning means for atomizing operation.

2,186,215

HIGH VOLTAGE RECTIFIER OR INVERTER

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1937, Serial No. 176,261
12 Claims. (Cl. 250—27.5)



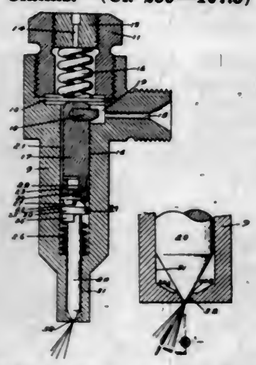
1. An electric discharge device comprising a casing having a mercury cathode, an anode, stationary funnel shaped insulating means at the surface of the mercury cathode having its wider-open end facing said anode and stationary means for igniting an arc at the surface of said mercury cathode within said funnel shaped insulating means.

2,186,216

APPARATUS FOR SPRAYING LIQUID FUEL INTO A COMBUSTION CHAMBER HAVING THE REQUIRED TURBULENCE

John W. Smith, Overbrook Manor, Pa.

Application February 4, 1935, Serial No. 4,746
3 Claims. (Cl. 299—107.5)



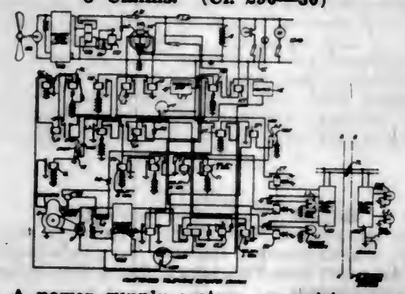
1. In a spray valve, a housing having a discharge orifice converging in the direction of flow, a valve stem controlling said orifice, and a spring loaded member acted upon by the injection pressure and effective to position the valve off-center in its orifice to control the direction of spray.

2,186,217

CONTROL OF ELECTRIC GENERATING APPARATUS

Harry H. Spencer, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1938, Serial No. 248,436
8 Claims. (Cl. 290—30)



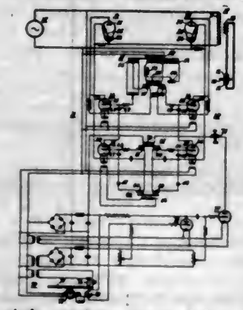
1. A power supply system comprising a storage battery supplying a current consuming circuit, an auxiliary current source comprising a charging generator for charging said battery and an internal combustion engine having an ignition circuit, for driving said generator and means for controlling said auxiliary source comprising a plurality of relay means having predetermined operating delays, means automatically responsive to a given low voltage condition of said battery to complete the ignition circuit of said engine and to supply operating current to said relay means, certain of said relay means operating to cause cranking of the engine and interruption of the cranking for alternate small time intervals, other of said relay means operating to disable said certain relay means if the cranking is ineffective to start the engine within a limited period of time, and means responsive to the voltage generated by said generator when the engine starts and drives it within said limited period of time, to prevent further cranking of the engine.

2,186,218

WELDING APPARATUS

Gottfried Stolberg, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 6, 1937, Serial No. 119,256
In Germany October 16, 1935
2 Claims. (Cl. 250—41.5)



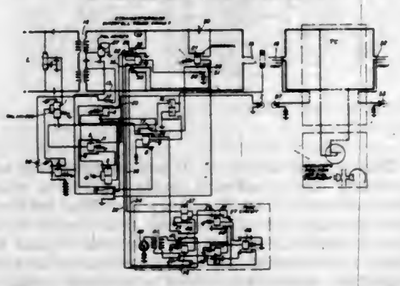
2. An electric system comprising, in combination, a load circuit, circuit means for connecting the load circuit to a source of alternating current, arc discharge means connected to control the flow of current in said load circuit, and a synchronously driven screen with teeth alternately arranged in different groups in the divisions of the periphery of the screen, the spacings between teeth in a given group being similar but the spacings for successive groups being different, the screen controlling photo-electric means for rendering said arc discharge of alternately greater and smaller average conductivity, said smaller average conductivity being still of substantial amount.

2,186,219

TELEPHONE SYSTEM

John F. Toomey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 28, 1938, Serial No. 204,747
8 Claims. (Cl. 179—27)



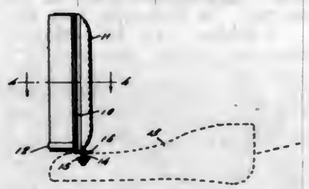
1. In a telephone system, a trunk line terminating in a combined inward and outward jack, means operated in response to calling signals incoming over said trunk, an operator's cord circuit adapted for connection to said trunk by way of said jack, a source of audible frequency current, means for connecting said source to said trunk, and circuit means, jointly controlled by the operation of said calling signal responsive means and connection of the cord circuit to said jack, to operate said means for connecting said audible frequency current to said trunk.

2,186,220

BACK REST

Alphonce Vanderkelen, Green Bay, Wis.

Application August 17, 1938, Serial No. 225,457
1 Claim. (Cl. 155—5.16)



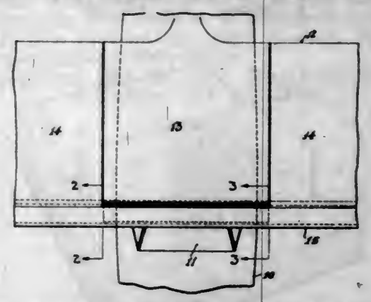
An upholstered back rest for use on a motorcycle seat including a rectangular frame having upstanding side bars and upper and lower horizontal bars, respectively rearwardly bowed, and a one-piece strap metal frame extending flat along the outer sides of said side bars, across the top of the upper bar, and across the rear side of the lower bar, and including upper and lower bars bowed in conformity with the upper and lower frame bars.

2,186,221

WING SLOT

Frederick R. Weymouth, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application February 10, 1938, Serial No. 189,754
12 Claims. (Cl. 244—42)



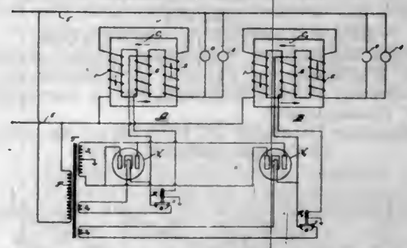
1. In aircraft having a wing, a body structure below and contiguous to the wing and occupying a portion of the wing span, a movable auxiliary airfoil co-extensive with the wing leading edge and movable relative thereto to open and close a slot between the wing leading edge and the airfoil, said leading edge being recessed above said body structure so as to provide a slot thereat whether the slot on the balance of the wing leading edge is open or closed.

2,186,222

DEVICE FOR VARYING THE CURRENT FLOW IN AN ELECTRIC CIRCUIT

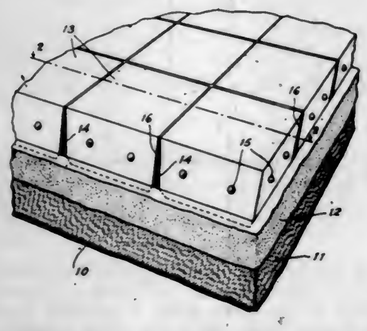
Robert L. Wilcox, Wilmington, Del., assignor to Willard L. Morgan, Edgewood, R. I.

Application June 17, 1938, Serial No. 214,368
3 Claims. (Cl. 171—242)



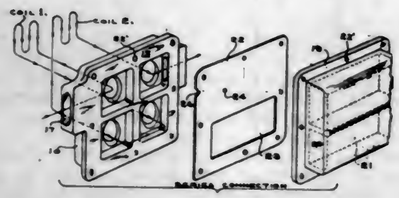
1. In combination with an electric power supply and a work circuit, an impedance having a control winding, the terminal voltage of said impedance varying in response to changes in the magnitude of current in said control winding, a circuit connecting said power supply to said work circuit through said impedance, an electrical discharge tube having a filament which has an appreciable thermal lag whereby the current therethrough is dependent upon said lag, a space current circuit for said tube, an energizing circuit for said filament, a relay having a winding in said space current circuit and contacts controlled by the relay winding and arranged in said energizing circuit to control the same, whereby the space current of said tube is caused to vary cyclically, and means for varying the magnitude of current in said impedance winding in correspondence to the cyclic variation of said space current, whereby the terminal voltage of said impedance is caused to vary cyclically to thereby vary the current in said work circuit accordingly.

2,186,223
GLASS MELTING FURNACE AND METHOD OF CONSTRUCTION THEREOF
Paul G. Willetts, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 4, 1937, Serial No. 172,660
8 Claims. (Cl. 49—54)



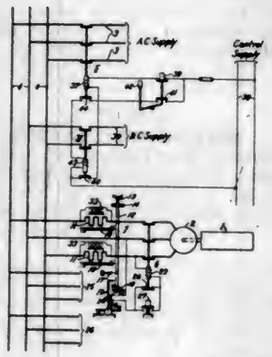
8. A container for molten glass, comprising a bottom including an under support, and an inner portion formed of refractory blocks resistant to the attack of molten glass, granular material disposed between said under support and said blocks and of such character as to remain granular during the heating up of said blocks to the highest temperature which they attain during normal use, and material disposed between said blocks of such character that it will seal the joints therebetween and prevent penetration of molten glass through the joints between the blocks to the granular material thereunder.

2,186,224
HEAT EXCHANGE APPARATUS
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1937, Serial No. 182,662
13 Claims. (Cl. 137—111)



1. A manifold for a heat exchanger having first and second fluid passages, said manifold having chambers communicating with the opposite ends of said passages, one chamber having an inlet connection and a second chamber having an outlet connection for fluid circulated through said passages, a plurality of said chambers having openings, and cover means for closing said openings, said openings and cover means being constructed and arranged so that the cover means may be mounted in either one of two positions and so as to connect said passages in series in one position of said cover means and to connect the same in parallel in a second position of said cover means.

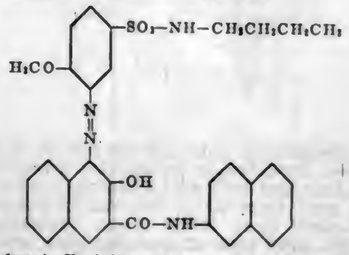
2,186,225
MOTOR CONTROL SYSTEM
Jay R. Wrathall, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1938, Serial No. 228,945
6 Claims. (Cl. 172—179)



6. The combination with an alternating current motor for a roll-out table roll, of a source of alternating current energy for the motor, a circuit breaker for connecting the motor to the source, a starting switch for the motor and embodying a protective device to safeguard the motor against operating under excessive loads by disconnecting the motor at the starting switch, a source of direct current to provide dynamic braking energy for the motor, a breaker to connect the direct current source to one phase of the motor, an interlock between the brakers to permit only one breaker to be closed at a time, and means for modifying the operation of the protective device to permit it to respond to the full value of the operating alternating current, but to prevent it from responding to the full value of the dynamic braking direct current.

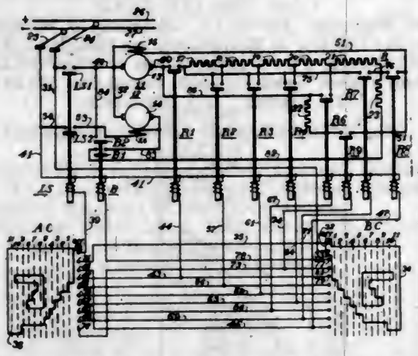
2,186,226
AZO DYESTUFFS INSOLUBLE IN WATER
Werner Zerweck and Ernst Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 14, 1938, Serial No. 219,203. In Germany July 19, 1937
1 Claim. (Cl. 260—204)

The azodyestuff of the formula:



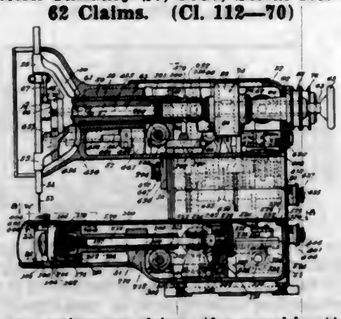
which dyestuff yields when prepared on the vegetable fiber bright red shades of good fastness to washing and boiling and very good fastness to light.

2,186,227
MOTOR CONTROL SYSTEM
Bascum O. Austin, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1938, Serial No. 224,558
7 Claims. (Cl. 172—179)



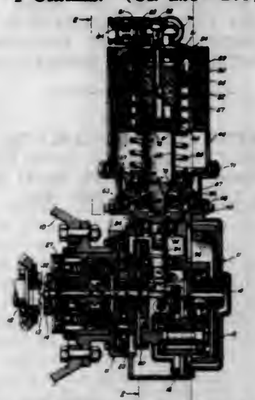
5. In a motor control system, in combination, a pair of electric motors, a power conductor, switching means for connecting the motors to the power conductor in series-circuit relation to cause current to flow through said motors in a predetermined direction to accelerate the motors, switching means for establishing dynamic braking connections for the motors, said motors being so cross-connected during dynamic braking that the field winding of each motor is in series-circuit relation with the armature winding of the other motor, the current flowing through the armature winding of one motor and the field winding of the other motor being in the same direction as during acceleration and the current flowing through the field winding of the first motor and the armature winding of the second motor being in the reverse direction, and a resistor for controlling the motor current during both acceleration and dynamic braking, a portion of said switching means being disposed to combine the motors and also to shunt said resistor.

2,186,228
SEWING MACHINE
Samuel W. Avis, Providence, R. I., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application January 27, 1938, Serial No. 187,175
62 Claims. (Cl. 112—70)



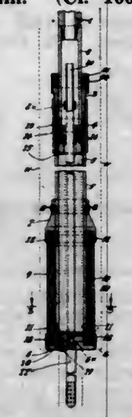
1. In a sewing machine, the combination of a work-holding device; a stitch-forming device; and adjustable mechanism for causing between said devices relative movements tracing the underlying and overlying stitch groups of a tack of which the over-all length of one group is variable independently of the over-all length of the other group.

2,186,229
ENGINE STARTING MECHANISM
Howard Baer, Jersey City, N. J., and Martin J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application July 28, 1937, Serial No. 156,228
4 Claims. (Cl. 123—179)



1. In an inertia starter having a flywheel, an engaging member, and a connecting gear train, accelerating means for said flywheel, said accelerating means including a piston drivably connecting with said gear train, a housing for said piston, means for admitting pressure fluid to said housing, means for exhausting said fluid from said housing, a second piston operable by the exhaust fluid discharged from said housing when said first piston has reached the limit of its stroke, and means operatively linking said second piston to said engine engaging member to cause the latter to move to engine engaging position in response to movement of said second piston.

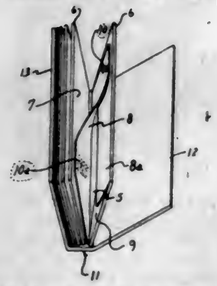
2,186,230
HYDRAULIC OIL WELL PACKER
Warren L. Bald, Los Angeles, Calif.
Application August 11, 1938, Serial No. 224,230
1 Claim. (Cl. 166—1)



An oil well packer comprising a barrel, a base flange cap carried by the barrel at its lower end,

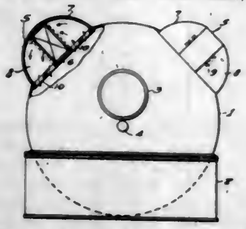
an expansible bag-like sheath surrounding the barrel and fitted within the base flange cap, the interior of the sheath communicating with the interior of the barrel, a second flange cap surrounding the sheath and into which the opposite ends of the sheath is fitted, means removably fixing the second cap to the barrel, a hollow plunger rod, a plunger head carried by the rod and projected within the barrel, a sleeve carried by the barrel at its upper end, an efflux tube passing through the plunger head and communicating with a port formed in the base cap, an apertured plug surrounding the efflux tube and threaded in the hollow plunger rod to abut said last-named packing, and an expansible liquid within the barrel below the plunger head.

2,186,231
RAZOR BLADE PACKAGE
Charles C. Baldwin, St. Louis, Mo.
Application November 10, 1938, Serial No. 239,775
3 Claims. (Cl. 206—46)



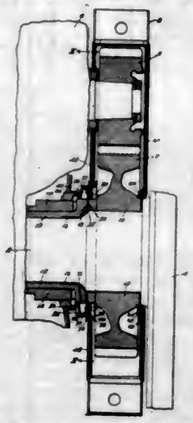
1. A razor blade package of a plurality of individually wrapped and regularly superposed blades, inclosed in wrappers having marginal flaps folded over the blades, one end of the outer flap of each wrapper being attached to an inner flap of the same wrapper, and the opposite end being attached to the back of the contiguous wrapper.

2,186,232
VENTILATION OF TOTALLY ENCLOSED DYNAMO-ELECTRIC MACHINES
René A. Baudry, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1938, Serial No. 187,725
2 Claims. (Cl. 171—252)



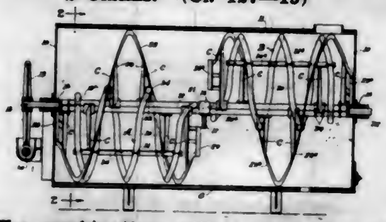
2. A totally enclosed dynamo-electric machine having a stator member, a rotor member, a generally cylindrical, gas-tight housing completely enclosing the machine and containing a ventilating gas, said housing having a plurality of flattened portions extending longitudinally for substantially its entire length, said flattened portions having openings into the interior of the housing, a cooler mounted on each of the flattened portions, and gas-tight chambers secured to the housing over each of said flattened portions, said chambers enclosing the coolers and openings, whereby the gas may circulate freely through the chambers.

2,186,233
COMBINATION DUST GUARD AND GEAR CASE GREASE SEAL
Paul Bollinger, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1938, Serial No. 203,321
19 Claims. (Cl. 308—36.1)



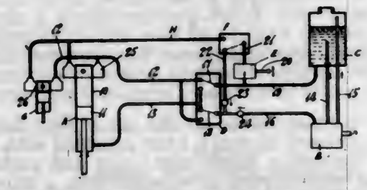
1. In a power transmitting mechanism including vertical cooperative thrust surfaces formed by a stationary structure and a rotating structure, means for lubricating said thrust surfaces, gear means coupled to said rotating structure, a stationary lubricant-containing casing for said gear means and having a central opening in proximity to said surfaces, and a seal for separating said lubricants and preventing the entry of outside particles to said surfaces and casing.

2,186,234
CRYSTALLIZING APPARATUS
Charles A. Boyd, Chagrin Falls, Frederick B. Kraft, Cleveland, and Peter Ragborg, Euclid, Ohio, assignors to The Kilby Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 7, 1938, Serial No. 244,434
2 Claims. (Cl. 127—15)



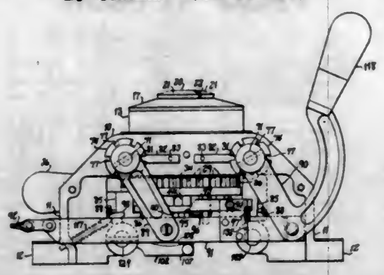
1. The combination, with a crystallizer tank, of a shaft mounted within and extending longitudinally through said tank, a helical coil of tubing surrounding said shaft, a combined helical scraper and stirrer also surrounding said shaft and having a pitch which will impart a movement to the massecuite longitudinally of the tank, means for circulating cooling liquid through said coil, arms secured to the said shaft and extending substantially radially therefrom, the said arms having each in section the shape of an elongated or narrow diamond, each diamond having opposed faces extending at substantially right angles to the axis of rotation of said shaft and the other opposed faces thereof forming acute angles with the plane of the axis of said shaft, the angle or pitch of the longer diagonal of each diamond coinciding substantially with the pitch of the combined stirrer and scraper, and means for securing the outer ends of the said arms to the combined stirrer and scraper.

2,186,235
LIQUID PRESSURE REMOTE CONTROL SYSTEM
Francis Victor Brown, London, England, assignor to Automotive Products Company Limited, London, England, a British company
Application February 4, 1937, Serial No. 124,154
In Great Britain February 5, 1936
2 Claims. (Cl. 60—52)



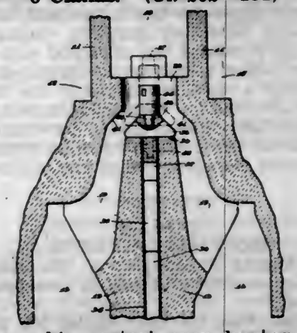
1. Fluid pressure remote control system comprising, in combination, a fluid pressure responsive motor, a source of fluid pressure for supplying operating fluid to said motor, a main supply line connecting the source of fluid pressure to the motor, an auxiliary line extending from the motor to the source of fluid pressure, a manually operated valve for connecting the auxiliary line with said source of pressure, and automatically acting means for disconnecting the motor from the main supply line in response to operation of said valve, said means being so operable only in the event that said main supply line has theretofore been disconnected from said source of fluid pressure.

2,186,236
WORK-HOLDING FIXTURE
John W. Dearborn, Ansonia, Conn.
Application December 8, 1938, Serial No. 244,522
10 Claims. (Cl. 90—57)



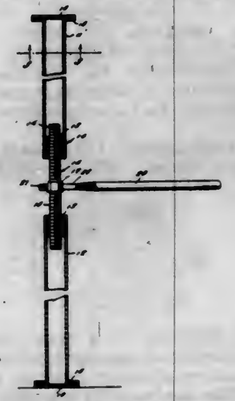
1. A device of the class described, including: a head, a collet seated therein, an actuating-ring with which the collet is detachably connected, means for holding the collet in engagement with the said actuating-ring, an index-ring connected to the head, an operating-ring, a pawl carried by said operating-ring to engage with said index-ring, and means for turning said operating-ring.

2,186,237
COKE OVEN STRUCTURE
Fred Denig, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware
Application August 5, 1937, Serial No. 157,461
8 Claims. (Cl. 202—151)



1. In a coking retort oven having accessible passageways beneath a supporting-mat therefor, the combination of: a coking chamber having a flued heating wall there-adjacent and a regenerator therebeneath; regenerator duct means in the region of the juncture of the heating flue with the regenerator therefor, individually connecting the lower part of a heating flue of said wall with the upper part of said regenerator; an adjustable flow restricting element for the regenerator duct-means positioned between the lower part of said heating flue and the upper part of said regenerator and adapted to modify the cross-sectional area of said regenerator duct means in such manner that gases flowed therethrough are susceptible of regulation independently of regenerator duct means for other heating flues of said heating wall; and adjustable regulating means extending downwardly from the flow restricting means into the accessible passageway and operative from beneath the oven-supporting mat for actuating said flow restricting element to adjust the same from within the accessible passageway beneath the oven mat of the oven.

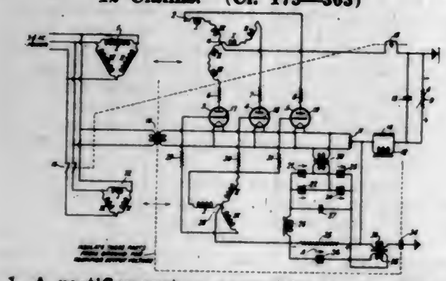
2,186,238
LADING BRACING
Edward W. Deuel, Pueblo, Colo.
Application August 22, 1938, Serial No. 226,193
1 Claim. (Cl. 254—100)



A jack of the class described comprising a pair of elongated tubular members, a flat flange forming member having a centrally arranged opening

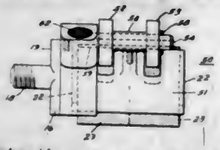
therein receiving the outer end of each tubular member, said flange forming members being attached to the tubular members, a bushing in the inner end of each tubular member having a theaded bore, an elongated screw-threaded member, the threads at one end being right handed and those at the other end being left handed, said threaded portions engaging the bores of the bushings, an enlarged non-circular part at the center of the screw-threaded member for receiving a tool for turning the threaded member and a cushion forming member fastened to the outer face of each flange forming member with a part of the cushion forming member extending across the open end of the tubular member.

2,186,239
RECTIFIER SYSTEM
James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 11, 1937, Serial No. 142,059
12 Claims. (Cl. 175—363)



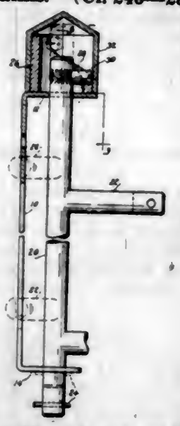
1. A rectifier system comprising a plurality of rectifier tubes each having an anode, a cathode and a grid, a filament circuit for heating said cathodes, a source of blocking voltage comprising a rectifier energized from said filament circuit, means for applying voltage from said source to the grids of said tubes for rendering them nonconductive, a source of alternating voltage to be rectified connected to the plates of said tubes, a direct current load circuit and means adapted to nullify the blocking voltage on said grids, said last mentioned means being operative upon existence of predetermined phase and polarity of the voltage applied to the plates of said rectifier tubes.

2,186,240
BRUSH HOLDER
Theodore C. Fockler, Wilkinsburg, and Albert Martens, Murrysville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1938, Serial No. 191,010
11 Claims. (Cl. 171—324)



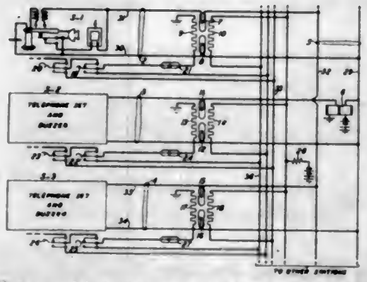
1. The combination in a brush holder device for a dynamo-electric machine, of a body member having an open brush-bearing face and an end face having an integral support stud, and a support ring cooperative with said end face and support stud for positioning the holder in the machine.

2,186,241
SWINGING SIGN
Chester W. Glasgow, Detroit, Mich., assignor, by direct and mesne assignments, of one-half to Margaret Esther Glasgow, and one-half to Arthur F. Jackson, both of Detroit, Mich.
Application April 16, 1938, Serial No. 202,403
4 Claims. (Cl. 248—289)



3. In a construction of the class described, a bracket element having a back provided with angularly extending upper and lower end portions provided with aligned pivot apertures, a circular cam trackway seated upon the upper end portion of the bracket element and having a pivot aperture aligned with the aperture of said end portion, a sign panel provided with upper and lower pivots receivable within said upper and lower pivot apertures, a hollow cap open at the bottom removably received over said cam trackway surrounding its pivot aperture and surmounting the end of the pivot element received therein, and a supporting pin carried by said upper pivot and slidable over said trackway upon rotation of the pivot, said upper end of the bracket element closing the open end of the cap below said track.

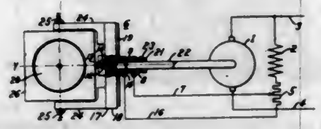
2,186,242
TELEPHONE SYSTEM
Clair W. Halligan, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1937, Serial No. 166,725
8 Claims. (Cl. 179—31)



1. The combination in a telephone system of a telephone station, a source for supplying talking current to said station, two talking conductors permanently joining said source to said station, elements in said talking conductors having a normal resistance sufficiently high to prevent the flow of talking current to said station, and means

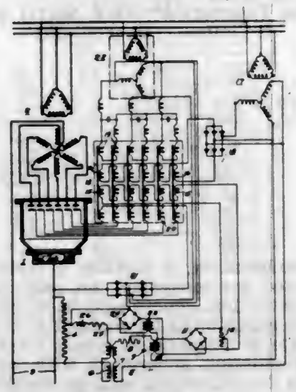
effective upon the initiation of a call at said station for lowering the resistance of said elements to permit talking current to flow to said station.

2,186,243
REGULATOR
Clinton R. Hanna, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1938, Serial No. 226,762
9 Claims. (Cl. 175—355)



9. In a speed regulator, gyroscopic means responsive to variations in the speed of a member from a predetermined value, inertia means responsive to the rate of change in the speed of said member, and means actuated jointly by said gyroscopic means and said inertia means for governing the speed of said member.

2,186,244
VAPOR ELECTRIC DEVICE
Walter Hartel, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 22, 1938, Serial No. 241,814
In Germany December 31, 1937
5 Claims. (Cl. 175—363)

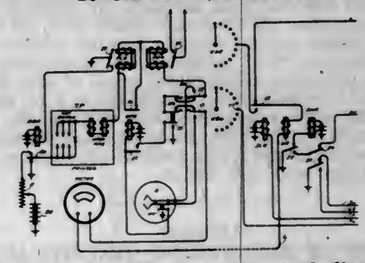


1. An automatic regulating system for a controlled vapor electric device having a plurality of arc paths comprising an impulsing transformer system, a premagnetizing winding on said impulsing transformer, a source of potential responsive to the regulation of the device, an oscillating circuit including a regulable choke coil, a source of alternating current connected to said oscillating circuit, connections for impressing the potential responsive to the regulation on said oscillating circuit to vary the wattless impedance of said circuit, and means for impressing a potential controlled by the wattless impedance of the oscillating circuit on the premagnetizing winding of the impulsing transformer.

2,186,245
ELECTRICAL CONTACT MEMBER
James M. Kelly, Trafford, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 5, 1939, Serial No. 271,934
5 Claims. (Cl. 200—166)

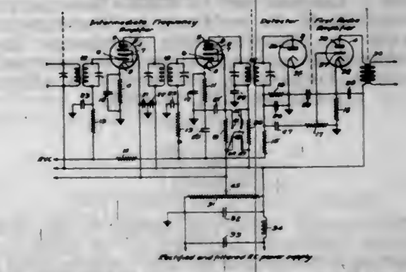
1. An electrical contact member comprising from 45% to 75% by weight of refractory metal powders bonded together with from 55% to 25% of a silver base alloy containing from 1% to 10% of copper and 1% to 10% of antimony.

2,186,246
COMMUNICATION SYSTEM
Glenn Kiner, Park Ridge, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application October 9, 1936, Serial No. 104,755
16 Claims. (Cl. 178—2)



10. A communicating system including a plurality of contacts connected to subscribers' lines, a single level selecting wiper, said contacts being arranged in groups, means for operating said selecting wiper, relay means associated with said contacts for stopping said selecting wiper at a predetermined contact, change-over means for placing said operating means under the control of the subscribers' line to step said wiper to a certain selected contact in a group and other means causing said wiper to select a contact associated with an idle line.

2,186,247
NOISE SUPPRESSION CIRCUITS
Theodore P. Kinn, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1937, Serial No. 164,164
12 Claims. (Cl. 250—20)



1. In combination, means for amplifying high-frequency energy comprising an electron discharge device having a cathode and a plurality of principal electrodes, means for applying a normal order of potential to said principal electrodes with respect to said cathode during periods of

signal amplification, means responsive to variations in the intensity of the incoming signal wave for maintaining the volume level of said amplifier substantially constant during amplification of signals, and means for reversing the normal order of potentials to certain of said principal electrodes to render said amplifier substantially non-operative during no signal periods.

2,186,248

EMULSIFIABLE SUBSTITUTE RESIN OILS

Arthur Lazar, Associated, Calif., assignor, by mesne assignments, to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original application April 30, 1934, Serial No. 723,168. Divided and this application May 29, 1936, Serial No. 82,549

1 Claim. (Cl. 252—6)

An emulsifying oil comprising unsaturated and aromatic hydrocarbons derived from the treatment of a petroleum fraction containing organic acids and heavier than kerosene by distilling off in the presence of an alkali about 80% to 90% of the liquid sulfur dioxide soluble portion of such fraction, said residual oil containing in solution sufficient alkali metal soaps of said acids to render it readily emulsifiable alone with water and being soluble in mineral oil without the addition of solvency promoting agents because of the presence in the residual oil of products of reaction from said distillation.

2,186,249

PROCESS OF RECOVERING ORGANIC ACIDS

Arthur Lazar, Berkeley, and Lionel Samuel Galstaun, San Francisco, Calif., assignors to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 17, 1939, Serial No. 251,444

14 Claims. (Cl. 260—452)

1. The process of separating organic acids from oily material containing the same, which comprises: treating said oily material containing organic acids with a basic reagent of higher volatility than said acids whereby soaps are formed and at a temperature below that at which amides tend to be formed, separating said soaps from said oily material, then dissociating said soaps by distillation to separately recover the organic acids and basic reagent.

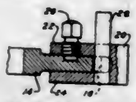
2,186,250

TIME SWITCH ACTUATING DEVICE

Bernard E. Lenehan and G. Wilbur Rosenberger, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 20, 1938, Serial No. 185,898

7 Claims. (Cl. 74—568)



1. In a switch actuating device, a disc and means for rotatably mounting it, an actuating arm having a bifurcated portion proportioned to embrace the edge of the disc with the arm disposed radially of the disc, an arcuate groove in said disc coaxial therewith, and means extending through one leg of said bifurcated portion into said groove for releasably clamping the actuating arm to the disc.

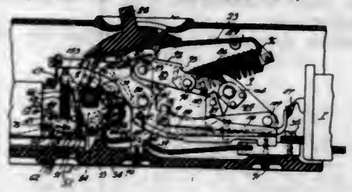
2,186,251

CIRCUIT BREAKER

Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application April 24, 1933, Serial No. 667,624. Divided and this application November 4, 1936, Serial No. 109,111

14 Claims. (Cl. 200—87)



1. In a circuit interrupter, a stationary contact member, a movable switch member cooperating therewith for opening and closing the circuit, said movable switch member having a pivotally mounted contact member for engaging said stationary contact member, and magnetic means comprising a flexible conductor having an S-shaped loop therein energized at all times when said contact members are in the engaged position by the current flowing through said interrupter and applying a force to said contact member on the side of its pivot which biases said engaging contact members toward each other.

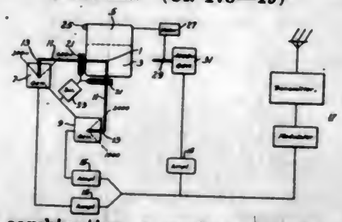
2,186,252

COMMUNICATION SYSTEM

Donald G. Little, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 27, 1936, Serial No. 66,014

9 Claims. (Cl. 178—19)



1. In combination, a surface, a stylus or the like mounted for movement on said surface, a pair of oscillation generators, each capable of progressive adjustment throughout a widely separated range of frequencies, means interconnecting said oscillation generators with said stylus and means for adjusting said generators simultaneously thereby selecting a particular frequency from each of said range, said frequencies being a measure of the coordinates defining the position of said stylus, and means for transmitting said selected frequencies.

2,186,253

MILKING MACHINE PULSATOR

Karl Gunnar Magni, Hellebo, Ronninge, Sweden, assignor to De Laval Separator Company, New York, N. Y., a corporation of New Jersey

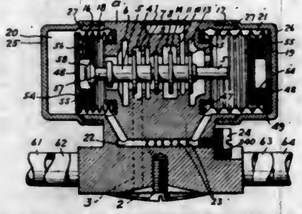
Application August 3, 1936, Serial No. 93,982

In Sweden August 14, 1935

21 Claims. (Cl. 31—61)

1. A milking machine pulsator comprising a

valve casing having a longitudinal bore provided with valve seats, the valve casing having passages adapted to communicate respectively with sources of high and low fluid pressure, a valve spindle reciprocable in said bore, two fluid pulsation chambers surrounding the spindle, valve mechanism carried by said spindle and adapted in one position of the spindle to con-



nect one of said pulsation chambers with said high pressure fluid passage and the other of said pulsation chambers with the low pressure fluid passage and in its other position to reverse said connections, and a sealing device carried by the spindle and maintaining said pulsation chambers separated in both positions of the spindle.

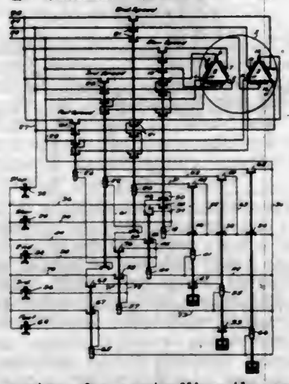
2,186,254

MULTISPEED MOTOR CONTROL

Kurt Mahnke, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 31, 1939, Serial No. 265,157

11 Claims. (Cl. 172—179)



1. In a system for controlling the speed of an electric motor including, in combination, an electric motor having windings, a plurality of push buttons for selectively obtaining different operating speeds of said motor, each of said push buttons being effective to secure a particular connection of said windings giving a particular speed of operation of said motor, automatic means responsive solely to the operation of a single one of said push buttons for sequentially changing said winding connections in a manner to effect progressive increase in the speed of said motor until it reaches the speed corresponding to said operated single push button.

2,186,255

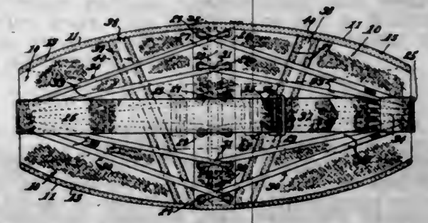
WAIST RESTRAINER

Raleigh McCabe, Chicago, Ill.

Application August 19, 1938, Serial No. 225,661

5 Claims. (Cl. 2—41)

1. A waist restrainer comprising an inelastic body section with tapered ends extending around the sides and toward the back of the wearer, a back section of inelastic material having a vertical stiffening member, elastic inserts between said back member and the ends of the body section, stiffening members at the front of the body



section and a body restraining member connected to the back section and having overlapping portions consisting of inner and outer sections, the inner section being anchored at the front and the extremities of the other sections being adjustably connected at the front.

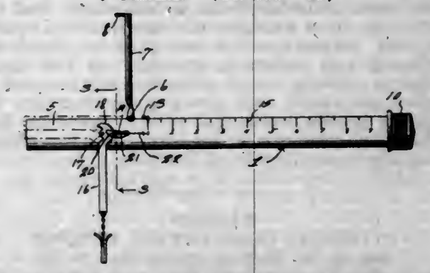
2,186,256

WEIGHING SCALE

Leslie McClain, Oklahoma City, Okla.

Application December 3, 1938, Serial No. 243,842

7 Claims. (Cl. 265—49)



1. A pocket weighing scale of the character described, comprising an elongated body constituting a scale beam, a pointer carrying weight carried by the beam and adapted for movement longitudinally thereof, a graduated scale associated with the beam for cooperation with the pointer of the weight, means for effecting movement of the weight longitudinally of the scale from a zero point toward one end of the beam, means adjacent the said zero point of the graduated scale for suspending the beam, a hanger attached to the beam adjacent to the suspension means and between the same and the end of the beam remote from the graduated scale, said hanger being pivotally attached to the beam, and indicating means connected with and actuated by the hanger for designating when a proper balanced relation is attained between the suspension means, beam and hanger.

2,186,257

CRYSTALLINE BORIC OXIDE

Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1938, Serial No. 220,177

4 Claims. (Cl. 23—149)

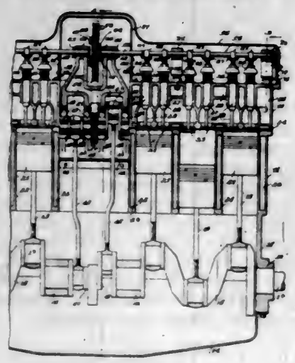
2. As a new product, crystalline boric oxide having a melting point of between about 460° and 470° C. and a density of about 2.42.

2,186,258
ROAD SIGNAL
Elmer W. McDonald, Tustin, Mich.
Application September 20, 1937, Serial No. 164,647
1 Claim. (Cl. 88—78)



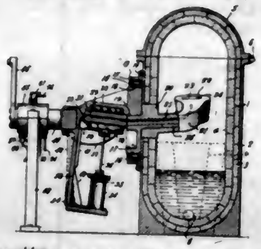
A signal device of the character described and comprising a closed, rigid, light-proof tower permanently anchored on the top of a hill and on the side of a highway passing over said hill, said tower being within the light range of the headlights of a motor vehicle traveling up said hill on said highway, angularly disposed guides mounted on the side walls of the tower at a point spaced from the lower end thereof, an angularly disposed reflector mounted in said guides and extending entirely across the tower, a door in the tower to permit removal of the reflector, guides in the upper end of the tower, an angularly disposed reflector mounted therein; a window in the back wall of the tower in alignment with said upper reflector, a visor mounted over and forming a shield for said window, a transparent panel mounted in the front wall of the tower in alignment with the lower reflector, said lower reflector being arranged so that the light rays from an upwardly approaching vehicle on said highway are intercepted by the lower reflector and reflected upwardly to the upper reflector, which upper reflector is arranged to reflect said light rays downwardly through the window in the back wall of the tower so that they reach the eyes of an operator approaching from the opposite side of the hill.

2,186,259
INTERNAL COMBUSTION ENGINE
Joseph R. McNeil, Rochester, N. Y.
Application December 16, 1938, Serial No. 246,186
2 Claims. (Cl. 123—59)



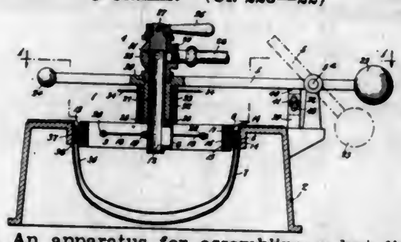
1. In an engine having a crank shaft, a cylinder block wherein a plurality of cylinders are provided and a cylinder head wherein a plurality of intake and exhaust valves are mounted, a casting mounted in said cylinder head and supported from said cylinder block, a cam shaft supported from said casting, means for operating said valves from said cam shaft, and means extending through said cylinder block for driving said cam shaft from said crank shaft.

2,186,260
CASTING APPARATUS
Henry E. McWane, Lynchburg, Va.
Application October 17, 1934, Serial No. 748,730
Renewed August 9, 1938
9 Claims. (Cl. 22—57)



8. In a casting apparatus, a source of molten material, a movable channeled ladle arm, a dipper carried by the movable channeled ladle arm and in communication with the channel therein, said dipper being adapted to dip the molten material by oscillation of the channeled ladle arm, and a mold secured to the ladle arm and in constant communication with the channel in the ladle arm.

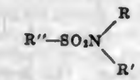
2,186,261
HAT LINING ATTACHING MACHINE
Louis Meylach and Leslie M. Page, New York, N. Y.
Application January 16, 1937, Serial No. 120,848
5 Claims. (Cl. 223—22)



1. An apparatus for assembling a hat lining with a hat body by adhesiveness having the combination of a body retaining framing configurated to fit the body, an element having a chamber with perforated walls paralleling said framing and expansible and contractible toward and away from the framing, means for actuating said walls, means to feed steam to said chamber, and a valve in said steam feeding means operated by said actuating means to admit steam to said chamber upon expansion of said walls and to shut off the steam upon contraction of the walls.

2,186,262
COMPOSITION AND METHOD FOR PREPARING SAME
James A. Mitchell, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1935, Serial No. 24,360
4 Claims. (Cl. 106—40)

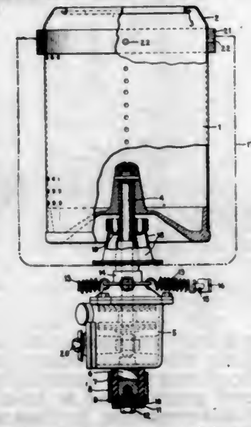
1. A cellulosic composition for producing moistureproof articles comprising cellulose nitrate, a wax and a plasticizer of the formula



in which R designates an aliphatic radical con-

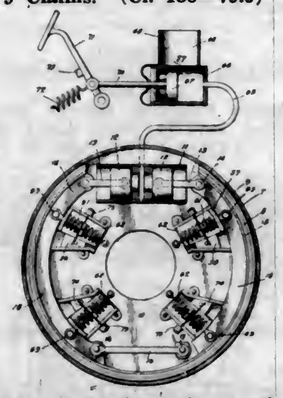
taining 4 to 18 carbon atoms; R′ designates a radical from the group which consists of hydrogen, alkyl, alkoxyalkyl, aryl, aralkyl and alicyclic; and in which R″ is selected from the group which consists of benzene, its homologues, the hydrogen, halogen, alkyl, alkoxy, aryl and hydrocarbon substitution products thereof.

2,186,263
CENTRIFUGAL CLOTHES DRIER
Charles E. Morgenstern, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application December 27, 1937, Serial No. 181,843
3 Claims. (Cl. 210—72)



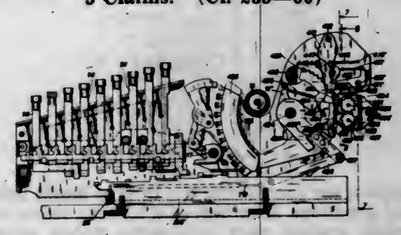
1. A centrifugal drier comprising a basket, a fixed support positioned below said basket, the lower part of said basket being connected to said fixed support by a resilient mounting, said mounting being arranged to provide for rotation of said basket about a substantially vertical axis, and a balancing mass rigidly associated with the upper part of said basket.

2,186,264
HYDRAULIC BRAKE
Edward J. Nachtwey, Green Bay, Wis.
Application August 23, 1937, Serial No. 160,539
9 Claims. (Cl. 188—79.5)



1. In a vehicular brake, a drum, a brake shoe mounted on a floating pivot and adapted to bear on said drum, projecting means on said shoe, adjusting means comprising a wedge member having spaced walls cooperating with the projecting means on said shoe and adapted to receive said projection between said walls, said walls being spaced a distance apart to provide a running clearance for the brake shoe, resilient means urging said wedge member and said shoe toward each other, resilient means urging said wedge member away from said drum and a locking wedge means adapted to prevent movement of said wedge member away from said drum.

2,186,265
CALCULATING MACHINE
Charles W. Norton, West Orange, N. J., assignor to Brunsviga Maschinenwerke Grimme Natalis & Co. A. G., Braunschwick, Germany
Application June 29, 1935, Serial No. 29,007
5 Claims. (Cl. 235—60)

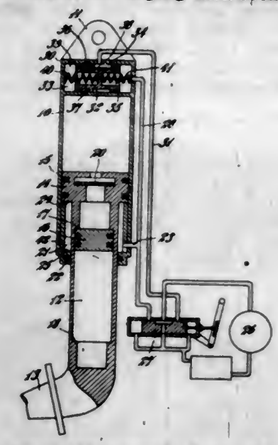


1. In a device for taking positive and negative totals, an accumulator comprising a set of addition wheels and a set of subtraction wheels mounted on parallel axles, toothed members for driving said wheels, means through which a fugitive unit is transferred to the wheels of lowest order upon occurrence of an overdraft, means constructed to engage said accumulator with said toothed members either positively or negatively for the determination of a positive or a negative total, said fugitive unit means including an oscillatory member similar to said toothed members for driving the accumulator wheels, a pair of ten-toothed wheels, one of which is mounted on the axle of the addition wheels and the other on the axle of the subtraction wheels and which ten-toothed wheels are in engagement with said oscillatory member of the transferring means for the fugitive unit during the adjustment of the accumulator wheels in item entry, a five-toothed control wheel, that ten-toothed wheel which is located on the axle of the subtraction wheels being so connected with the five-toothed control wheel that upon each change in the character of total on the accumulator the control wheel is turned either in the positive or in the negative direction to bring the control wheel either into a position wherein the end of a tooth on said wheel coacts with an element of said engaging means to sense a positive value in the accumulator, or with a notch between two teeth to sense a negative value therein.

2,186,266
SHOCK ABSORBER FOR AIRCRAFT
John Henry Onions, Leamington Spa, England
Application August 20, 1937, Serial No. 160,189
In Great Britain August 20, 1936
8 Claims. (Cl. 244—102)

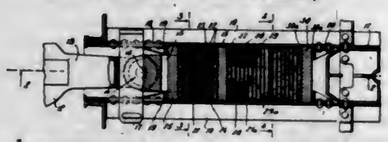
1. In an aircraft undercarriage, a shock absorber comprising a cylinder and a plunger slidable in the cylinder, one end of the cylinder being apertured for the passage of the plunger, resilient means in the plunger and providing shock absorbing means for the undercarriage, means for supplying liquid to and removing liquid from the

space between the cylinder and the plunger both above and below said plunger to shorten or increase the length of the shock absorber without affecting the resilient means, a locking valve, and automatic means for urging said locking valve to



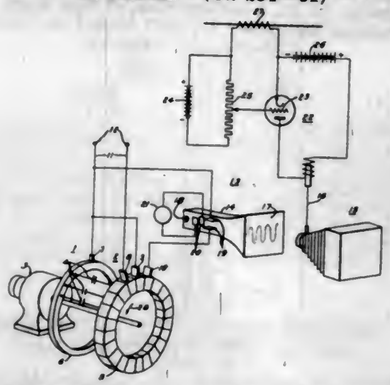
a position for preventing the flow of liquid into or out of the shock absorber, said locking valve being movable against said automatic means only by the pressure of liquid supplied to effect a change of length of the shock absorber.

2,186,267
CUSHIONING MECHANISM
Harold D. Page, Bronxville, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application February 17, 1938, Serial No. 190,980
4 Claims. (Cl. 213—46)



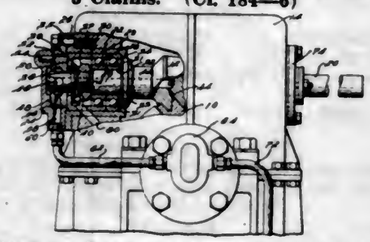
1. The combination in a railway vehicle, such as a car or motive power unit, of a draft pocket on the vehicle structure, transverse abutment means having parts disposed at opposite ends of the pocket, a pair of cushioning units lying end to end within the pocket and contacting at their remote ends with said parts of the abutment means, a coupler, and a yoke connected to the coupler and encircling one of the units and having a part lying between and in contact with the adjacent ends of the units, the other end of the encircled unit being out of contact with the yoke and the units being longitudinally confined only by said parts of the abutment means and said part of the yoke, the units being compressed in alteration to cushion buff and draft movements of the coupler and yoke with the unit undergoing compression constituting the sole restriction on the movement of the coupler and yoke in which such compression occurs, each unit being made up of alternate rubber-bearing and spacer plates and the rubber-bearing plates of each unit carrying like masses of rubber having like total surface areas, the plates of the unit outside the yoke having greater masses of rubber with a greater total surface area than the plates inside the unit, and the units being installed between said part of the yoke and said parts of the abutment means under compression, such that, as one unit is compressed, the other expands.

2,186,268
RECORDING OSCILLOGRAPHIC APPARATUS
William E. Pakala, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1937, Serial No. 121,597
11 Claims. (Cl. 234—61)



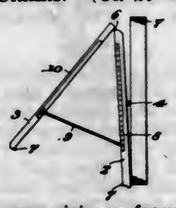
8. In apparatus responsive to a predetermined condition for automatically producing an oscillographic record of a variable quantity for a time interval commencing at least as early as the start of said condition, an electric circuit to be energized in accordance with the quantity to be recorded; a recording oscillograph having a release device effective to initiate a recording operation; a rotary device comprising a plurality of capacitors mounted for rotation, a rotating commutator having a plurality of bars each connected to one of said capacitors, and stationary brushes in engagement with said commutator, said stationary brushes including a charging brush connected to said circuit and an output brush connected to said oscillograph; said output brush being angularly displaced from said charging brush, motive means for driving said rotary device; and means responsive to said predetermined condition for operating said release device.

2,186,269
MECHANISM FOR LUBRICATING WORM GEARS
Harry Pelphrey, Detroit, Mich.
Application July 11, 1935, Serial No. 30,817
3 Claims. (Cl. 184—6)



1. Gear mechanism comprising a gear and a shaft therefor, a support for said shaft, means defining a longitudinal opening in said shaft, means communicating said opening with the surface of said gear and with a point on the periphery of said shaft, means comprising a collar for engaging said shaft at said surface point for introducing lubricant into said opening through said collar, and means for mounting said collar for limited movement with respect to said shaft support.

2,186,270
WINDOW HAVING COUPLED SASHES
Eric Sigfrid Persson, Malmo, Sweden
Application November 10, 1937, Serial No. 173,903
In Sweden February 20, 1937
4 Claims. (Cl. 20—53)



1. A window comprising a frame, an inner sash adapted to fit in said frame, lugs extending inwardly from said frame and sash, studs connecting the inner ends of said lugs for connecting the sash to said frame for pivotal movement about an axis spaced inwardly from said frame, an outer sash juxtaposed to said inner sash, a hinge connecting the lower edges of said inner and outer sashes, said lugs being positioned at a point slightly below the middle of the height of said sash and frame so that both of said sashes may be rotated as a unit about the pivotal axis through an angle of approximately 180° to bring both sashes on the inner side of the room with the hinge at the top, and means for detachably coupling the non-hinged horizontal edges of said sashes to enable them to be separated when on the inner side of the frame for access to the facing surfaces of the sash.

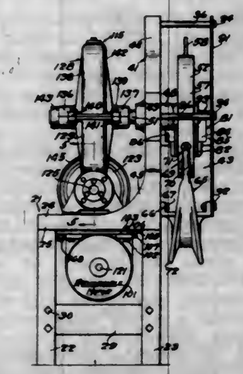
2,186,271
CUTTING OIL
Ernest Frank Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1936, Serial No. 87,260
2 Claims. (Cl. 87—9)

1. A cutting oil comprising a light mineral lubricating oil having a viscosity within the range generally employed for the lubrication of cutting tools of the order of about 70 to 120 seconds at 100° F. Saybolt Universal, and about 2–10% by weight on the weight of the mineral lubricating oil of an organic polysulfide having the formula $R_1—S_n—R_2$, wherein R_1 and R_2 represent the same or different alkyl, aryl or aralkyl radicals selected from the group consisting of methyl, ethyl, propyl, butyl, phenyl, tolyl and xylyl, and n represents the number of sulfur atoms which is greater than 2.

2,186,272
PROCESS FOR THE PREPARATION OF PENTAERYTHRITOL
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application April 7, 1938, Serial No. 200,683
9 Claims. (Cl. 260—635)

1. The condensation of formaldehyde and acetaldehyde to pentaerythritol in the presence of a fixed alkali and an oxalate of a metal of the 1st long period, of Mendelyeev's Periodic System, having an atomic weight between 52 and 63.6.

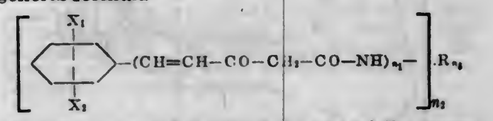
2,186,273
JAW PULLER
Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application July 13, 1938, Serial No. 219,001
9 Claims. (Cl. 17—1)



1. In a jaw puller, the combination of a frame arranged to be secured to supports so as to project selectively in various directions, said frame having a feeding space located laterally outwardly from said frame, a feed wheel rotatable in said feeding space, a jaw pulling horn and a jaw stripper coacting with said feed wheel, and means for adjustably positioning said jaw pulling horn and said jaw stripper into various angular positions about said feed wheel so as to coact with said feed wheel to conform to the selective direction in which said frame projects.

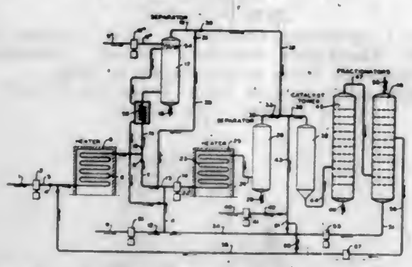
2,186,274
ACYL-ACETIC ARYLIDES HAVING SUBSTANTIVE PROPERTIES
Robert Schmitt, Darmstadt, and Hans Albert, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 29, 1938, Serial No. 248,256. In Germany December 31, 1937
6 Claims. (Cl. 260—559)

1. The acyl-acetic arylides of the following general formula



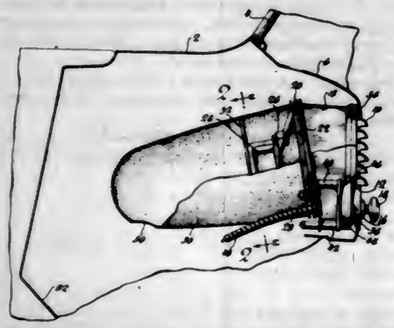
wherein n_1, n_2 and n_3 stand for one of the numbers 1 and 2, X_1 and X_2 stand for members of the group consisting of hydrogen, chlorine and methoxy, and R means a member of the group consisting of radicals of the benzene, naphthalene and diphenyl series, being yellowish-colored crystalline substances which are soluble in caustic soda solution and high-boiling organic solvents and have a remarkable affinity for natural and regenerated cellulose fibers.

2,186,275
CONVERSION OF HYDROCARBON GASES
Le Roy G. Story, Bronxville, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 12, 1936, Serial No. 100,413
8 Claims. (Cl. 196—10)



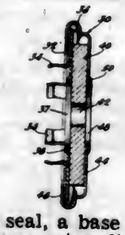
1. A process for the conversion of normally gaseous hydrocarbons into normally liquid hydrocarbons, which comprises subjecting hydrocarbon gases, containing a substantial amount of paraffin hydrocarbons between methane and butane, while under a pressure between atmospheric and about 500 pounds, to temperatures of about 1250–1750° F. whereby aromatics and olefins are formed, contacting with the hot products of reaction a cooler hydrocarbon gas containing a large proportion of butanes, subjecting the mixture to thermal polymerization under pressures of about 500–5000 pounds and temperatures of about 900–1100° F. for sufficient time to effect substantial formation of normally liquid hydrocarbons essentially aliphatic in character, then subjecting the resulting mixture to a catalytic polymerization at temperatures of 300–600° F. and separating the normally liquid hydrocarbons from the products of reaction.

2,186,276
INSTRUMENT PANEL SPEAKER UNIT
Bertram A. Schwarz and William C. De Roo, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 7, 1937, Serial No. 141,237
6 Claims. (Cl. 181—31)



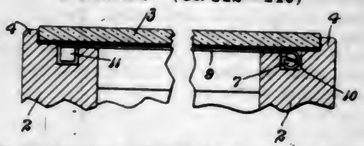
1. In a sound reproducing device, a panel, a hollow frame secured thereto, a speaker unit secured to the frame, and a hollow parabolic member formed of sound deadening material secured to the frame enclosing the speaker unit having an opening at the end opposite to the secured end, said parabolic member serving as a baffle to damp the vibrations from the rear face of the speaker.

2,186,277
GROMMET SEAL
Raymond E. Tetens, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 21, 1938, Serial No. 241,604
4 Claims. (Cl. 74—566)



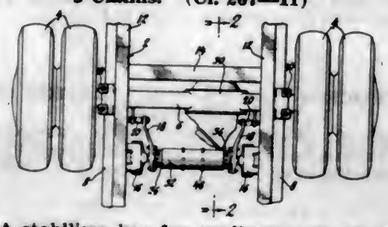
1. In a grommet seal, a base element adapted to be attached to a support, a disc positioned over said base element and capable of movement relative thereto, a fabric washer positioned over said disc and capable of movement relative to said base element and said disc, and an outer housing member positioned over the fabric washer and movably secured to the base element, all of said parts having concentric openings to enable the passage of a shank therethrough, said fabric washer being in contact with said shank.

2,186,278
SHOWCASE CONSTRUCTION
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application January 18, 1939, Serial No. 251,538
9 Claims. (Cl. 312—140)



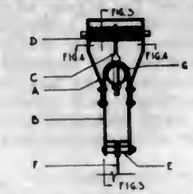
1. In a structure of the class described, an enclosure having a bottom, vertical ends, front and top, tie means anchored at one end thereof on one of said vertical ends at its upper portion and extending underneath said top across to the other vertical end, and rotatable means to which the other end of said tie means is connected extending substantially perpendicular to said tie means for tensioning the same to thereby hold said ends from outward warping or spreading at their upper portions.

2,186,279
SWAY STABILIZER
Dwight E. Austin, Orchard Lake, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application December 27, 1938, Serial No. 247,792
5 Claims. (Cl. 267—11)



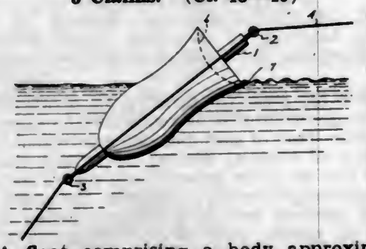
1. A stabilizer bar for application to an automotive vehicle having the usual wheels suspended from the vehicle frame or vehicle body, an outer cylinder extending transversely of the vehicle, two shorter cylinders inside the first cylinder and projecting from the ends thereof, compressed rubber between the two smaller cylinders and the outer cylinder and means to connect the projecting ends of smaller cylinders to the wheel suspension.

2,186,280
HANGER FOR SIGNS OR OTHER OBJECTS
Fred Charles Beseler, Shreveport, La.
Application December 19, 1938, Serial No. 246,658
3 Claims. (Cl. 40—138)



1. A hanger including, a support, a vertical post extending upwardly from the support, a frame adapted to be mounted on the support so as to be capable of a limited swinging movement and having an indicia carrying element suspending therefrom, upwardly extending arms on the frame and disposed on opposite sides of the post, and resilient means confined between the post and each arm for normally holding said frame in a vertical position and also for absorbing shock when the frame is swung.

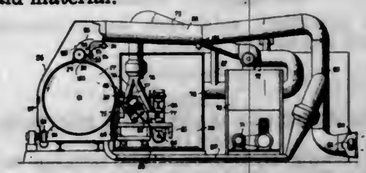
2,186,281
POPPING CORK
Rupert D. Cochran, Houston, Tex.
Application March 3, 1938, Serial No. 193,701
3 Claims. (Cl. 43—49)



1. A float comprising a body approximately circular in cross section having one end concaved, a portion of the body intermediate the ends being of less transverse diameter than the transverse diameter of the concaved end, said body flaring continuously from said portion of the body to the concaved end and terminating in an annular edge whose transverse diameter forms the maximum transverse diameter of the float.

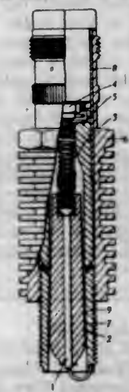
2,186,282
APPARATUS FOR TREATING MATERIAL
William W. Cowgill, Fairfield, Conn., assignor to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware
Application November 27, 1936, Serial No. 112,901
15 Claims. (Cl. 159—12)

3. The combination in a mechanism for treating materials, of a heated drying surface, means for delivering material to said surface to be dried thereon, means for removing dried material from said surface, a cooling zone located adjacent said removing means, means for conveying dried material through said zone, and means for directing a stream of cooling air across the path of said material.



8. The combination in a mechanism for producing dry material in film form, of a heated drying surface, means for delivering material to said surface to be dried thereon, means for removing dried material from said surface in the form of a substantially continuous film, an operating chamber adjacent said surface, means located in said chamber for drawing said film into said chamber immediately after removal from said drying surface, means for circulating a current of cooling air through said chamber to extract residual heat from said material, and means in said chamber for collecting the cooled material.

2,186,283
SPARK PLUG
Douglas Haynes Corbin, Dunstable, England, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 27, 1938, Serial No. 210,482
In Great Britain June 2, 1937
4 Claims. (Cl. 123—169)

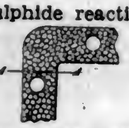


1. A spark plug comprising an insulator formed of a sintered refractory oxide, an outer shell in two parts, and a sleeve of substantially non-expansible steel within one of said parts and having a shoulder engaged by the other of said parts when the two parts are assembled, the sleeve and insulator being mutually engaged over outwardly tapering surfaces.

2,186,284
CORK COMPOSITION
Harry B. Denman, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan
Application June 15, 1935, Serial No. 26,823
2 Claims. (Cl. 288—1)

1. A gasket comprising a body material of comminuted cork, and a binder therefor comprising

an olefin polysulphide reaction product in vul-



canized condition, said cork being present in dominant amount by volume.

2,186,285
PLATED STORAGE TANK AND METHOD OF MAKING
Earl E. Eickmeyer, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application December 22, 1937, Serial No. 181,194
2 Claims. (Cl. 91—70.2)



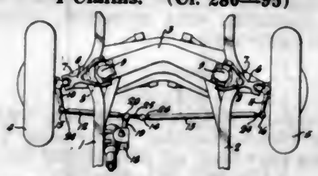
1. In a method of manufacture of galvanized tanks, (1) constructing a tank with inlet and outlet openings, (2) forming a vent opening in said tank disposed oppositely from at least one of said first-named openings, (3) immersing the tank downwardly, half way, into a molten spelter bath, with the vent opening disposed upwardly for releasing air from the interior of the tank, and thus allowing the spelter to contact half of the inner and half of the outer surfaces of the tank, (4) rotating the thus immersed tank in the molten spelter bath about a central axis located in the plane of the surface of said bath to secure full coverage by the spelter of all interior and exterior surfaces thereof, (5) removing the tank upwardly from the bath with the vent opening disposed upwardly, and (6) inserting in the vent opening a closure plug which is covered with molten spelter while the spelter on the plug and in the vent opening are still molten, thereby allowing the molten spelter on said plug to unite with that on the vent opening and to thus form an absolute seal.

2,186,286
SPLICING MACHINE
Max L. Engler and Walter J. Breth, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 30, 1935, Serial No. 52,395
6 Claims. (Cl. 154—14)



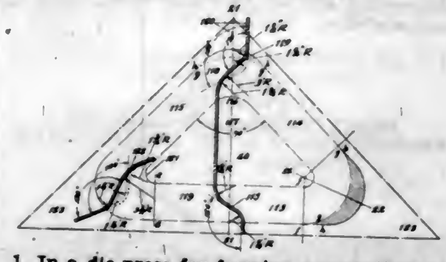
6. The method of joining the ends of an elongated rubber tube together, which comprises severing each of said ends to provide it with a clean-cut tacky end surface normal to each side surface thereof, aligning and mating said end surfaces with each other, subsequently clamping each of said ends immediately adjacent to the end surface thereof, and longitudinally compressing that portion of the tube including the mated end surfaces and which lies between the zones of clamping while holding said portion against outward lateral movement.

2,186,287
STEERING LINKAGE
Henry O. Fuchs, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 11, 1938, Serial No. 201,218
4 Claims. (Cl. 280—95)



1. Steering linkage for a pair of dirigible road wheels on opposite sides of a vehicle frame, including two tie rods pivotally connected to each other and to the wheels on opposite sides of the vehicle, and a steering gear box on the frame, having a pitman arm pivotally connected to one of the tie rods at a point intermediate of its pivotal connections to one of the wheels and to the other tie rod.

2,186,288
APPARATUS FOR DIE PRESSING METAL PLATES
John P. Gallagher, Jersey City, N. J., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 5, 1938, Serial No. 200,141
2 Claims. (Cl. 113—49)

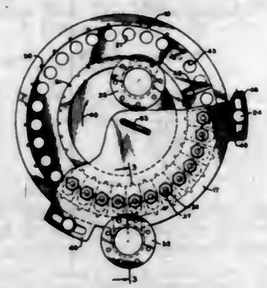


1. In a die press for forming corrugations in a metallic plate comprising reciprocating upper and lower dies, each of said dies being provided with a plurality of parallel ribs so positioned that the ribs of one die move between the ribs of the other die upon reciprocation of the dies, the crown portion of each of said ribs being provided with a recess to reduce area of contact between said plate and said ribs, said dies being provided with means to form flanges on the margins of the plate upon reciprocation thereof before the ribs of one die move between the ribs of the other die for securing the metallic plate in the dies during the formation of the corrugations.

2,186,289
ROTARY DRUM FILTER
William P. Gee, Plainfield, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 4, 1937, Serial No. 146,358
14 Claims. (Cl. 210—199)

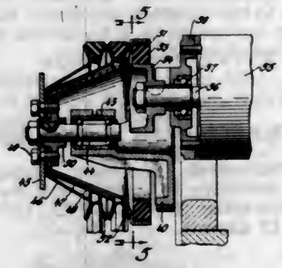
1. A continuous rotary drum filter of the character described, comprising in combination, a drum having a peripheral filtering surface and a plurality of separate longitudinally extending filter chambers formed within the periphery thereof beneath the filtering surface, a hollow

journal rotatably supporting said drum, a rotary valve plate carried by said journal adjacent one end thereof, a plurality of pipes extending from said filter chambers through said hollow journal to said valve plate, there being a pipe and an opening therefor through said valve plate for each of said filter chambers, a stationary face plate abutting against said valve plate and forming an annular passage provided with fluid connections adapted to communicate with said openings in the valve plate to provide zones of cake forming,



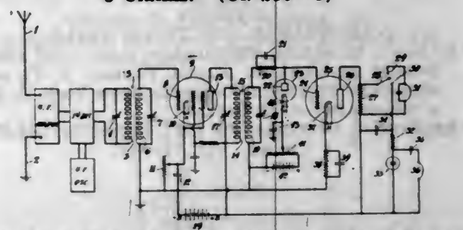
cake washing and drying, and cake discharge for said filter, and adjustable means for blocking off the valve plate openings from communication with said annular passage in any selected portion or portions of said cake-forming zone while leaving remaining portions of said annular passage within said cake-forming zone free to communicate with said valve plate openings and without blocking communication of any portion of said annular passage with said fluid connections, said adjustable means being operable from the exterior of said filter without dismantling the same.

2,186,290
GENERATOR DRIVE
John F. Gordon and Christiaan H. Bouvy, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 28, 1937, Serial No. 150,778
4 Claims. (Cl. 123—195)



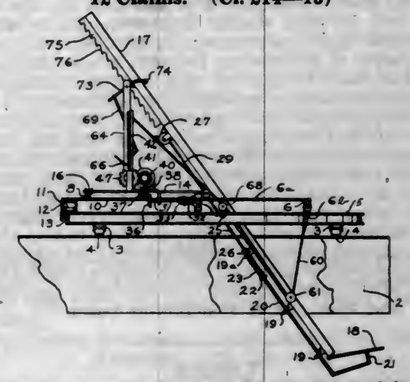
1. Engine accessory drive means including a belt driven sheave, an adjustable mounting for the sheave to regulate belt tension, means to lock the adjustable mounting in fixed position, a radiator fan directly driven from said sheave, a generator movable as a unit with the mounting upon belt tensioning adjustment and carried wholly by said mounting on an axis offset from the sheave and friction overdrive means between said sheave and generator unaffected by belt tensioning adjustment.

2,186,291
RADIO AND TELEGRAPH RECEIVER
Dana A. Griffin, Irvington, N. J., assignor to Alan N. Mann, Scarsdale, N. Y.
Application June 16, 1937, Serial No. 148,429
8 Claims. (Cl. 250—8)



4. In a radio receiver, a vacuum tube detector normally biased to operate in the vicinity of the negative bend of its grid voltage-plate current characteristic curve, an input circuit for said detector, a diode tube and a resistance shunted by a capacity connected to the diode and to said input circuit for simultaneously damping said circuit and altering the bias of said detector during the reception of excessive noise pulses, and means for preventing the damping of said circuit and alteration of said bias during the reception of normal signal voltages.

2,186,292
LOADING CHUTE
Gunnar W. Guhlin and Travis G. Waggoner, Houston, Tex.
Application July 23, 1938, Serial No. 220,839
12 Claims. (Cl. 214—15)



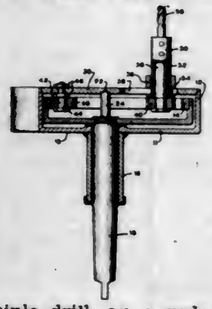
1. A loading chute shaped to be located in the hatch of a vessel, a carriage supported on and movable along the sides of the hatch, a frame forming a circular track on the carriage, a transverse track on the frame and movable about a vertical axis around the frame, means movable along the transverse track and supporting the chute.

2,186,293
DECOMPOSITION OF NICKEL-COPPER MATTE
Guenther Hamprecht, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 16, 1938, Serial No. 246,062. In Germany December 20, 1937
2 Claims. (Cl. 75—114)

1. A process for the decomposition of nickel-

copper matte, which consists in using as the decomposing agent a copper chloride solution containing an amount of nickel chloride sufficient to keep the cuprous chloride formed dissolved.

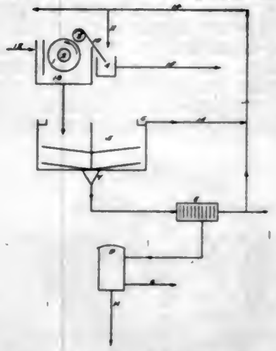
2,186,294
ADJUSTABLE MULTIPLE DRILL
Arthur I. Handling, Wilmington, Calif., and John Donald MacKnight, Mount Vernon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 20, 1937, Serial No. 180,670
1 Claim. (Cl. 77—23)



In a multiple drill, an annular drum shaped casing comprising a disc portion and a peripheral flange formed on said disc portion, a cover plate adapted to be attached to said flange, said cover plate having a series of radial slots formed therein, a sleeve bearing adjustably mounted in each of said slots, a drill chuck journalled in each of said sleeve bearings, a pinion gear on the inner end of each chuck, said cover plate being provided with a second series of slots, said second series of slots being formed on a circle concentric with respect to said annular casing, a bearing adjustably mounted in each slot of said second series, an idler pinion gear journalled in each of said bearings, means for rotating said chucks comprising an annular ring gear in said casing and meshing with all of said idler gears, and a drive shaft for said ring gear, the arrangement being such that when said sleeve bearings are adjusted longitudinally of their radial slots each of said idler gear bearings may be adjusted in its respective concentric slot so that each idler gear will be continuously in mesh with said ring gear and with one of said pinion gears.

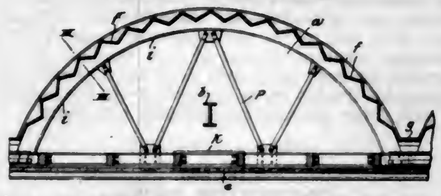
2,186,295
PROCESS OF MANUFACTURING TALL-OIL-FREE PULP FROM SOUTHERN PINE
Torsten Hasselstrom, New York, N. Y.
Application October 30, 1936, Serial No. 108,468
8 Claims. (Cl. 92—20)

2. In the process of manufacturing pulp by non-alkaline pulping highly resinous wood including southern pines and customarily carrying more than about 1% of combined tall oil the improvement which comprises suspending raw pulp containing more than about 1% combined tall oil in water to form a suspension, treating said suspension by washing on screen to separate fiber containing combined tall oil, repeating the steps of forming a suspension in water and separating fiber containing combined tall oil from said pulp suspension by washing on screen until the pulp contains less than about 1% combined tall oil, collecting the water used in forming said suspensions and in said separations together with fiber containing combined tall oil, purifying said collected water to obtain clarified water and fiber containing combined tall oil, and returning said clarified water substantially free from contaminants to a water circulating system for reuse,



whereby pulp from highly resinous wood substantially devoid of combined tall oil is obtained and water used for removing combined tall oil is recovered.

2,186,296
SPACE-CLOSING SUPPORTING STRUCTURE
Emil Moritz Hünnebeck, Dusseldorf, Germany
Application October 8, 1937, Serial No. 167,905
In Germany September 25, 1936
9 Claims. (Cl. 108—1)



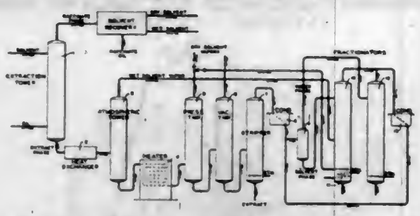
1. A space-closing supporting structure for buildings, comprising hollow bodies of sheet metal adapted to be supported on and extend between abutments, said bodies consisting of shallow arches curved transversely to the direction of support, said arches being constructed of corrugated metal sheets forming a self supporting armouring and being provided with bracings extending transversely to the direction of support, said metal sheets being corrugated in a transverse direction to the direction of support.

2,186,297
SPACE ENCLOSING SUPPORTING STRUCTURE
Emil Hünnebeck, Dusseldorf, Germany
Application February 10, 1938, Serial No. 189,741
In Germany September 23, 1937
12 Claims. (Cl. 108—1)



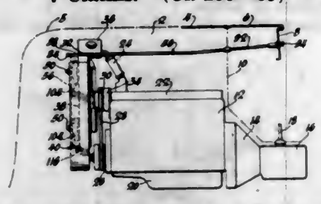
1. A space-enclosing supporting structure for halls, comprising a plurality of beam-like hollow elements composed of metal sheets, which lie next to one another, the metal sheets of each individual hollow element being corrugated in a transverse plane of said hollow element at least in the region of the compressive stresses, so as to increase the resistance to bulging and buckling.

2,186,298
SOLVENT REFINING OF HYDROCARBON OIL AND RECOVERY OF THE SOLVENT
Wynkoop Kiersted, Jr., Scarsdale, and Loren P. Scoville, Flushing, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 25, 1938, Serial No. 209,910
5 Claims. (Cl. 202—55)



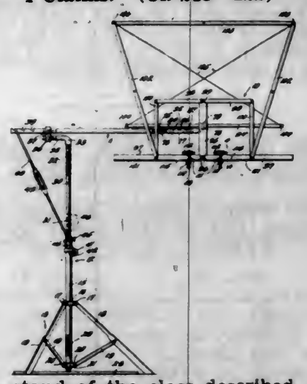
1. In the recovery of a selective solvent which is particularly miscible with water from a mixture of solvent and mineral hydrocarbon oil the steps comprising vaporizing from the oil a substantial portion of the solvent in a substantially non-aqueous condition, vaporizing remaining solvent from the oil in the presence of steam, forming a hot condensate of solvent and water, introducing said condensate to a separator, forming therein phases respectively rich in water and solvent, introducing the water-rich phase to a distilling column, distilling therefrom solvent mixed with a smaller proportion of water than that in the water-rich phase, withdrawing the unvaporized portion consisting essentially of water, introducing said solvent-rich phase to a separate distilling column, distilling therefrom water mixed with a smaller proportion of solvent than that in the solvent-rich phase, withdrawing unvaporized solvent substantially free from water from the bottom of said separate distilling column, condensing the distillate produced from both said columns, and conducting the condensed distillate to the aforesaid separator for further separation into phases in the presence of fresh solvent-water condensate.

2,186,299
AUXILIARY SHUTTER
Harold William Klas, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 13, 1937, Serial No. 125,527
7 Claims. (Cl. 180—69)



4. The combination with a radiator core, of a support therefor comprising side walls and a front wall formed integrally with said side walls, the front wall lying in a plane parallel to and spaced forwardly from the front face of the core, a shutter unit mounted in the space between the front wall and front face of the core, and resilient means carried by the shutter unit and adapted to engage said front and side walls for restraining movement of said unit.

2,186,300
STAND
William P. Lamar, Atlanta, Ga.
Application October 5, 1935, Serial No. 43,772
4 Claims. (Cl. 248—122)



4. In a stand of the class described, in combination, an extensible vertical standard comprising an internally threaded member and an externally threaded member, one received within the other whereby the vertical height of the standard may be adjusted by relative rotation of said members, a cross arm extending transversely of said standard at the top thereof, a bracket projecting laterally from said upper member and provided with a fulcrum for said cross arm offset with respect to the axis of said standard, a tie member connecting a projecting end of the cross arm with an intermediate point on the standard, a plurality of legs constituting a base for said standard and extending radially from the lower one of said members, and means for locking one of said members to the other only in rotated positions wherein said cross arm is above one of said legs.

2,186,301
UPHOLSTERED SEAT BACK STRUCTURE
Harold C. La More, Grand Rapids, Mich., assignor to The Irwin Seating Company, Grand Rapids, Mich.
Application February 3, 1939, Serial No. 254,438
8 Claims. (Cl. 155—184)



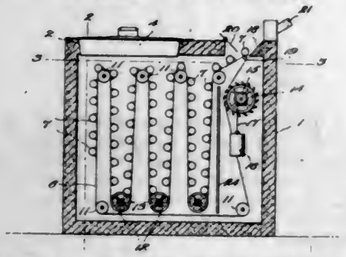
7. In a structure of the class described, the

combination of a body member provided with an inwardly facing upholstery receiving channel extending along the top and side edges of the body member, an upholstery panel, upholstery on said panel including a cover having its edges disposed around the edges of the panel, co-engaging means on said panel and body member engageable and disengageable with an upward movement of the panel acting to guide the top edges of the panel and upholstery into the top portion of said channel, and threaded means for forcing the top edge of the upholstery on the panel into the top portion of said channel and supporting the parts in their assembled position.

2,186,302

VENDING MACHINE FOR FROZEN CONFECTIONS AND VENDING BELT THEREFOR

James Wellford Martin, Yonkers, N. Y.
Application July 30, 1937, Serial No. 156,472
4 Claims. (Cl. 62—91.5)

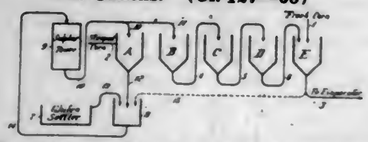


1. In a vending machine having means for spacedly supporting a plurality of packages of frozen confections, and having dispensing means for displacing said packages toward a discharge opening to expose to the exterior a single package at a time; refrigerating means for said machine, said refrigerating means comprising in combination a heat-insulated casing having substantially gas-tight bottom and side walls, a dry ice holding device in said casing adapted to hold dry ice for filling said casing with cold and dry gases and for maintaining a low temperature therein, and a permanently open discharge opening in the top portion of said casing through which gases produced by said dry ice continuously overflow and block the entrance of outer warm and moist air into the casing; said refrigerating means being adapted to cooperate with said dispensing means to surround them and the packages of frozen confections with an atmosphere considerably below its dew point whereby sticking and refreezing of said packages to the dispensing means is positively prevented.

2,186,303

PROCESS OF STEEPING CORN IN THE PRODUCTION OF STARCH

Rush O. McCoy, Berwyn, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application July 11, 1938, Serial No. 218,613
10 Claims. (Cl. 127—68)

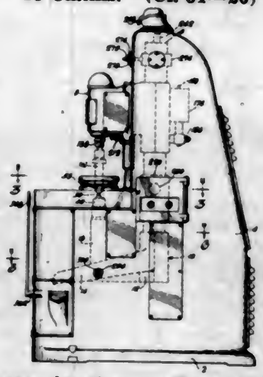


7. In the process of obtaining starch from corn which comprises steeping the corn with gluten settler water containing sulphur dioxide: the improvement which consists in adding corn solubles to the gluten settler water to give the steeping water a density of about 1.3°–2.0° Baumé whereby decrease of the paste viscosity of the starch is minimized.

2,186,304

GEAR LAPPING MACHINE

Edward R. Nyland, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 29, 1937, Serial No. 166,245
15 Claims. (Cl. 51—26)

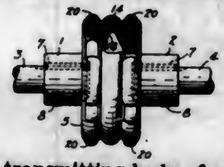


1. In a gear lapping machine, a lap, means for supporting said lap, means for supporting a helical gear in mesh with said lap, means for rotating one of said lap supporting and gear supporting means, said means for rotating one of said lap supporting and gear supporting means rotating the other of said lap supporting and gear supporting means through interengagement of the lap and gear, means for reciprocating said means for rotating one of said lap supporting and gear supporting means, and means for rocking the helical gear through an angle determined by the lead of the teeth of the lap and gear in timed relation with the reciprocation of said rotated means comprising, a rack connected with the reciprocating means, a gear engaging said rack, an arm connected to said gear and resilient means between said arm and the support for the helical gear to absorb any uneven forces.

2,186,305

FLEXIBLE COUPLING

Glenn H. Orr, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 16, 1938, Serial No. 208,142
14 Claims. (Cl. 64—11)

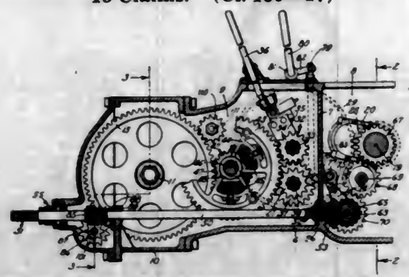


2. A torque transmitting body of resilient rubber composition for flexible couplings comprising a pair of spaced substantially circular beads disposed in substantially parallel relation to one another, an annular band portion having integral marginal portions, said marginal portions being connected to the beads radially inward from the outer edges of the beads and said beads and the central part of the band portion being of greater cross sectional thickness than the marginal portions of the band to concentrate deformation of the body in said marginal portions.

2,186,306

TRACTOR

Talbert W. Paul, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 5, 1937, Serial No. 157,556
15 Claims. (Cl. 180—17)

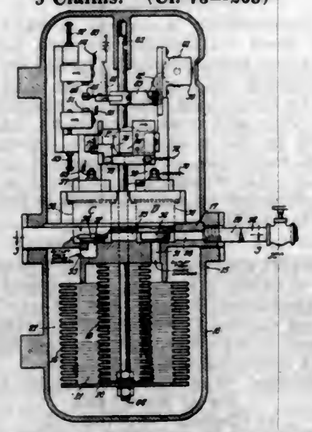


1. In a tractor having a pair of laterally spaced primary driving members, a clutch, and a selective speed transmission in serial connection for transmitting power from the tractor motor to said primary driving members to drive the latter in one direction, said transmission including means for transmitting power to either of said primary driving members separately, a secondary driving member connected with the tractor motor ahead of said clutch, and means including a pair of individually operated secondary clutches for optionally connecting said secondary driving member with either of said primary driving members to drive the latter in the opposite direction.

2,186,307

FLUID METER

Peter Paul Polko, Lyons, and William Alexander Lebus, Chicago, Ill., assignors to Merritt C. Penticoff, Evanston, Ill.
Application February 8, 1937, Serial No. 124,586
9 Claims. (Cl. 73—268)



1. In a device of the kind described and in combination, a housing, a plurality of diaphragms rigidly mounted adjacent one of their ends in said housing and forming inner and outer chambers in the housing, said housing having a plurality of inlet ports and outlet ports operatively related, respectively, to fluid supply and discharge conduits, each of said inlet ports and each of the outlet ports communicating, respectively, with said inner and outer chambers, and a plurality of electrically controlled valves associated, respectively, with said ports for controlling the passage of fluid therethrough, and means having a portion thereof connected to said diaphragms and movable therewith in opposite directions for actuating said valves.

2,186,308

SULPHONATED FATTY OILS AND METHOD OF MAKING SAME
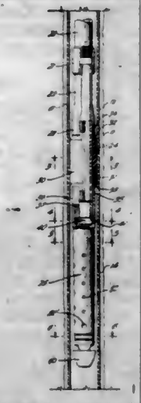
Charles Leonard Schuttig, Ridgefield Park, N. J., assignor to Arkansas Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 25, 1936, Serial No. 65,643
14 Claims. (Cl. 260—400)

1. A process of making a sulphonated oil which comprises reacting a fatty oil with sulphuric acid to produce the sulphonated oil, treating the reaction mixture with an aqueous salt solution, settling to permit formation of an aqueous layer, separating the aqueous layer from the sulphonated product, alkalizing the sulphonated product, said alkalizing being accomplished by the gradual addition of an alkali with agitation until an actual definite clouding is accomplished, the addition of alkali being stopped substantially before sufficient alkali is added to saponify the unsulphonated oils, permitting the mixture to stand until the sludge containing the unsulphonated oils and fatty acids separates as an upper layer, separating the sludge and then adjusting the alkalinity of the refined oil, said mixture being permitted to stand at a temperature not exceeding 75° C. during the separation of the sludge as an upper layer.

2,186,309

ROTARY WASHER FOR CASING PERFORATIONS

Bert Travis, Whittier, Calif.
Application October 12, 1938, Serial No. 234,588
9 Claims. (Cl. 166—20)



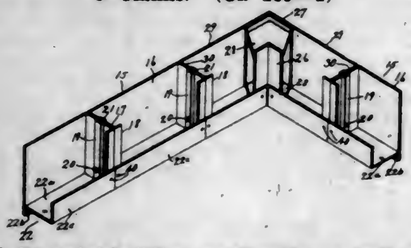
1. A well washer comprising in combination a tubular sub having means at its upper end for connection to a string of oil tubing and having a suspension cup at its lower end, an upper plug mounted on the said sub to have a slight clear-

ance with a perforated well casing, the said cup having a heavy cylindrical base with a series of vertical jet ducts arranged in a circle and a central duct, a suspension pipe connected to the lower portion of the said cup and connecting to the central duct, a bottom plug attached to the suspension pipe, said bottom plug having a jet duct discharging downwardly, a jet rotor including a cylindrical shaped structure surrounding the suspension pipe and rotatably supported on the bottom plug and having an upper end overlapping the cylindrical portion of the suspension cup, blades mounted in the cylindrical-like rotor and positioned to receive the downward flow of washing liquid through the circle of vertical jet ducts to rotate the rotor, said rotor having a plurality of spray jet ports to discharge washing liquid radially from the rotor.

2,186,310
METAL BUILDING CONSTRUCTION

Walter von Hoefen, Cleveland, Ohio, assignor to Metal Homes, Inc., Cleveland, Ohio, a corporation of Ohio

Application July 12, 1937, Serial No. 153,104
8 Claims. (Cl. 189—1)

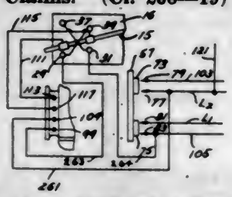


7. In metal building construction, a wall comprising a plurality of metal panels generally channel shape in section placed flange to flange, at least one of said panels having deformations extending inwardly from the outer face of its flange, and a metal bonding cement in said deformations adhesively securing contiguous flanges together.

2,186,311
DOOR CONTROLLING SYSTEM

Warren F. Weathers, Detroit, Mich., assignor to Horton Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application October 10, 1936, Serial No. 105,056
3 Claims. (Cl. 268—19)

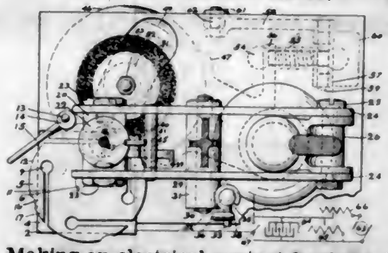


1. A garage door operating system having in combination, a pair of doors, a pair of motors, driving mechanism associated with each motor whereby a corresponding one of the doors is moved to opened or closed positions accordingly as the associated motor is operated in one direction or another, a source of electrical energy, switch means operated in accordance with the movement of each door for preparing reverse energizing circuits for the associated motor, a polarized relay for completing the motor energizing circuit last prepared for either motor by the associated switch means, a remote control circuit for actuating said relay, and means associated with said control circuit for providing current of selective polarity for actuating the relay to operate a selected one of the motors to open a corresponding one of the doors.

2,186,312
WELDING REFRACTORY METAL

Rudolf Wildermann, New York, N. Y.

Original application May 31, 1930, Serial No. 458,505. Divided and this application December 16, 1935, Serial No. 54,707. Renewed June 1, 1939
6 Claims. (Cl. 29—155.55)

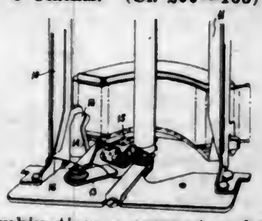


1. Making an electrical contact having a backing with a tungsten-type metal contact tip, comprising assembling a rod of said metal to the material of said backing and then providing said tip by cutting across said rod, while said material and said rod are held in their assembled alignment.

2,186,313
AUTOMATIC SWITCH AS USED IN TELEPHONE OR LIKE SYSTEMS

Denis Wright, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware

Application March 19, 1938, Serial No. 196,825
In Great Britain March 30, 1937
6 Claims. (Cl. 200—166)



1. In combination, a support, a bank of contacts in fixed relationship to said support, a switch having movable wipers, means for detachably mounting said switch upon said support thereby to place said wipers in operative relationship with said bank of contacts, and means controlled by the position of the wipers to prevent the mounting of said switch upon said support if said wipers are in such a position as to be damaged by said contacts in the mounting of the switch.

2,186,314
CONCENTRATION AND ISOLATION OF WATER-SOLUBLE VITAMINS

Stefan Ansbacher, Sidney, and George E. Flanigan and George C. Supplee, Bainbridge, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey

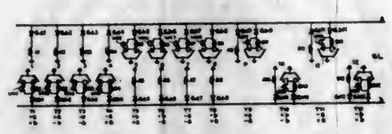
No Drawing. Application February 1, 1936, Serial No. 61,890
12 Claims. (Cl. 167—81)

1. In the separating of lactoflavin the steps of eluting an inorganic adsorbate containing it with an aqueous solution of acetone.

2,186,315
TELEPHONE SYSTEM

Kurt Baloun, Berlin-Haselhorst, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany

Application April 14, 1938, Serial No. 201,907
In Germany April 19, 1937
3 Claims. (Cl. 179—86)

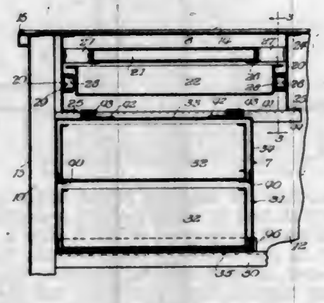


1. In a selecting system, a line having a pair of leads and having a plurality of stations thereon, a pair of relays at each station connected to the leads thereof only through unidirectional devices, a signalling device at each station also connected to a lead of the line only through a unidirectional device, sources of current of different polarity, and means for successively connecting a pair of said sources to the leads of the line to successively operate the pair of relays associated with a particular station, and for then operating the signalling device associated with that station only.

2,186,316
DESK

Albert Balster, Chicago, Ill.

Application July 21, 1937, Serial No. 154,707
2 Claims. (Cl. 45—6)

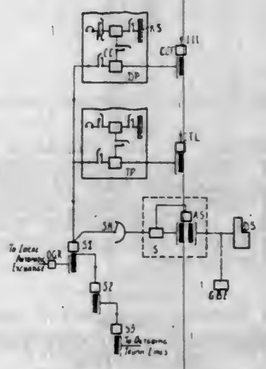


1. As a new article of manufacture, a desk comprising an elongated top, front and rear legs at the corners of the top for supporting the latter in an elevated position, a comparatively short front wall depending from the front margin of the top and extending between the upper ends of the front legs, an element fixedly secured in place and disposed behind said front wall, an independent drawer unit composed of a box-like cabinet having a drawer therein and positioned normally beneath one end of the elongated top and with the front thereof substantially flush with said front wall, and means for suspending the unit so that it may be removed from its normal position by forward sliding movement consisting of a pair of laterally spaced oppositely facing channel-shaped guideways extending between and having the ends thereof secured respectively to the front wall and said element, and a pair of laterally spaced slide bars fixedly connected to the top of the cabinet and designed and arranged to fit within and engage slidably said guideways.

2,186,317
TELEPHONE SYSTEM

Charles Edmund Beale and Idris Trevor Richards, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware

Application March 26, 1938, Serial No. 198,223
In Great Britain April 13, 1937
11 Claims. (Cl. 179—27)

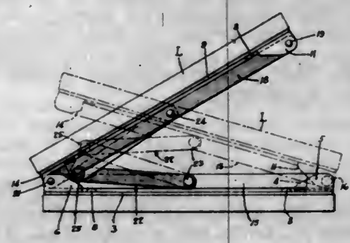


1. In a telephone system, trunk lines for extending calls over one or more routes, automatic switching equipment for controlling the extension of said calls, means for marking, in said equipment, those routes which are congested and have calls waiting, said marking for each congested route varying in accordance with the probable time required to complete said waiting calls and obtain a free trunk line in said route, a calling station, means at said calling station for seizing said equipment to extend a call over one of said routes and for transmitting to said equipment call-directing digits, and means in said equipment, effective if said one route is congested and has calls waiting, for automatically apprising the calling party of the probable length of delay before his call can be completed.

2,186,318
LAZY BACK

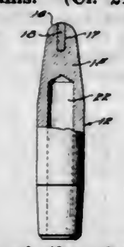
Urban R. Beck, Minneapolis, Minn.

Application June 24, 1938, Serial No. 215,603
9 Claims. (Cl. 16—138)



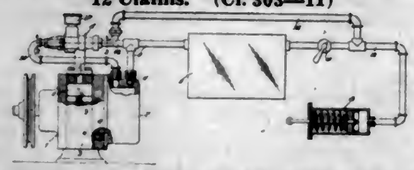
1. A hinge for reversibly connecting a lazy back to a seat, said hinge comprising means for inseparably connecting the lazy back to the seat, whereby its operative position may be selectively reversed with respect to the seat, and means whereby the lazy back may be folded into flatwise relation with respect to the seat, whereby it may be used as the seat portion, when not in use as a lazy back.

2,186,319
ELECTRICAL CONDUCTOR
Robert A. Bilton, Royal Oak, Mich.
Application November 29, 1937, Serial No. 177,070
8 Claims. (Cl. 219—4)



1. An electrode of the character described adapted for electrical circuit-forming contact, comprising, a conductor body of high electrical conductivity having a contact surface portion thereof, and a conductor member substantially harder than the body and supplementing the contact surface of the body.

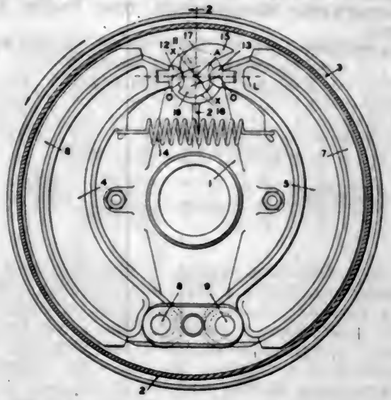
2,186,320
COMPRESSOR SHUT-OFF VALVE MECHANISM
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 5, 1938, Serial No. 217,485
12 Claims. (Cl. 303—11)



1. In apparatus of the class described, a fluid compressor provided with an intake port and an exhaust port, a fluid pressure receiver connected to the exhaust port, a fluid pressure-actuated system adapted to be operated by fluid pressure from the receiver, valve means comprising a movable valve member for controlling the intake, means for automatically moving said valve member to closed position when the pressure in the receiver is a predetermined value, a movable member for engaging the valve member to move it to a position to open the intake, a spring for normally biasing the member to an inoperative position independently of the valve, a fluid motor for actuating said movable member, and means for operating said fluid motor by pressure from the fluid pressure-actuated system when the latter is operated.

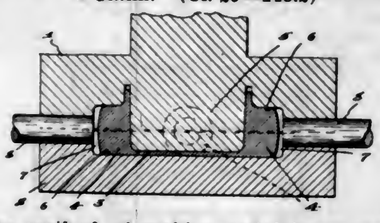
2,186,321
BRAKE ACTUATING CAM
Werner F. Boldt, Overland, and Steve Schnell, St. Louis, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 15, 1938, Serial No. 185,118
8 Claims. (Cl. 188—78)

1. In braking mechanism, a support, a drum, two brake shoes pivotally mounted on the support for cooperation with the drum and having adjacently positioned ends, friction linings carried by the shoes, and cam means rotatable on an axis fixed with respect to the support and adapted to actuate the adjacent ends of the shoes into engagement with the drum, the pitch of the actuating surface of the cam means which cooperates with the end of one of the shoes being greater than the pitch of the actuating surface of the



cam means which cooperates with the end of the other shoe and the pitch of each of the actuating surfaces of the cams being uniform throughout its operative range.

2,186,322
METHOD OF FORMING BOXES WITH ONE OR MORE NIPPLES
Charles S. Brown, Syracuse, N. Y.
Application May 8, 1937, Serial No. 141,506
1 Claim. (Cl. 29—148.2)

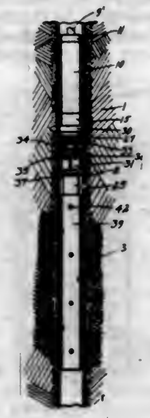


The method of making metal boxes open at one side with one or more conduit-receiving nipples, consisting in forging a blank into a boxlike body having one side open substantially throughout the area of said side, and one or more solid projecting nipples, then punching out the nipple or nipples in an axial direction from their outer ends inwardly while holding the nipple or nipples and the body to a predetermined shape during the punching operation, and finally cutting the wall of metal at the inner ends of the nipple or nipples so that the passage or passages of the nipple or nipples formed by the punching-displacing operation, open into the interior of the body.

2,186,323
CASING PERFORATOR
Cicero C. Brown, Houston, Tex.
Application April 5, 1937, Serial No. 134,966
8 Claims. (Cl. 166—1)

1. The method of perforating a well casing and testing the formation thereby opened to the interior of the well casing, comprising lowering an explosive charge down the well casing inside a body adapted to direct the force of the explosion against the well casing, packing off the well casing above the point at which the casing is to be perforated, firing the charge to perforate said

casing, and thereafter opening a testing chamber to the space within said casing below said



packing to receive a sample of the fluid entering the casing through the perforation formed.

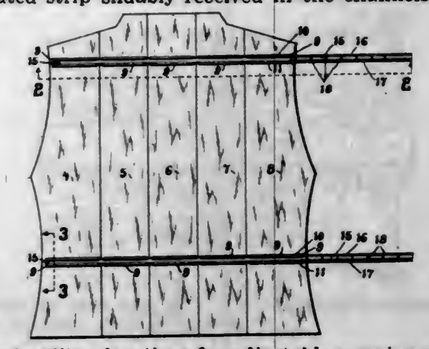
2,186,324
PACKER AND SETTING TOOL COMBINATION
Cicero C. Brown, Houston, Tex.
Application November 26, 1937, Serial No. 176,457
10 Claims. (Cl. 166—20)



1. In a packer assembly, a pair of telescoping parts having abutments thereon, a distortable packer element wound about said parts between said abutments, means for preventing movement of said parts away from each other, suspension means means releasably secured to the upper of said parts, and means carried by said suspension means for forming a seal between said suspension means and said upper part.

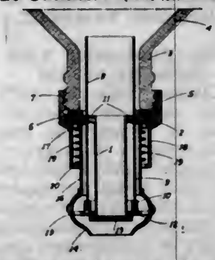
2,186,325
ADJUSTABLE PATTERN
John Bukovy, Akron, Ohio
Application August 26, 1938, Serial No. 226,934
4 Claims. (Cl. 33—14)

1. A pattern composed of a plurality of sections, a channel member secured to each section and disposed transversely thereof and an elongated strip slidably received in the channels on



a plurality of sections for adjustably securing said sections in assembled relation.

2,186,326
FAUCET
Romeo A. Casarotti, Oakland, Calif.
Application February 18, 1939, Serial No. 257,111
10 Claims. (Cl. 221—15)



1. A faucet comprising a liquid outlet tube, means to mount said tube on a container in a depending position relative thereto, a closure for the lower end of the tube, a nozzle mounted as a unit with and below and enclosing the closure and providing for a liquid flow within the nozzle from above to below the closure and means mounting the nozzle unit for downward movement from a tube closing position.

2,186,327
ORNAMENT
David H. Crosser, Chicago, Ill., assignor to National Tinsel Mfg. Co., Manitowoc, Wis., a corporation of Wisconsin
Application October 9, 1937, Serial No. 168,141
12 Claims. (Cl. 41—10)

12. An ornament comprising a base having an aperture formed therein, a bracket mounted on said base, a hollow supporting member removably mounted on said bracket, said supporting member being formed of screen-like material and of truncated cone-shaped form, a plurality of ornamental skirts having a plurality of apertures formed therein mounted on and surrounding said member at intervals spaced longitudinally thereof, a perforated cone-shaped skirt mounted on and extending above the upper end portion of said supporting member, each of said skirts having reflecting surfaces on the inner and outer sides thereof and extending downwardly to adjacent the horizontal plane of the upper end portion of a subjacent skirt, a vertically disposed supporting post mounted on said base substantially coincident with the axial line of said sup-

porting member, and a plurality of lamp holders



mounted on and spaced longitudinally of said post.

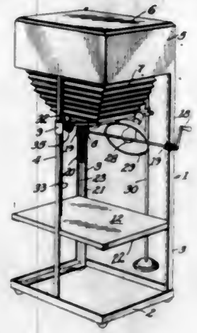
2,186,328
MAKING FERROUS ALLOYS
Fred C. T. Daniels, Bridgeville, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
No Drawing. Application April 8, 1938, Serial No. 200,891
4 Claims. (Cl. 75—127)

1. The herein described method of making chromium steel of dependable heat-hardening properties containing a substantial percentage of chromium below that normally included in stainless steels and which is approximately all in the form of carbides, which comprises making a major bath charge of ferrous metal containing lower percentages of carbon and chromium than ultimately desired, making separately a minor impregnating charge of ferrous metal containing higher percentages of carbon and chromium than the major charge and in which the carbon is included in a quantity to give at least one part of carbon to each four parts of chromium, and mixing the charges while molten in a proportional quantity of the impregnating charge to the major charge to give a total body of metal in which the chromium content is supplied preponderantly by the impregnating charge.

2,186,329
MAKING GRAY CAST IRON
Fred C. T. Daniels, Bridgeville, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
No Drawing. Application April 8, 1938, Serial No. 200,892
5 Claims. (Cl. 75—130)

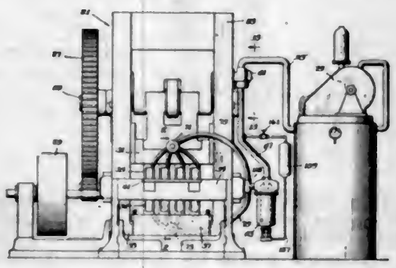
1. The herein described method of preparing gray cast iron which comprises making a major bath furnace charge of ferrous metal having the approximate composition of white cast iron, bringing the bath to its teeming temperature, and by mixing with the major bath charge of white cast iron when ready for teeming a minor charge of molten ferrous metal having a positive graphitizing balance and containing a proportion of carbon higher than that ultimately desired in the cast iron making a total charge of gray cast iron having a carbon content which upon solidification of the charge is largely in graphitic state and which is proportionally greater than in the bath charge of white cast iron.

2,186,330
COPYING, TRACING, AND REPRODUCING APPARATUS
John R. Fitzgerald, Columbus, Ohio
Application December 7, 1937, Serial No. 178,551
1 Claim. (Cl. 88—24)



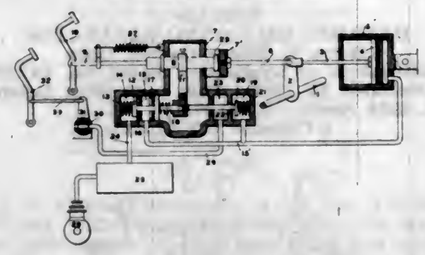
In copying, tracing and reproducing apparatus, a frame including a pair of spaced parallel vertically disposed angle bars, the latter having the edges thereof notched, a manually rotatable shaft positioned in the notches of said angle bars, bearing plates pivotally carried by said angle bars for effecting the rotatable support of said notches, clamping means carried by said angle bars for maintaining said plates in fixed positions of adjustment, a pair of gears rotatable with said shaft and disposed adjacent to the ends of the latter, vertical guides carried by said angle bars, gear racks vertically movable in said guides and disposed in meshing engagement with the teeth of said gears, and an object holder supported by and movable in unison with said racks.

2,186,331
VACUUM MOLDING
Leslie W. Flood and Earl B. Hagar, Chicago, Ill.
Application April 17, 1936, Serial No. 74,975
16 Claims. (Cl. 25—45)



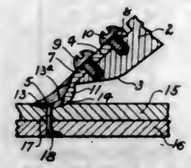
1. Apparatus for pressing bricks comprising a brick-pressing mold having openings in a pressing surface thereof, vacuum exhaust means, conduit means connecting the exhaust means with said opening whereby to effect vacuum conditions in the mold, valve means in said conduit means for selectively connecting said openings with said exhaust means and with atmosphere, means to actuate the mold to press a brick, and means operable in timed relationship with said actuating means for automatically operating said valve at predetermined times during the actuation of the mold.

2,186,332
BRAKING MECHANISM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 15, 1933, Serial No. 656,777
5 Claims. (Cl. 192—13)



1. In a motor vehicle provided with clutch mechanism and with braking apparatus, fluid-operated power means for actuating the brakes, a source of fluid pressure, a control valve for admitting fluid under pressure to the power means and exhausting it therefrom, an additional valve means communicating with the exhaust opening of the control valve for preventing the fluid under pressure from being exhausted from the power means notwithstanding the control valve is in an exhausting position, and means for controlling said additional means in response to a predetermined movement of an element of the clutch mechanism.

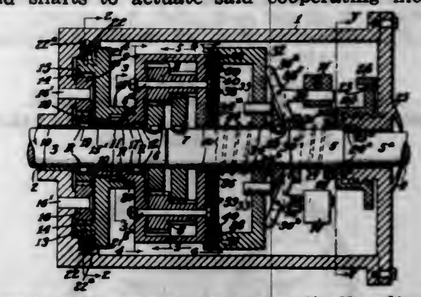
2,186,333
TACK PULLER
Ewald A. Giersch, Seattle, Wash.
Application August 23, 1938, Serial No. 226,278
2 Claims. (Cl. 254—25)



1. A tool for removing clinched tacks comprising a handle and shank, said shank having a fulcrum on the under side thereof, a claw on said shank and including a cup-shaped head having a notch therein forming a pair of tack engaging prongs and the bottom of said head being substantially thicker than the points of the prongs at a point rearward of the vertical axis of the head to form a fulcrum whereby the force applied through the latter fulcrum will straighten the clinched tack and force applied through the former fulcrum will withdraw the straightened tack.

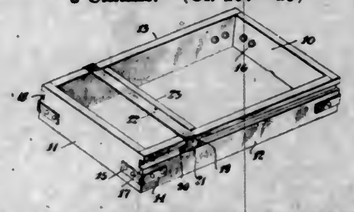
2,186,334
CHANGE SPEED SYSTEM
Jesse W. Hale, Newton Center, Mass.
Application June 18, 1934, Serial No. 731,089
38 Claims. (Cl. 74—260)

1. In a change speed device, a drive shaft and a driven shaft, a gear connection of desired ratio between said shafts, a gear casing rotatably and slidably mounted on said shafts, means cooperating with said casing to increase and decrease said gear ratio, a governor responsive to the speed of the driven shaft to slide said casing on said shafts to actuate said cooperating means



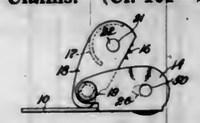
whereby said gear ratio is automatically adjusted to produce desired speeds.

2,186,335
SANITARY DOUGH SHAPER
William Halpern, New York, N. Y.
Application July 23, 1938, Serial No. 220,843
3 Claims. (Cl. 107—19)



1. A sanitary dough shaper for bread baking including side and end walls constituting a frame containing the dough, rust-proof angle pieces and rivets connecting said side and end walls, said side walls being grooved, rollers displaceable in said grooves and means to operate said rollers to move to and fro in their grooves, said means equipped with wipers for the removal of any surplus dough.

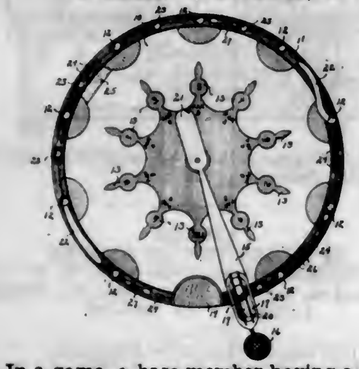
2,186,336
CHECK MARKING DEVICE
Richard I. Heller, Los Angeles, Calif.
Application October 5, 1938, Serial No. 233,375
5 Claims. (Cl. 101—22)



1. A marking mechanism of the character described, comprising a main frame including a base made with a series of check-supporting rails which are relatively spaced apart to provide slots between them; a carrier frame including a transversely disposed intermediate portion provided at its opposite ends with arms pivotally connected with said main frame adjacent to the opposite sides of said base so as to provide for up and down swinging movement of said carrier frame and also for lateral sliding movement thereof to a limited extent in a direction lengthwise of said slots; marking devices disposed above said base and rotatably supported by said carrier frame, said devices penetrating the check and projecting into said slots when said carrier frame occupies its lowermost position; means for locking said carrier frame in its lowermost position when it is shifted into check-marking position,

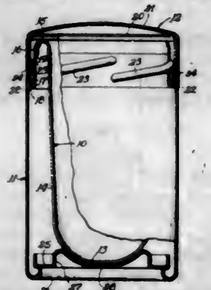
and means for unlocking said carrier frame when it is slid laterally away from check-marking position.

2,186,337
GAME APPARATUS
Adelbert J. Jackson, Kalamazoo, Mich.
Application December 17, 1938, Serial No. 246,356
7 Claims. (Cl. 273—35)



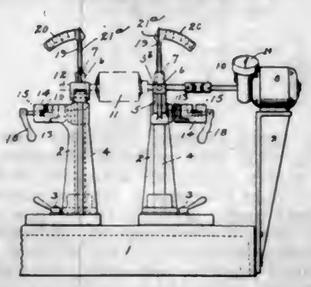
1. In a game, a base member having a circular track, ball receiving depressions in said track, an arm rotatably mounted on said base member having a passageway communicating with said track, a ball element in said passageway and capable of engaging said track and said ball receiving depressions at times, and a ball element rigidly secured to said arm designed to be struck by the player for moving said arm relative to said base member.

2,186,338
METALLIC CONTAINER
Wallace C. Mills, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a corporation of Illinois
Application November 4, 1936, Serial No. 109,067
2 Claims. (Cl. 220—10)



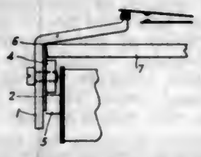
2. A container of the class set forth comprising a cup-shaped inner shell and an outer shell disposed in spaced relation, the outer shell having its upper end portion offset inwardly to form an annular shoulder spaced below the upper end of the outer shell and providing an integral threaded neck portion on the outer shell, said neck portion being spaced outwardly from the upper end of the inner shell and said inner shell having an outwardly flaring lip at its upper end overlapping the upper end of the neck portion of the outer shell and closing the upper end of the space between the two shells, the overlapping portion of the lip extending down about the neck in substantially flush relation with the threaded portion of the latter and constituting an extension thereof, and a cover having a skirt fitting over the neck portion of the outer shell and having a screw threaded connection with the outer shell through the integral neck portion thereof.

2,186,339
DYNAMIC BALANCING APPARATUS
Harry W. Moore, Dayton, Ohio
Continuation of application Serial No. 582,327, December 21, 1931. This application October 5, 1936, Serial No. 104,075
4 Claims. (Cl. 73—51)



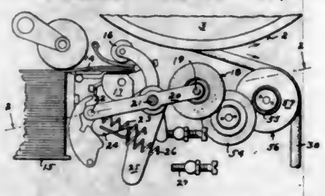
1. In an apparatus for testing the dynamically unbalanced condition of a rotating body, the combination including a bed, at least a pair of oscillatable bearings arranged for horizontal movement on said bed provided with means for alternately locking the bearings against oscillation, circuit means including pairs of electrical contacts, one pair for each bearing adapted to be closed by the horizontal movement thereof, a support, means for rotating the support in synchronism with the body to be tested, and indicating means including a neon light mounted upon said support and included in said circuit to be energized by the closing of said contacts to indicate the angle of the unbalance as reflected by the vibrating bearing.

2,186,340
ELECTROMAGNETIC RELAY
Konrad Müller, Berlin-Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application February 25, 1937, Serial No. 127,581
In Germany March 14, 1936
4 Claims. (Cl. 175—345)



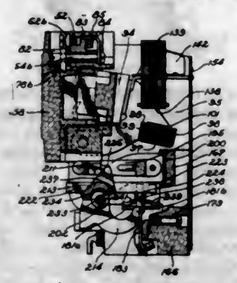
1. In an electromagnetic relay, a pivotal armature, a yoke having a knife edge forming the fulcrum for said armature, a non-magnetic spacer plate on said armature for preventing the armature from contacting the core of said relay and extending along said armature to form the surface that engages the knife edge upon which the armature pivots on said fulcrum, and a retaining plate mounted on said armature between the core of said relay and said yoke for clamping said spacer against said armature.

2,186,341
IMPRESSION ROLLER CONTROL
Ferdinand Nigra, San Francisco, Calif., assignor to Niagara Duplicator Co., San Francisco, Calif.
Application May 9, 1938, Serial No. 206,768
4 Claims. (Cl. 101—118)



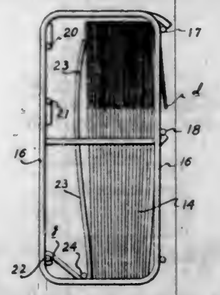
1. In a rotary duplicator or the like, a driven printing cylinder, an impression roller for coaction with said cylinder to press a sheet of print-receiving material against the cylinder and to be rotated solely by reason of its contact with the sheet, a frame carrying said roller for its lateral movement to and from an operative relation thereof to the cylinder, means for automatically effecting both said movements of the roller once during each operative cycle of the cylinder, and means automatically operative to maintain the rotary speed of the roller at its operative value while the roller is inoperatively disposed with respect to the cylinder.

2,186,342
MAGNETIC SWITCH
Joseph H. Pengilly, Los Angeles, John G. Moyen, Glendale, Harold A. Duvall, Los Angeles, and Lawrence G. Maechtlen, Beverly Hills, Calif., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 20, 1937, Serial No. 143,776
8 Claims. (Cl. 200—6)



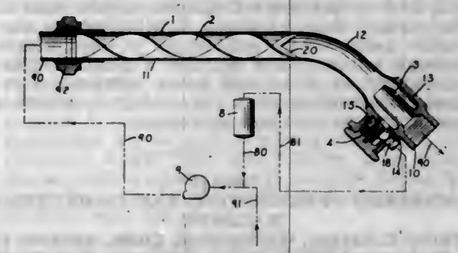
1. In a switch of the character described, the combination of: upper and lower walls spaced apart so as to define an opening; pairs of contacts spaced apart laterally in said opening, one contact of each pair projecting downward from the upper of said walls and the other contact of each pair projecting upward from the lower of said walls; a body in the rearward part of said opening; means for mounting said body so that it may move forward and rearward in said opening; movable contacts mounted on the front of said body in laterally spaced relation and in such position that each of them will cooperate with a pair of said first named contacts; and a cover adapted to be secured to the front of said walls so as to close said opening, said cover having wall members projecting inwardly from the rearward face thereof and in positions to lie between adjacent pairs of laterally spaced contacts so as to form in said opening compartments in which pairs of said contacts are disposed.

2,186,343
RETAINER FOR PAPER BAGS
William F. Potts, Fort Worth, Tex.
Application March 28, 1938, Serial No. 198,407
1 Claim. (Cl. 211—51)



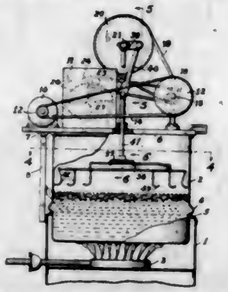
A paper bag holder comprising a pair of rectangular wire side members, horizontally disposed and vertically spaced bars secured to the front and rear edges of the side members to hold the same in parallel spaced relation, one of said bars at the front of the holder being disposed adjacent the top thereof and another bar being disposed substantially midway between the top and bottom of the holder, a plurality of substantially C-shaped wire members disposed in spaced relation between said side members and secured to all of said bars, the respective ends of said C-shaped members being secured to said upper and intermediate front bars, whereby to provide an upper front opening in the holder, and a U-shaped spring follower secured within the rear portion of said holder and adapted to urge a pack of paper bags in said holder toward the front opening through which the foremost bags of the pack may be withdrawn.

2,186,344
OIL-AIR SEPARATOR
Nathan C. Price, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application April 2, 1938, Serial No. 199,690
5 Claims. (Cl. 183—80)



1. A device to separate air from liquid, comprising a tube adapted to be connected in an air pressure line, means adjacent its feed end to direct the liquid-laden air centrifugally adjacent its walls, an air discharge nozzle at its discharge end spaced inwardly from its walls, liquid discharge means at its discharge end, the tube between its ends following a curve, the extent of the curvature and the length of the nozzle, within the tube, being such that prolongation of lines through the feed end of the tube, parallel to its axis, will miss the entrance of the nozzle.

2,186,345
POTATO CHIP FRYER AND AGITATOR
Jordan A. Reidenbach, Ashland, Ohio
Application May 17, 1939, Serial No. 274,269
3 Claims. (Cl. 259—113)



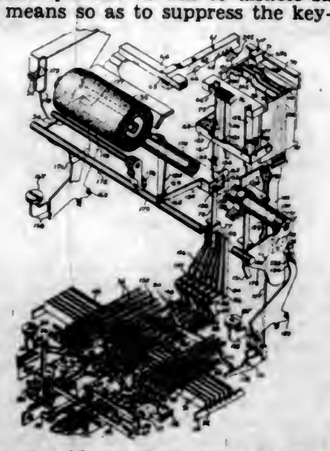
1. In a food cooker, a container, a support hinged to the container, an agitator depending from the support and movable axially within the container, means on the support for moving the agitator axially of the container, said agitator being movable independently of the support in a transverse direction when the support is swung to withdraw the agitator from the container, said agitator including a frame comprising a plurality of ring members, transverse members for supporting said rings in spaced relation, fingers depending from said rings for engagement with the food in the container whereby to uniformly and thoroughly immerse the food particles in a cooking medium in the container during a cooking operation.

2,186,346
LUBRICATING OIL COMPOSITION
Vernon L. Ricketts, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 18, 1937, Serial No. 164,576
12 Claims. (Cl. 87—9)

1. A liquid lubricating oil composition comprising a mineral lubricating oil and a small amount of a salt combining an element selected from the group consisting of polyvalent metallic and amphoteric elements, with a higher fatty acid having not more than one double bond in the carbon chain to which is attached an aromatic hydrocarbon radical as a side branch through a link of one or more aliphatic carbon atoms said small amount being sufficient to inhibit ring sticking when the said composition is used in internal combustion engines.

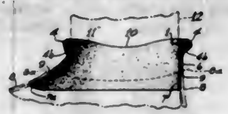
2,186,347
COMBINED TYPEWRITING AND COMPUTING MACHINE
Walter T. Sagner, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application January 19, 1938, Serial No. 185,721
15 Claims. (Cl. 235—60)

1. In a combined typewriting and computing machine having a plurality of registers, the combination with a set of digit type-keys, a typing carriage controlled by said keys, and a plurality of selectable sets, one set for each register, of indexable computing-wheel drivers of different denominations; of a single denominational series of jacks operable seriatim by said carriage to select the drivers of a selected set seriatim for digit-indexing operations controlled by said keys, key-locking means normally cooperative with a certain one of said jacks, as the latter is operated by said carriage, to lock said digit type-keys, and means operable at will to disable said key-locking means so as to suppress the key-locking



function of said one jack, whereby to cause a certain one of said drivers to be indexed by means of one of said keys, means being provided to cooperate with said one jack to invariably select said one driver for the indexing operation independently of whether or not the keys are locked.

2,186,348
SHOE POLISHING GUARD
Francis C. Shearing, Burlingame, Calif.
Application December 17, 1938, Serial No. 246,384
5 Claims. (Cl. 36—70)



1. A shoe polishing guard comprising a single molded piece of resilient material designed to encircle the leg at a point adjacent to the top of a shoe, said material being split in order to receive the leg and having overlapping flaps positioned at the split, the upper edge of the guard having an integral rib that causes the guard to snugly engage with the leg, said rib also acting as a guide for a polishing cloth for preventing the cloth from touching the stocking, a circumferential flap extending around the bottom of the guard and forming a shoulder at its joinder with the main body of the guard, said shoulder being adapted to rest on the upper edge of the shoe and determine the depth at which the guard enters the shoe.

2,186,349
METHOD FOR ACIDIZING WELLS
John T. Simmons, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application January 9, 1937, Serial No. 119,787
4 Claims. (Cl. 166—21)

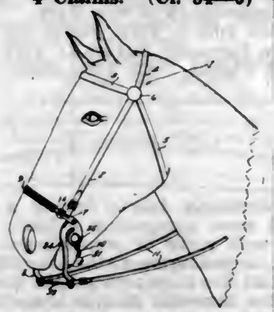
1. The method of treating a stratum of a well with a fluid while preventing the fluid from contacting a lower stratum of the well which includes placing a conduit in the well, setting a packer between the said strata, opening the conduit above said packer, pumping the treating fluid under pressure into the upper stratum to be

treated through said conduit ond opening, closing the opening to hold the pressure in the fluid and



allowing the treating fluid to react with the formation while under pressure.

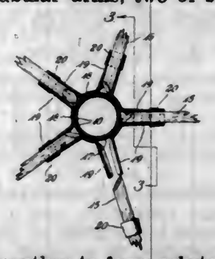
2,186,350
LEVERAGE HACKAMORE BRIDLE
William I. Simon, Kirkland, Ariz.
Application June 23, 1939, Serial No. 280,822
4 Claims. (Cl. 54—6)



1. A leverage hackamore having a head stall including cheek straps, in combination with a pair of cheek plates adjustably supported on said cheek straps, a flexible nose band archedly supported by said cheek plates to rest high on the nose bridle of the horse, rein levers pivotally supported on and normally depending from said cheek plates, said rein levers each having downwardly depending rein levers and downward and slightly rearwardly extending curb levers joined at the top by an arched connecting web, rings attached at the lower ends of said levers, the center of the rings on said curb levers being positioned forward of the alinement of said nose band and the pivotal support of said rein levers and a curb chain depending between the rings on said curb lever arms.

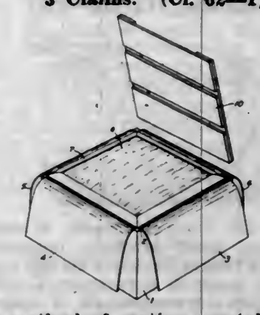
2,186,351
SEMIARTIFICIAL CHRISTMAS TREE
Paul Stojaneck, Detroit, Mich.
Application September 12, 1938, Serial No. 229,597
2 Claims. (Cl. 41—15)

2. Artificial tree structure comprising an upright member formed of tapered sections telescopically assembled to form the trunk of the tree, a base secured to the lowermost section, rings encircling respective sections at the lower ends of the sections, a plurality of socket members carried by the rings for receiving branches taken from live trees, said socket members being each formed of an arcuate bracket secured to the respective ring and having terminal radially extending semitubular arms, two of said arms be-



ing mounted together to form substantially tubular holders for receiving the live tree branches, and ferrules on the ends of each two arms forming a single socket member adapted to compress said arms together for clamping engagement with the tree branches.

2,186,352
METHOD AND MEANS FOR ICE CRATING VEGETABLES
Levin M. Tracy, Salinas, Calif.
Application February 20, 1939, Serial No. 257,382
3 Claims. (Cl. 62—1)
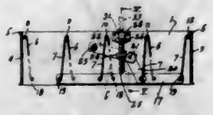


1. The method of crating vegetables which includes paper lining a crate with the ends or flaps of the lining hanging out of the upper open side of the crate, packing the vegetables within the crate together with cracked ice to a point below the top of the crate, placing retaining walls of stiff material within the crate and liner to project upwardly above the crate, continuing the packing of the crate to completion and placing a layer of cracked ice over the upper layer of vegetables within said retaining walls and substantially below their upper edges, then folding the projecting retaining walls and the lining flaps inwardly over the ice layer, and securing a lid in place over the crate.

2,186,353
ADJUSTABLE DAMPER
Charles S. Wheeler, Los Angeles, Calif., assignor to Controlair Manufacturing Co., a partnership firm composed of Charles S. Wheeler, an individual, and H. S. McClelland, Inc., a corporation of California
Application June 27, 1938, Serial No. 216,061
3 Claims. (Cl. 98—110)

1. A device of the type described, comprising a pair of spaced apart frame members, a first vane positioned between said frame members and supported for swinging movement about an axis ex-

tending between said frame members, a second vane mounted for swinging movement between said frame members about an axis parallel to the axis of said first vane, a shaft extending between said frame members and rotatably supported thereby, a pair of arms secured to said shaft for rotation thereby, one arm being positioned adjacent one of said frame members and the other



arm being positioned adjacent the other frame member, means connecting one of said arms to one of said vanes for rotation of that vane about its axis in response to rotation of said shaft, means connecting the other arm to the other vane for rotation of the said other vane by the shaft simultaneously with but in a direction opposite to the direction of rotation of said one vane, and means for rotating said shaft.

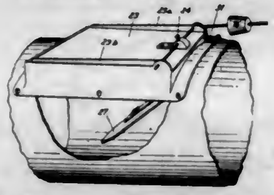
2,186,354

DRAFT CONTROL MEANS

Jesse E. Whetstine, Cedar Rapids, Iowa, assignor of one-half to H. Everett Rosenberg, Cedar Rapids, Iowa

Application February 3, 1938, Serial No. 188,490

2 Claims. (Cl. 126—293)



1. In a draft control means, a rectangular frame, a cross shaft pivotally engaged within the frame, the frame having a flange for mounting it on the stack of a furnace, a check draft door engaged on the cross shaft, a strap engaged on the check draft door, a damper engaged on the strap, and the cross shaft being bent at right angles thereto to afford means for mounting a counter-weight thereon, and a counter-weight mounted on the bent portion of the cross shaft.

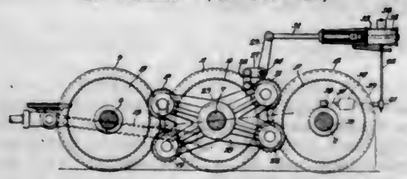
2,186,355

LOCOMOTIVE GEAR DRIVE

Lyndon F. Wilson, Chicago, Ill., assignor to Wilson Engineering Corporation, Chicago, Ill., a corporation of Delaware

Application March 28, 1938, Serial No. 198,438

13 Claims. (Cl. 105—48)



1. In a locomotive having a plurality of pairs of drive wheels, the combination of means permanently connected to one pair of wheels to drive said pair of wheels, a disconnectible connection for transmitting power from said one pair of drive wheels to the remaining drive wheels, said connection including a plurality of alternately operable gears, and means for positioning said gears in operative and inoperative positions.

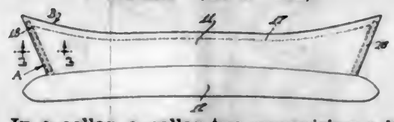
2,186,356

COLLAR

Ludwig Bihaly, London, England, assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York

Application November 23, 1937, Serial No. 176,052

7 Claims. (Cl. 2—131)



1. In a collar, a collar top comprising a lining ply and face plies adhesively united, a strip of fabric secured to each end of the collar top below the lining ply, said fabric strips extending substantially transversely to the length of the collar and having a substantially greater shrinkage in that direction than the corresponding shrinkage of the plies.

2,186,357

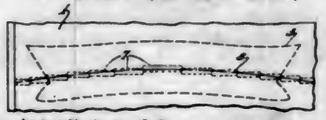
INTERLINING FABRIC

Ludwig Bihaly, London, England, assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York

Application July 2, 1938, Serial No. 217,181

In Germany August 31, 1937

5 Claims. (Cl. 139—385.5)



1. An interlining fabric having a predetermined fold zone, comprising a fabric woven of warp and weft yarns of non-adhesive material, said fabric including yarns of latently adhesive material that are interwoven with the yarns of non-adhesive material in the areas above and below the fold zone but are not interwoven therewith in the area of the fold zone, said yarns of latently adhesive material arranged to float over the yarns of the non-adhesive material on one surface only of the fabric in the area of the fold zone.

2,186,358

FILLING MACHINE

Victor Ramon Boulich, St. Janvier, Quebec, Canada

Application November 7, 1938, Serial No. 239,312

3 Claims. (Cl. 221—100)



1. In a filling machine, a filling tank, a supply receptacle connected to said tank for supplying said tank with liquid, outlets extending from a level in said tank, and a levelling tank connected to said filling tank below said level for draining the latter to a level below the first named level.

2,186,359

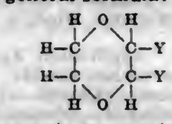
COPOLYMERS OF STYRENE AND METHOD OF MAKING THE SAME

Edgar C. Britton, Midland, Mich., and Harry Borden Marshall, Toronto, Ontario, Canada, and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 23, 1938, Serial No. 191,958

20 Claims. (Cl. 260—86)

1. The process which comprises polymerizing a mixture of styrene and a dioxane derivative selected from the group consisting of unsaturated esters and unsaturated ethers of 1.4-dioxanediol-2.3 having the general formula:



wherein Y represents an unsaturated radical selected from the group consisting of ester and ether radicals containing at least one ethylenic linkage.

2,186,360

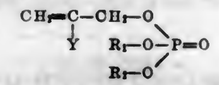
STYRENE COPOLYMERS

Edgar C. Britton, Midland, Mich., Harry Borden Marshall, Toronto, Ontario, Canada, and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 23, 1938, Serial No. 191,960

15 Claims. (Cl. 260—86)

9. The products of the conjoint polymerization of styrene and a phosphoric acid ester having the general formula



wherein Y represents a substituent selected from the class consisting of alkyl radicals and hydrogen, and R_1 and R_2 each represent a hydrocarbon group.

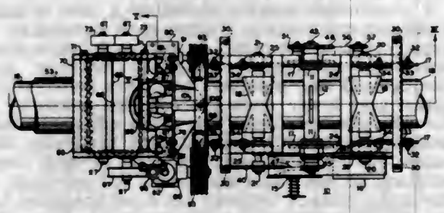
2,186,361

APPARATUS FOR COATING PIPE

Lloyd Bryan, Los Angeles, and William R. Postlewaite, San Francisco, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application October 22, 1938, Serial No. 236,410

12 Claims. (Cl. 25—38)



1. In a device for continuously applying a coating of mastic to a pipe, a nozzle having a longitudinal bore spaced from said pipe, a mastic entrance opening for said nozzle transverse to the axis of said bore, a mastic pump communicating with said entrance opening, tractor means for engaging said pipe and moving said device relatively thereto, and means forming a flexible connection between said nozzle and said tractor means.

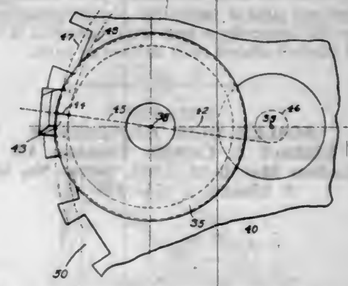
2,186,362

METHOD OF RELIEF GRINDING CUTTER BLADES

Allan H. Candee, Rochester, and Ernest Wildhaber, Irondequoit, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Original application February 11, 1937, Serial No. 125,232. Divided and this application December 8, 1937, Serial No. 178,788

9 Claims. (Cl. 51—278)



4. The method of relieving a side surface of a face-mill gear cutter blade which comprises mounting the blade in a rotary head, engaging a rotary grinding wheel with the blade so that the wheel contacts with the side surface to be ground along a line lying in a plane offset from the axis of the head and tangent to a cylinder circumscribed about the axis of the head and rotating the wheel and head on their respective axes while producing a relative movement between the wheel and head axially of the head.

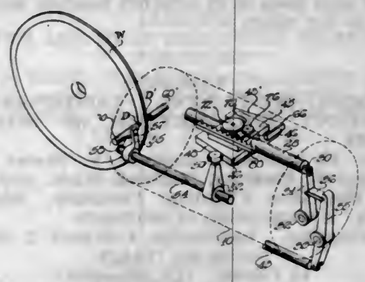
2,186,363

DRESSING MECHANISM

Allan H. Candee and George O. Richmond, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Application July 24, 1939, Serial No. 286,080

9 Claims. (Cl. 125—11)

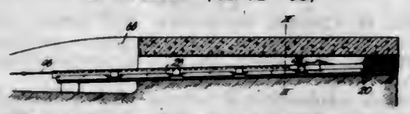


1. In a dressing mechanism, a dressing tool, means for imparting a straight line movement to the dressing tool in one direction, and means for simultaneously imparting to the tool a second straight line movement in a different direction, the latter means comprising a slidable guide member having a straight guide surface inclined to its direction of sliding movement, means operatively connecting the guide member to the tool to move the tool on movement of the guide member, and means for moving the guide member at a varying velocity.

2,186,364
METHOD OF AND MEANS FOR INSTALLING SUBDRAIN PIPE

Firman L. Carswell, Johnson County, Kans., and Otto W. Schmidt, Kansas City, Mo.

Application June 21, 1939, Serial No. 280,330
10 Claims. (Cl. 61—63)

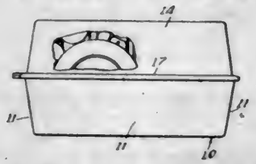


1. Means for installing a subdrain pipe in a tunnel comprising a drainage pipe; a trough slidably secured to said drainage pipe positioned in said tunnel; and a tamping tool operable within said trough whereby a pervious material is tamped in said tunnel about said drainage pipe.

2,186,365
SOILED DISH CONTAINER

Richard C. Castles, Chicago, Ill.

Application March 26, 1937, Serial No. 133,169
2 Claims. (Cl. 220—8)



1. A soiled dish container comprising a pair of twin nestable pans of thin sheet material, one of said pans being shallower than the other to be nested within the other, and both of said pans equipped with flaring peripheral walls terminating in outwardly projecting edge flanges of unlike configuration such that one flange flares outwardly and upwardly with respect to the open side of the pan, and the other flange flares outwardly and downwardly with respect to the open side of the pan; said flanges being of equal dimensions so that they may contact each other when the pans are in nested position to prevent wedging action between the flared walls of the pans, and contact each other to prevent relative lateral movement between the twin pans when one of said pans is in inverted position with respect to the other.

2,186,366
HALOGEN-CONTAINING CONDENSATION PRODUCT AND METHOD OF MAKING SAME

Gerald H. Coleman, Garnett V. Moore, and George B. Stratton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 3, 1937, Serial No. 123,898
16 Claims. (Cl. 260—649)

1. The method which comprises reacting a nuclear halogenated benzene hydrocarbon, containing not more than 2 substituents in the benzene ring, with between about 1 and about 5 molecular equivalents of an ethylene halide in the presence of a Friedel-Crafts catalyst.

11. An elastic halogen-containing product, substantially insoluble in benzene, prepared by reacting a nuclear halogenated benzene hydrocarbon, containing not more than 2 substituents in the benzene ring, with from 1 to 5 molecular equivalents of an ethylene halide in the presence of a Friedel-Crafts catalyst, said product containing the catalyst used in its preparation.

12. A non-elastic halogen-containing product, substantially insoluble in benzene, prepared by reacting a nuclear halogenated benzene hydrocarbon, containing not more than 2 substituents in the benzene ring, with from 1 to 5 molecular equivalents of an ethylene halide in the presence of an aluminum halide catalyst, and thereafter removing the aluminum halide from the reacted mixture.

2,186,367
HALO-ARYL ETHERS

Gerald H. Coleman and George B. Stratton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 28, 1937, Serial No. 139,580
6 Claims. (Cl. 260—612)

1. An ether having the general formula;

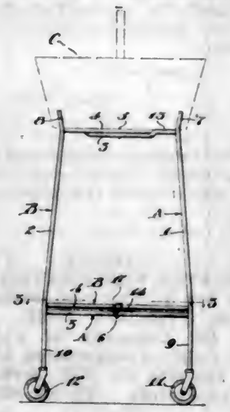
$$Cl—C_nH_{2n}—CH(R)—O—Aryl—X_{n'}$$

wherein R represents a substituent selected from the class consisting of hydrogen and alkyl substituents, Aryl represents an aromatic radical of the benzene series, X represents halogen attached to the nucleus of said aromatic radical, and n and n' are integers.

2,186,368
COMMODITY CARRIER

Herbert A. Conger, Glendale, Calif.

Application August 31, 1938, Serial No. 227,747
1 Claim. (Cl. 280—36)



A commodity carrier including a pair of substantially rectangular frames each consisting of a pair of side members, upper and lower cross members extending horizontally between and joining said side members at points between the upper and lower ends thereof, the portions of the side members below the lower cross members being substantially straight and vertically disposed, casters on the lower ends of said lower portions of said side members, the portions of the side members between the cross members being upwardly converged, the portions of the side members above the upper cross members being slanted outwardly from the ends of said upper cross members and the distance between the upper end of said outwardly slanted portions being less than the distance between the lower ends of said side members to stabilize the carrier, means pivotally connecting the upper and lower cross members of said frames with one another at points centrally of their ends whereby the frames may be relatively adjusted to provide a carrier space of varying dimensions between said outwardly slanted portions and upon said upper cross members and means for locking said frames in adjusted positions, said means being located on the lower cross members whereby access thereto may be had, and operation thereof be effected when the carrier space is occupied, said locking means including a disk fixed to one of said lower cross members and having an arcuate series of apertures therein, the other of said lower cross members having an aperture registrable with any one of the apertures of said series, a pin insertable thru the aperture of said cross member and disk, and a flexible tie element for securing said pin to one of said lower cross members.

2,186,369
ADHESIVE

Theodore Williams Dike, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Application February 6, 1935, Serial No. 5,275
4 Claims. (Cl. 260—30)

1. The process of making a spreadable adhesive which consists of suspending in water a partially polymerized phenol resin in a powdered form finer than forty mesh and coarser than eighty mesh, said resin being polymerized to a state where it is soluble in a cold 10% solution of caustic soda and not beyond a state where it is soluble in a hot 20% solution of caustic soda, and adding a solution of an alkali metal hydroxide of sufficient concentration to dissolve the previously water insoluble resin whereby an adhesive is formed of the dissolved resin which is capable of being polymerized by heat and pressure and which reacts with wood to form a deep seated bond.

2,186,370
MANUFACTURE OF CYCLOHEXENE

Robert C. Dosser, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

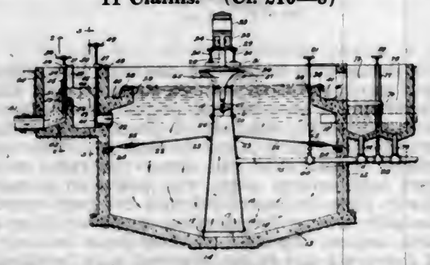
No Drawing. Application March 26, 1938, Serial No. 198,273
7 Claims. (Cl. 260—666)

1. The process of preparing cyclohexene which comprises heating a cyclohexyl halide in the presence of an aluminum hydrosilicate bleaching clay.

2,186,371
APPARATUS FOR AND METHOD OF REMOVING SUPERNATANT MATTER FROM SEWAGE AND OTHER LIQUIDS

Augustus C. Durdin, Jr., Lincolnwood, Ill.

Application August 12, 1937, Serial No. 158,778
11 Claims. (Cl. 210—8)

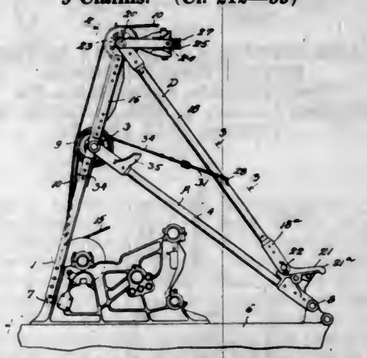


1. Apparatus for the treatment of sewage and other liquids comprising a tank, means for agitating the middle surface portion of the tank contents whereby to produce waves thereon, that progress outwardly in radial directions from said middle portion, and a spillway for separating supernatant matter from the tank contents, said spillway having a weir over which supernatant matter, floating on the tank contents is washed by the waves.

2,186,372
COLLAPSIBLE A-FRAME STRUCTURE FOR SHOVELS, CRANES, OR THE LIKE

Stanley B. Eigh, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application March 11, 1936, Serial No. 68,316
9 Claims. (Cl. 212—59)

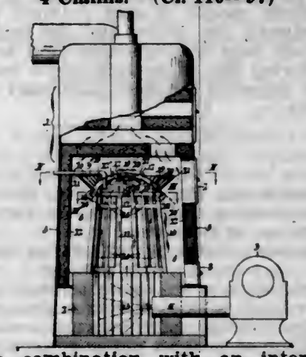


1. In a crane of the class described, in combination, a crane body, a boom pivoted thereto for raising and lowering movement, hoist cable mechanism for raising and lowering the boom carried by the body, a combination A-frame structure on the body including a low A-frame and a high A-frame superposed upon the low A-frame, both the low A-frame and the high A-frame having means to cooperate with the hoist cable means aforesaid, and means for supporting the high A-frame in a high operative position relatively to and on the low A-frame, and for supporting said high A-frame in a collapsed or inoperative position on the low A-frame.

2,186,373
BAFFLE AND HEAT RETAINING MEANS FOR FURNACES

George Faulds, Philadelphia, Pa., assignor of one-half to Edward A. Roth, Philadelphia, Pa.

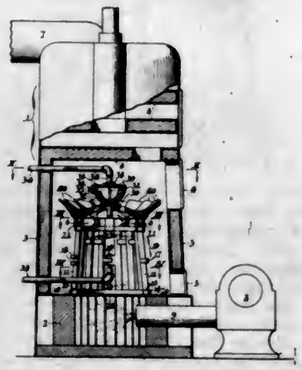
Application August 9, 1938, Serial No. 223,781
4 Claims. (Cl. 110—97)



1. The combination with an intermittently

fired furnace having a fire box with a burner at the bottom of its combustion chamber, of a metallic flame diffusing and heat retaining device positioned axially over and of greater overall diameter than the fire box, said device having the form of a massive open bottomed cage somewhat smaller in height and girth than the combustion chamber, and provided circumferentially of its top with a series of flat, laterally-projecting closely spaced baffle vanes with flat sides uppermost, which, during the active periods of the burner, retard escape of the hot products of combustion from the annular space between the cage and the furnace wall and diffuse them to facilitate heat absorption by said cage, and which, during the off periods of the burner, operate to conserve the heat previously stored in the cage.

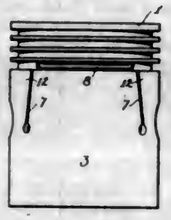
2,186,374
FLAME-DIFFUSER AND HEAT-RETAINER DEVICE FOR FURNACES
George Faulds, Philadelphia, Pa.
Application January 3, 1939, Serial No. 248,940
17 Claims. (Cl. 122—20)



11. The combination with an intermittently fired furnace having a fire box with a burner at the bottom of its combustion chamber, of a metallic heat diffusing and retaining device positioned axially over and of a greater overall diameter than the fire box, said device being in the form of a massive open bottomed cage somewhat smaller in height and girth than the combustion chamber and provided perimetrically of its top with a series of mutually overlapping laterally projecting vanes which, during the active periods of the burner, induces diffusion and gyration of the hot products of combustion and at the same time retards escape of said products from the space between the device and the furnace wall to facilitate heat absorption by said device, and which, during the off periods of the burner, operates to conserve the heat previously stored in the device.

2,186,375
PISTON
John Flammang, University City, Mo., assignor to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application October 21, 1935, Serial No. 45,852
1 Claim. (Cl. 309—11)

A trunk piston of the character described comprising a head, a skirt having a greater diameter in the direction of its thrust faces than in the direction of its wrist pin axis, wrist pin bosses connected to the head, said skirt being continuous at its lower end but provided with slots in the upper region, said slots comprising a circumferential slot adjacent the upper end of the skirt on a face between the wrist pin bosses, and two longitudinal slots in said face intersecting said circumferential slot and extending downwardly therefrom so as to define a tongue separated on three sides from the remainder of the piston, and narrow bridges springing from the upper corners



of said tongue and connected interiorly with adjacent skirt parts, said bridges being constructed and arranged to restrain inward movement of the upper corners of said tongue and maintain the same in position such as to prevent the adjacent skirt parts from disproportionately wearing, said tongue being entirely free on three sides from adjacent skirt structure except for said bridges at the upper corners.

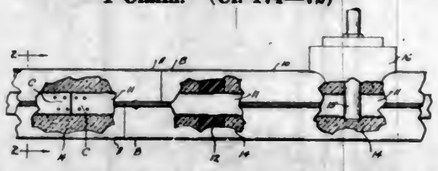
2,186,376
TROLLEY AND CURRENT COLLECTOR MEANS
Harrison J. L. Frank and Joseph A. Messing, Detroit, Mich.
Application April 16, 1938, Serial No. 202,402, which is a division of application August 26, 1935, Serial No. 37,953, which is a division of applications May 25, 1934, Serial No. 727,516 and May 6, 1935, Serial No. 20,113. Divided and this application October 17, 1938, Serial No. 235,398
1 Claim. (Cl. 191—45)



A detachable trolley for use with duct having rails on the slotted bottom, and on the sides, comprising a base having aligned upwardly projecting posts, certain of the posts having transversely projecting arms having on their ends rollers arranged to roll along the rails on the duct bottom and sides, the posts all being in line so as to be insertable into the duct through the slot, means for simultaneously rotating the arms around the axes of their posts so that all of the arms and rollers thereon may be aligned, with the posts, to permit the posts, arms, and

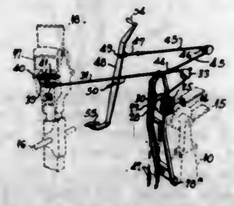
rollers to be inserted into the duct through the slot, or so that the arms may be rotated out of line to present their rollers to their rails.

2,186,377
ELECTRICAL DISTRIBUTION SYSTEM
William H. Frank, Detroit, Mich.
Application December 21, 1936, Serial No. 116,985
1 Claim. (Cl. 174—72)



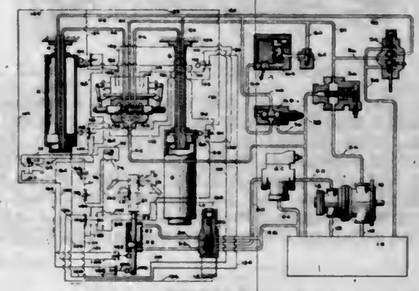
In an electrical distribution system of the character described, namely a sectional bus duct made up of sections joined end to end by unsealed joints which are not liquid tight, each section comprising a length of sheet metal duct containing lengths of bus bars, the sections having prong access openings through which may be plugged bus bar engaging prongs and containing bus bar supports of insulation shaped to form barriers in the duct and divide the duct into compartments, and hand hole openings near the ends of the sections providing access into the sections at their ends for splicing, a relatively loose and light packing of comminuted finely divided non-liquid electrical insulation material around and between the bus bars and the duct, the packing being heavy enough to prevent arcs and not to flow freely past the barriers, light and fluent enough to shift itself readily and automatically by the plugging in of prongs through the prong access openings, and thus to permit such plugging in and to bare spots of the bus bars, and fine and fluent enough to be introduceable into the duct after the sections are joined end to end by being poured through the hand hole openings and when introduced into the duct to flow away from the hand hole openings and fill the duct.

2,186,378
BROOM SEWING APPARATUS
Robert E. Groome, near Greensboro, N. C.
Application October 22, 1938, Serial No. 236,535
4 Claims. (Cl. 112—6)



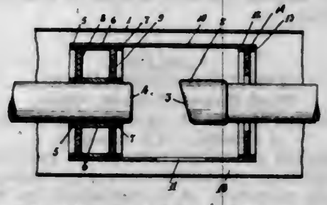
1. In a broom sewing machine having a vise for holding the broom during a sewing operation, said vise being pivoted intermediate its ends and having broom holding means in its upper end, a power driven shaft having a pulley with a belt thereon, a pivoted frame having a wheel rotatably mounted therein, friction means covering less than the whole periphery of the wheel, means for moving the wheel into contact with the belt on said pulley, a grooved pulley secured on one side of the wheel and having a cable secured thereto, the other end of the cable being secured to the vise, whereby contact between the belt and the wheel will cause rotation of the wheel to wind the cable on the grooved pulley to move the vise from normal to sewing position.

2,186,379
POWER TRANSMISSION
Ferris T. Harrington and Rudolf E. Esch, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 23, 1938, Serial No. 191,894
11 Claims. (Cl. 90—33)



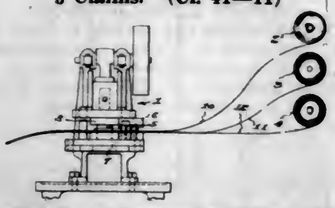
1. In a hydraulic power transmission system the combination of a first fluid motor, a second fluid motor, pump means for supplying pressure fluid to operate said motors, electrically operable control means for selectively by-passing the pump means or causing operation of the first motor in either direction, electrically operable control means for selectively by-passing the pump means or causing operation of the second motor in either direction, an electric circuit operably connected to said control means, a manually operable switch for energizing the control means to start operation of the first motor, switch means operated by the fluid motors for energizing the control means to cause said motors to operate in a predetermined sequence and manually operable means for deenergizing both said control means to cause the pump to be by-passed.

2,186,380
X-RAY TUBE
Samuel Hirsch, New York, N. Y., assignor to Arthur Mutscheller, New York, N. Y.
Application October 22, 1931, Serial No. 570,355
6 Claims. (Cl. 250—145)



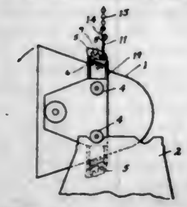
1. An X-ray tube of the character described, comprising an evacuated glass envelope essentially cylindrical in shape, an X-ray anode and a cooperating cathode therein, and a metallic cylinder insulated both from the said anode and the said cathode and provided with a transparent space for the transmission of X-rays, said cylinder being supported on one of said electrodes and bridging about equally far over both electrodes and being of a diameter slightly larger than one half of the sum of the inside diameter of the glass tube and the outside diameter of the largest electrode.

2,186,381
METHOD OF MANUFACTURING ORNAMENTAL ARTICLES
Earl E. Howe, Royal Oak, Mich.
Application January 27, 1936, Serial No. 60,924
Renewed June 8, 1939
3 Claims. (Cl. 41—11)



3. The method of manufacturing ornamental articles which consists of feeding a number of thin strips of foil in superposed relation, temporarily fastening them together on a median line and then punching the multiple strips into desired shapes, and permanently stitching the assembly along said median line, leaving a length of the stitching thread for an attaching string.

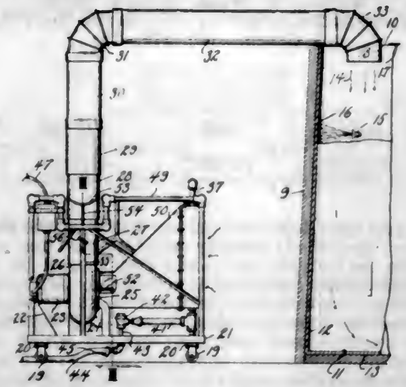
2,186,382
CINDER POT BRACKET
William Johnston, Jr., Wilkinsburg, Pa.
Application August 10, 1939, Serial No. 289,425
3 Claims. (Cl. 266—39)



1. In combination with a cinder pot adapted to be tilted for discharging its contents, a selective tilting bracket connected with the wall of the cinder pot and projectant outwardly and vertically along the wall of the cinder pot, said tilting bracket having therein a main slot extended vertically of the cinder pot confining an engaging member and a plurality of branch slots in communication with the said main slot to provide seats for receiving an engaging member from the main slot at different levels vertically of the cinder pot.

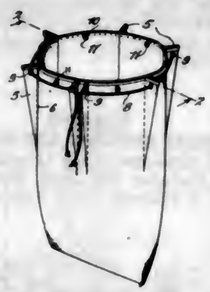
2,186,383
COATING CONTAINER
Paul Kaiser, Toledo, Ohio
Application March 14, 1938, Serial No. 195,813
1 Claim. (Cl. 91—70)

The herein described process of providing effective surface protective coverage against attack from contents of a container in which a workman may cooperate in steps of the process to be undertaken before the container is charged, which includes establishing an incoming preheated hot air draft, at a volume per minute in excess of natural draft, of respirable air supply at normal atmospheric pressure, thoroughly to provide a working condition region and condition in the container, controlling temperature for congealing the coating by adjusting the temperature of the draft, applying at the working region a coating containing volatile solvent by spraying through an atmosphere of 80° to 100° F. to deliver the coating on the surface of the container in said working region there to congeal as the coating is applied, removing volatiles from proximity to the coating as congealing by directing said draft at a temperature of approximately 130° F. to pervade the interior of the container to an extent to carry away volatiles therefrom in promoting said congealing of the



coating while continuously maintaining the atmosphere in respirable condition, and shielding the congealing coating against humidity precipitation thereon for the coating to set against pitting or sweating, said shielding being effected by shutting off entrance of air to the container and simultaneously discontinuing said draft.

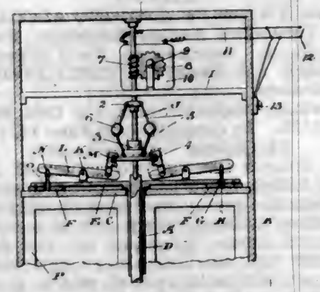
2,186,384
MAIL BAG
George C. Lester, Buffalo, N. Y.
Application September 17, 1938, Serial No. 230,467
1 Claim. (Cl. 150—11)



A bag having excess material at the mouth end formed into a series of spaced folds or pleats which extend lengthwise of the bag, the inner edges of said folds or pleats being substantially collinear with the side walls of the body portion of the bag and being permanently secured together so that they cannot separate when the bag is opened, openings formed in said flaps outwardly of said edges and a draw element threaded through said openings which is adapted to be loosened to open the bag and tightened to close it.

2,186,385
EMERGENCY LOCK FOR REVOLVING DOORS
Andrew Lockart, Montreal, Quebec, Canada
Application May 8, 1939, Serial No. 272,458
1 Claim. (Cl. 109—8)

An emergency lock for revolving doors, in combination a post extending vertically through the centre of the door casing, a locking plate secured to the top face of said casing, a sleeve surrounding the said centre post, a metal disc secured to said sleeve and projecting over the said locking plate, lever bars pivotally mounted on said disc and adapted to be tilted to project a locking pin fit-
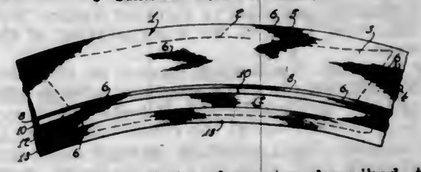


ted on the outer ends thereof into a pin hole formed in the said locking plate, a shaft pivotally supported and extending vertically from the top of said centre post, operating means adjustably mounted in said shaft under motor control therewith for actuating the said lever bar to project the said locking pin into one of the bores in said locking plate.

2,186,386
ARCHERY SET
John O. Lowell, Kirkwood, Mo.
Application June 10, 1937, Serial No. 147,451
3 Claims. (Cl. 124—24)



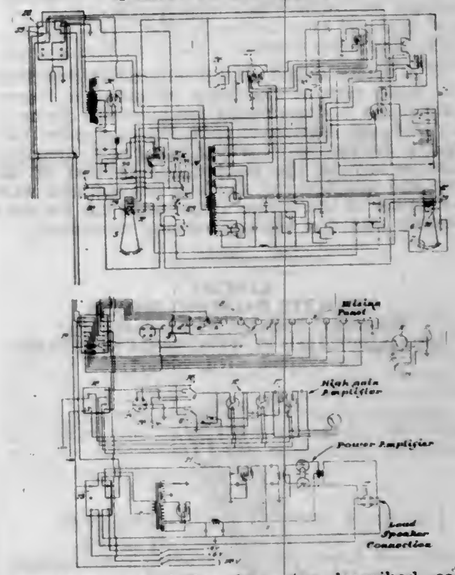
1. In an archery set of the character described; in combination with an arrow having a shaft provided with a bow-string notch at its rear end, a weight-sustaining airfoil of sufficient horizontal extent to exert a lifting moment on the forward part of the arrow in flight secured to the forward portion of said shaft substantially at right angles to said notch and a vertically positioned guiding vane on the rear portion of said shaft, a long-bow having a central window through which said arrow may be discharged, and a low-friction aiming support in said window, said window having a lateral width above said support and a vertical height above said support to freely clear said airfoil and said vane.

2,186,387
COLLAR AND LIKE ARTICLE OF APPAREL
Paul Metzger, Basel, Switzerland, assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York
Application January 29, 1938, Serial No. 187,622
6 Claims. (Cl. 2—131)



1. In a collar of the character described, the combination with one or more straight-woven plies of fabric, of one or more plies of curved-woven fabric containing a non-uniform distribution of cellulose derivative yarns in the warp, said non-uniform distribution comprising the omission of the cellulose derivative yarns in a narrow region to form a fold line zone, and a concentration of cellulose derivative yarns in the band portion of the collar adjacent to said fold line.

2,186,388
MULTICONTROL OSCILLOGRAPH SYSTEM
Burt E. Moritz, Jr., Denver, Colo., assignor to B. E. Moritz Instrument Company, Denver, Colo.
Application April 30, 1937, Serial No. 139,970
3 Claims. (Cl. 171—95)



2. A system of the character described, comprising in combination an amplifier for amplifying minute electrical waves which may be detected in any organ or tissue of a living body, a cathode ray tube, means for connecting the amplifier to said tube, said tube having a screen capable of retaining thereon a trace of the cathode ray long enough for it to be examined, means for varying the degree of amplification of said amplifier, and a standardization unit for determining the voltage input to said amplifier to produce a given deflection of the ray on the cathode ray screen.

2,186,389

VAT DYESTUFFS AND THEIR LEUCO ESTERS

Heinrich Neresheimer, Ludwigshafen-on-the-Rhine, Ernst Honold, Frankfort-on-the-Main, Berthold Stein, Ludwigshafen-on-the-Rhine, Max Schubert, Frankfort-on-the-Main, and Ernst Anton, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 30, 1938, Serial No. 227,526. In Germany September 2, 1937
8 Claims. (Cl. 260—192)

1. A vat dyestuff of the general formula

A—ar—N=N—ar—A

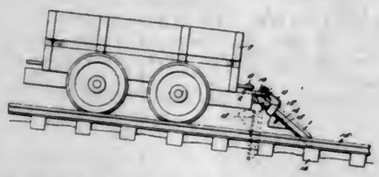
in which A's stand for the same anthraquinonyl radicles and ar for an arylene radicle having from one to two non-condensed rings.

2,186,390

SAFETY DEVICE FOR MINE CARS

John Pugh, Pennington Gap, Va., assignor of forty-nine per cent to Earl P. Smyth, St. Charles, Va.

Application August 15, 1939, Serial No. 290,287
3 Claims. (Cl. 188—38)



1. A safety device of the character described for mine cars of the type including a frame, comprising a dog, means for pivotally connecting one end portion of said dog to a mine car, and a substantially triangular brace mounted transversely on the pivoted end portion of the dog and adapted for abutting engagement with a member of the frame of the mine car for supporting said dog against turning movement.

2,186,391

NECKTIE PACKING MEANS

Samuel C. Pulitzer, New Orleans, La.

Application April 27, 1939, Serial No. 270,453
3 Claims. (Cl. 206—7)



1. A necktie package comprising a container, at least one necktie therein, and a form retaining insert within each necktie conforming substantially to the shape of said necktie, said insert having a projection extending longitudinally thereof beyond the tip of said necktie at its open end engaging the end of said container, and spacing the tip of said necktie and the portion of said insert within said necktie from said end of said container.

2,186,392

PRODUCTION OF AMMONO ALCOHOLS

Arthur Ferdinand August Reynhart, Beverwijk, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 6, 1938, Serial No. 212,120. In Great Britain June 14, 1937
12 Claims. (Cl. 260—584)

11. A process for the production of ammono alcohols which comprises reacting a compound taken from the group consisting of ammonia and the primary amines, with a salt of a weak acid and of an amino compound of the described group, and with an aliphating agent wherein is present an aliphatic radical which is positive with respect to hydrogen, effecting said reaction at a temperature below that at which the salt dissociates, and distilling the resulting ammono alcohol from the reaction system.

2,186,393

FLUORESCENT SCREEN

Friedrich Ring, Berlin-Tempelhof, and Georg Weiss, Berlin-Dahlem, Germany

Application December 15, 1937, Serial No. 180,010
In Germany October 26, 1936
2 Claims. (Cl. 250—150)



1. In a cathode ray tube an insulating plate, a fluorescent screen on said plate, a source of electrons for uniformly bombarding the whole area of said screen with electrons, an accelerating electrode in front of said screen having a fixed potential above the critical value at which the number of secondary electrons emitted by the screen exceeds the number of primary electrons, means for charging elemental areas of said screen to different potentials, and means for intermittently bringing the accelerating electrode to negative potential.

2,186,394

CASTINGS OF ALUMINUM ALLOYS

Paul Spitaler, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application April 24, 1935, Serial No. 17,971. Divided and this application January 27, 1937, Serial No. 122,565. In Germany May 4, 1934
1 Claim. (Cl. 75—147)

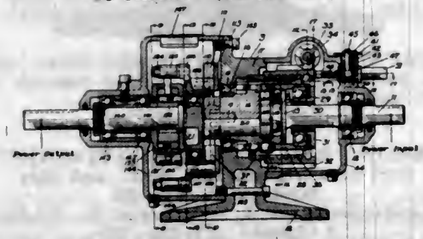
Castings of aluminum alloys consisting of about 5 to 7% of magnesium, about 0.8 to 1.5% of silicon, the balance being aluminum, and the quantity of silicon increasing as the quantity of magnesium increases within the respective ranges specified, such castings having a compact texture and a high mechanical strength at elevated temperatures.

2,186,395

VARIABLE SPEED GEARING

Edwin G. Staude, Minneapolis, Minn.

Application November 2, 1936, Serial No. 108,709
16 Claims. (Cl. 74—117)



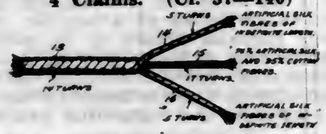
1. A variable speed power transmission device having, power input means and power output means, a driving member operated by the power input means, and having a lever arm extending transversely to its rotative axis and shiftable to concentric or eccentric positions relatively to the axis of rotation of said power input means to vary the output speed, an oscillatable yoke operated by said driving member, motion transmitting means connecting said yoke with said power output means, and means for shifting the arm of said driving member to shift said member from concentric to eccentric position.

2,186,396

YARN

Joseph Sultan, Mount Vernon, N. Y.

Application April 3, 1936, Serial No. 72,538
Renewed March 13, 1939
4 Claims. (Cl. 57—140)



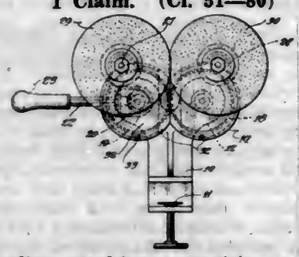
1. A yarn comprising two strands doubled together, one of said strands being composed of approximately 75% of spun artificial silk fibres of a staple length of approximately 1½ inches and approximately 25% of natural cotton fibres of a staple length of approximately 1¼ inches both of said fibres being mixed and spun together and then twisted to approximately 17 turns to the inch, the said other strand being composed of filaments of artificial silk of indefinite lengths twisted together with a twist of approximately 5 turns to the inch, the two strands being cabled together with a twist of approximately 14 turns to the inch.

2,186,397

GRINDING MACHINE

Henry M. Vickery, St. Andrews, Fla.

Application April 7, 1939, Serial No. 266,690
1 Claim. (Cl. 51—80)



A grinding machine comprising a support, a pair of laterally-arranged housings centered in the support for rotary adjustment, a pair of laterally-grouped gears meshed and mounted for rotation in the respective housings, outer shafts journaled in the latter, pinions carried by the shafts at one of their ends in mesh with the related gears, and grinding wheel units carried by the other of said shafts ends, and gear formations on the contiguous sides of the housings and meshed to connect the latter for joint rotation in opposite directions.

2,186,398

PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON DISTILLATES

David Louis Yabroff, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 7, 1939, Serial No. 255,102
9 Claims. (Cl. 196—32)

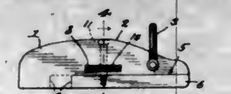
1. In the process of separating organic acid reacting substances contained in a water-insoluble neutral or basic organic liquid, the steps comprising treating said liquid with an aqueous solution of a strong base containing a substantial amount of a dissolved compound having the formula $X_1R_1YR_2X_2$, in which R_1 and R_2 are alkylene radicals having a total number of carbon atoms from 4 to 6, X_1 and X_2 are radicals selected from the group consisting of amino and hydroxy radicals, and Y is an element selected from the group consisting of oxygen or sulfur, said solution containing from 15 to 70% water, under conditions to absorb at least a portion of said acid reacting substances in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed acid reacting substances, and the other consisting essentially of the treated organic liquid and separating the layers.

2,186,399

GUITAR STEEL

John M. Abbott, Greeley, Colo.

Application February 2, 1939, Serial No. 254,314
2 Claims. (Cl. 84—319)



1. A device of the class described including a main member to be grasped by the hand of the user, said member having a recess in the bottom thereof, a movable member normally seated in the recess, a pivot pin connecting the movable and main members, and a wheel mounted on the pivot pin and projecting from the main member, said wheel being operatively connected to the movable member.

2,186,400

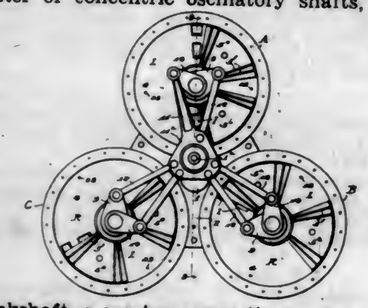
INTERNAL COMBUSTION ENGINE

Edwin H. Aiken, El Centro, Calif.

Application February 9, 1938, Serial No. 189,654
4 Claims. (Cl. 123—18)

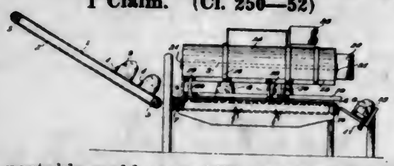
3. An internal combustion engine comprising an annular cylinder, means for through scavenging from an intake port to a diametrically opposite exhaust port, a pair of pistons oscillating in opposite directions in said cylinder with one piston in slight angular advance of the other and compressing between them, on either side alternately, the clear air introduced through the intake port, means for discharging fuel into the compressed air at diametrically opposite points approximately midway between intake and exhaust ports, with the resulting combustion and

expansion occurring in the cylinder between the pistons, a pair of concentric oscillatory shafts, one of which is connected to each of said pistons, a crank arm upon the outer end of each said oscillatory shaft, set upon opposite sides of center of concentric oscillatory shafts, a main



crankshaft, a master connecting rod connecting one of said crank arms with said main crankshaft, and a secondary connecting rod pinned to the master rod and the second crank arm, and giving the second crank arm and its exhaust piston an angular advance over the first crank arm and its intake piston.

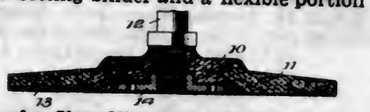
2,186,401
APPARATUS FOR DESTROYING MOLD SPORES
Charles W. Bart, Savannah, Ga.
Application February 18, 1938, Serial No. 191,309
1 Claim. (Cl. 250—52)



A portable mold spore killing station for treating freshly baked loaves of bread, said station adapted to be interposed intermediate a cooling room and a bread-wrapping machine, said killing station consisting of a table, an endless conveyor extending throughout the length of the table for receiving the bread to be treated, guide arms extending substantially the length of the table and spaced thereabove for positioning the bread as it travels the length of the table, means on the conveyor for spacing the loaves of bread from each other, a metal hood carrying said guide arms secured to the table and extending over the conveyor, the length of the hood being coextensive with the length of the table, the side edges of the hood being spaced slightly above the top of the table, ultra-violet ray lamps mounted in said hood and also coextensive with the length of the hood and the table, the associated parts of the lamps also secured to said hood to make up a complete portable unit, whereby the loaves of bread will be subjected to the ultra-violet rays during their entire trip beneath the hood and the length of the table, and the loaves subjected to the ultra-violet rays on all sides except their bottoms.

2,186,402
COMPOSITE PARTI-RESILIENT BODY
Kenneth H. Bowen, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application July 31, 1939, Serial No. 287,639
15 Claims. (Cl. 51—195)

1. A composite body having a rigid portion consisting of a fibre filler impregnated with a thermo-setting binder and a flexible portion con-



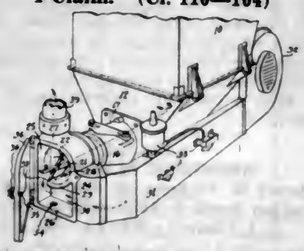
sisting of a fibre filler and a flexible binder, said two portions being securely bonded together by said binders.

2,186,403
STRIKING BAG STAND AND ATTACHMENT
Earl Bullis, Amsterdam, N. Y., and Max Stechler, Chicago, Ill.
Application April 3, 1937, Serial No. 134,912
7 Claims. (Cl. 272—78)



2. Means for attaching striking bags to supports thereof consisting of a cup-like member of resilient material formed to fit within the small end or neck of the bag when it is laced and inflated, said cup-like member having incorporated therein a metal insert having means for attaching same to a supporting member.

2,186,404
FUEL DELIVERY DEVICE FOR STOKERS
Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application August 3, 1936, Serial No. 94,078
1 Claim. (Cl. 110—104)



A fuel delivery device having in combination a vertical pneumatic conveyor, a worm conveyor adapted to convey fuel horizontally into said pneumatic conveyor, a paddle on the end of said worm conveyor adapted to throw small quantities of fuel from said worm conveyor into said pneumatic conveyor, a metal collecting trap at the lower end of said pneumatic conveyor, means for delivering air to said metal trap and means for providing ready access to said trap, said trap and pneumatic conveyor affording a straight line, vertical passageway for air adapted to carry the fuel upwardly and to permit the metal to fall downwardly into said trap.

2,186,405
STOKER DRIVE MECHANISM
Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application May 16, 1938, Serial No. 208,167
1 Claim. (Cl. 74—242.8)

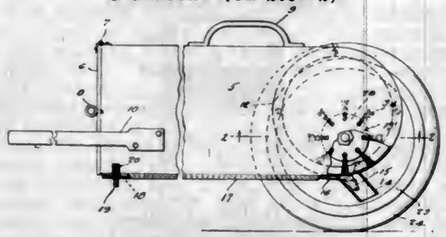


A driving mechanism consisting of a driving pulley, a driven pulley associated therewith, a V-belt passing around said pulleys, said belt having excessive length, means for holding opposite sides of said belt straight for the purpose of holding said belt out of contact with said pulleys, one of said means being retractable and adapted to permit its side of the belt to assume a curved form when said belt is contacting said pulleys.

2,186,406
RESINOUS PRODUCT
Harry M. Dent, Eggertsville, and Alvin F. Shepard, Kenmore, N. Y., assignors to General Plastics, Inc., North Tonawanda, N. Y.
No Drawing. Application June 3, 1937, Serial No. 146,243
6 Claims. (Cl. 260—25)

1. The method of producing a resin which comprises reacting a mixture consisting of gum accroides and hydroxypolymethylol benzene having at least two carbinol groups attached to the benzene nucleus.

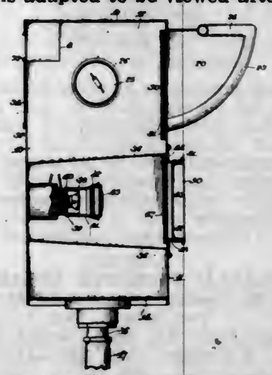
2,186,407
PLAYING FIELD MARKER
Linnie E. Dishman, Tustin, Calif.
Application September 13, 1938, Serial No. 229,750
3 Claims. (Cl. 275—2)



1. A line marker comprising a hopper having an opening in one side and a discharge slot, a spout carried by the hopper and underlying the discharge slot, a removable cover plate for closing said opening, a bearing sleeve carried by said cover plate and extending into the hopper, an axle journaled in said sleeve and extending outwardly of the hopper, a ground wheel secured on said axle, an agitator journaled on the sleeve, means for connecting the agitator to said axle, and a valve means in said spout.

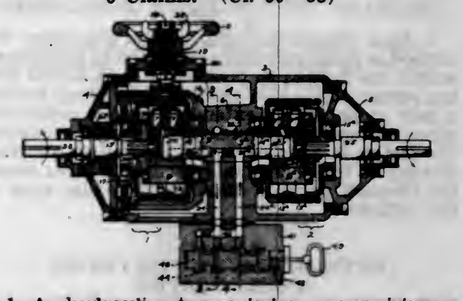
2,186,408
APPARATUS FOR DETERMINING THE MINIMUM LIGHT VISIBLE
Jacob B. Feldman, Philadelphia, Pa.
Application March 26, 1937, Serial No. 133,175
6 Claims. (Cl. 88—20)

1. In a device for testing eyes, a housing divided into two separate chambers, light diffusing viewing screen means on a common side of each of said chambers for transmitting diffused light from the respective chambers, a light of relatively high intensity in one of said chambers cooperating with the light diffusing viewing screen of said chamber to produce a field of high intensity diffused light adapted to be viewed by the eyes under test for light adaptation, a source of relatively low intensity illumination in the other of said chambers cooperating with the diffusing screen of said chamber to produce light of controlled low intensity in the field of vision of the eyes which is adapted to be viewed after viewing



said high intensity field of diffused light, means for turning off the high intensity source of illumination after being viewed by said eyes and means rotatably supported in cooperative relation with said light diffusing screen of said relatively low intensity source of illumination having characteristics for producing in effect a light diffusing form character which may be rotated to different directions and which is adapted to be distinguished by the eyes when recovering from said high intensity light adaptation.

2,186,409
HYDRAULIC TRANSMISSION
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 7, 1937, Serial No. 146,784
6 Claims. (Cl. 60—53)



1. A hydraulic transmission, comprising a closed casing, a pump arranged within one part of said casing and provided with an intake port and a discharge port, a motor arranged within another part of said casing and provided with an inlet port and an exhaust port, a distributing block arranged upon the outside of said casing, a fluid channel connecting each of said ports to said block, a motor arranged outside said casing, fluid channels connecting said outside motor to said block, and valve means arranged within said block for short circuiting said pump or directing liquid from said pump to one or both of said motors.

2,186,410
CLASP
John B. Freysinger, New Britain, Conn., assignor to North and Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application May 12, 1938, Serial No. 207,458
4 Claims. (Cl. 24—49)



2. A clasp comprising a center member adapted to have a tie secured thereon, and collar gripping members projecting laterally from each side thereof and comprising upper and lower concavo-convex curved gripping fingers, and a gripping finger spaced intermediate of said upper and lower fingers and having a reverse concavo-convex curvature.

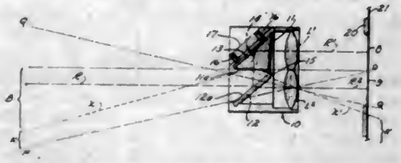
2,186,411
HYDRAULIC PUMPING APPARATUS
James M. Gurley and Arnold M. Gurley, Fort Worth, Tex.
Application April 22, 1938, Serial No. 203,650
5 Claims. (Cl. 103—44)



1. In a deep well pump of the character described, a pump cylinder adapted to be submerged within the fluid to be pumped, a solid double acting piston within said cylinder, said piston having a pair of oppositely extending hollow conductor pipes through which pressure fluid for actuating the piston is adapted to be alternately supplied directly to the piston, said conductor pipes working through packing glands at opposite ends of the cylinder.

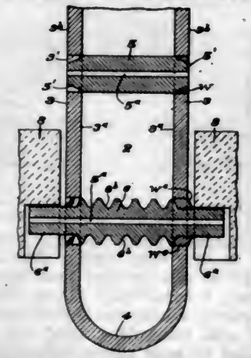
2,186,412
OPTICAL SYSTEM FOR COLOR PHOTOGRAPHY
William H. Harrison and Edward C. Harrison, Los Angeles, Calif.; Dolly V. Harrison, owner of the entire right of said Edward C. Harrison, deceased, by decree of court, assignors, by mesne assignments, to Dunningcolor Corporation, Los Angeles, Calif., a corporation of California
Application June 25, 1935, Serial No. 28,283
7 Claims. (Cl. 88—1)

1. In an optical system for producing two identical images of the same field upon closely adjacent portions of film, the combination of: an exposure aperture; a pair of lenses juxtaposed in the same vertical plane behind said aperture, the lower of said lenses being opposite said aperture, said lenses being so close together and to said aperture that direct light from said aperture will, unless prevented, reach the upper of said lenses and be directed on to its respective film area; a semi-reflecting surface angularly disposed between said aperture and said lower lens so that it will pass a portion of the light rays from said aperture directly to said lower lens and reflect a portion of said rays upwardly; a right-angled glass prism disposed in front of said upper lens and above said semi-reflecting surface and separated therefrom by an air space,



the hypotenuse of said prism being substantially full reflecting to receive the rays reflected from said semi-reflecting surface and direct them to said upper lens, said full reflecting and semi-reflecting surfaces being substantially parallel to each other, the entrant face of said prism being substantially midway between the optical axes of said lenses, and substantially horizontal on its transverse axis, whereby all direct light from said aperture which would otherwise reach said upper lens and be directed upon its respective film area is reflected from said entrant face and thereby excluded from said lens.

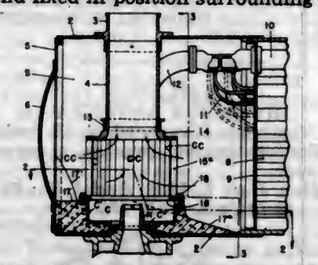
2,186,413
THERMIC SIPHON AND THE LIKE
Charles Gilbert Hawley, Chicago, Ill., assignor, by mesne assignments, to Downflow Syphon Company, Cleveland, Ohio, a corporation of Ohio
Application April 12, 1937, Serial No. 136,485
3 Claims. (Cl. 122—68)



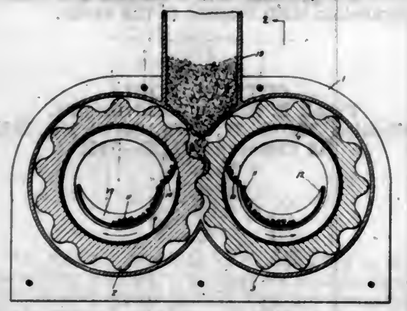
1. A hollow water wall presenting spaced sides and cross stays which are metallically unified therewith, certain of said stays extending through one of said sides and providing durable arch-supporting studs.

2,186,414
CINDER PULVERIZER
Charles Gilbert Hawley, Cleveland, Ohio, assignor to Downflow Syphon Company, Cleveland, Ohio, a corporation of Ohio
Application September 7, 1938, Serial No. 228,864
2 Claims. (Cl. 230—97)

1. A locomotive front-end or smoke box, its inside stack and coaxial exhaust nozzle, the latter positioned in the bottom of the smoke box, in combination with a bowl portion larger than said stack and fixed in position surrounding said nozzle, and, a whirl-promoting tuyère positioned and forming a direct connection between the top of said bowl and the lower end of said inside stack.



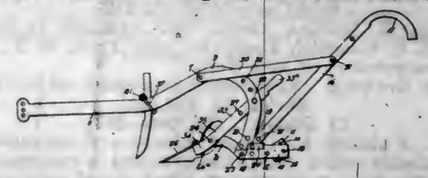
2,186,415
PELLETING MACHINE
James P. Haworth, Portland, Oreg.
Application August 11, 1939, Serial No. 289,597
3 Claims. (Cl. 107—8)



1. A pelleting machine comprising in combination a pair of hollow rollers revolubly mounted to roll material between them, each roller being formed with longitudinally disposed curved ridges joined by curved grooves to constitute a sinusoidal external surface, radial holes from the perimeter to the hollow center of the rolls evenly distributed in such manner that approximately one half of the external surfaces of the rolls consist of hole ends, with the rollers so formed and mounted that when revolved together any given hole in one roller will be opposite a land between holes on the companion roller, means for revolving the rolls, means for feeding material to the rolls and means for severing material forced through the holes in the form of compressed pellets.

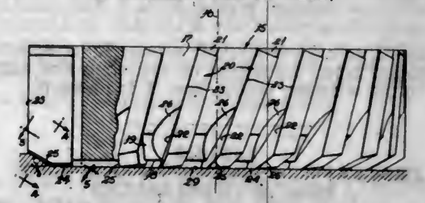
2,186,416
PLOW STOCK
George L. Jones, Rienzi, Miss., assignor of one-half to W. H. Caver, Rienzi, Miss.
Application August 16, 1938, Serial No. 225,225
2 Claims. (Cl. 97—169)

1. In a plow, a pair of beam bars having downwardly disposed tail portions, hand bars having tapered lower ends, said tail portions provided with rearwardly disposed finger members defining crotches in which the tapered lower ends of the bars are disposed, and a plate interposed between the lower ends of the tail portions and between the lower ends of the hand bars and securing means between the said plate and the beams and between the plate and the lower ends of the hand bars, a plow, an adjustable shoe carrying the plow, an arm having one end secured between



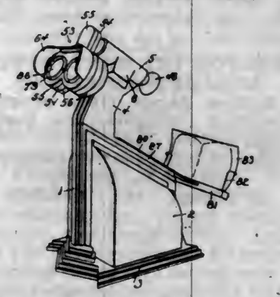
the lower ends of the said tail portions and its opposite end secured to the said shoe.

2,186,417
CUTTER
Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 19, 1938, Serial No. 246,556
19 Claims. (Cl. 29—105)



1. A cutter having a rotary body, a plurality of teeth projecting therefrom and having substantially straight cutting edges defining a generally frusto-conical main cutting face, the leading face of each tooth being disposed at a negative rake angle and a shear angle correlated with each other and of sufficient magnitude to produce a positive rake angle and a sheer angle of more than fifteen degrees effective on said cutting edges during operation of the cutter, and secondary cutting edges on said teeth determining the work surface finished by the cutter.

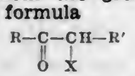
2,186,418
MECHANICAL STEREOSCOPIC TRAINING DEVICE
Gurney L. Mandaville, Fort Pierce, Fla.
Application May 1, 1936, Serial No. 77,412
15 Claims. (Cl. 128—76.5)



1. In an instrument of the character described, a pair of front prism-carrying cylinders, and a pair of rear prism-carrying cylinders, the front cylinders being in alignment with the rear ones, cooperatively arranged prisms in the several cylinders, means for imparting an intermittent rotation to the front cylinders in the same direction, and means to impart rotation to the rear cylinders in opposite directions in unison.

2,186,419
PROCESS FOR THE MANUFACTURE OF MERCAPTOTHIAZOLES
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 30, 1937, Serial No. 166,590
13 Claims. (Cl. 260—302)

1. A process for the manufacture of mercaptothiazoles which comprises reacting a compound of the class consisting of alkali metal salts and the ammonium salt of dithiocarbamic acid, dissolved in water, with an alpha halogenated ketone selected from the group consisting of compounds of the formula



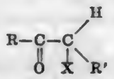
and compounds of the formula



where R is a hydrocarbon group, R′ is selected from the group consisting of hydrogen and alkyl, R″ is an alkylene group, and X is halogen.

2,183,420
PROCESS FOR THE MANUFACTURE OF MERCAPTOTHIAZOLES
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1937, Serial No. 178,112
11 Claims. (Cl. 260—302)

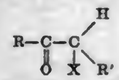
1. A process for the manufacture of mercaptothiazoles which comprises reacting an alkali metal salt or the ammonium salt of dithiocarbamic acid, suspended in a volatile, liquid aliphatic hydrocarbon diluent, with an alpha halogenated ketone of the general formula



where R is a hydrocarbon group which may be joined to R′; R′ is hydrogen or an alkyl group which may be joined to R; X is halogen.

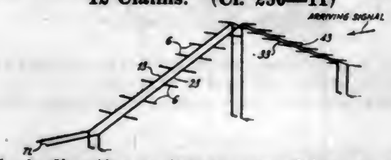
2,186,421
PROCESS FOR THE MANUFACTURE OF MERCAPTOTHIAZOLES
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 29, 1938, Serial No. 232,391
10 Claims. (Cl. 260—302)

1. A process for the manufacture of a mercaptothiazole which comprises reacting in an organic solvent a substance from the group consisting of ammonium and alkali metal dithiocarbamates and an alpha halogenated organic compound having the formula



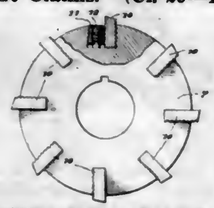
where R is a hydrocarbon group which may be joined to R′; R′ is a member of the class consisting of hydrogen, alkyl groups which may be joined to R, and carbalkoxy groups; and X is halogen, to form a dithiourethane, separating the dithiourethane from the solvent, and heating it in water until it is converted to the corresponding mercaptothiazole.

2,186,422
DIVERSITY ANTENNA
Walter I. Matthews, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 8, 1938, Serial No. 212,410
12 Claims. (Cl. 250—11)



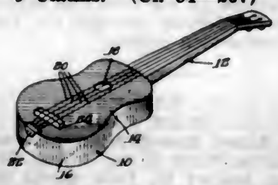
1. A directive antenna comprising a pair of relatively closely spaced conductors and a plurality of transverse pick-up wires coupled thereto at intervals along said conductors, said conductors being arranged in a vertical half diamond configuration with respect to the earth.

2,186,423
CUTTING TOOL
Frank P. Miller, Meadville, Pa.
Application March 17, 1938, Serial No. 196,509
10 Claims. (Cl. 29—105)



1. In a cutting tool, a head having therein a blade receiving slot and a screw threaded socket extending longitudinally of the slot from one end, and said socket being formed in both side walls and the bottom of the slot.

2,186,424
MUSICAL INSTRUMENT
Henry Moertel, Chicago, Ill.
Application August 27, 1938, Serial No. 227,123
9 Claims. (Cl. 84—267)

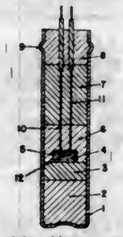


1. In a stringed musical instrument, a body reinforcing structure for a sounding board, having strings arranged in spaced relation above the plane of the sounding board and a bridge cooperating with said strings and said sounding board, said reinforcing structure comprising a rib secured to said sounding board and extending to the side edges thereof and having a central portion relatively widened in the plane of the board, and relatively narrow portions extending laterally therefrom.

2,186,425
PROCESS FOR REMOVING NAPHTHENIC ACIDS FROM HYDROCARBON OILS
Frans Rudolf Moser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 24, 1937, Serial No. 181,702. In the Netherlands January 4, 1937
7 Claims. (Cl. 196—36)

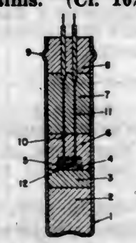
1. In the process of removing naphthenic acids from hydrocarbon oils containing same, the steps comprising contacting said oil in a heated vaporous condition at a temperature between 300° and 475° C. with lithium carbonate for a time sufficient to decompose a major portion of the naphthenic acids, thereby liberating CO_2, but insufficient substantially to crack the oil.

2,186,426
ELECTRIC BLASTING CAP
Henry E. Nash, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 22, 1937, Serial No. 181,245
8 Claims. (Cl. 102—10)



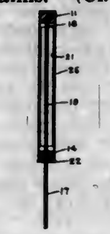
1. An electric blasting cap including a shell, a detonating charge, a bridgewire and an igniter charge placed about said bridgewire comprising a finely ground mixture of diazodinitrophenol and an oxidizing agent, which does not decompose the diazodinitrophenol at least the major portion of said mixture having a particle size range of about 1 to about 40 microns.

2,186,427
ELECTRIC BLASTING CAP
Henry E. Nash, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Original application December 22, 1937, Serial No. 181,245. Divided and this application February 24, 1939, Serial No. 258,136
5 Claims. (Cl. 102—10)



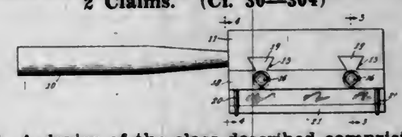
1. An electric blasting cap including a shell, a detonating charge, a bridgewire and an igniter charge placed about said bridgewire comprising finely ground diazodinitrophenol at least the major portion of which has a particle size range of about 1 to about 40 microns admixed with a binder.

2,186,428
PLANT LABELING DEVICE
George W. Patten, Minneapolis, Minn.
Application June 9, 1939, Serial No. 278,269
2 Claims. (Cl. 40—19)



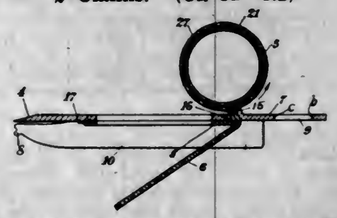
1. A label-holding device for plants comprising a transparent open-ended tube for receiving a label and exposing the matter thereon to view, closures for the ends of the tube, one of said closures being removable to permit insertion of the label, and a stem passing through one of said closures and having its end entering the body of the other closure to hold the tube in rigid unchangeable relation to the stem, said stem adapted to be thrust into the ground to hold the label positioned for convenient inspection.

2,186,429
CUBE STEAK CUTTER AND FLATTENER
Hans Reinwald, New York, N. Y.
Application December 10, 1938, Serial No. 244,890
2 Claims. (Cl. 30—304)



1. A device of the class described comprising a block having a handle thereon, the top and bottom surfaces of said block being flat, one side wall of said block being extended downward to provide a stationary clamp jaw, the opposite side wall of said block having recesses therein, a movable clamp jaw slidably mounted on said bottom surface and having upwardly extending projections registering slidably in said recesses, a plurality of blades and a plurality of spacer members mounted between said clamp jaws and against said bottom surface, bolts extending through said jaws, said blades, and said spacer members and adapted to be tightened to lock said blades in spaced apart relation on said block.

2,186,430
HOUSEHOLD IMPLEMENT
Karl Richter, Elkins Park, Pa.
Application February 16, 1937, Serial No. 125,959
2 Claims. (Cl. 81—3.1)



1. An opener for removing the caps from preserving jars, comprising a flat handle having a slot intermediate between the ends of said han-

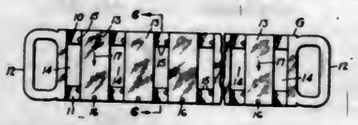
dle, said slot having a transverse edge, a strap fastened fixedly at one end to the handle and passing through said slot and forming a loop encompassing said cap, and having a free end also passing through said slot, but in the opposite direction, a lip positioned at said slot opposite said transverse edge and forming part of said handle and set at an acute angle with said handle and inclined towards said transverse edge of said slot; the inclined lip and the transverse edge of said slot being positioned closely enough together to hold the two portions of said strap passing through said slot, closely against each other, the said lip bearing solely on the portion of the free end of the strap passing through the slot, and being free from all portions of said loop.

2,186,431
WATER SERVICE DEVICE
James E. Riley, Minneapolis, Minn.
Application January 3, 1939, Serial No. 249,065
4 Claims. (Cl. 137—13)



1. A stop box for underground valves, comprising a bottom wall and two vertical members adapted to surround and tightly enclose the valve casing, said vertical members being constructed to fit snugly around the pipe connections from opposite sides of the valve, one of said vertical members being fixedly carried by said bottom wall, and means for detachably securing the other vertical member to said bottom.

2,186,432
APPARATUS FOR STAINING SPECIMENS
Samuel Rosenthal, Brooklyn, N. Y.
Application May 6, 1938, Serial No. 206,428
6 Claims. (Cl. 91—60)

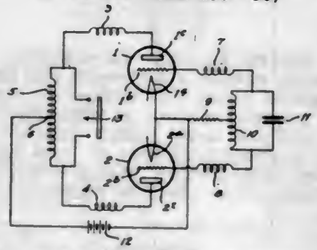


1. An elongated holder for receiving a plurality of slides to receive specimens to be examined comprising a series of separated supports for said slides, said supports being elevated so as to support said slides above the level of the holder and said supports being connected by spaced parallel edge bars extending the full length of said holder.

2,186,433
PROCESS FOR THE RECOVERY OF ALUMINUM AND FLUORINE COMPOUNDS FROM THE WORN-OUT LININGS OF THE ELECTRIC FURNACES EMPLOYED FOR THE PRODUCTION OF ALUMINUM
Veit Schwemmer, Pirna, in Saxony, Germany, assignor to the firm Rütgerswerke-Aktiengesellschaft, Berlin, Germany
No Drawing. Application November 11, 1937, Serial No. 174,022. In Germany November 17, 1936
1 Claim. (Cl. 23—88)

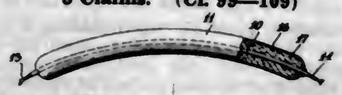
A process for the recovery of the aluminum and fluorine compounds from the worn out linings of the electric furnaces employed in the electrolytic production of aluminum, wherein aluminum compounds and fluorides contained in said linings are brought into solution by treating said furnace linings under the application of heat with a diluted aqueous solution containing an acid selected from the group consisting of hydrochloric acid, and sulphuric acid, and containing an aluminum salt of said acids, and precipitating the aluminum and fluorine compounds contained in the extract so obtained by the addition of hydrofluoric acid and an alkali salt.

2,186,434
MULTIPLE WAVE OSCILLATOR WITH SELF-ADJUSTING GRID EXCITATION
Alexander Senauke, New York, N. Y., assignor to AmpereX Electronic Products, Inc., Brooklyn, N. Y., a corporation of New York
Application March 30, 1938, Serial No. 198,890
7 Claims. (Cl. 250—36)



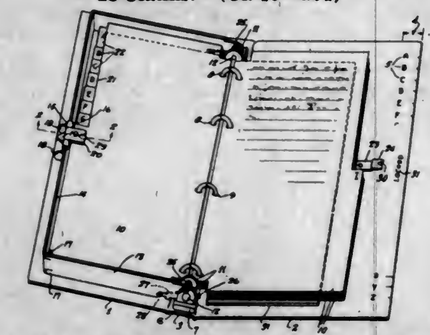
1. In an oscillation generating system, in combination, an oscillator comprising a space current path, said path including a frequency-determining oscillatory circuit, means for selectively controlling the constants of said oscillatory circuit to select the frequency of oscillation thereof at one of a number of frequencies, a control circuit operating on said space current path, said control circuit comprising a fixed tuned inductance-capacity circuit and inductance external to said fixed tuned circuit.

2,186,435
FOOD PRODUCT
William F. Serr, New York, N. Y., assignor of forty-nine one-hundredths to Eric Pusinelli, New York, N. Y.
Application September 13, 1938, Serial No. 229,648
8 Claims. (Cl. 99—109)



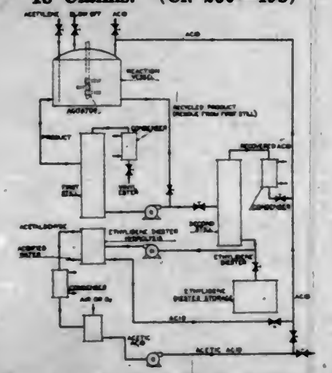
1. A comestible comprising a mass of food product and a quantity of flavoring material enclosed in an elongate edible casing enclosed substantially entirely within said mass of food product and having a portion extending therefrom, said casing containing said flavoring material being removable without substantial destruction of said mass of food product.

2,186,436
LOOSE-LEAF BINDER BOOK
Saul Shaler, Jackson Heights, Long Island, N. Y.
Application April 14, 1939, Serial No. 267,798
18 Claims. (Cl. 40—104)



18. A book comprising a back, covers hingedly connected to the back, and a page turning frame mounted independently of the covers and having thereon a slide carrying a page selector, a locking member and an indicator, all integral with and forming part of the slide.

2,186,437
VINYL ESTERS
Walter J. Toussaint, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application November 11, 1936, Serial No. 110,270
18 Claims. (Cl. 260—498)



1. Process which comprises reacting acetylene with a carboxylic acid in the presence of a mercury compound of a heteropoly acid.

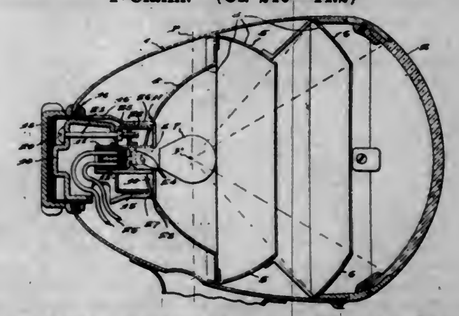
2,186,438
JEWELRY CLASP
Morris Weiner, Bronx, N. Y., assignor to Ralph W. Biggs & Co., Inc., New York, N. Y., a corporation of New York
Application January 19, 1939, Serial No. 251,680
4 Claims. (Cl. 24—241)

4. A clasp for securing the end members of a piece of jewelry together, said clasp having in combination, a body member of box-like formation, the bottom of said body member acting as a spring, open slots in the side walls of said body member to accommodate a loop on one of said end members, a main catch member pivoted in the side walls of said body member at one end thereof and acting as a cover for said body member, a depending hinge lug formed on the hinged end of said main catch member, said hinge lug having flattened areas for engaging the spring bottom in said body member so as to normally urge said main catch member to an open or closed position, and said hinge lug being U-shaped in cross-section and acting as a closure for that end of said body member where said main catch member is hinged, a safety catch member, the pivotal region of which is embraced



by the arms of said hinge lug, a pivot pin passing through said safety catch member, the arms of said hinge lug and the side walls of said body member, said safety catch member in the closed position of the clasp resting over said loop in said open slots so as to confine said loop in said slots, and the upper surface of said safety catch member being in contact with the under side of said main catch member and seats formed in the end wall of said body member opposite to the end in which the catches are pivoted, one of said seats being formed in the outer edge of said end wall to engage the free end of the main catch member and maintain it in its closed position, and the other of said seats being formed on the inner side of said end wall to engage the free end of said safety catch member and maintain it in its closed position.

2,186,439
LIGHT PROJECTOR
Edward J. Whalen, Syracuse, N. Y.
Application January 24, 1938, Serial No. 186,513
1 Claim. (Cl. 240—44.2)



In a light projector, an outer shell, a reflector in the shell having a rearwardly extending tubular stem at the rear end thereof, the stem being secured to the rear end of the shell and projecting through the same, a lamp socket carriage including front and rear cup-shaped parts telescoping one within the other, the front part having its bottom wall forming a continuation of the reflector zone, a lamp socket carried by the carriage, the tubular stem being of larger diameter than the lamp bulb to permit the lamp socket and lamp bulb to be removed as a unit with the carriage through the rear end of the reflector and the shell, means for adjusting the lamp socket axially of the carriage and the reflec-

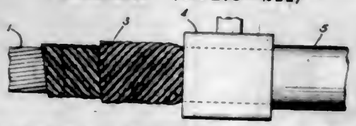
tor and operable from the rear end of the tubular stem, and a retaining member on the projecting end of the tubular stem for holding the lamp socket and the carriage from displacement.

2,186,440
FILTERING UNIT AND METHOD OF MAKING THE SAME
Lewis W. Williams, Short Hills, N. J., assignor to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware
Application August 3, 1937, Serial No. 157,098
3 Claims. (Cl. 210—169)



1. A filter comprising a helical metal frame, a tube enclosing said frame, said tube being composed of a single sheet of wire mesh and being provided with a spiral groove extending inwardly between frame turns, an envelope of filtering material surrounding said frame and tube, and means for maintaining said filtering material in contact with the surface of said tube.

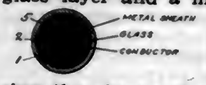
2,186,441
ELECTRIC CABLE
Edward D. Youmans, Clifton, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application June 13, 1935, Serial No. 26,334
5 Claims. (Cl. 173—244)



1. In the manufacture of electric cables, the method which comprises applying a compressible fibrous glass layer about the cable conductor and then compacting and compressing the glass layer to eliminate voids therein by enclosing the glass in a metallic sheath having a uniform inside diameter materially less than the initial outside diameter of said layer.

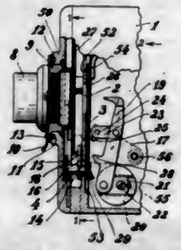
2,186,442
ELECTRIC CABLE
Edward D. Youmans, Clifton, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Original application June 13, 1935, Serial No. 26,334. Divided and this application November 5, 1935, Serial No. 48,289
4 Claims. (Cl. 174—102)

1. An electric cable comprising a conductor, a fibrous glass layer under compression to eliminate voids in the glass layer and a metallic sheath



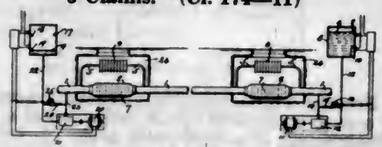
tightly embracing the glass and maintaining it under compression.

2,186,443
MOTION PICTURE CAMERA
Helmut Becker, Heinrich Broschke, and Otto Sänger, Wetzlar, Germany, assignors to Ernst Leitz G. m. b. H., Wetzlar, Germany
Application September 29, 1937, Serial No. 166,286
In Germany November 5, 1936
16 Claims. (Cl. 88—18.4)



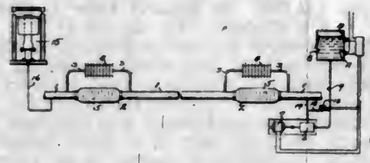
1. A motion picture camera for exposing either a large picture film or a small picture film, said camera having a fixed large film window for exposing the large picture film, an objective, a movable carrier supporting the objective in optical register with the large film window, a movable slide having a small film window for exposing the small picture film, means for supporting said slide with its small film window in a position different from that of the large film window and mechanism for simultaneously operating the objective carrier and the said slide to place the objective and the small film window in optical registry with each other in photographing position to expose the small picture film instead of the large picture film.

2,186,444
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application April 16, 1934, Serial No. 720,734. Divided and this application February 19, 1937, Serial No. 126,614
3 Claims. (Cl. 174—11)



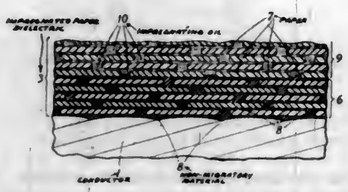
1. In an electric cable system the combination of a pipe line, unsheathed cable conductors insulated with oil permeable insulation loosely disposed therein, radiators exterior of and communicating with the pipe line, oil under pressure filling the space in the pipe line unoccupied by the conductors and their insulation and in which the insulated conductors are immersed, and a pump at each side of the radiators functioning alternately to effect movement of the oil longitudinally of the pipe line through said radiators, first in one direction and then in the opposite direction, the total cross section of the oil at any instant moving in one direction.

2,186,445
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application April 16, 1934, Serial No. 720,734. Divided and this application February 19, 1937, Serial No. 126,615
3 Claims. (Cl. 174—11)



1. In combination, an oil filled cable, heat radiating means disposed at intervals along the exterior of the cable and communicating with the interior thereof, a pump at one side of the heat radiating means, and an accumulator at the opposite side, said pump and accumulator operating alternately thereby to effect movement of the oil in the cable through the heat radiating means, first in one direction and then in the opposite direction, the total cross section of the oil at any instant moving in the one direction.

2,186,446
ELECTRIC CABLE
Leslie Giddens Brazier, George Monty Hamilton, and Russell Swale Vincent, London, England, assignors to Callender's Cable and Construction Company, Limited, London, England, a British company
Application November 28, 1936, Serial No. 113,150
In Great Britain December 11, 1935
12 Claims. (Cl. 174—25)

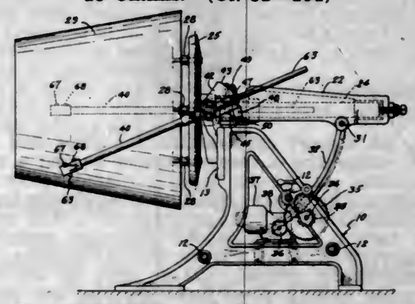


1. In an electric cable comprising a conductor, a laminated body of paper impregnated with insulating liquid built up on said conductor and an impervious sheathing enclosing said conductor and said laminated body, an insulating material, filling the interstices between the surface of the said conductor and the inner surface of said laminated body, which does not dissolve in the impregnating liquid to form a true solution, and which is tough and adherent to the walls of the interstices and capable of being deformed under stresses arising from changes in temperature within the working range of the cable but possesses tenacity and internal cohesion to a degree sufficient to ensure its return to normal when such stresses are removed.

2,186,447
METHOD OF MAKING MOLYBDENUM AND ALLOYS OF MOLYBDENUM
Joseph H. Brennan, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application January 28, 1939, Serial No. 253,449
4 Claims. (Cl. 75—176)

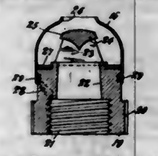
1. Method of treating crude material containing reducible compounds of molybdenum and copper to produce a molybdenum alloy in which the ratio of molybdenum to copper is higher than in said crude material, which includes the step of reducing said compounds in the presence of a basic flux essentially containing sodium sulfide.

2,186,448
CONTROL MECHANISM
Earl C. Bunnell, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application June 4, 1938, Serial No. 211,964
13 Claims. (Cl. 51—164)



1. In combination, a shaft, a member on and tiltable about said shaft, a reversible electric motor for tilting said member, a pair of normally open switches controlling the direction of rotation of said motor, a trigger for each of said switches, means on and manually shiftable about said shaft and selectively engageable with said triggers to selectively close said switches and determine the direction of rotation of said motor, and said triggers being mounted to move with said member and arranged as they are moved therewith out of engagement with said manually shiftable means to again open the circuit of said motor.

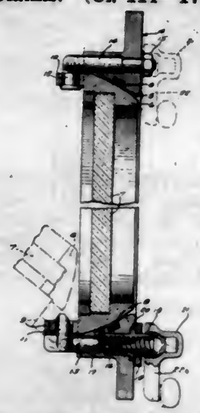
2,186,449
DISPENSING DEVICE
John Drobniewsky, Mount Vernon, N. Y.
Application March 1, 1939, Serial No. 259,150
2 Claims. (Cl. 221—60)



1. In a closure for containers having a neck, an annulus fixed thereon, a valve plug having depending arms integral with said annulus and disposed axially thereover, said annulus having opposed helical channels in its outer surface, a cap circumjacent said annulus, a valve seat cooperative with said plug and carried by said cap, an inreaching projection on said cap extending into said channels, and means for manual-

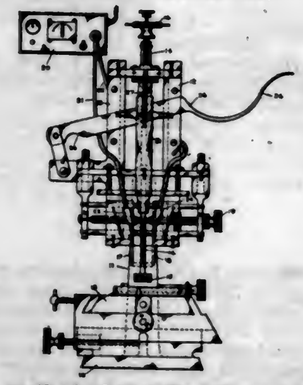
ly rotating said cap whereby said plug may be raised and lowered with respect to said valve seat.

2,186,450
AIRPORT CONSTRUCTION
René Ducroux, Marseilles, France
Application October 12, 1938, Serial No. 234,600
In France November 25, 1937
3 Claims. (Cl. 114—177)



1. An airport construction for ships and the like comprising a frame member having a substantially conical opening, two diametrically opposed bolt members extending through the frame member parallel to the axis thereof, a sash member having a substantially spherical periphery proportioned to seat in the conical opening, two diametrically opposed lateral arms on the sash member having pivot holes therein, two pivots hinged on the corresponding protruding ends of the bolt members and bearing in the said pivot holes, and means operative from the opposite end of one of the bolt members to adjust it longitudinally in the frame member and thereby swing the sash member on the pivot hinge of the other bolt.

2,186,451
METHOD OF INSTALLING UNBREAKABLE WATCH CRYSTALS
Frank E. Dutcher, New York, N. Y.
Application November 20, 1937, Serial No. 175,561
6 Claims. (Cl. 18—59)

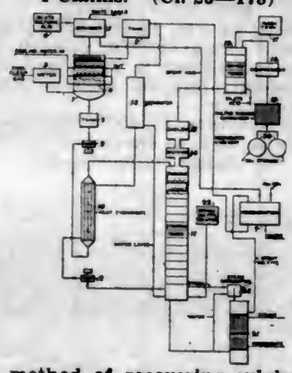


1. The method of installing thermoplastic unbreakable watch crystals which comprises bowing a thickness of the unbreakable material forming the crystal in correct relation with regard to the bezel case in which it is to be mounted, and cutting through the thickness of bowed unbreakable material with the bezel case in heated condition to thereby shape and directly position the cut material in the bezel of the case.

2,186,452
ARTIFICIAL STRUCTURE AND METHOD OF PREPARING SAME
Ernst Freund and Friedrich Deutsch, Vienna, Austria, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 25, 1937, Serial No. 144,760. In Austria June 4, 1936
8 Claims. (Cl. 91—69.1)

1. In a method for the production of lustrous, mirror-like articles, the steps comprising incorporating within a volatile solvent solution of an organic cellulose derivative taken from the group consisting of cellulose esters and cellulose ethers a directly reducible salt of a metal taken from the group consisting of copper, gold, silver and platinum, forming an article from said solution and reducing said salt to form a bright, lustrous metal within said article by means of a reducing agent which will directly reduce said salt without substantial formation of a metal compound of said metal.

2,186,453
RECOVERY OF SULPHUR DIOXIDE
George H. Gleason, Montclair, N. J., and Alfred C. Loonam, Brooklyn, N. Y., assignors to Guggenheim Brothers, New York, N. Y., a co-partnership
Application January 17, 1938, Serial No. 185,348
4 Claims. (Cl. 23—178)

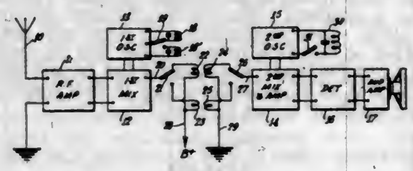


3. The method of recovering sulphur dioxide from gases containing the same in amount equal to approximately 3 to 12 percent by volume which comprises forming a series of pools of absorption liquid by flowing diamethyl-aniline downwardly through a bubble plate tower, passing the gases upwardly through the tower and through the pools of absorption liquid formed therein at substantially atmospheric pressure to effect absorption of sulphur dioxide contained in the gases, cooling one or more of the pools to maintain the dimethyl-aniline therein at a temperature below approximately 20° C. thereby to facilitate absorption of the sulphur dioxide, discharging from the last pool of the series a tail gas containing less than approximately 0.5 percent sulphur dioxide by volume, withdrawing from the lower portion of the tower a solution consisting essentially of sulphur dioxide and dimethyl-aniline and containing not less than approximately 150 grams of sulphur dioxide per liter, heating the solution to liberate sulphur dioxide, and collecting the liberated sulphur dioxide.

2,186,454
LACQUERS CONTAINING CELLULOSE ACETOBUTYRATE AND CELLULOSE ACETOPROPIONATE
Walter E. Gloor, South River, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1937, Serial No. 150,214
12 Claims. (Cl. 91—68)

1. A surface having imposed thereon a basic protective pigmented coating comprising a cellulose mixed organic acid derivative from the group consisting of cellulose acetobutyrate and cellulose acetopropionate, a synthetic resin selected from the group consisting of aromatic polybasic acid-polyhydric alcohol resins modified with a non-drying oil and soluble polymerized vinyl acetate resins, a plasticizer and a solvent and superimposed thereon a clear top coat, containing no pigment, of substantially the same composition, such coated surface being characterized by high weather resistance and substantially permanent retention of gloss.

2,186,455
SOUND AND TELEVISION RECEIVING SYSTEM
Peter C. Goldmark, New York, N. Y., assignor to Markia Corporation, New York, N. Y., a corporation of New York
Application October 24, 1936, Serial No. 107,345
12 Claims. (Cl. 178—5.8)



1. In a radio receiving system adapted for the reception of both a band of ultra short waves and a band of ordinary broadcast waves, the combination comprising means for receiving incoming radio frequency signal energy and selecting a radio frequency from one of said bands, means including a first heterodyning stage coupled to said receiving means for converting the radio frequency into an intermediate frequency, means including a second heterodyning stage connected to receive said intermediate frequency, sound reproducing output means coupled to said second heterodyning stage, coupling means for coupling said heterodyning stages in cascade and having portions for passing separately high valued and low valued intermediate frequencies, said high valued portion including two sets of coupling coils, only one of which is connected to said second heterodyning stage, an independent output means connected to the other of said sets of coupling coils, switch means having members for selecting a path through said coupling means, and a coordinated member associated with said second heterodyning stage for discontinuing the heterodyning frequency when a low valued intermediate frequency is being passed.

2,186,456
SPLINT
Donald Gordon, New York, N. Y.
Application January 8, 1938, Serial No. 183,954
12 Claims. (Cl. 128—87)



7. A traction splint comprising a pair of longitudinal elements, a member flexible in a given plane and adapted to form a ring of variable radius, and means comprising slotted hollow members on said longitudinal elements for enabling said flexible member to be attached to said elements to form a ring with its plane either substantially parallel with the axes of said elements or transverse thereto.

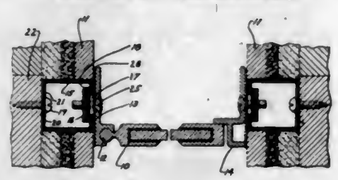
10. A splint comprising a hollow longitudinal ski stick and a ring forming member contained entirely within said stick.

2,186,457
PERFORATED JOINT VALVE FOR GLASS INSTRUMENTS
Wilhelm Juffa, Ilmenau, Germany
Application April 2, 1937, Serial No. 134,518
In Germany May 25, 1936
4 Claims. (Cl. 284—18)



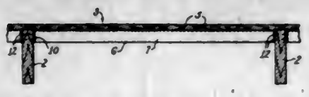
3. In glass instruments for laboratory work, a device for connecting the interior of a container with a space, said device comprising at least two members consisting of glass, one of said members having an exterior ground frustro-conical surface and an interior ground frustro-conical surface, the other one of said members having at least one ground frustro-conical surface adapted to engage the interior frustro-conical surface of the first-mentioned member, said members being adapted to telescope each other in step formation, said frustro-conical surfaces being concentric and extending over substantially the same portion of the length of the members, whereby the two members are interconnected in an air-tight manner, each of the two members having at least one separate passage formed therein which is adapted to communicate with the passage of the other member in a predetermined position of the two members, one of said passages communicating with the interior of said container, the other one of said passages communicating with said space.

2,186,458
DOOR FRAME AND THE LIKE
Louis H. Lehman, Philadelphia, Pa.
Application December 10, 1937, Serial No. 179,053
5 Claims. (Cl. 189—46)



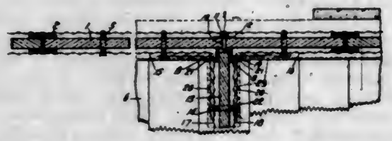
1. In combination, a vertically extending member adapted to be secured in one wall of a door opening, said member having a slotted face disposed substantially flush with the finished surface of said wall, a door jamb member adapted to be secured flatwise against the slotted face of said member, an elongated anchoring member adapted for flatwise engagement against the inner side of said slotted face and in straddling relation with respect to the slot therein, and securing means projecting through said slot for clamping said jamb and anchoring members together, said jamb and anchoring members being bodily shiftable as a unit, when said securing means are loosened, to adjust the position of the jamb member as desired.

2,186,459
PREFABRICATED BUILDING
Austin T. Levy, Harrisville, R. I.
Application September 22, 1937, Serial No. 165,099
8 Claims. (Cl. 108—1)



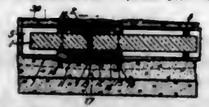
1. In a roof construction, a plurality of spaced rafters, roofers operatively connected to form a unit and arranged in adjacent relation to one another and longitudinally of the rafters to cover the space between adjacent rafters, and means within the lateral limits of the roofers comprising said unit for connecting said unit to said rafters and insertable from above the rafters.

2,186,460
PREFABRICATED BUILDING
Joseph C. Estes, Woonsocket, R. I., assignor to Austin T. Levy, Harrisville, R. I.
Application May 7, 1938, Serial No. 206,621
12 Claims. (Cl. 72—16)



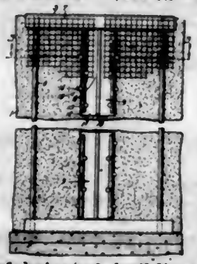
1. In a prefabricated building, a wall including a marginal frame presenting studs and a non-load bearing panel therebetween composed of insulating material, and means including a rigid channel member extending across the unsupported portion of said non-load bearing panel for receiving the adjacent edge of a partition wall and connecting the same to said first mentioned wall between said studs.

2,186,461
PREFABRICATED BUILDING
Marcus Thompson, Harrisville, R. I., assignor to Austin T. Levy, Harrisville, R. I.
Application May 7, 1938, Serial No. 206,649
14 Claims. (Cl. 72—16)



1. In a prefabricated building, a frame presenting panel apertures having a stud between the same, panels in said apertures, anchoring material spacing means along said stud, and anchoring material overlying said panels having a deflected portion spaced by said spacing means from said stud.

2,186,462
PREFABRICATED BUILDING
Howard T. Patterson, Woonsocket, R. I., assignor to Austin T. Levy, Harrisville, R. I.
Application May 27, 1938, Serial No. 210,471
11 Claims. (Cl. 72—16)



1. In a prefabricated building, a wall panel, adjacent sections of anchoring material expansible as a result of temperature changes, and having their edges terminating in adjacent spaced relation on one face of said panel and an expansion joint on said panel connected to the adjacent edges of said sections and in the space between adjacent edges thereof.

2,186,463
LOAD TRANSFERRING MACHINERY
James Franklin Maine, Cleveland, Ohio, assignor to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1937, Serial No. 144,697
21 Claims. (Cl. 214—38)



1. In a load transfer apparatus, a main frame, a body movably supported on the frame and adapted to carry a load, a truck movable on the frame, a rotary support for one end of the body on the frame, the truck being movable on the frame to a position adjacent to the opposite end of the body and comprising means operable to raise that end of the body from the frame and to support the body on the truck at that end and on the frame at the said one end, and the truck being movable to then move the body on its rotary support to dispose the said one end over a station, and a wheel support on the body to engage the station and to support said one end of the body independently of the rotary support.

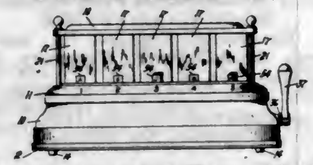
2,186,464
CONDENSATION PRODUCT AND METHOD OF PREPARING SAME
Ernst Alfred Mauersberger, Maarssen, near Utrecht, Netherlands, assignor to Alframine Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 18, 1939, Serial No. 299,976
6 Claims. (Cl. 260—404)

1. The herein described process of producing chemical compounds, which comprises reacting at elevated temperatures aliphatic aldehydes containing 1 to 5 carbon atoms in the molecule, with compounds having the general formula:

$$R.CO.(NH.C_xH_{2x})_n.NH.C_yH_{2y}.OH$$

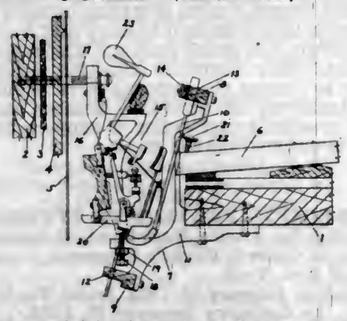
in which R represents any alkyl or hydroxy-substituted alkyl chain of a fatty acid, containing at least 7 carbon atoms, x and y each represent a number from 2 to 5 inclusive and n represents a number from 0 to 3 inclusive.

2,186,465
GAME APPARATUS
Roy W. Miller, Barberton, Ohio
Application January 20, 1938, Serial No. 185,897
6 Claims. (Cl. 273—145)



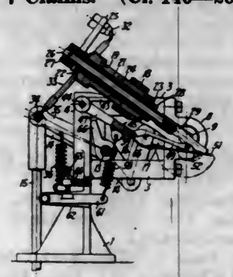
1. In a game apparatus, the combination of a plurality of pistons for supporting playing pieces, respective vertical stems upon the upper ends of which said pistons are mounted, seats for said pistons, yielding means on said stems normally urging said pistons against said seats, a striking bar common to the several stems engageable with the lower ends thereof, yielding means urging said striking bar against a positive stop in which position the pistons are elevated above their seats, and means for retracting said striking bar and then releasing it so that it strikes said stems and impels them upwardly.

2,186,466
PIANO
Arthur H. Morse and Armand F. Knoblaugh, Cincinnati, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio
Application June 24, 1937, Serial No. 150,191
6 Claims. (Cl. 84—240)



1. An upright piano including a key bed, a keyboard comprising a plurality of keys supported on said key bed, an action located to the rear of said keys and at least partially below the level thereof, bracket means supported on said key bed and having rearwardly disposed portions extending both upwardly from and downwardly from said key bed, a rail supported on said bracket means above said keys, a second rail supported on said bracket means below said keys, each of said rails having transverse apertures therein, and a plurality of elongated motion transmitting members having end portions moving in and guided by the apertures in said rails respectively, said motion transmitting members having means intermediate their ends and located near said lower rail for transmitting motion to said action and having means intermediate their ends and located near said upper rail for receiving motion from said keys, said last mentioned means comprising rigid arms extending from said motion transmitting members in a direction to overlie the ends of said keys and to be contacted thereby for motion transmitting purposes at points interspaced from the axes of said motion transmitting members.

2,186,467
PEACH PITTER
Joseph Perrelli, Richmond, and Robert H. Smilie, Berkeley, Calif.
Application August 31, 1935, Serial No. 38,748
7 Claims. (Cl. 146—28)



1. A peach pitter comprising a pair of complementary arcuate knives rotatably mounted on a common axis to describe a surface of revolution substantially conforming to the outer surface of a peach pit split along its suture; means for rotating said knives toward each other and additional means for simultaneously rotating said knives bodily about an axis intersecting said common axis at right angles substantially at the center of said surface of revolution.

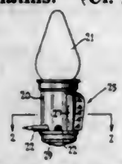
2,186,468
METHOD OF PRODUCING TOOTH FORMS
Jacob R. Schwartz, Brooklyn, N. Y.
Application May 5, 1938, Serial No. 206,189
2 Claims. (Cl. 18—55.1)



1. In the art of producing dental crown forms, the method which includes molding from water-soluble material a tooth model which has a contour section and a locking base, locking the base to a support and exposing only the contour section, coating the surface of the exposed section with a layer of nitrocellulose which becomes rigid upon drying, drying the layer of nitrocellulose, shearing the coated contour section from said

base at the support whereby the base of the nitrocellulose layer is formed even and without irregularities, and dissolving the contour section away with water to effect a separation of the rigid nitrocellulose coat.

2,186,469
ELECTRIC LIGHT SOCKET
Abraham Wolf, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application December 16, 1937, Serial No. 180,086
3 Claims. (Cl. 240—10)



1. In an electric light holder, a husk of insulating material having a recessed area in the outer surface thereof, the bottom wall of said recessed area being below said husk outer surface, an attaching member comprising a strip of resilient material bent substantially in half to provide a pair of interconnected spaced arms adapted to grip a support therebetween, one of said arms being so constructed and arranged as to be slidably and frictionally received in said recessed area, said recessed area extending upwardly from the bottom edge of said husk, and a bottom cap mounted on said husk, and having a portion thereof adapted to overlie the lower end of said recessed area and thereby hold said attaching member captive on said husk.

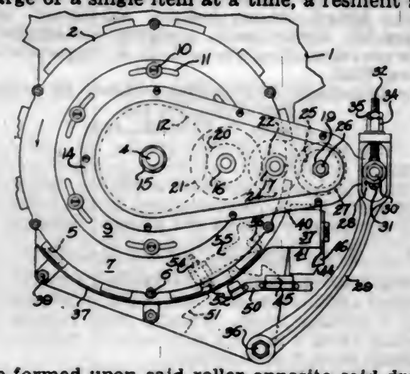
2,186,470
METHOD OF AND MEANS FOR ATTACHING HEELS TO SHOES
Edward H. Bastable, Clifton, Mass., assignor to Shoe Chassis, Inc., Boston, Mass., a corporation of Massachusetts
Application June 7, 1938, Serial No. 212,229
19 Claims. (Cl. 12—142)



1. In the manufacture of shoes, the method which comprises applying an upper and an insole structure to a last, turning the edges of the upper inwardly about the outer face of the insole so as to provide a recessed area bounded by the inturned edges at the rear of said upper, applying a heel seat plate to the heel portion of the insole, the heel seat plate having a depressed body portion fitting into said recessed area and a marginal portion overlying the inturned edges of said upper, applying a heel seat and a heel to said heel seat plate, and securing the heel, heel seat and heel seat plate together.
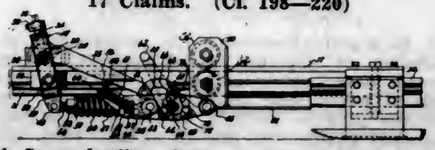
2,186,471
FRUIT PROCESSING APPARATUS
Stephen M. Beede, Jr., San Anselmo, and James Kilburg, San Francisco, Calif., assignors to Sussman, Wormser & Co., San Francisco, Calif., a corporation of California
Application June 26, 1937, Serial No. 150,576
5 Claims. (Cl. 221—135)

1. In combination, a frame, a shaft journaled through said frame, a spacing drum fixed to said shaft, a roller positioned axially parallel to said shaft and spaced from the discharge point on said drum, by a distance sufficient to permit discharge of a single item at a time, a resilient sur-



face formed upon said roller opposite said drum, and a gear drive acting to drive said roller from said shaft at a rate of rotation high in relation to rotation of said shaft.

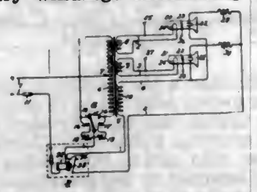
2,186,472
FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS
Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 27, 1938, Serial No. 187,145
Renewed April 29, 1939
17 Claims. (Cl. 198—220)



1. In a feeding device for shaker conveyers, a reciprocating trough section, an extensible trough section, means for extending or retracting said extensible trough section with respect to said reciprocating trough section including a carrier member, a pair of friction grip blocks mounted therein, a bracket pivotally connected to the forward end of said reciprocating trough section, a link mounted in said bracket for yieldable movement with respect thereto in a longitudinal direction and a pivotal connection between said link and one end of said carrier member, a crank pivotally mounted in said bracket and a connection between said crank and the other end of said carrier member, means for positioning said carrier member to extend or retract said extensible trough section including another crank pivotally mounted in said bracket and a connection between said crank and said first mentioned crank, and other means for adjusting said carrier member to change the gripping force of said grip blocks including an eccentric member mounted in said bracket and forming a support for said second mentioned crank.

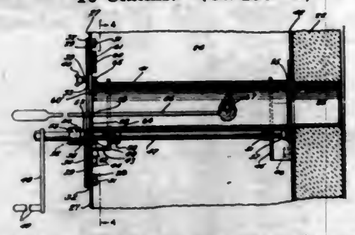
2,186,473
ELECTRIC PROTECTIVE SYSTEM
Alfred Bigalke, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application January 18, 1939, Serial No. 251,637
In Germany January 12, 1938
11 Claims. (Cl. 171—97)

11. In combination, a direct current supply circuit, a plurality of alternating current load circuits, an inverter connected between said supply circuit and said load circuits and comprising a transformer having a primary winding and a plurality of secondary windings each associated with a different one of said load circuits and a contact mechanism for energizing said primary winding from said supply circuit to induce in said secondary windings alternating electromo-



tive forces, a plurality of electric discharge devices each comprising control electrodes and a thermionic cathode, said thermionic cathodes being energized from different load circuits and said control electrodes being energized from another of said load circuits, and means for delaying the energization of said last mentioned load circuit for a predetermined interval of time after the initiation of the operation of said inverter.

2,186,474
FURNACE
John Blizard, Garden City, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application November 4, 1937, Serial No. 172,670
16 Claims. (Cl. 158—1)



1. A furnace having a primary burner and a secondary burner so disposed with respect to the primary burner that operation of the latter will not ordinarily fire the second burner, means providing a chamber having communication with the furnace adjacent the secondary burner through which a torch may be passed to fire the secondary burner, a shutter at the inner and outer end portions of the chamber for controlling fluid flow through the chamber, and means for operating the shutters to permit the entry of the torch into the chamber and the furnace and to prevent a flow of gases and air therethrough sufficient to extinguish the torch when the torch is in the chamber.

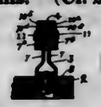
2,186,475
SKID CHAIN
George L. Briggs, Oneida, N. Y.
Application February 25, 1938, Serial No. 192,461
16 Claims. (Cl. 152—233)

1. A skid chain mechanism suitable for use with automobile wheels having drop center rims carrying compressible resilient tires and having holding members carried wholly by the rim, said skid chain mechanism comprising a pair of pressure-plates, each arranged to make contact with a tire at a fixed radial distance thereon on opposite sides of the tire from each other and each having attached to it a connecting device arranged to be engaged with the respective holding member carried by the rim, at least one of said connecting devices being movably mounted on its pressure-plate for bodily movement into and out of engagement with said holding mem-



ber, means carried by said pressure-plate for locking said connecting means in at least one position, and skid chains arranged to span the tread of a tire from one pressure-plate to the other, said chains having their respective ends attached to the corresponding pressure-plates.

2,186,476
ELECTRICAL CONNECTOR
John G. Debby, Cleveland, Ohio
Application April 23, 1936, Serial No. 76,061
5 Claims. (Cl. 200—162)

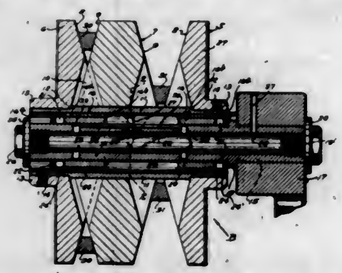


1. An electrical connector having a blade and a clip the latter having arm portions adapted to receive the blade between them in sliding engagement therewith, means mounting the blade and clip for relative movement enabling separation and bringing together of said parts substantially in the same relationship each time the connector is operated, a frame member on the blade with mutually rigid opposite side portions, positioned for engagement with respective arms, the engaging surfaces of the frame sides and arms being angularly disposed so that they wedge against each other to increase the pressure between the slidably engaged surfaces and finally arrest the sliding relative movement of the blade and arms.

2,186,477
OILING SYSTEM
Lloyd Coddington, Minneapolis, Minn.
Application March 25, 1938, Serial No. 198,065
3 Claims. (Cl. 308—117)

1. In combination, a fixed tubular axle, a power driven transmission device concentrically journaled on said axle through the medium of axially spaced bearing bushings that are fixedly carried by the power transmission device and work with lubricant clearance over the tubular axle, means for closing the end portions of the axle bore, radial oil passages from the interior of the tubular axle exposed to said bearing bushings, the hub portions of said transmission device being formed

to afford an annular chamber surrounding said axle intermediate said bearings, an oil intercepting scoop carried by the axle within said annular chamber and terminating in close proximity to the rotary outer wall of said chamber, and fluid ducts leading from said scoop to the spaces between said shaft and bearing bushings, and in further combination with a radial opening



through the tubular axle intermediate said bearings, and in which said scoop is afforded by an outturned end of a U-shaped spring disposed within said tubular shaft and having its scoop-forming outturned end projecting outwardly through said last named radial opening and terminating in close proximity to the rotary outer wall of the chamber surrounding said shaft intermediate the bearings.

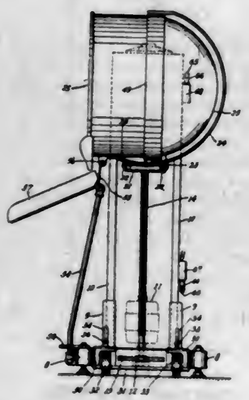
2,186,478

BOWL HANDLING MECHANISM FOR MIXING MACHINES

Walter F. Dehuff, Glen Rock, Pa., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application July 10, 1936, Serial No. 90,039

16 Claims. (Cl. 214—1.1)



8. In a machine for handling mixing bowls, a frame, an elevator movable therein to and from receiving and discharge positions, a supporting surface for a bowl on said elevator, a plurality of flanged rollers mounted upon said surface, a mixing bowl located upon said rollers, a track extending around the bottom and up the sides of said bowl at right angles to the rim thereof, said track being adapted to fit between the flanges and cooperate with said rollers to provide positive guidance for said bowl when it is tilted on said rollers to emptying position.

2,186,479

SKI BINDING

Theodore Elliott, Winchester, Mass.

Application January 27, 1937, Serial No. 122,595

1 Claim. (Cl. 280—11.35)



In combination a ski binding comprising shoe-positioning means adapted to be attached to a ski, means for urging the shoe forwardly and at the same time exerting a downward force on the heel of the shoe, said means comprising a U-shaped coil spring adapted to be positioned in a groove in the heel of the shoe, rods connected to the ends of said spring, fulcrums for said rods, means connected to the other ends of said rods for applying tension to said spring, said rods being held by said fulcrums at positions lower than said rods would normally assume when under tension, said rods and fulcrums providing means for changing the line of force to said spring to a position progressively to the rear of said fulcrum as the heel of the shoe is raised.

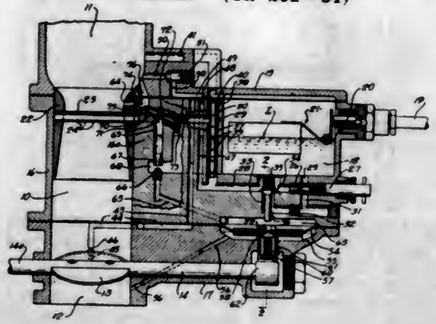
2,186,480

CARBURETOR

Paul W. Ensign, San Marino, Calif., assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif., a corporation of California

Application February 21, 1938, Serial No. 191,671

3 Claims. (Cl. 261—34)



1. In a carburetor containing a suction passage having an inlet, an outlet and a throttle in the passage; a movable fuel displacement member having a fuel displacement stroke, a fuel chamber at one side of said member and from which chamber fuel is displaced throughout the fuel displacement stroke, means forming a fuel discharge passage leading from said chamber to the suction passage, means applying to said fuel displacement member a force, dependent on the depression occurring in the suction passage at the outlet side of the throttle, tending to move said member in a direction opposite to the direction of its fuel displacement stroke, and means for moving said displacement member through its fuel displacement stroke including an actuating member which in its normal position acts as a stop to limit movement of the fuel displacement member by the depression force and adapted to be moved by throttle opening movement to move the displacement member through a part of its stroke, and a yielding actuating member carried by said first mentioned actuating member and acting to move the displacement member through the remainder of its stroke.

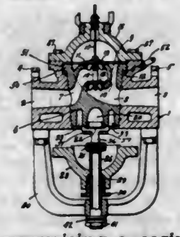
2,186,481

VALVE

James Leo Fleming, Los Angeles, Calif.

Application January 31, 1938, Serial No. 187,797

6 Claims. (Cl. 277—53)



1. A valve comprising a casing having a plug opening and fluid passages communicating with said plug opening, a plug in said opening having two distinct systems of passages therein for independently intercommunicating the fluid passages in said casing in two different positions of said plug, in which each of said passage systems includes a separate valve operable independently of the other for controlling flow of fluid therethrough.

2,186,482

GROUND ROD

Robert J. Frank, Pittsburgh, Pa., assignor to Copperweld Steel Company, a corporation of Pennsylvania

Application July 16, 1938, Serial No. 219,572

1 Claim. (Cl. 174—7)



A ground rod including a cuprous sleeve having a cylindrical bore therein threaded internally, and a pair of rod sections each having a ferrous core and a cuprous sheath with threads at the end formed exclusively in the sheath, said ends being threaded into said sleeve until they abut whereby driving blows are transmitted directly from one rod section to the adjacent section.

2,186,483

SADDLE CONNECTION FOR BICYCLES, MOTORCYCLES, AND THE LIKE

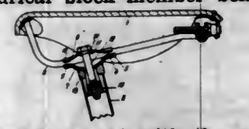
Guido Angelo Guidetti, Milan, Italy, assignor to Compagnia Continentale Di Sellerie Ciclistiche Ed Affini, S. A., Milan, Italy

Application December 31, 1937, Serial No. 182,697

In Italy January 7, 1937

1 Claim. (Cl. 287—14)

A mounting for the saddles of bicycles, motor cycles and the like comprising a saddle frame, an upper plate jaw located above said frame, a lower plate jaw located below said frame, said lower plate jaw being arcuate and having a serrated under surface, a cylindrical block member engaging said lower plate jaw, the upper end of said cylindrical block member being segmental



and serrated to co-act with the serrated lower plate jaw, a wedge member engaging in a hole in said cylindrical block and located in the saddle pillar of the vehicle, and a bolt passing through both plate jaws, saddle frame and cylindrical block and screwing into said wedge member securing the saddle in position.

2,186,484

FOLDING SCAFFOLD

Fredrich J. Gunther, Olive, Calif.

Application February 28, 1939, Serial No. 258,898

1 Claim. (Cl. 304—7)



A folding trestle of the character described, comprising a horizontal top member, and a leg assembly pivotally secured adjacent each end thereof and adapted to be optionally moved to folded position underlying said top member or to top-supporting position extending angularly downwards and outwards therefrom, each of said leg assemblies comprising an upper ladder with which the pivotal connection for that assembly is associated, a lower ladder slidably mounted thereon for telescopic adjustment with respect thereto, and means for releasably locking said ladders in selected degree of extension comprising a rod bent to present at each end thereof an upright portion, an inwardly extending horizontal portion, and a laterally extending horizontal portion joining the upper end of said upright portion and the outer end of said inwardly extending portion, each of said upright portions being pivotally connected to one leg of one of said ladders and said pivotal connections of said upright portions being axially aligned whereby said inwardly extending portions and the central portion of said rod joining them can be disposed under a step of the other ladder of the associated leg assembly with said upright portions engaging outer faces of one of said ladders to limit downward movement of said inwardly extending portions, and a bracket affixed to each leg of said other ladder under each of said steps thereof, each of said brackets comprising a plate affixed to the inner face of the associated leg, a flange projecting therefrom and supporting one end of one of said steps, and a pair of vertically spaced flanges spaced below said step-supporting flange and adapted to receive one of said inwardly extending portions of said rod therebetween.

2,186,485

SLIP SHEET FEEDER

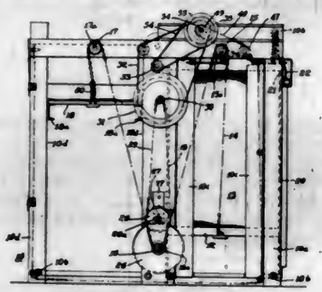
Richard S. Harm, Dormont, Pa., assignor of one-half to Guy W. Battles, Springdale, Pa.

Application May 23, 1938, Serial No. 209,455

6 Claims. (Cl. 34—1)

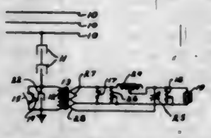
5. Apparatus of the character described com-

prising a feed table for supporting a stack of slip sheets, a receiving table, driven feed rolls adjacent the top of the stack of sheets on said feed table, means for periodically engaging and feeding between said feed rolls the top sheet of the stack, means for receiving and supporting each



sheet delivered by said feed rolls, means operating in timed relation to said feeding means for periodically releasing said sheets whereby the same are deposited on said receiving table, and means for elevating said feed table and lowering said receiving table.

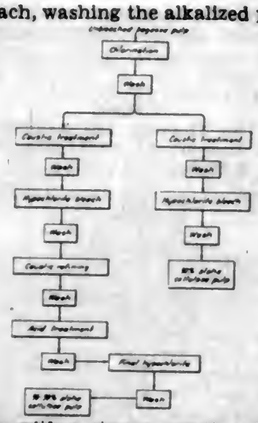
2,186,486
CAPACITANCE POTENTIAL DEVICE
Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 8, 1939, Serial No. 283,414
7 Claims. (Cl. 172—238)



1. The combination with an alternating voltage source of a transformer having its primary winding capacitatively connected with said source, a burden connected with the secondary of said transformer, and means for influencing the phase angle of the voltage impressed on said burden relative to the voltage of said source, said means comprising supplemental winding turns on said transformer and a capacitor connected in series circuit relation with said turns.

2,186,487
BLEACHING PULP
Herman L. Joachim, San Francisco, Calif., assignor to Maui Agricultural Co. Ltd., a corporation of the Territory of Hawaii
Application September 22, 1938, Serial No. 231,199
6 Claims. (Cl. 8—105)

1. A process for purification of a substantially delignified but substantially otherwise untreated bagasse pulp to produce a high grade alphacellulose pulp comprising treating an aqueous suspension of said pulp with free chlorine in an amount from about 62.5% to about 67.5% of the total chlorine demand of said pulp and at a temperature below about 80° F., washing the chlorine treated pulp, treating the washed pulp with an alkaline liquor, washing the alkali treated pulp, treating the washed pulp with an acid hypochlorite solution containing substantially all additional chlorine required to oxidize remaining impurities, alkalizing said pulp during said hypochlorite bleach, washing the alkalized pulp, treating the pulp with a strong caustic solution, and washing the pulp.



2,186,488
MEANS OF REGULATING FLOW OF FLUID WITHIN A WELL
Mordica O. Johnston and Wilbur F. Bettis, Glendale, Calif.; said Bettis assignor to said Johnston
Application April 15, 1937, Serial No. 137,058
8 Claims. (Cl. 166—1)



1. A flow device comprising a sleeve, a passageway therethrough, a valve bushing disposed at a point within said passageway, a tubular mandrel mounted within the sleeve and slidable through the valve bushing, threads formed at a point within said sleeve, a head formed on one end of said tubular mandrel, said head being threaded and engaging the threaded portion of said tubular sleeve, said mandrel being closed at its inner end and formed for a distance in its length adjacent the closed end with a plurality of axially spaced radial ports normally closed by the valve bushing and adapted to be progressively opened in sequential order as the threaded head of the mandrel moves along the threaded portion of the tubular sleeve.

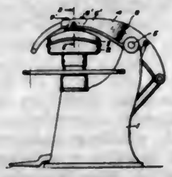
2,186,489
AUTOMATIC ANNULAR VALVE
Karl Kehler, Vienna, Austria, assignor to the firm Hoerbiger & Co., Vienna, Austria
Application November 4, 1937, Serial No. 172,725
In Germany August 26, 1936
4 Claims. (Cl. 251—119)

1. An annular valve assembly wherein the inand out-flowing stream of a medium is directed substantially parallel to its axis, comprising a flat valve plate, a valve trap, and a valve seat, each having passages therethrough, each of said passages of said valve seat including a portion inclined toward the face thereof opposing said valve plate, each of said passages of said valve trap including a portion inclined toward the face



thereof opposing said valve plate, the end portion of each passage opposite the inclined portion in said seat and said trap being substantially parallel to the axis of said valve assembly, said inclined portions substantially in alignment with each other and in communication through said passages of said valve plate when said valve assembly is in operative position.

2,186,490
LAUNDRY PRESS
Stanley Marvin, San Francisco, Calif., assignor to B. E. Witkin, Oakland, Calif.
Application August 23, 1937, Serial No. 160,490
4 Claims. (Cl. 38—36)



1. In a laundry press having an upper presser buck carried by a presser arm, spring means suspending the buck below the arm and normally urging the buck upward, two pairs of oppositely directed wedges positioned between the arm and the buck, and means for variously adjusting said wedges for forcing the buck down against the action of said spring means comprising a threaded hub on one of each pair of wedges threaded right and left respectively, a bar threaded right and left at its opposite ends engaging in said hubs, means facilitating turning of said bar, and means preventing longitudinal motion of said bar.

2,186,491
GOLF BAG
Lyle H. Meyer, Washington, D. C.
Application January 23, 1939, Serial No. 252,485
5 Claims. (Cl. 150—1.5)

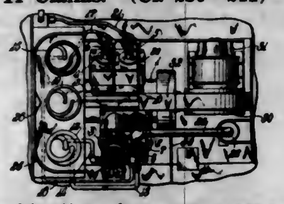
1. In a golf bag, a frame structure including a guide bar extending longitudinally along one side of the frame structure and having a detent on its outer face near the top thereof; a pair of legs pivotally mounted on the frame structure at the side opposite said guide bar; a yoke longitudinally slidable along the inner longitudinal surface of said guide bar, said yoke being connected to said legs; a plate connected in parallel spaced relation to the yoke and adapted to slidably engage the outer longitudinal surface of said guide bar, said plate having upper and lower bearings on the outer surface thereof; a latch pivotally connected intermediate its ends to the upper bearing on the plate and having its upper end formed for engagement with the detent on the guide bar; a spring engaging the latch for

retaining said latch in engagement with the detent when said yoke and plate are in their upper longitudinal position; and a carrying handle having its lower end pivotally connected to the lower bearing on the plate and having its upper end pivotally connected to the latch at a point below the pivotal mounting of said latch, said carrying handle serving as a means for moving said yoke and plate along said guide bar, said yoke



and plate when in their upper longitudinal position with the latch in engagement with the detent, retaining said legs adjacent and substantially parallel to the side of the golf bag and when in their lower longitudinal position, projecting said legs outwardly to form with the bag a tripod to support the bag in substantially upright position, said carrying handle releasing said latch from engagement with the detent when said handle is moved downwardly about its pivotal mounting.

2,186,492
PUMPING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 16, 1936, Serial No. 59,435
11 Claims. (Cl. 230—211)

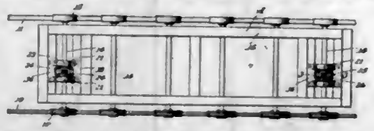


1. In combination, in a compressor, cylinder structures arranged in V relation, cooling means for the compressed fluid including intercoolers at one end of said compressor in the same vertical planes extending longitudinally of the compressor with said cylinder structures respectively, a cooling fan arranged at the end of said compressor opposite said intercoolers, and means for distributing substantially opposite to fan discharge the air therefrom in distinct streams to the cylinder structures and intercoolers at the opposite sides of the V.

2,186,493
SAWMILL CARRIAGE OFFSET
George W. Peck, New River, Tenn.
Application November 19, 1937, Serial No. 175,535
2 Claims. (Cl. 143—109)

1. In a device of the character described, a

carriage, axles rotatably journaled transversely of the carriage and having track wheels fixed thereto and located near opposite ends of said carriage, a brake drum fixed to each axle, bearings on opposite sides of each drum on the said carriage, externally screw-threaded hubs loose about the axles, internally threaded collars seated in the bearings and engaged by said hubs, the bearings being spaced from each other for displacement of the hubs, cheeks on the hubs, two-part band carriers about the drums and inter-



fitted with the cheeks through tongue and groove connections, means fastening the cheeks together and interfitted with the carriers, brake shoes connected with each carrier, means accessible between the two parts of the carriers for adjustment of the brake shoes, and striker heads uppermost of the cheeks and carriers, in matched relation to each other and forming stop shoulders at opposite sides of the axis of each drum for engaging a fixed contact upon said carriage in the path of the shoulders next thereto.

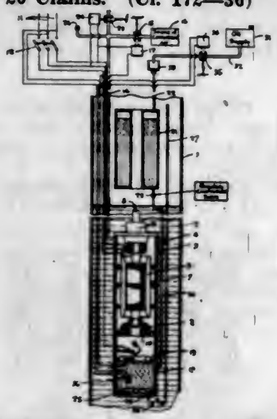
2,186,494

SUBMERSIBLE ELECTRIC MOTOR

George T. Pfleger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Application December 6, 1937, Serial No. 178,249

20 Claims. (Cl. 172—36)



1. In a submersible motor, a casing, a rotor and a stator within the casing, a liquid filling for the casing, and means responsive to energization of the motor for expelling at least some of the filling from the casing.

2,186,495

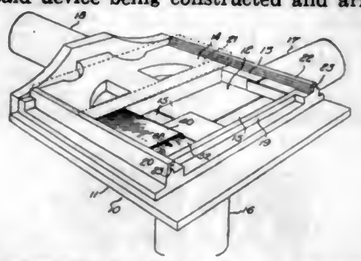
ATTACHMENT FOR PRESSES

Benjamin J. Pierson, Johnstown, N. Y., assignor, by mesne assignments, to Formrite Bacon Press Corporation, Colonie, N. Y., a corporation of New York

Application April 17, 1939, Serial No. 268,423

19 Claims. (Cl. 100—57)

1. In combination with a press having a press chamber and means movable in three directions for reducing the capacity of said chamber, a filler device adapted to be arranged in said chamber, said device being constructed and arranged



to be reducible in size in two directions upon movement of said means.

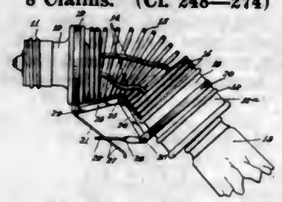
2,186,496

ADJUSTABLE LAMP SOCKET

Leonard W. Reis, Jersey City, N. J., assignor of one-half to Edwin Werner, New Dorp, Staten Island, N. Y.

Application July 6, 1938, Serial No. 217,671

8 Claims. (Cl. 248—274)



1. The combination with an electrical connector, of a support therefor, a coil spring threaded on and spacing said connector and support, a pair of flexible conductors within said spring and extending into said support and connector, means for holding the spring transversely flexed, and means comprising articulated links substantially contiguous the spring convolutions on the side most sharply flexed, connected adjacent the ends of the first means, and adapted to push some of the more longitudinally central convolutions inwardly toward said conductors when said spring is flexed to one side.

2,186,497

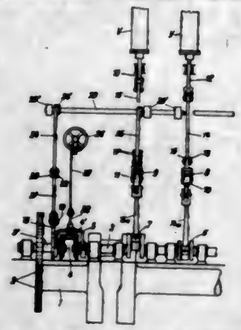
VALVE CONTROL

Wilhelm Rieger, Kassel-Wilhelmshohe, Germany

Application January 13, 1938, Serial No. 184,895

In Germany January 26, 1937

9 Claims. (Cl. 121—178)



1. A valve operating and reversing mechanism comprising a valve having a valve stem, a link, a link block, eccentric means for giving said

link an oscillating movement, means for angularly displacing said eccentric means, and means for simultaneously adjusting the position of said link block with respect to said link upon said angular displacement.

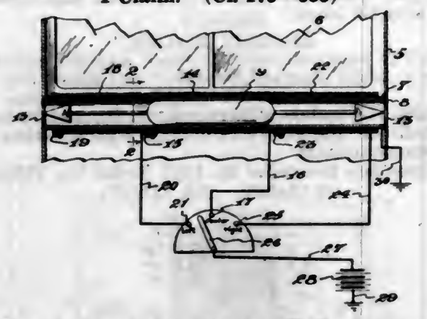
2,186,498

VEHICLE DIRECTION INDICATOR

Amalia de Murguiondo Riggs, Washington, D. C.

Application October 5, 1937, Serial No. 167,430

1 Claim. (Cl. 175—335)



In a device of the class described, a non-magnetic metallic tube, an electric coil wound on the outside of said tube near each end thereof and a third coil wound on the outside of said tube at the center thereof, a magnetic core slidable within said tube within the field of operation of each of said coils, stops at the ends of the tube for engaging said core to limit the movement thereof from its central position, each of said coils having one of its ends in electrical connection with said tube and the other of its ends connected to contacts disposed in positions corresponding to the placement of said coils, with the end of the center coil leading to a pair of medial contacts spaced from a central position, and an electric circuit for selectively energizing said coils comprising a source of electric energy and a switching device cooperating with said contacts to switch said energy source into circuit with one of said coils and thereby to control the positioning of said magnetic core, said switching device being formed as a resilient member tending normally to assume a neutral position between said medial contacts subsequent to the compulsory energization of said center coil following the energization of either of said end coils.

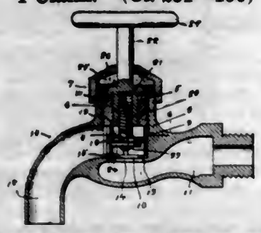
2,186,499

REPLACEABLE VALVE ASSEMBLY

Aurelio T. Riva, Habana, Cuba

Application November 21, 1938, Serial No. 241,693

1 Claim. (Cl. 251—156)



In a valve of the type having an inlet and outlet separated by a seat and a chamber outwardly of said seat and having a lateral port and extending therefrom a cylindrical bore, a replaceable valve unit adapted for arrangement in said bore by threading therein, said unit comprising, a valve housing having integrally formed upper and lower sections, said upper section being exteriorly threaded and adapted for a tight-threaded fit with said bore and adapted to extend between the upper and lower ends of said bore and superjacent said chamber whereby to form a seal with the wall defining said bore to preclude seepage of liquid from said chamber upwardly within said bore, said lower section adapted to be positioned solely within said chamber and fashioned with an open bottom and an apertured side for cooperation with said lateral port, said lower section formed with radially extending and oppositely disposed slots adapted to be closed by the wall defining said chamber, said slots adapted to extend throughout the length of said chamber and the length of said lower section and whose upper ends terminate at the jointure of said lower section with said upper section, a replaceable valve seat member adapted to be arranged about and over the seat of said valve and circumjacently maintained thereon by said lower section to provide a valve seat for said valve, a valve member arranged within said lower section for movement therein and formed with ears slidably operable in said slots and coacting with the walls defining said slots to preclude rotation of said valve member relative to said housing and said seat member, said housing fashioned with a lengthwise bore having upper and lower end portions with the upper end portion of a larger diameter than the lower end portion and defining therebetween a shoulder, a valve stem having a lower end rotatably mounted in said lower end portion of said lengthwise bore and fashioned with a collar superjacent said lower end and seated on said shoulder for precluding downward movement of said stem relative to said housing, and means connecting said stem to said valve member whereby upon rotation of said stem axial movement of said valve member is effected with respect to said replaceable valve seat for controlling communication between said inlet and outlet.

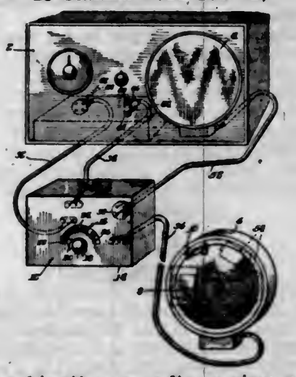
2,186,500

RADIOPHONE COMMUNICATION SYSTEM

William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application August 6, 1937, Serial No. 157,787

18 Claims. (Cl. 179—1)



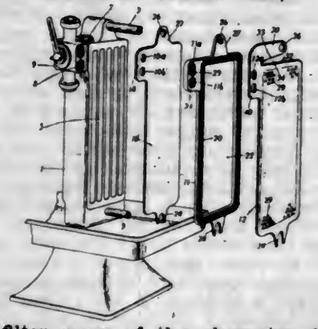
1. In combination, a radio receiver comprising a signal circuit and a reproducer, a second reproducer located at a point remote from said receiver, and a control unit for selectively connecting both of said reproducers in the output of said circuit or one of said reproducers in the

output of said circuit and the other of said reproducers to an intermediate point in said circuit whereby radio or two-way telephonic communication is selectively established with the remote point by means of said radio receiver.

2,186,501
FILTER PRESS

Richard Seligman and Hugh Frederick Goodman, Point Pleasant, Wandsworth, London, England, assignors to The Aluminum Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England

Application April 20, 1938, Serial No. 203,184
In Great Britain September 24, 1937
8 Claims. (Cl. 210—188)

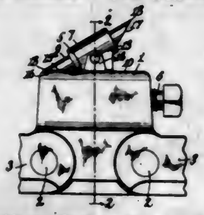


1. A filter press of the character described, comprising upper and lower guide bars, filter elements, upper and lower means for mounting said elements on said bars for sliding horizontal movement thereon, said lower mounting means extending downwardly from the lower portion of the elements and upper mounting means extending laterally from one side of the elements adjacent the upper edge thereof leaving one side edge and the upper edge of said elements, on which a filter cloth is supported, free to facilitate the application and removal of filter cloths when the press is open.

2,186,502
CUTTER CHAIN

Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 27, 1933, Serial No. 677,880
Renewed March 13, 1939
12 Claims. (Cl. 262—33)



1. In a cutter chain, in combination, a bit block, a detachable cutter bit holder carried by said bit block and having a forwardly and outwardly inclined opening for receiving a cutter bit, a cutter bit receivable in said holder opening and having a forwardly facing abutment surface thereon, adjustable means mounted on said holder and guided on said holder for relative movement bodily with respect thereto, said means engaging a surface on said bit block and said forwardly facing abutment surface for securing the cutter bit against forward axial release from said holder opening and said holder having guiding means thereon for said adjustable means within which the latter is movable longitudinally of said holder and which guiding means on the holder coact with the forwardly facing surface of said adjustable means to preclude displacement of said adjustable means forwardly with respect to the holder whereby the adjustable means holds the bit against forward movement in said opening and releasable means for securing said holder on said bit block.

2,186,503
ROCK DRILL

Frank E. Sinclair, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 30, 1937, Serial No. 182,550
12 Claims. (Cl. 121—7)

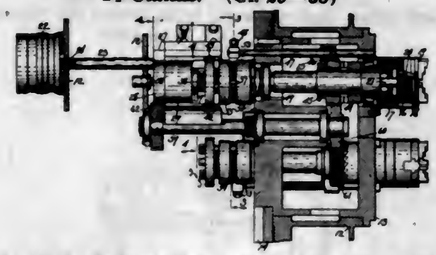


1. In a rock drill, in combination, a pressure fluid actuated hammer motor for percussively actuating a drill steel, drill steel rotation mechanism for rotating the drill steel as the latter is percussively actuated including relatively rotatable ratchet and pawl carrier elements, one of which is stationary and the other of which is rotatable, means for interrupting drill steel rotation while percussive actuation of the drill steel continues including pawl trip means normally rotatable with said rotatable element and fluid actuated means for holding said trip means against rotation to effect release of the pawls of the pawl carrier element from the teeth of said ratchet element, and a throttle valve embodied in the drill for controlling the flow of actuating fluid to both said hammer motor and said fluid actuated means.

2,186,504
CHUCK OPERATING MECHANISM

Harry E. Sloan, Hartford, and George A. Highberg, West Hartford, Conn., assignors to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut

Application April 12, 1938, Serial No. 201,498
14 Claims. (Cl. 29—38)

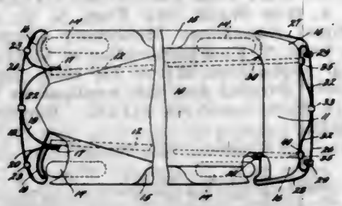


1. A chuck actuating mechanism including a rotatably mounted spindle member and a chuck jaw actuating rod member independently movable one within the other, a chuck secured to one end of one of said members, chuck jaws movably mounted on said chuck and operatively connected with one end of the other of said members, a seating disk rigidly secured to one of said members, a spring compressing disk rigidly connected with the other of said members, a spring supporting disk independently of either of said members rigidly connected with said seating disk, means independent of said seating disk for resisting movement of said spring supporting disk, and means for actuating one of said members to operate said jaws independently of the other of said members.

2,186,505
MOTOR VEHICLE

Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 10, 1935, Serial No. 44,460
16 Claims. (Cl. 293—55)

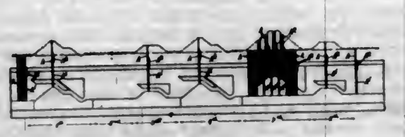


1. In a motor vehicle, the combination with a vehicle frame carrying sheet metal fenders at each side of one end thereof, of a bumper extending uninterruptedly across the end of the frame and across the side of the end portions of the fenders, said bumper being connected to the frame adjacent the end of the latter, and having the ends thereof extended inwardly and attached to the frame so as to encompass the entire end portions of the fenders.

2,186,506
CIRCULAR KNITTING MACHINE FOR PRODUCING ELASTIC FABRICS

Ernest John Towers, Ruddington, England, assignor to George Blackburn and Sons Limited, Nottingham, England

Application April 3, 1939, Serial No. 265,798
In Great Britain February 15, 1938
6 Claims. (Cl. 66—9)



1. In a circular knitting machine, the combination of a needle cylinder, needles therein, a cam case associated with the cylinder, a dial, loop transfer instruments in the dial, a dial cam cap associated with the dial, and cams in the cam case and dial cam cap which are adapted to actuate the needle and transfer instruments and effect the following operations at different points in the circumference of the machine, divide the ground thread loops between the needles and transfer instruments at one point so that an elastic weft thread can be introduced between them, restore the loops to the needles at another point, and knit an ordinary course on the needles at another point, substantially as described.

2,186,507
DEVICE FOR SHARPENING CLOTH CUTTING MACHINE BLADES

Samuel Trantino, New York, N. Y., assignor to Federal Cutting Machine Company, New York, N. Y.

Application June 20, 1938, Serial No. 214,635
2 Claims. (Cl. 51—248)



2. A manually operable sharpening device for reciprocating knives of cloth cutting machines comprising a pair of spaced plates constituting a grip for one hand, a pair of levers pivoted between said plates, means connected across the upper ends of said levers for normally holding said levers apart, said means and the upper ends of said levers being disposed between said plates, means at the lower ends of said levers for grasping said levers with the other hand, brackets pivotally attached to said levers at points between said plates and the ends of said levers, and said brackets having secured thereto abrasive discs.

2,186,508
PAPER CLIP

George B. Tremmel, Washington, D. C., assignor of fifty per cent to Harold B. Alderson, Washington, D. C.

Application July 21, 1939, Serial No. 285,798
3 Claims. (Cl. 40—23)



1. In combination with a wire clip formed by an inner and an outer convolution positioned in a common plane and having free extremities of the convolutions spaced from one another, a rectangular sheet of material adapted to carry a legend and being of a width slightly greater than the width of the outer convolution and of a length substantially equal to said outer convolution, the sheet having longitudinal edges thereof extending around and secured to only a quarter segment of the wire forming the outer convolution, and a prong extending from one end of said sheet intermediate said longitudinal edges; said prong being adapted to be secured to said free extremity of said outer convolution and said sheet intermediate the planes of said longitudinal edges.

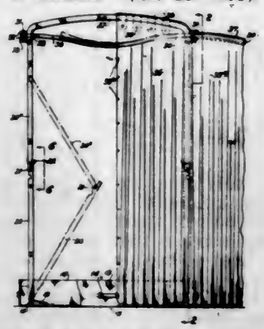
2,186,509
FINISHING LEATHER

Fredrick J. Wallace, Erie, Pa., assignor to Robeson Process Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 12, 1938, Serial No. 218,881
11 Claims. (Cl. 149—4)
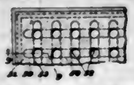
1. In the manufacture of leather, the improvement which comprises impregnating tanned leather with recovered lignin from woody fibers, solubilized by alkali, and insolubilizing the lignin in situ in the leather.

2,186,510
COLLAPSIBLE DRAPED PARTITION
Vernon F. Walter, New York, N. Y., and Morris Lange, Cleveland Heights, Ohio, assignors to The Superior Funeral Supply Company, Cleveland, Ohio
Application May 24, 1939, Serial No. 275,414
2 Claims. (Cl. 45—106)



1. A background for burial caskets, including a case, a collapsible frame receivable in the case, and connected thereto, and having a top member, an arm pivoted to each side portion of the frame adjacent its upper end and movable in one position to form a continuation of the top of the frame and to lie in the same vertical plane therewith, and in a second position to lie substantially parallel to the frame so as to be foldable therewith and received in the case, means to rigidly secure each arm in adjusted position, and curtains supported by and covering the frame and arms, the lower ends of each of the curtains being free and freely movable into and out of the case, whereby in use to provide for their disposition over the front of the case thereby to conceal the latter, said curtains having their adjacent sides formed to overlap and in said first position of the arms lying in the same vertical plane, whereby to impart the appearance of a continuous effect.

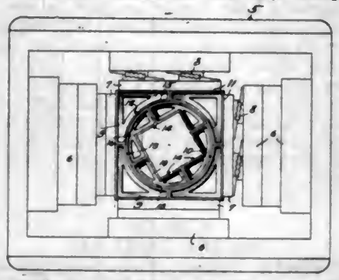
2,186,511
WALLBOARD
Floyd D. Welch, Shreveport, La.
Application September 23, 1937, Serial No. 165,395
5 Claims. (Cl. 20—4)



1. A wallboard having a plurality of air chambers having an opening at the outer face of the wallboard, each chamber including a plurality of pockets extending inwardly from the opening, and having substantially the same cross sectional area throughout the lengths thereof.

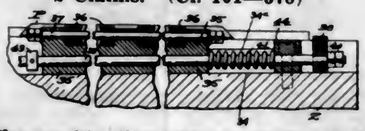
2,186,512
LOCK-UP SET
Charles S. Wilson, Miami, Fla.
Application September 27, 1938, Serial No. 231,975
2 Claims. (Cl. 101—391)

1. A holder for holding type forms in predetermined angular positions within a printer's chase, comprising an outer sectional member and an inner sectional member, the inner sectional member being mounted for rotary adjustment within the outer sectional member, said inner sectional member having rectangular surfaces for the reception of a type form, and said outer and inner sectional members having cooperating



curved surfaces, and means for securing the holder within a printer's chase.

2,186,513
MARGIN BAR FOR PRINTING CYLINDERS
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Original application March 21, 1934, Serial No. 716,560. Divided and this application November 19, 1936, Serial No. 111,561. Renewed May 19, 1939
2 Claims. (Cl. 101—378)



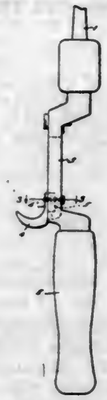
1. The combination with a printing plate cylinder having a slot, of a slide in the slot, said slot having a slanting floor and top, whereby, as the slide is moved along the slot it will move outwardly or inwardly in a radial direction and a margin bar pivoted to said slide and having flanges for engaging the ledges of two printing plates located adjacent thereto and on opposite sides thereof.

2,186,514
GREASE
Leonard W. Yagle, Kansas City, Mo., assignor to Battenfeld Grease and Oil Corporation, Kansas City, Mo., a corporation of Missouri
No Drawing. Application July 3, 1936, Serial No. 88,827
3 Claims. (Cl. 87—9)

1. A transparent, smooth textured grease having a sodium soap content between two and ten percent by weight, a water content from one hundredth to twenty-five hundredths percent by weight, a free alkali content from one hundredth to ten hundredths percent by weight, a glycerine content from zero to five tenths percent by weight, and a hydrocarbon oil content from ninety-seven and ninety-eight hundredths to eighty-nine and fifteen hundredths percent by weight, said grease having a melting point as determined by the Ubbelohde drop method from 250° to 350° F. and a penetration number from 240 to 400, said grease being sufficiently transparent that ordinary print can be read through a layer of grease at least one inch in thickness.

2,186,515
ADJUSTABLE FINGER GRIP FOR FISHING RODS
Leo A. Yuncker, Mansfield, Ohio
Application September 13, 1937, Serial No. 163,649
Renewed March 25, 1939
3 Claims. (Cl. 43—22)

1. In a fishing rod provided with an elongated straight portion in front of the handle, said portion forming a reel seat and having a longitudinally extending slot therein, a finger grip having an elongated base part provided with an elongated tongue on that face which is opposite the grip portion, said tongue having a sliding



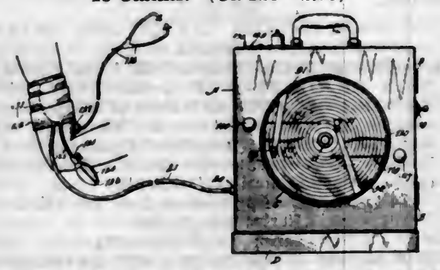
fit in the slot, and a screw passing through the slot into the tongue and base part for adjustably holding the grip in position, said screw passing into the base part adjacent the free end thereof for permitting the grip portion to be positioned beyond the handle end of the straight portion.

2,186,516
METHOD OF PREPARING OF PROGRESSIVE-BURNING SMOKELESS POWDER AND PRODUCT THEREOF
Floyd L. Boddicker, Ishpeming, Mich., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 13, 1936, Serial No. 105,361
14 Claims. (Cl. 52—5)

1. The method of coating smokeless powder grains with a deterrent which includes the step of surface coating of smokeless powder grains with a water-soluble deterrent substance.

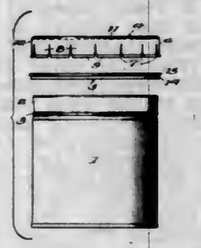
4. Progressive burning smokeless powder comprising smokeless powder grains surface coated with a water-soluble deterrent material.

2,186,517
APPARATUS AND METHOD FOR ASCERTAINING AND RECORDING CONDITIONS OF THE CIRCULATORY SYSTEM
Thomas Bradford, Chicago, Ill., assignor to William J. Cameron, Chicago, Ill.
Application August 22, 1936, Serial No. 97,396
13 Claims. (Cl. 128—2.05)



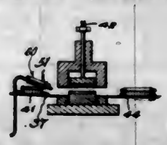
1. Apparatus of the kind described comprising a pressure-responsive device, a rod connected to and reciprocated by said device, a pointer, a lever mechanism having operative connection with and adapted to actuate said pointer, and a manually operated clutch structure having a member adapted to be clamped to and form a positive connection with said rod, said clutch adapted to be operated to release said member from said rod, said clutch structure also having another member that is operatively connected with and actuates one of the elements of said lever mechanism.

2,186,518
CLOSURE FOR CONTAINERS
Joseph Buono, Brooklyn, N. Y., assignor to Geo. V. Clark Co., Inc., Long Island City, N. Y., a corporation of New York
Application April 21, 1937, Serial No. 138,257
12 Claims. (Cl. 220—61)



1. In combination, a container having resilient lip and neck walls and a resilient, friction-type closure having a depending peripheral flange with a curled margin adapted to fit tightly over said neck wall and to conform thereto, and a tightly fitting ring adapted to fit over said closure and to compress said depending flange tightly against said neck wall to make a friction-type seal therewith, said ring having a curled portion spaced from the curl of said depending flange, when said ring is in its seated position, a sufficient distance to permit entry of an implement therebetween, thereby permitting removal of said closure without destruction of said ring.

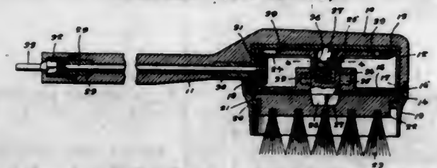
2,186,519
MANUFACTURE OF CLOSURES FOR CONTAINERS
Joseph Buono, Brooklyn, N. Y., assignor to Geo. V. Clark Co., Inc., Long Island City, N. Y., a corporation of New York
Application September 14, 1938, Serial No. 229,966
6 Claims. (Cl. 113—121)



1. In the manufacture of closures with clamping rings, the process which comprises cutting a circular blank from sheet metal, drawing said blank into the form of a cap with a depending peripheral skirt, the lower ring portion of said skirt being expanded slightly during the drawing operation to such an extent that its inner diameter substantially corresponds to the outer diameter of the upper cap portion of the skirt, curling the margin of said ring portion of the skirt leaving a short straight-sided section above said curl, severing said ring portion of the skirt from the cap portion, curling the marginal edge of the

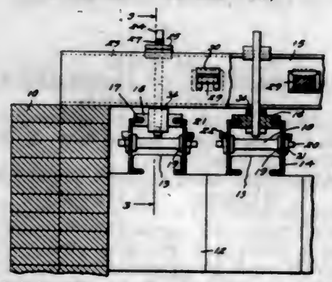
skirt of the cap portion, turning the severed ring portion upside down and applying it over the cap portion as a clamping ring.

2,186,520
TOOTH BRUSH
Sidney Dail Burkinshaw, Brocksburg, Nebr.
Application May 31, 1938, Serial No. 211,032
1 Claim. (Cl. 15—28)



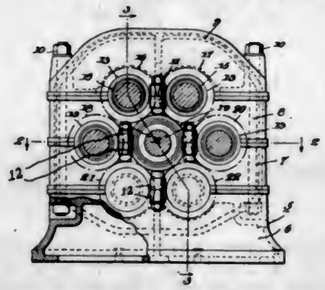
A brush of the kind described comprising a head having a recess opening through one side thereof, a gear housing fitting said recess and accessible through the open side of the same, a removable cover plate for said housing, a collar-like shield detachably joined with the head at the open side of the recess therein and having an annular internal shoulder, a circular bristle stock next to the removable cover and peripherally engaged with the said shoulder for rotatable trackage thereon, bristles carried by said stock and extending through and beyond the collar-like shield, a driving gear rotatably fitting within the housing and having a central stud axle separably coupled in the bristle stock and extending through the removable cover, a driven pinion within the housing and meshing with said gear, and means within the stud axle and active upon the housing to maintain tensioned meshing engagement between the gear and said pinion.

2,186,521
FURNACE IGNITION ARCH
Finley Cash, Mechanicville, N. Y.
Application March 21, 1938, Serial No. 197,257
1 Claim. (Cl. 110—99)



In a flat ignition arch, spaced channel beams arranged in pairs with their flanges turned toward each other, a row of tiles having T-shaped heads engaged over the lower flanges of each of said pair of beams, spaced cross bars bridging the upper flanges of each pair of beams and having notches receiving and accurately spacing apart said upper flanges, spacers engaged between each pair of beams disposed intermediate the upper flanges and the lower flanges thereof and provided with stop shoulders adapted to engage against the inner faces thereof, said spacers projecting through said pair of beams exteriorly of the beams and being provided with T-shaped heads, and inverted U-shaped wedges disposed astride the heads and bearing against the outer faces of said pair of beams.

2,186,522
PINION ASSEMBLY FOR USE WITH ROLLS OR THE LIKE
William L. Ditges, Alliance, Ohio, assignor to The Morgan Engineering Company, Alliance, Ohio
Application June 30, 1939, Serial No. 282,289
5 Claims. (Cl. 74—389)



1. In mechanism for driving the rolls of metal plate flattening machines or the like, a support, a main toothed pinion journalled in said support and provided at one end with a driven element and at the opposite end with a driving element, a first pair of pinions journalled in said support and having teeth meshing with the teeth of the main pinion, each pinion of said pair having a driving element at one end thereof, a second pair of toothed pinions journalled in the support, arranged at opposite sides of the main pinion and having driving elements at one end thereof, and a pair of idler pinions journalled in the support and having teeth meshing with the teeth of the main pinion and the teeth of the second pair of pinions, the pinions of the first pair and the idler pinions being spaced circumferentially around said main pinion to neutralize thrust.

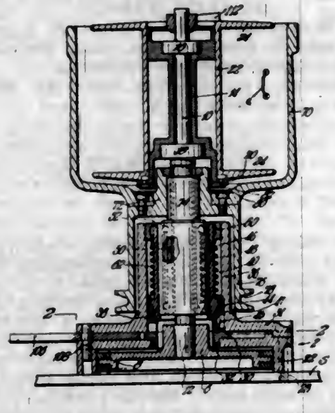
2,186,523
METAL CLEANING
Sidney R. Dodd, Caldwell, N. J., assignor to Oakite Products, Inc., a corporation of New York
No Drawing. Application December 1, 1937, Serial No. 177,654
10 Claims. (Cl. 204—7)

1. In a bright nickel process of chromium plating metal which comprises first plating the metal with nickel and then with chromium from a chromic acid solution, the step of cleaning the metal before plating with nickel by exposing the same to electrolytic action in an alkaline solution containing a chromate film inhibiting agent selected from the group consisting of compounds containing an aldehyde group and having not more than one hydrogen atom in alpha position to the aldehyde group and compounds capable of yielding such aldehyde compounds in alkaline solution.

2,186,524
PROCESS OF INCREASING THE CONCENTRATION OF OLEFINS IN A MIXTURE CONTAINING OLEFINS AND PARAFFINS
Frederick E. Frey, Maryan P. Matuszak, and Robert D. Snow, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application July 26, 1935, Serial No. 33,384
12 Claims. (Cl. 196—13)

6. A process of separating a mixture of hydrocarbons having substantially the same number of carbon atoms per molecule, said number being less than six, and including at least one paraffin hydrocarbon and at least one olefin hydrocarbon, into a paraffin part and an olefin part comprising adding to the said mixture a polar oxygen-containing compound capable of forming a minimum-boiling azeotropic mixture with each of said hydrocarbons in a quantity at least sufficient to form minimum-boiling azeotropic mixtures with all the paraffin hydrocarbons, and subjecting said mixture to fractional distillation with reflux to fractionally distill off substantially all of the paraffin hydrocarbons as an initial predominantly olefin-free minimum-boiling azeotropic mixture of the paraffins and the added compound.

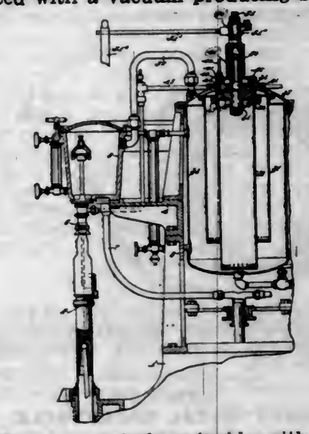
2,186,525
SPINDLE
Raymond E. Getchell, Holyoke, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts
Application January 15, 1937, Serial No. 120,749
Renewed May 25, 1939
7 Claims. (Cl. 57—59)



1. An apparatus of the class described comprising in combination, a base, a spindle extending upwardly therefrom, a cup inclosing the spindle rotatably mounted on the base independently of the spindle, means to facilitate tilting of the cup relative to the spindle, means to facilitate reciprocation of the cup relative to the spindle, brake means operable as the cup reciprocates in one direction, means to reciprocate the spindle, and a yielding mounting for said spindle whereby it may tilt relative to the cup.

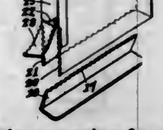
2,186,526
VALVE FOR BOTTLE FILLING MACHINES
Clement F. Greiner, London, England, assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application November 30, 1938, Serial No. 243,105
4 Claims. (Cl. 226—115)

1. The combination with a filling tank, of a plurality of filling tubes associated with said tank and supplied in a cycle, a pressure tank having a plurality of pressure chambers therein, a stator associated with said pressure tank having ports therein, one for each of said chambers, a rotor having ports therein, one for each of said filling tubes and adapted to coincide in seriatim, respectively, with the ports in said stator, and a second stator having a port therein connected with a vacuum producing source and



adapted to successively coincide with the ports of said rotor.

2,186,527
MAGAZINE FOR VENDING MACHINES
William A. Harris, Greenville, S. C., assignor, by direct and mesne assignments, to The South Carolina National Bank of Charleston, Greenville, S. C., as trustee
Application September 9, 1938, Serial No. 229,186
4 Claims. (Cl. 229—17)

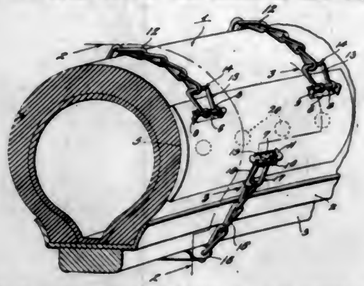


1. A removable magazine for vending machines comprising an elongated carton for cigars or cigarettes and provided with a removable closure at the bottom thereof, one wall of the carton adjacent the bottom having a removable section with a revenue stamp applied to a portion of the section so that when the section is removed not only will some of the articles housed within the carton be exposed to view but the revenue stamp will be mutilated.

2,186,528
ANTISKID UNIT FOR TIRES
Hugh H. Hurst, Sussex, N. J.
Application March 9, 1939, Serial No. 260,822
12 Claims. (Cl. 152—237)

1. A pneumatic tire antiskid device unit, comprising a plate body adapted to position against a side wall of a tire casing and to extend in a circumferential direction thereon, means for securing antiskid chain units to said body, comprising a pair of loop members disposed at one longitudinal edge of the body and extending lengthwise thereof, each of said loops being inclined away from the longitudinal center of the plate, each loop being set sufficiently close to the outer face of the plate to insure the tight contact

with the adjacent plate edge of a link of a chain attached to the loop when said chain is drawn from the loop across the tread of the tire, and



means at the opposite edge of the plate for attaching thereto a securing chain extending through the tire.

2,186,529

SHEET METAL RECEPTACLE

James R. Jones, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.

Application April 14, 1938, Serial No. 202,000
3 Claims. (Cl. 220—1)



1. A receptacle comprising plural, upright sheet metal side panels arranged with the side edges of adjacent panels separated by a space of substantial width, and upright corner strips of concavo-convex cross section bridging and closing the spaces between said side panels, said panels and corner strips having folded side edges which are interlocked to secure the panels and corner strips together, said corner strips forming broad rounded corners for the receptacle between adjacent side panels and having their lower end portions projecting below the bottom ends of the side panels and curved downwardly and inwardly away from the lower ends of the panels and forming depending continuous unbroken supporting legs and feet for the receptacle having convexed outer and bottom surfaces for supporting contact with the floor, and a bottom and rim for the receptacle attached to said side panels.

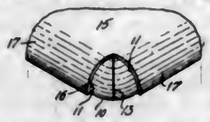
2,186,530

COVERED TOP FOR DESKS AND THE LIKE

James R. Jones, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.

Application November 26, 1938, Serial No. 242,525
2 Claims. (Cl. 311—106)

1. A linoleum covered top comprising a top core having vertically rounded edges disposed at an angle to each other and joined by a vertically and horizontally rounded corner, and a linoleum cover sheet covering the top surface and said rounded edges of the core, said cover sheet having a gap therein at the corner between said edges, which allows the edge portions of the cover sheet at opposite sides of the gap to be bent to



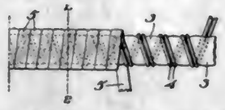
cover and lie smoothly against said rounded edges of the core, and said gap being filled by a body of plastic material which is applied and molded in a plastic condition in the gap to make a covering corner the surface of which is rounded vertically and horizontally and is flush with and similar in nature and appearance to the adjoining surface portions of the cover sheet.

2,186,531

ELASTIC FABRIC

Arthur B. Kendrick, East Orange, N. J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application April 23, 1938, Serial No. 203,754
2 Claims. (Cl. 28—1)



1. An elastic fabric comprising elastic strands arranged side by side, and co-operating binding threads retaining the elastic strands in pockets formed by and between adjacent binding threads, each elastic strand comprising a stretchable, elastic, rubber core and a covering surrounding the core, said covering comprising a tape wrapped spirally around the core and being formed of a plurality of interwoven fibrous threads, said core being stretched beyond the normal length thereof and being held in such stretched condition by said covering, whereby when a sewing thread stitch extends through the binding threads of the fabric and through the tape of a strand having a rubber core which is damaged in the region of the stitch, the stitch will prevent the core and its covering from being pulled from the region of the stitch longitudinally of the strand.

2,186,532

PLASTER MORTAR

Alfred Ladwig, Dusseldorf-Benrath, Germany, assignor, by mesne assignments, to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application September 2, 1936, Serial No. 99,095. In Germany September 14, 1935
5 Claims. (Cl. 106—24)

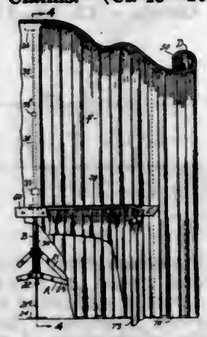
1. A composition suitable for the preparation of a plaster mortar comprising a hydraulic binder, a finely divided, solid anhydrous water glass and a substance selected from a group consisting of trass and blast furnace slag, said substance being the principal component of the composition, the water glass being present in amount sufficient to impart high elasticity and waterproof characteristics to plaster coatings made from the mortar.

2,186,533

CURTAIN SUPPORT

Morris Lange, Cleveland, Ohio, assignor to The Superior Funeral Supply Company, Cleveland, Ohio

Application September 23, 1938, Serial No. 231,384
4 Claims. (Cl. 45—106)



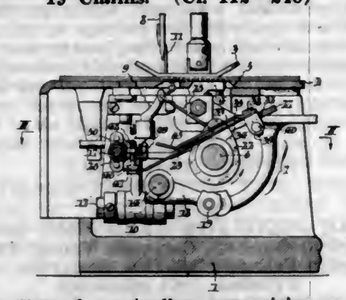
4. A draped background for funeral biers, including a vertical support having a central top member, curtains connected to and suspended from said top member, side members foldably connected to the ends of the central member and having substantially spirally curved outer end portions, curtains connected to and depending from the front and outer side portions of the curved portions, short curtains connected to the rear portions of the curved portions and depending therefrom whereby to impart a continuous curtained effect when viewed from the front and top portions of the curved portions, a horizontal member formed to receive lights for disposition in front of the curtains of the central and side members, means carried by the horizontal member and extending rearwardly through the curtains to support the horizontal member, means to adjustably connect the supporting means to the vertical support to enable the horizontal member to be disposed in varying vertical positions, a front curtain having upper parts disposed adjacent the upper portion of the horizontal member, and means to connect the last named curtain to the horizontal member, said means for connecting the horizontal member to the support being detachable whereby to enable the background to be used with the horizontal member and its curtain removed.

2,186,534

THREAD CONTROLLER

Harold J. Le Vesconte, Western Springs, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application December 29, 1936, Serial No. 118,033
19 Claims. (Cl. 112—248)



1. A thread controller comprising a rotary thread-engaging disk cam; transversely-aligned thread guides at opposite sides of the disk cam; a thread confining element consisting of a pair of superposed components with longitudinal slots through which the cam operates, said components being spaced to afford a longitudinal interval in a plane parallel to the cam axis for confining the portion of the thread measured or taken up by the cam between the guides; and means whereby the components of the confining element can be individually adjusted laterally of the cam and said components bodily adjusted toward and away from the axis of the cam to vary the amount of thread displaced by the cam during each rotation thereof.

2,186,535

PYRAMID-TYPE HATCH TENT

Thomas H. MacGeorge, Seattle, Wash., assignor to Seattle Tent & Awning Co., Seattle, Wash., a corporation of Washington

Application August 10, 1936, Serial No. 95,113
6 Claims. (Cl. 135—1)



1. In combination with a hatch tent of the pyramid type described having guys lying interiorly of the fabric and extending radially from the peak of the tent for re-inforcing the same, said tent being formed with a peak opening, an apical fitting allowing interconnection as between the inner ends of the respective guys and the elevating line by which the peak of the tent is raised, said fitting comprising a swiveled eye-bolt adapted to be attached to the elevating line, a vertical pintle extending through the peak opening of the tent and connected at its upper end to the eye-bolt, and guy-attaching means comprising a ring member suspended from the lower end of the pintle to lie in a horizontal plane within the tent, the interconnection as between said pintle and the ring member comprising an eye formed on the lower end of the pintle and diametrically extending spokes integral with the ring member passing through said pintle eye, said spokes lying at right angles to one another to provide separated guy-engaging fellies about the perimeter of the ring member.

2,186,536

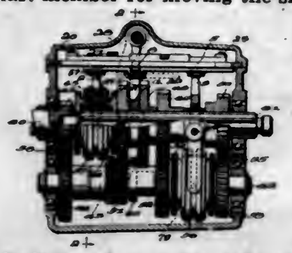
SHIFT MECHANISM FOR MOTOR VEHICLE TRANSMISSIONS

Albert Maier, Friedrichshafen, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen Bodensee, Germany

Application May 16, 1936, Serial No. 80,200
In Germany June 26, 1935
2 Claims. (Cl. 74—334)

1. Shift mechanism for gear systems comprising a plurality of gear shifting slides arranged side by side, a frame, a hollow shaft member supported above the slides by bearings on the frame and extending crosswise of the slides, said member being slidable lengthwise in the frame bearings in a fixed uni-directional path and also being rotatably in its bearings, and a depending actuating arm on said shaft adapted to be brought selectively into engagement with the individual slides under movement of the shaft member in

its longitudinal path, said actuating arm upon rotation of the shaft member in one direction being operable to shift each of the slides in a common direction and being operative upon reverse rotation of the shaft member to shift each of the slides in the other direction, spring means in said hollow shaft member for moving the shaft mem-



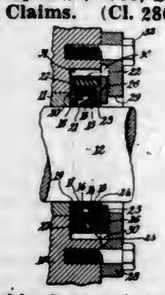
ber lengthwise, and a speed selective control member adapted to be set to different positions to adjustably compress the spring means, the spring means upon expanding from its compressed condition serving to move the shaft to different slide engaging positions of the actuating arm in dependency on the amount of compression produced by the control member.

2,186,537

FLOATING SEAL ASSEMBLY

Maxwell E. Salisbury, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York

Application April 27, 1938, Serial No. 204,634
3 Claims. (Cl. 286—30)



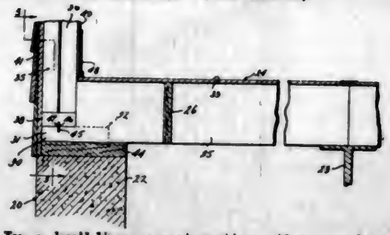
1. An assembly for sealing the annular space between a machine element and a relatively rotatable shaft passing through an opening in the element, comprising: an annular cage having its central bore adapted to make running fit with the shaft, a rear plane face adapted to engage an opposing plane surface of the machine element in sliding but leak-tight contact, and a cylindrical recess in its front face concentric with its bore; a unitary sealing element of cylindrical proportions disposed within the recess of the cage with its outer surfaces making leak-tight contact with the adjacent surfaces of the cage and having a flexible sealing lip adapted to make wiping contact with the machine shaft; a cover element adapted to be positioned over the cage and to be affixed to the machine element, said cover having a centrally located opening of such dimensions as to receive the shaft and to permit radial movement of the shaft without engaging the cover, means between the cover and cage permitting radial movement of the latter while preventing rotation thereof; and a plurality of resilient elements located between and reacting against said cover and cage to press the plane rear surface of the cage into leak-tight contact with an adjacent plane surface of the machine element.

2,186,538

BUILDING CONSTRUCTION

Games Slayter and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio, a corporation of Ohio

Application May 17, 1937, Serial No. 143,203
4 Claims. (Cl. 20—1)



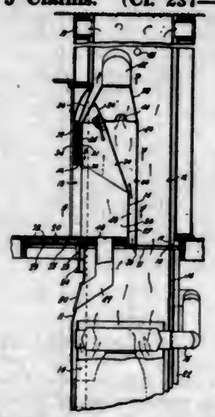
1. In a building construction, the combination with a supporting means, of a preformed floor section having a portion supported by said means, said section having joists with projections extending from the lower edges of the joists and engageable with the supporting means, filler blocks between the projections forming continuations of the latter transversely of the joist, and a preformed wall section seated on the filler blocks below the top surfaces of the joists.

2,186,539

HEATING SYSTEM

Games Slayter and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio, a corporation of Ohio

Application July 19, 1937, Serial No. 154,496
5 Claims. (Cl. 237—51)



5. In a heating system for a house having a plurality of rooms, a furnace, a plenum chamber above the furnace for the passage of hot air to the rooms, an open hearth fireplace located above said furnace having back and side heat radiating wall portions acting as the front wall portions of said plenum chamber where the latter contacts said fireplace, whereby substantially all of the air heated by said furnace passes about said fireplace wall portions.

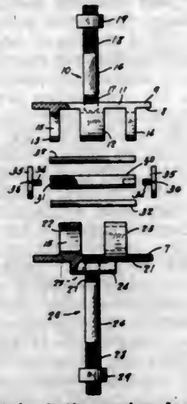
2,186,540

ANKLE JOINT FOR ARTIFICIAL LIMBS

Arthur Boulton, Gwynedd Valley, Pa.

Application February 26, 1938, Serial No. 192,714
4 Claims. (Cl. 287—100)

1. An ankle joint for artificial limbs comprising a pair of joint members, one being adapted to be anchored to the shin section of an artificial limb, while the other is adapted to be anchored to the foot piece of the artificial limb, interfitting lugs carried by said joint members and formed with aligned openings, a pivot pin extending through said aligned openings, said pivot pin



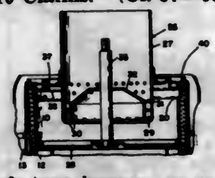
having a diametrical dimension less than the diameter of said aligned openings to provide a space about the pivot pin, roller bearing elements in said space, said roller bearing elements and pivot pin being substantially co-extensive with said lugs, and means maintaining the pivot pin and roller bearing elements assembled in said aligned openings.

2,186,541

WICK TYPE OIL BURNER CONSTRUCTION

Carroll M. Breed, Ypsilanti, Mich., assignor to United Stove Company, Ypsilanti, Mich., a corporation of Michigan

Application April 3, 1939, Serial No. 265,811
10 Claims. (Cl. 67—68)



3. In a wick type burner, an annular wick, a flame spreader attachable to the burner in either of two positions, one position being inverted with respect to the other, an annular flange on said flame spreader effective in the said other position to direct air laterally outwardly toward the wick and effective in the inverted position of the flame spreader to seat on the adjacent end of the wick, serrations extending radially of the flange in circumferential spaced relationship, and means supporting the flame spreader in the inverted position thereof for rotation relative to the burner.

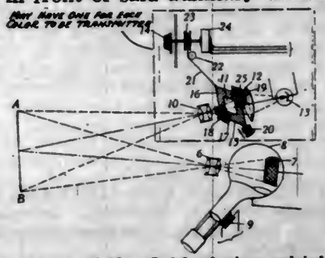
2,186,542

TELEVISION SYSTEM

Paul François Marie Gloess, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.

Application August 12, 1937, Serial No. 158,662
In France September 17, 1936
2 Claims. (Cl. 178—5.2)

1. A television transmitting system comprising an electronic scanning photo-electric device for scanning an image of a field of view, an auxiliary photo-electric device responsive to the average light value of said field of view, an adjustable window in front of said auxiliary device for de-



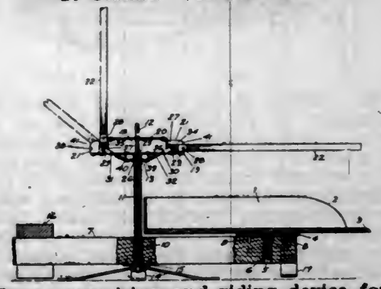
fining the area of the field of view which is projected upon said auxiliary device, and means for simultaneously adjusting the aperture area of said window and the amplitude of sweep of the cathode ray of said photo-electric device first mentioned.

2,186,543

EXERCISING DEVICE FOR INFANTS

Earle Gray Henry, Chicago, Ill.

Application October 5, 1938, Serial No. 233,459
10 Claims. (Cl. 272—33)



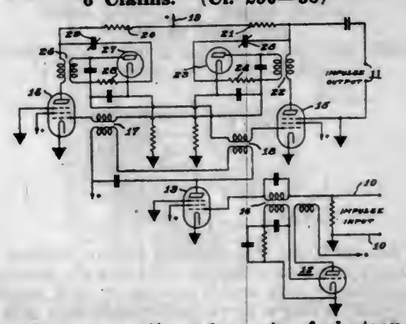
1. In an exercising and riding device for infants, the combination of a receptacle adapted for holding an infant in an upward facing and approximately horizontal position and a series of stationary treads, said receptacle being easily propellable along a definite circuitous path and said treads being distributed along and above said path.

2,186,544

FREQUENCY CHANGER

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 23, 1937, Serial No. 138,553
6 Claims. (Cl. 250—36)



1. The combination of a pair of electron dis-

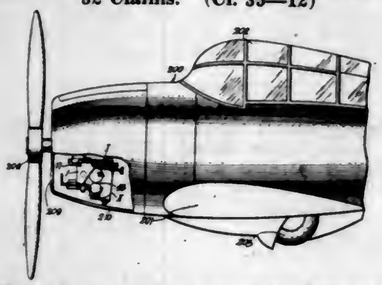
charge devices each provided with input and output circuits, means connecting each input circuit to the other output circuit whereby oscillation takes place, means for applying a radio frequency control potential to said input circuits, and means including a rectifier connected between one of said output circuits and the other of said input circuits for applying to said input circuit a unidirectional potential which is dependent on the radio frequency current of said output circuit, whereby said oscillation is prevented so long as said control potential is applied.

2,186,545

SCHOOLING DEVICE FOR AIRPLANE PILOTS

Heinz Kuppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application January 28, 1938, Serial No. 187,535
32 Claims. (Cl. 35—12)



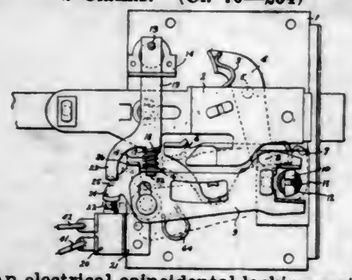
1. In a device of the character described, the combination of an instrument unit, an aerial camera, sighting elements on the instrument unit selectively adjustable by the operator to sight a selected target, level elements on the instrument unit variable in accordance with the flight conditions, a plurality of means for indicating to the operator the positions of said elements, replicas of said indicating means, nonaccessible to the operator and means for projecting pictures of said replicas into the aerial camera, whereby the latter is adapted to photograph simultaneously the ground areas over which the airplane flies and the relative positions of said elements.

2,186,546

TELLTALE DEVICE FOR AN ELECTRICAL COINCIDENTAL DOOR LOCKING SYSTEM

John W. Lakin, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application October 25, 1937, Serial No. 170,797
2 Claims. (Cl. 70—264)



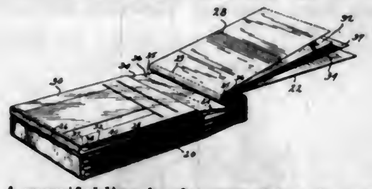
1. An electrical coincidental locking system for the doors of an automotive vehicle body comprising a primary lock and a secondary lock, each of said locks having a retractable latch bolt and an outside retractor for said latch bolt, said secondary lock having means actuatable to render its retractor ineffective to retract its bolt, and said primary lock having a shiftable connector between said retractor and said latch bolt and which connector is shiftable by said retractor when set as well as released, said connector when set adapted to connect the outside retractor to the latch bolt and thereby render the retractor effective to retract the latch bolt, said connector when released from the latch bolt rendering the outside retractor ineffective to retraot the bolt, a source of electric current, an electrically operated telltale means for indicating when all said retractors are ineffective to retract said bolts, a switch for each secondary lock, said secondary lock switches in series circuit with each other and said telltale means, electromagnets for controlling said means on said secondary locks to render each of said secondary lock retractors ineffective to retract its respective bolt and for controlling said telltale switches, said electromagnets being in circuit with said source of electrical current, a switch for controlling the flow of current through the said circuit between the electromagnets and the source of electricity, said switch adapted to be actuated by the connector of said primary lock only when released and when the outside retractor shifts the said released connector whereby the telltale switches are closed and the telltale circuit completed only when current flows through said electromagnetic circuit and the electromagnets function to control said means to render said retractors ineffective to retract the bolts.

2,186,547

TRIPLICATE MANIFOLDING BOOK

Albert R. Lawson, Hamilton, Ontario, Canada, assignor to Appleford Paper Products, Ltd., Hamilton, Ontario, Canada

Application May 17, 1937, Serial No. 143,048
8 Claims. (Cl. 282—9)



1. A manifolding book comprising, in combination, a cover, a plurality of manifolding sets secured within the cover, each set including three record leaves, each set including two detachably connected clean surfaced record leaves detachably connected as a set within the cover, and a one time carbon leaf arranged between said record leaves, said carbon leaf being secured to one of the record leaves for detachment from the cover with the set and being detachable from the set without detachment of the other record leaves constituting the set and a heavy duty carbon leaf hingedly secured to a longitudinal margin of the cover and swingable successively into each manifolding set to overlie one of the leaves thereof and to transfer a record written on one of the record leaves of the set onto another record leaf of the set.

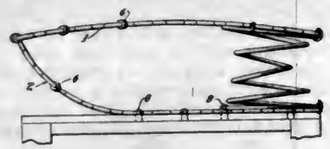
2,186,548

SPRING ASSEMBLY FOR UPHOLSTERY

Rudolph W. Lotz, Chicago, Ill., assignor to Nachman-Springfilled Corporation, Chicago, Ill., a corporation of Illinois

Application June 18, 1936, Serial No. 85,899
5 Claims. (Cl. 155—179)

1. A spring assembly composed of a plurality of spaced apart resilient approximately V-shaped metal members, and springs connected with and coupling the divergent arms of said strips, said springs being of appreciably less length than the



normal width of space between divergent portions of said arms with which they are connected thereby yieldingly maintaining said arms flexed to decrease the normal divergence thereof.

2,186,549

PROCESS FOR PRESERVING FRUIT PEELS AND RINDS

William C. Luban, Tampa, Fla.

No Drawing. Application March 7, 1938, Serial No. 194,445
3 Claims. (Cl. 99—156)

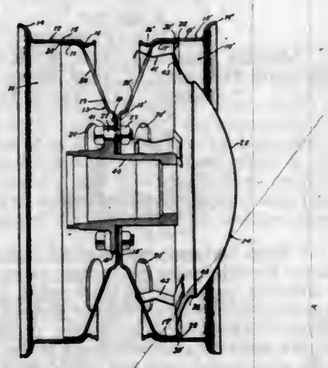
1. The process of preparing the rind of citrus fruits for candying which comprises removing the rind from the fruit, dividing the rind into pieces, placing the pieces in a container with sufficient sulphur dioxide and for a sufficient period of time to cause hardening of the rind, and then candying the pieces.

2,186,550

ORNAMENTAL ACCESSORY FOR WHEELS

George Albert Lyon, Allenhurst, N. J.

Application November 5, 1936, Serial No. 109,252
1 Claim. (Cl. 301—37)



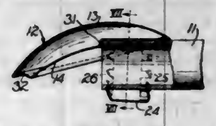
In combination, a wheel comprising a disc with a cylindrical flange and a rim having a cylindrical base fitting on said flange and a channel portion on the other side of said disc from said flange for receiving a removable tire retaining flange and having an inside diameter slightly smaller than the outside diameter of said cylindrical flange, the edge of said cylindrical flange and the outside of said channel portion forming annular abutments facing outward towards opposite sides of the wheel, and a round ornamental member having a diameter greater than said inside diameter of the channel portion and not greater than said outside diameter of said cylindrical flange and having means for holding it on one side of said wheel with the edge thereof against one of said abutments.

2,186,551

EXHAUST PIPE EXTENSION

George Albert Lyon, Allenhurst, N. J.

Application October 25, 1937, Serial No. 170,785
2 Claims. (Cl. 138—25)



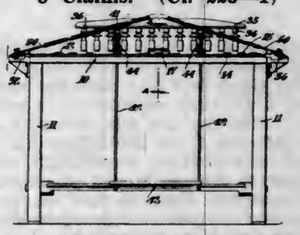
2. As an article of manufacture, an exhaust pipe accessory comprising a plate adapted to fit against one side of an exhaust pipe, and a band secured at both ends to said plate so as to extend around on the other side of said exhaust pipe, said band being formed of sheet metal and having teeth extending obliquely inward from at least one of its edges to make a biting engagement with said exhaust pipe.

2,186,552

TIE FABRICATION APPARATUS

Morris S. Malek, Ridgefield, N. J.

Application March 14, 1938, Serial No. 195,863
8 Claims. (Cl. 223—1)



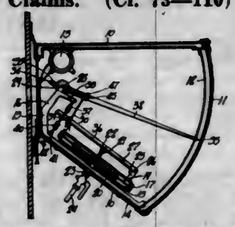
1. In a machine for making ties that include an inner lining material and an outer material, a stationary table upon which the said material may be placed, the table containing a movable plate so positioned as to underlie a portion of the outer material whereby upon a manipulation of the plate the outer material will be folded, a plurality of spaced elements extending along a portion of the stationary table for gauging the positioning of the inner lining, a plurality of spaced elements extending along a portion of said movable plate for gauging the positioning of the outer material so that the two materials are in overlapping relation, and stapling means positioned between the two sets of gauging elements for fastening together the folded outer material to the lining material.

2,186,553

CALIBRATION ADJUSTING MEANS

Hans Linde and Arnold Soller, Michigan City, Ind.

Application October 12, 1936, Serial No. 105,279
4 Claims. (Cl. 73—110)



2. The combination with an instrument having a pivoted indicator and actuating means

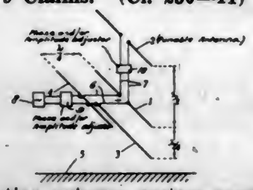
therefor including a shiftable member and a link pivoted to said shiftable member and connected to said indicator, of means for adjusting the normal position of said indicator and actuating member and including a pair of tension springs acting on said member in opposed relation and means for varying the tension of said springs, and means for shifting the point of connection of said link and indicator to adjust the position of said indicator relative to said member.

2,186,554

ALTITUDE GUIDING SYSTEM FOR AIRPLANES

Georges Edme Marcel Perroux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.

Application May 27, 1938, Serial No. 210,346
In France June 11, 1937
9 Claims. (Cl. 250—11)



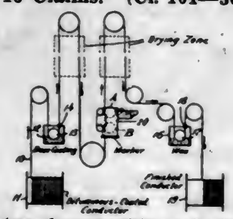
1. A directive antenna system comprising two antenna elements arranged one above the other in a vertical plane and at a distance apart equal to one-half a working wavelength, a reflector in the plane containing the two antenna elements and at a distance from the lower one equal to one-quarter of a working wavelength, and a second reflector in the horizontal plane containing the lower antenna element and at a distance from the lower antenna element equal to one-quarter of the working wavelength.

2,186,555

MEANS FOR MARKING ELECTRICAL CONDUCTORS

George E. Phillips, Leetsdale, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware

Application May 3, 1937, Serial No. 140,340
16 Claims. (Cl. 101—36)



1. Apparatus for marking electrical conductors comprising a driving roll and co-operating press roll adapted to receive the conductor between them, in combination with a marking roll and co-operating press roll adapted to receive the conductor between them after passing the drive roll, and means by which the marking roll is driven from the drive roll, said press rolls being driven solely by frictional engagement with the conductor.

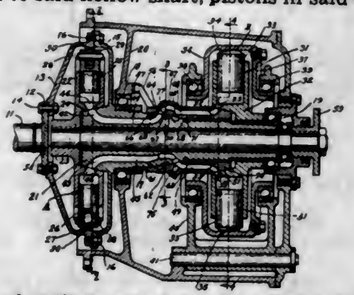
2,186,556

TORQUE CONVERTER

Azor D. Robbins, Highland Park, N. J.

Application March 25, 1936, Serial No. 70,899
4 Claims. (Cl. 60—53)

1. A power transmitting device comprising, in combination, a housing, a rotatable hollow shaft journaled in said housing, an internal cam track rotatably connected to said shaft, a series of radial cylinders united on a hub and in the plane of said track, a driven shaft rotatably mounted in said hollow shaft, said hub being keyed to said driven shaft, a ported projection on said hollow shaft extending within said hub, said cylinders having openings adapted to communicate with the ports in said projection, a second series of cylinders united on a hub and rotatively connected to said hollow shaft, pistons in said second



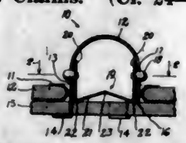
series of cylinders, a laterally adjustable track movably mounted in said housing and engaging said second series of pistons, a nonrotatable sleeve supported by said hollow shaft and having a ported projection extending within said second series of cylinders, said second series of cylinders having openings adapted to communicate with the ports of said sleeve, said sleeve and said hollow shaft having passages adapted to convey fluid from one series of cylinders to the other and a running joint between said sleeve and said shaft having recesses to convey fluid from said shaft to said sleeve.

2,186,557

SNAP FASTENER

Nathan Rosovsky, New York, N. Y.

Application February 23, 1939, Serial No. 257,867
2 Claims. (Cl. 24—211)



1. A snap fastener member including a tubular member having holes extending along a diameter, tits slidably mounted in said holes, and a spring of generally U-shape in said member extending lengthwise thereof, said spring having the free end portions of its arms affixed to the tits to outwardly resiliently urge the same, said spring having a bight portion having approximately right angle bend connections with the arms and having a generally central obtuse angle bend toward the free ends of the arms, and the length of the bight portion being approximately equal to the internal diameter of the tube.

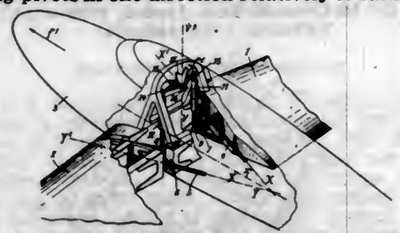
2,186,558

AIRCRAFT

Roger Léger Marie Fernand Rouanet and François Victor André Joseph Rey, Paris, France

Application May 18, 1938, Serial No. 208,596
In France May 24, 1937
13 Claims. (Cl. 244—38)

6. In a flying machine, the combination with a central body, of two supporting wings each of which is pivotally connected to said central body for pivoting about an axis which is oblique to the longitudinal plane of symmetry of said central body, and connecting means for operatively connecting together said two wings so that when one wing pivots in one direction relatively to said cen-



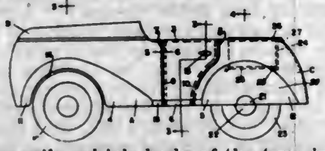
tral body, the other wing is caused to pivot in the opposite direction relatively to said central body, said connecting means including a swingle bar pivoted to said central body and elastic connections between each end of said swingle bar and a point of one of said wings, respectively.

2,186,559

JUVENILE VEHICLE BODY

Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio

Original application March 15, 1937, Serial No. 131,101. Divided and this application July 31, 1937, Serial No. 156,789
12 Claims. (Cl. 280—87.01)



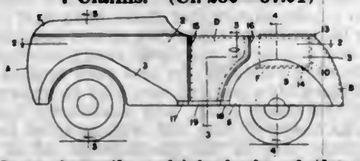
2. A juvenile vehicle body of the type in which a child rides having upright pressed metal side panels and a rear deck, the metal of the side panels being provided at their upper edges with inturned flanges, a horizontal seat stamping between and free of said side panels, and supporting upright stampings substantially parallel to said upright side panels and having flanges underlying and secured to said seat stamping and overlying and secured to the inturned flanges aforesaid.

2,186,560

JUVENILE VEHICLE BODY

Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio

Original application July 31, 1937, Serial No. 156,789, which is a division of application Serial No. 131,101, March 15, 1937, now Patent No. 2,145,896, dated February 7, 1939. Divided and this application February 21, 1938, Serial No. 191,748
7 Claims. (Cl. 280—87.01)



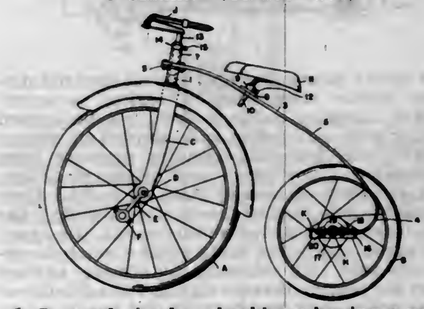
1. In a juvenile vehicle body of the type in which a child rides, a stamping substantially U-shape in plan forming the front end of the body, a second stamping substantially U-shaped in plan forming the rear end of the body, and substantially flat stampings simulating doors overlapping and rigid with the adjacent sides of said front and rear end stampings, the sides of said front and rear end stampings being provided at their adjacent edges with offset strip-like embossed portions forming frame-like abutments for the contiguous edges of the flat stampings.

2,186,561

VELOCIPEDE STRUCTURE

Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio

Original application March 22, 1937, Serial No. 132,415. Divided and this application March 28, 1938, Serial No. 198,510
3 Claims. (Cl. 280—282)



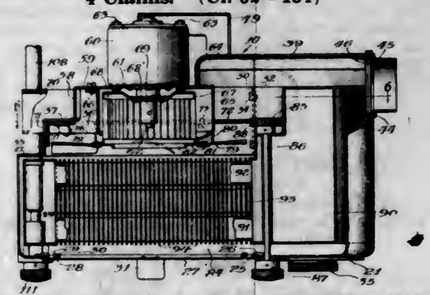
1. In a velocipede, a backbone having a pair of laterally spaced bars, a front fork having an upright shank between said bars intermediate the ends thereof, a sleeve for said shank also between said bars, said sleeve being free of said bars, and a supporting plate for the sleeve sleeved upon and rigid with said sleeve and spanning the space between and rigidly secured to said bars.

2,186,562

AIR CONDITIONER

Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware

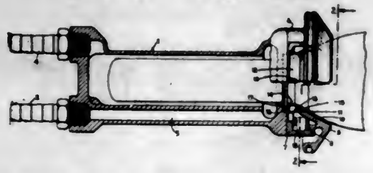
Application December 31, 1937, Serial No. 182,781
4 Claims. (Cl. 62—134)



1. A heat exchange device for automobiles, comprising in combination two headers in horizontally spaced relation to each other, a series of tubular connecting members from one header to the other in mutually spaced relation to each other, adapted with said headers to hold a supply of liquid and arranged at different levels so as to encourage the circulation of the liquid from one header to the other, means for holding a supply of refrigerant in effective position with

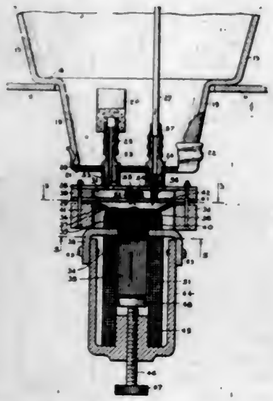
respect to one of said headers for a ready transfer of heat from the liquid thereto, and means for forcing air through the spaces between said tubular connecting members.

2,186,563
ELECTRON DISCHARGE TUBE WATER JACKET
Clinton H. Suydam, Verona, N. J., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California
Application December 31, 1937, Serial No. 182,647
4 Claims. (Cl. 250—27.5)



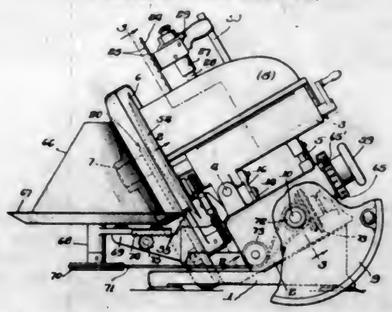
1. A water jacket assembly for an electron discharge device comprising a casing, a screw threaded clamping collar, a split ring positioned coaxially with said collar and adapted to engage therewith and transmit clamping pressure from said collar to a portion of said discharge device, and a plurality of spaced posts extending from said casing and having means for engaging the screw threads of said clamping collar, the spacing between said posts being great enough to expose said split ring substantially entirely to view so that the seating thereof during the adjustment of said collar may be observed and ready access may be had directly to said ring.

2,186,564
ACTIVATED DISPLAY DEVICE
George Thiberg, New York, N. Y., assignor of one-half to David Miller, New York, N. Y.
Application May 9, 1939, Serial No. 272,545
13 Claims. (Cl. 40—126)



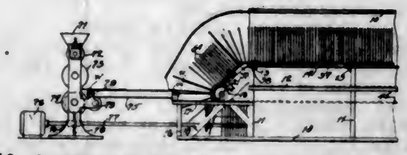
1. A display device comprising an inverted transparent container for fluids, inlet and outlet means at the base of said container, a porous block within said container at said inlet, a tube having an opening at the top and leading to the top of said container and connected to said outlet, gas circulating means for forcing said gas into said inlet and for recirculating said gas to produce a bubbling of the fluid within said container.

2,186,565
SLICING MACHINE
Wilhelmus Adrianus van Berkel, Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application March 26, 1936, Serial No. 71,033
In Great Britain April 5, 1935
7 Claims. (Cl. 146—94)



1. A slicing machine comprising an inclined substance supporting carriage, a slicing knife inclined to the horizontal adjacent the carriage and substantially perpendicular to the inclined plane of the carriage, a slice receiving element having a surface inclined at an angle substantially equal to the angle of inclination of said knife, said slice receiving element being adjacent said knife and being angularly shiftable about an axis transverse to the axis of the slicing knife and movable toward and from the cutting plane of said knife, means for moving the substance supporting carriage relative to the slicing knife, means operable in timed relation to the movement of the carriage for shifting said slice receiving element about its axis transverse to the axis of the knife to receive and properly stack thereon slices cut by said knife, and means for causing the slice receiving element to move under the action of gravity away from the cutting plane of the knife as the slices accumulate thereon.

2,186,566
CONVEYER STRUCTURE FOR OVENS
Edward A. Albright, Berwyn, Ill., assignor to Caspers Tin Plate Company, Chicago, Ill., a corporation of Illinois
Application December 9, 1937, Serial No. 178,855
11 Claims. (Cl. 198—134)



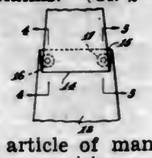
10. A conveyer structure comprising a pair of spaced parallel looped chains, the links of said chains having ears extending inwardly therefrom, transverse rib members having end tab portions mounted on the ears of the chain links and intermediate tab portions extending in the same direction as the end tabs, conveyer racks having end legs extending through the end tabs and ears to join the rib with a pair of ears and to secure the racks to the chain links, and additional legs on said racks between the end legs secured to the intermediate tabs of the rib member, all of said tabs adapted to thrust against the legs of a preceding rack and form a work support between the racks.

2,186,567
RAILWAY CAR FLOOR
De Witt R. Arnold, Evanston, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application June 1, 1937, Serial No. 145,886
4 Claims. (Cl. 105—422)



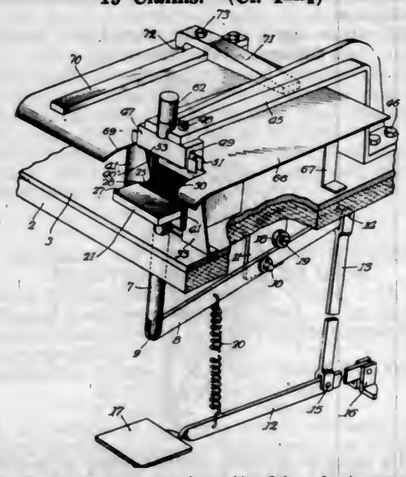
1. A car flooring comprising a wooden underfloor, a metallic sheathing covering the upper face of said wooden floor provided with a plurality of apertures of sufficient size for convenient insertion of laden securing means, thereby leaving open areas into which certain types of laden may enter to the injury thereof when dragged over the floor, and a penetrable plastic material filling the apertures in said sheathing.

2,186,568
FOUR-IN-HAND NECKTIE
George F. Bache, Montgomery, N. Y.
Application May 24, 1939, Serial No. 275,439
3 Claims. (Cl. 2—150)



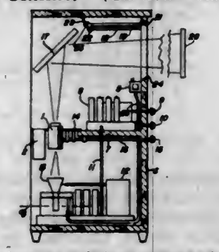
1. As a new article of manufacture, a four-in-hand necktie comprising a neckband portion, a front and a rear tab associated therewith, the front tab having a transverse fold secured thereto adjacent the neckband portion, fastener members carried on the rear side of the fold and being adapted to be detachably connected together to join the lateral edges of the front tab adjacent the lateral edges of the fold, whereby after the front tab is looped over the rear tab, the joining of the said lateral edges serves to simulate a knot in which the rear tab is adjustable.

2,186,569
APPARATUS FOR ATTACHING FASTENERS
Elmer W. Bacon, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application October 29, 1937, Serial No. 171,605
15 Claims. (Cl. 1—4)



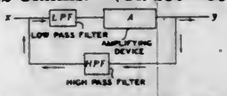
1. In an apparatus for attaching fasteners provided with sheet retaining prongs and attaching tines to file folders, means for projecting said prongs and tines through a file folder, and means for bending said prongs and tines against the folder, said last mentioned means comprising a stationary head and a pair of anvils movably mounted in said stationary head.

2,186,570
TELEVISION REPRODUCER
John C. Batchelor, Hastings on Hudson, N. Y.
Application August 13, 1937, Serial No. 158,867
9 Claims. (Cl. 178—7.5)



3. In television receiving apparatus, an image-reproducer of the projection type, means for adapting said apparatus selectively for projection of the image such that it may be viewed in a direction either toward or away from said apparatus, and means for inverting the lateral aspect of the projected image and actuated by said first-named means upon operation of the latter for the purpose set forth.

2,186,571
TUNED ELECTRIC CIRCUITS
Evelyn Stewart Lansdowne Beale, Chelsea, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application July 1, 1938, Serial No. 216,919
In Great Britain July 27, 1937
12 Claims. (Cl. 250—36)



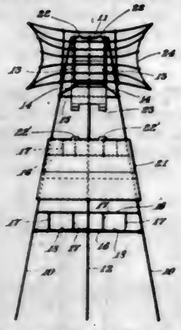
1. A low frequency responsive device comprising an amplifying device having an amplifier circuit, a feedback path from the output of said amplifying device to the input circuit thereof, and a fundamental circuit for said amplifying device containing only resistance and capacity elements so arranged as to form a high pass section and a low pass section, one of said sections being in the feedback path, and the other of said sections being in said amplifier circuit.

2,186,572
KNIT FABRIC AND GARMENT CONSTRUCTION
Hans Boepple, Valley Cottage, N. Y.
Application March 16, 1939, Serial No. 262,170
2 Claims. (Cl. 66—169)



1. A knitted fabric web made from woven, non-elastic ribbons in which the stitches are spaced apart and consist of relatively loose knots interconnected by lengths of unknitted ribbon whereby said knots will become tightened when the web is subjected to tension and will resume their original condition upon the release of the tension.

2,186,573
ADJUSTABLE EASEL
Frank C. Braun, New York, N. Y.
Application April 22, 1937, Serial No. 138,378
3 Claims. (Cl. 47—41)



1. An easel comprising a horizontal cross member at the extreme top, and front legs swingable at the ends thereof and a back leg swingable at an intermediate point thereof, in combination with an adjustable frame on said easel, said frame being formed solely of one U-shaped member having its sides hinged on the cross member near its ends and side braces hingedly secured to the horizontal connecting portion of the U-shaped member near its ends, the other ends of the side braces being slidably-looped over the front legs of the easel and adapted to fold therein to collapse the frame and also to slide downwardly to support it in operating position.

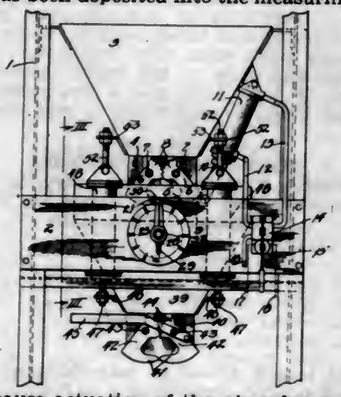
2,186,574
BUCKLE
Malkon Chadirjian and Oscar Chadirjian, Corona, N. Y.
Application June 5, 1937, Serial No. 146,566
3 Claims. (Cl. 24—163)



2. A buckle, comprising a continuous strip of material of frame form, the ends of said strip lying closely adjacent each other, a continuous tube of fabric snugly fitting said frame, the ends of said tube of fabric being brought together adjacent the ends of said strip forming said frame, and an attachable chape having means penetrating said fabric tube and engageable with said frame ends for securing said ends of said strip forming said frame together and for holding said fabric tube in place.

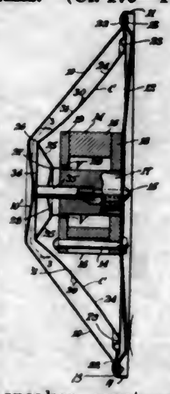
2,186,575
AUTOMATIC BATCH WEIGHING MACHINE
Alfred C. Christensen, Chicago, Ill., assignor to Herbert S. Simpson, Chicago, Ill.
Application March 5, 1938, Serial No. 194,105
7 Claims. (Cl. 249—14)

1. In an automatic batch weighing machine, a framework, a material storage bin rigidly supported thereon, a measuring hopper movably positioned beneath the storage bin, resilient supports for the measuring hopper, closure means for the storage bin, an air operated mechanism for actuating the bin closure means, an air valve unit for governing the operation of the air actuated mechanism, a graduated dial mounted on the framework, an indicator associated with said dial and arranged to be set in a predetermined position on said dial to indicate the weight of the batch of material to be automatically discharged from the storage bin into the measuring hopper to cause movement thereof and movement of the indicator over the dial, a limit switch device supported on the framework and connected with the air valve unit and positioned to be actuated by the indicator when the desired amount of material has been deposited into the measuring hop-



per to cause actuation of the air valve unit and reversal of the operation of the air actuated mechanism to cause automatic closing of the bin closure means, and closure means for the measuring hopper releasable to cause discharge of the measured batch of the material from the measuring hopper permitting the resilient supports to return the measuring hopper to normal position to automatically reset the indicator to cause operation of the air valve unit and a reverse operation of the air control mechanism to again open the bin closure means for the automatic measuring of another batch of the material.

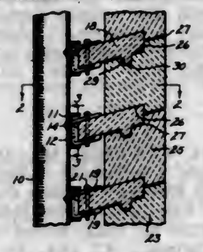
2,186,576
REPRODUCER
Lionel B. Cornwell, Teaneck, N. J., assignor to Cinaudagraph Corporation, a corporation of Delaware
Application April 17, 1936, Serial No. 74,933
2 Claims. (Cl. 179—115.5)



1. In a loud speaker construction the combination with a frame member having an annu-

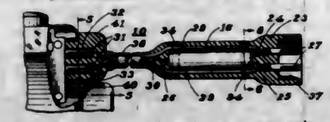
lar periphery, of a cooperating bridge member extending across from one side to the other of said periphery, axial means connecting said bridge to said frame at the center, a magnet unit supported by said bridge and a diaphragm connected to the frame periphery and carrying a voice coil cooperating with said magnet unit, said diaphragm being apertured to fit said axial means.

2,186,577
FURNACE WALL STRUCTURE
George W. Davey, Worcester, Mass.
Application December 8, 1937, Serial No. 178,762
8 Claims. (Cl. 72—101)



7. A bearing tile for a furnace wall structure comprising a block of refractory material substantially diamond shape in cross-section and having provision near its outer edge for securing it to a supporting framework, and a rib on the lower surface of the block near its inner edge.

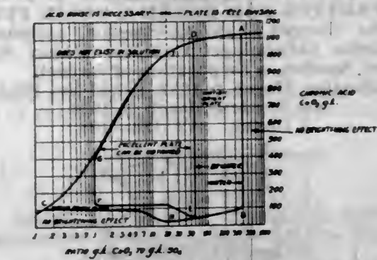
2,186,578
ELECTRIC CORD SET
Ferman C. Doughman, Stamford, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 2, 1937, Serial No. 177,740
3 Claims. (Cl. 178—44)



1. In an electric cord set, a connector having a plurality of electric terminals, a condenser relatively long in comparison to its width connected to said terminals and located in juxtaposition to said connector, a plurality of substantially rigid spacers surrounding and spaced apart longitudinally along said condenser, and a unitary covering of flexible insulating material surrounding said connector and said condenser, said rigid spacers acting to protect said condenser from injury by the operator of an appliance with which the said cord set may be associated.

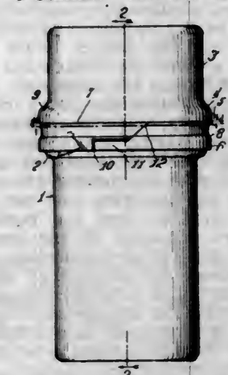
2,186,579
METHOD OF BRIGHTENING METALS ELECTRONEGATIVE TO IRON
George Dubpernell, Waterbury, Conn., and Karl Gustaf Soderberg, Detroit, Mich., assignors, by mesne assignments, to The Udylite Corporation, a corporation of Delaware
Application October 26, 1936, Serial No. 107,604
In France June 28, 1933
7 Claims. (Cl. 148—8)

1. A method of treating metals electronegative to iron and belonging to the second sub-group of the second group of the periodic system to produce a high lustre comprising immersing the metal in a solution of chromic acid and a catalyst in the form of a sulphate radical and maintaining the ratio in grams per liter of chromic acid to sulphate radical below a critical ratio of about 20, or maintaining an equivalent ratio in grams per liter of chromic acid to an acid radical or



radicals equivalent to the sulphate radical below an equivalent critical ratio to permit formation of a discoloring film on said surface, then subjecting the said metal and film to the action of a solution of any acid having a pH value of 2.68 or less.

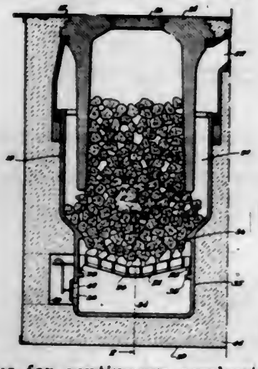
2,186,580
SEALED RECEPTACLE
Edward H. Fabrice, Chicago, Ill.
Application June 22, 1938, Serial No. 215,185
6 Claims. (Cl. 220—54)



1. A receptacle equipped with a uniformly smooth, peripheral surface portion parallel with its axis, a flanged cover equipped in its flange with an inwardly offset peripheral formation conforming to the cross-sectional shape of said smooth surface and of slightly smaller lateral dimensions than the latter, a shear-cut extending partially through the metal of said cover peripherally of said flange in a plane perpendicular to the receptacle axis and bordering the upper edge of said formation, the terminal end portion of said flange being of substantially the same inner lateral dimensions as the outer lateral dimensions of said receptacle surface portion and adapted to receive the latter snugly telescopically and offset outwardly from the lower end of said formation of said cap a distance substantially equal to the depth of said shear cut, a digitally engageable tongue severed peripherally out of said terminal end portion of said cover flange and free from the latter along three edges with its lower edge flush with the lower edge of said flange, and a scoring groove connecting the said tongue with said shear-cut, said formation of said flange adapted to be forced over said surface portion of the receptacle and expanded thereby, the

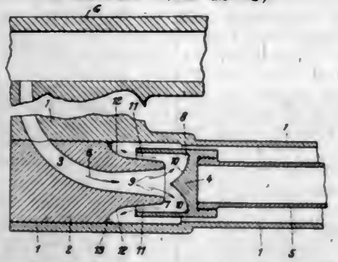
unsealing of the receptacle being effected by severance of all of the portion of said flange lying below said shear-cut from the cap along said shear-cut.

2,186,581
APPARATUS FOR BURNING SOLID FUEL
Gunnar Ganner, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application March 4, 1937, Serial No. 128,889
In Sweden March 7, 1936
1 Claim. (Cl. 126—10)



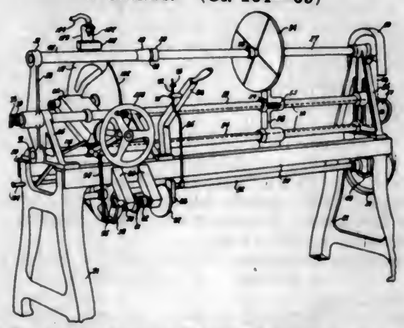
Apparatus for continuous combustion of solid fuel including casing structure providing a combustion space and an ashpit below said combustion space, a grate for supporting fuel above said ashpit and means for supplying combustion air to said ashpit, said grate being made of material having a relatively low coefficient of heat conductivity and having supporting contact of relatively small area with said casing structure, whereby to minimize conduction of heat through the grate from the overlying fuel bed, said grate being proportioned so that the portion of the total grate area occupied by the grate bars is not more than one-half of the portion of the total grate area formed by the spaces between the grate bars, whereby to provide a relatively high rate of heat radiation downwardly through the grate to heat the walls of said ashpit and the combustion air admitted thereto before said air reaches the fuel bed.

2,186,582
GAS-OPERATED FIREARM
Ferenc Gebauer, Budapest, Hungary, assignor of one-half to "Danuvia" Ipari és Kereskedelmi R. T., Budapest, Hungary, a firm of Hungary
Application August 4, 1937, Serial No. 157,234
In Hungary April 28, 1937
2 Claims. (Cl. 42—3)



1. An automatic firearm, comprising a fixed barrel, a gas cylinder associated with said barrel and having a forward portion of greater width than the rest of the cylinder, a stopper sealing the front end of said cylinder and being formed with a passage for conducting gases from said barrel to said cylinder, said stopper including a rearwardly projecting tapered muzzle portion, and a gas piston slidable in said cylinder for operating the moving parts of the firearms, said piston being provided at its forward end with a substantially cylindrical cavity into which the rear end of said muzzle portion projects when the piston is in its forward position, whereby the space along the circular corner at the bottom of said cavity, where the flow direction of the gas is reversed for the first time, forms a first annular dead pocket, and the space between the cylinder wall and the muzzle portion along the base of the latter where the second reversal of the gas flow occurs, constitutes a second annular dead pocket.

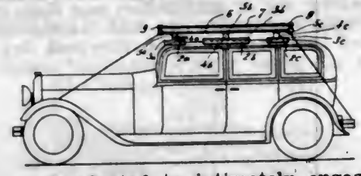
2,186,583
FABRIC CUTTING MACHINE
Edward H. Groh, Cincinnati, Ohio, assignor to The O'Donnell Rubber Products Company, Cincinnati, Ohio, a corporation of Ohio
Application July 21, 1938, Serial No. 220,475
8 Claims. (Cl. 164—69)



8. In a device of the class described the combination of a driven shaft including a mandrel for supporting and rotating a roll of material to be cut into narrow rolls, means for advancing a rotating knife into and away from said roll of material and means for advancing said roll of material a definite predetermined distance into the cutting plane of said knife after each narrow roll has been severed from said roll of material, means disposed on said driven shaft for non-revolvably supporting the narrow severed rolls, the diameter of said non-revolvable shaft being less than the diameter of the roll supporting mandrel adjacent the cutting plane of said knife, that portion of said mandrel intermediate said non-revolvable shaft and the cutting plane of said knife being tapered off to said non-revolvable shaft for laterally shifting each severed roll from said rotating mandrel onto said non-revolvable shaft.

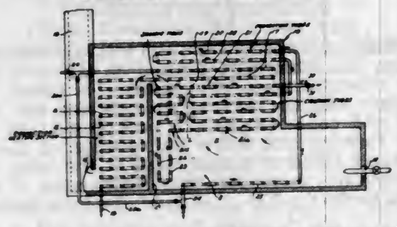
2,186,584
AUTOMOBILE SLEEPING COMPARTMENT
Arthur Ludwick Halvorsen, Staten Island, N. Y.
Application June 17, 1936, Serial No. 85,654
3 Claims. (Cl. 5—119)

1. A demountable sleeping assembly for use atop a closed type passenger motor vehicle comprising a bed spring, a base in one or more unitary sections adapted to support said bed spring from the vehicle top and sides including balsa wood members preshaped on their lower sides to conform substantially to and adapted to rest upon the curved longitudinal side edges of the top of the vehicle, members of hard material interconnecting said balsa wood members and partially faced on their upper surfaces with blocks of



balsa wood adapted to intimately engage and support said bed spring, said balsa wood members designed to be arranged longitudinally the side edges and the hard members transverse the vehicle top and means for securing said assembly in non-shifting position atop said vehicle.

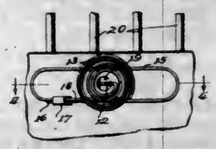
2,186,585
VAPOR PHASE CRACKING
William T. Hancock, Long Beach, Calif.
Application June 28, 1938, Serial No. 216,261
4 Claims. (Cl. 196—61)



1. The method of cracking hydrocarbons within a heating zone formed by horizontally spaced walls, that includes discharging incandescent combustion gases into the lower portion of the heating zone and conducting the gases upwardly within said zone, passing hydrocarbons downwardly and counter-current to the rising combustion gases in an extended path of flow through a bank a series-connected, horizontally extending cracking tubes of relatively great total length and exposed within said zone to radiant heat of the combustion gases, thereby heating the hydrocarbons over a relatively long period of time at a rate sufficiently gradual to minimize fixed gas and carbon formation and at a temperature such that the hydrocarbons are cracked in vapor phase, then passing the cracked vapors upwardly through a reduced length path of flow in a bank of series-connected, horizontally extending soaking tubes having substantially less total length than said cracking tubes and located within said zone in the path of the upwardly flowing combustion gases directly between said cracking tubes and the wall of the heating zone, and reforming the vapors by maintaining them at cracking temperature during their passage through said soaking tubes and over a relatively short period of time.

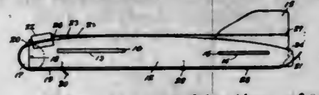
2,186,586
ATTACHING CLIP
Willard B. Kamen, Chicago, Ill.
Application December 22, 1937, Serial No. 181,066
8 Claims. (Cl. 24—73)

4. A fastener comprising, a conically coiled wire spring in which the terminal of the largest convolution thereof has extended therefrom an elongated loop arranged in the same plane with the said largest convolution and being substantially greater in length than the diameter of said largest convolution, and a stem passing axially



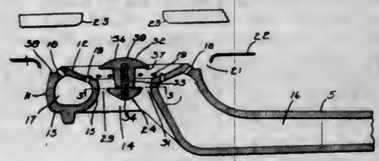
through said spring, said stem having a hand hold at one end and a hook portion at the other end.

2,186,587
GLIDER TOY
Joseph H. Kleinberg, Cincinnati, Ohio
Application June 20, 1939, Serial No. 280,139
10 Claims. (Cl. 46—79)



8. In a glider, the combination of a winged body having a nose and a tail portion, a weight shiftably mounted upon the glider body for movement from the nose toward the tail portion of the glider body, and self-operative means for slowly and gradually shifting the weight in the direction stated, during flight of the glider.

2,186,588
GAS BURNER
Joseph E. Leonard and Charles T. Hammons, Berkeley, Calif., assignors to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of California
Application December 3, 1937, Serial No. 177,889
9 Claims. (Cl. 158—116)

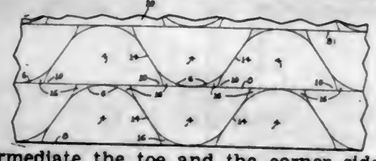


4. A gas burner comprising, an annular housing having a plurality of circumferentially spaced ports in the top surface thereof and having an open central portion for passage of air, said surface being polished and substantially concave to reflect and concentrate radiant heat incident thereon, and a member providing a reflecting surface at said central portion in spaced position over the inner edge of said first surface to admit air therebetween and being substantially as large as said opening to reflect radiant heat from the central portion of said housing.

2,186,589
SHOE STIFFENER BLANK AND METHOD OF MAKING THE SAME
Stanley P. Lovell, Newton Center, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of Massachusetts
Application May 26, 1937, Serial No. 144,843
13 Claims. (Cl. 12—146)

1. A pre-stiffened blank for box toes comprising a piece of suitable material impregnated with stiffening compound and being of generally segmental shape having a convexly curved toe por-

tion, convexly curving corner side portions adjacent the vamp line, and straight side portions



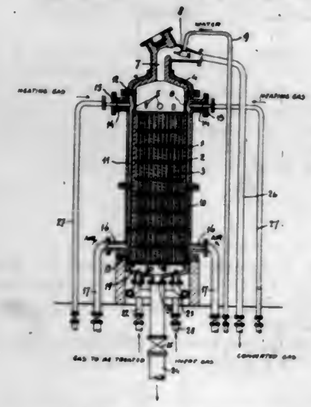
intermediate the toe and the corner side portions.

2,186,590

PROCESS OF HEAT TREATING GASES

Friedrich Martin, Oberhausen, and Reinhard Jung, Oberhausen-Sterkrade, and Heinrich Tramm, Oberhausen-Holten, Germany, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany

Application March 27, 1936, Serial No. 71,174
In Germany April 11, 1935
8 Claims. (Cl. 260—668)



GASES OF COMBUSTION

1. The method of chemical conversion of hydrocarbon gases for the recovery of olefinic or aromatic hydrocarbons which comprises passing a hot gas through a checkerwork heat storer formed of a highly refractory substantially non-porous material practically free from silica and iron and having, and retaining at the highest temperature required in the process; a smooth surface so as to build up in the inner part of said heat storer a temperature above 1000° C., scavenging the residual gas by passing through the heat storer an inert gas, thereupon passing through the heated zone under substantially atmospheric pressure the gas to be converted, once more passing scavenging gas through the heat storer and repeating this sequence of operations.

2,186,591

NECKTIE

George A. Mueller, University City, Mo.

Application December 15, 1938, Serial No. 245,903
3 Claims. (Cl. 2—146)

1. A four-in-hand necktie comprising a body portion shaped and folded to present a face panel having a main back flap at one side folded rearwardly and inwardly and having a back panel at the other side folded rearwardly and inwardly to overlie the back flap, said back panel being provided at its outer edge with a tuck flap infolded to lie between the back panel and the main flap, said flaps terminating at their free marginal edges at a distance spaced from the line of fold between the face and back panels whereby not more than two thicknesses of material are presented along the line of each of the folds and said flaps in the knot forming and tying end being unsecured to the panels except at the folded edges thereby permitting complete unfolding and flat opening out of said panels and flaps of the larger tying end, and a two-part fastener having one part thereof secured on the tuck flap only



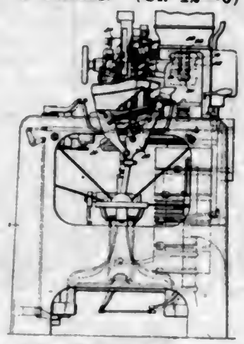
and located inwardly from the infolded edge and having the other part secured on the back flap only whereby when the fastener is closed the fastener and the securement therefor are covered and concealed by the back panel and the knot forming and larger end portion of the tie is loosely rolled and unsecured at the folds and presents not more than two thicknesses of material along the line of each of the folds thereof.

2,186,592

SHOE MACHINE

Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Original application May 25, 1935, Serial No. 23,462. Divided and this application April 27, 1938, Serial No. 204,598
9 Claims. (Cl. 12—6)



1. In a machine for operating upon shoes, the combination with guiding devices for the assembled insole and upper of a shoe supported on a last, of means for attaching the upper to the insole, a lasting gripper comprising cooperating jaws, one of said jaws being arranged to slide transversely of the rib of the insole while in engagement therewith at the limit of the downward movement of the gripper, and the other of said jaws being arranged for gripping engagement with the adjacent portion of the shoe upper and means for actuating the jaws to grip the upper and for moving both jaws away from the work to tension the upper.

2,186,593

RAILWAY AND HIGHWAY TRAILER

George T. Ronk, Lanark, Ill.

Application November 6, 1936, Serial No. 109,488
22 Claims. (Cl. 105—215)



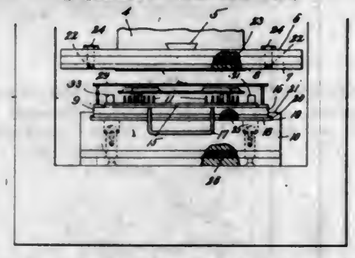
1. The combination of a pair of cars supported end to end, carrier means supported by one of the adjacent ends of said cars, rider means supported by the adjoining end of the other car, means supported by said carrier means for movably supporting said rider means to move longitudinally relative to the carrier means and for supporting a portion of the weight of the said end of said other car, and a yieldable coupling to operatively connect said cars.

2,186,594

PERFORATING MACHINE

Stig E. Rosenberg, Brockton, Mass.

Application July 19, 1938, Serial No. 219,980
2 Claims. (Cl. 164—93)



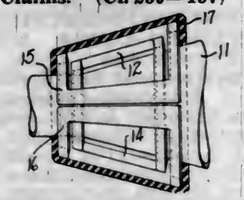
1. In a perforating machine, the combination with a perforating die and a die striking plate, at least one of which is mounted to yield under resistance from the other, between which the work is penetrated and pierced by the cutting edges of the die, a paper cutting bed for the die striking plate, and means for causing the cutting edges of the die to receive the entire work penetrating and piercing pressure, of means independent of the cutting edges and interposed between the die and the striking plate for limiting the depth the cutting edges penetrate into the paper cutting bed.

2,186,595

DEFLECTING COIL

Ernst Ruska, Berlin-Zehlendorf, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application August 5, 1936, Serial No. 94,434
In Germany October 24, 1935
4 Claims. (Cl. 250—157)



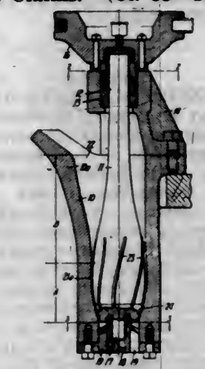
3. A deflecting coil for use with a cathode ray tube, having a modified trapezoidal form comprising a straight short base portion, a long base portion bent convexly away from said short portion, and side portions connecting said end portions having conductors divergently spaced away from said short portion.

2,186,596

GYRATORY CRUSHER

John H. Spohn, Jr., San Francisco, Calif.

Application April 17, 1936, Serial No. 74,956
3 Claims. (Cl. 83—10)



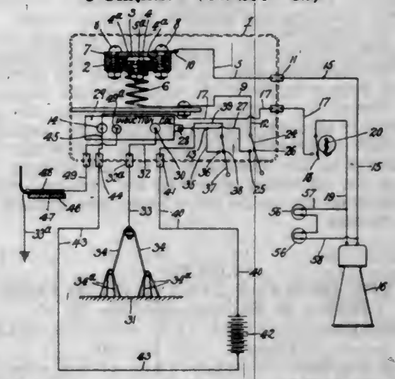
3. In a machine for crushing ore and like material, a pestle disposed in a generally upright position, a bowl surrounding the pestle, the lower portion of the bowl affording crushing surfaces symmetrically disposed about the pestle, the upper portion of the bowl affording both coarse and fine crushing surfaces entirely surrounding the upper portion of the pestle and non-symmetrically disposed about the same, said last named crushing surfaces being formed by bowl walls which on one side of the pestle are offset laterally from the pestle by an amount substantially greater than the walls forming the diametrically opposite side of the bowl, the inner peripheral contour of the bowl on planes normal to the axis of the pestle being substantially circular for both said upper and lower bowl portions, and means for gyrating one end of the pestle in a circular path.

2,186,597

PROTECTIVE DEVICE

Milo E. Westbrooke, Chicago, Ill., assignor to Donald M. Carter, Chicago, Ill.

Application August 16, 1933, Serial No. 685,363
Renewed June 7, 1939
5 Claims. (Cl. 200—52)



1. A protecting device comprising an auto-

matic switch comprising two vertically spaced contacts, mercury intermediate said contacts, a movable support for said vertically spaced contacts and mercury, a separate movable part, an elastic connection between said separate movable part and said support, said support being responsive to the combined action of inertia and said elastic connections to move said support up and down and sidewise to move said mercury to bring it into contact with both of said contacts when said separate movable part is moved, whereby the circuit is closed by vertical as well as horizontal vibrations.

2,186,598

STABILIZED POLYVINYL ACETALS

Gustave Bryant Bachman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 6, 1937, Serial No. 167,621
20 Claims. (Cl. 260—73)
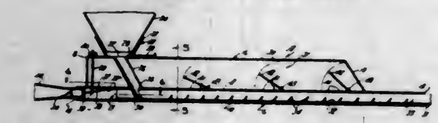
1. The process of preparing a stable polyvinyl acetal resin which comprises mixing together a polyvinyl fatty acid ester with an aldehyde under conditions which will result in the formation of a polyvinyl acetal in the presence of a compound selected from the group consisting of the aminobenzaldehydes, the dihydroxy aromatic aldehydes in which not more than one of the hydroxyls has its hydrogen replaced and the compounds which will generate dihydroxy aromatic aldehydes in a polyvinyl acetal reaction mixture.

2,186,599

METHOD OF AND APPARATUS FOR DRY CONCENTRATION

George W. Beach, Minneapolis, Minn.

Application March 3, 1938, Serial No. 193,702
7 Claims. (Cl. 209—477)



1. The method of separating valuable minerals from the natural deposit in which they are found, which includes feeding the deposit onto a riffle surface, directing an air stream over the riffle surface to blow the deposit thereon, and diverting a part of the air stream upwardly prior to its meeting the deposit and subsequently returning this diverted air downwardly to the main air stream to thereby set up a turbulence in the air stream carrying the deposit over the riffles.

7. An apparatus for separating valuable metals from a natural deposit comprising a riffle chamber open at opposite ends, blower means for directing an air stream endwise through the riffle chamber, feed means for feeding the deposit into the path of the air stream, riffle means in the bottom of the riffle chamber and opening upwardly and angularly in the direction of the air stream, and means for directing diverted air streams downwardly into the main air stream and toward the riffle means.

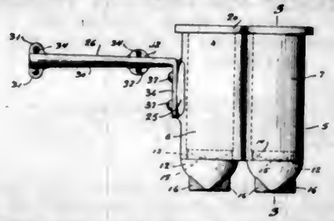
2,186,600

STERILIZER FOR DENTAL HAND PIECES

Walter S. Behrens, Buffalo, N. Y.

Application October 29, 1938, Serial No. 237,732
3 Claims. (Cl. 21—90)

1. A sterilizer for dental hand pieces, comprising a one-piece body having two parallel, interspaced receptacle-forming bores of round and uniform cross section, extending entirely therethrough from top to bottom with bracket means on the side of the body for permanently mounting the same, individual liquid-tight bottom closures for the receptacle-forming bores independently removable for cleaning each bore, each closure



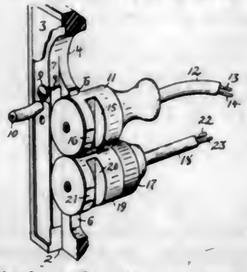
being fitted into its respective bore and having a substantially concave sediment-collecting basin inwardly from the walls of the bore, and a cover common to both bores and mounted on the body to move clear of said bores, whereby upon removal of the closures, free access will be given to both bores through each end for cleansing the same.

2,186,601

ELECTRIC OUTLET FIXTURE AND EXTENSION CORD THEREFOR

William F. Borkenstein, Fort Wayne, Ind.

Application May 13, 1938, Serial No. 207,832
1 Claim. (Cl. 173—330)



An electrical outlet fixture and connection plug therefor, said fixture consisting of a wall plate having a chamber that is open at the bottom thereof, the front wall of said plate having a plug-receiving aperture therein communicating with said chamber, the upper end portion of said aperture being enlarged and the lower portion thereof being comparatively narrower and terminating at a point above the bottom of said plate, those portions of the front of said plate adjacent the narrow portion of the aperture constituting plug-supporting guides, the side walls of said chamber adjacent said guides having thereon contactors oppositely disposed, said connection plug having side slots for the reception of said guides and provided with other contactors on its periphery oppositely disposed and engageable with the corresponding contactors in said fixture when the plug is in place.

2,186,602

PROCESS FOR THE PRODUCTION OF ROLLED AND STAMPED TABLE AND KITCHEN ARTICLES

Peter Bosbach and Emil Keller, Hilden, Rhineland, Germany

Application November 6, 1937, Serial No. 173,176
In Germany November 13, 1936
1 Claim. (Cl. 76—105)

In a method of manufacturing blanks for table and kitchen articles, particularly spoons made of iron, rustless steel, alpacca, aluminium and

similar materials, the steps of: stamping out of preliminary workpiece such that the handle portion receives its final form in the direction of its width and the scoop portion receives the form of a narrow lug having substantially the length of the finished scoop part; and then subjecting the said scoop portion to a rolling operation transversely to its longitudinal direction and



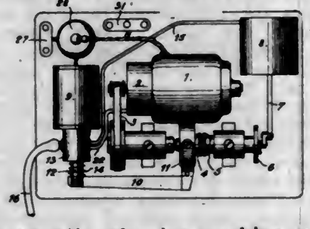
spreading the intermediate portion to a considerably greater extent than the end and the portion adjacent to the handle, so that the said scoop portion is given a thickness which increases longitudinally and transversely from the intermediate portion of the scoop towards the tip and handle ends and towards the sides thereof, said tip and handle ends retaining substantially their original thickness.

2,186,603

PNEUMATIC RELOOPING MACHINE

Bedri Hussein Gostkowski, Geneva, Switzerland

Application August 31, 1937, Serial No. 161,785
In Germany September 2, 1936
8 Claims. (Cl. 66—1.5)



1. A pneumatic relooping machine comprising a cylinder member serving as a needle holder containing a reciprocable piston to which a relooping needle is attached, a motor driven air pump having a pump cylinder containing a pump piston and being connected to said cylinder member so that the air from the pump will act upon said piston and cause the same and said needle to reciprocate in rhythm with said pump, driven suction means, and means bringing said cylinder member into active communication with said suction means when the piston is at rest in order to retain said piston in retracted rest position.

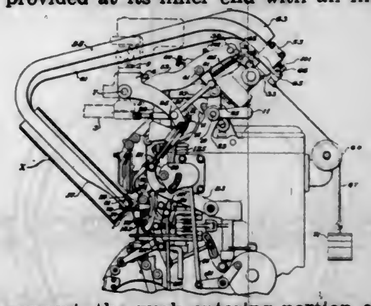
2,186,604

SEWING MACHINE

Joseph Gouldbourn and Thomas Aubrey Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 3, 1936, Serial No. 66,830
In Great Britain March 8, 1935
8 Claims. (Cl. 112—62)

2. A machine for sewing suitcases or like articles having, in combination, a work support having angularly disposed surfaces to engage the work externally, stitch forming devices including a needle arranged to move across the corner formed by said surfaces, and a work entering horn provided at its inner end with an internal



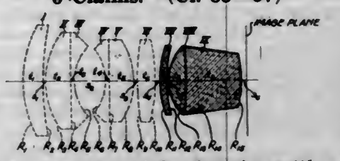
work support, the work entering portion of said horn being substantially parallel to one surface of the external work support, and said horn being mounted to rotate about an axis substantially parallel to the other surface of the external work support and passing through the work engaging end of the horn.

2,186,605

OPTICAL SYSTEM

Maximilian J. Herzberger, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 23, 1937, Serial No. 170,670
6 Claims. (Cl. 88—57)



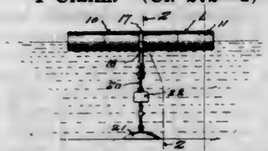
1. A rear component for forming with a photographic objective a high aperture system, said component comprising a thin weak meniscus lens convex to the incident light coming from the objective and with its front surface substantially orthogonal to light from the objective and a biconvex compound component spaced therefrom and axially occupying the major portion of the distance between the objective and the focal plane of the system.

2,186,606

LOG-ROLLING DEVICE

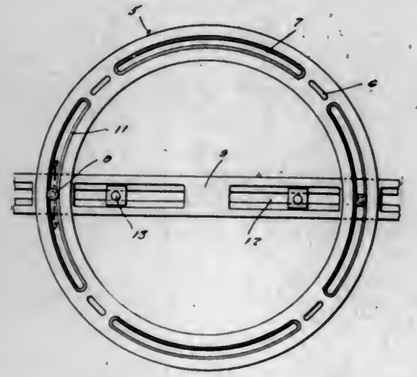
Charles W. Hutchinson, Milwaukee, Wis.

Application September 12, 1936, Serial No. 100,427
1 Claim. (Cl. 272—1)



In a water sporting device, a buoyant member having an annular groove therein intermediate its ends, a sectional bearing sleeve fitted in said groove, with the sections thereof rigidly connected together, a sectional bearing collar fitted around the bearing sleeve with its sections connected together, and means for attaching an anchor to the collar.

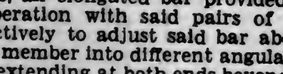
2,186,607
CEILING HANGER
William M. Judge, Lockport, and Kenneth M. Butler, Medina, N. Y.
Application July 27, 1938, Serial No. 221,620
1 Claim. (Cl. 248—343)



A hanger for attachment to a ceiling comprising a flat annular member provided therein with equidistantly spaced short slots for the passage of attaching bolts therethrough and having elongated arcuate slots therein intermediate the short slots and arranged in diametrically opposite pairs, an elongated bar provided with bolts for cooperation with said pairs of elongated slots selectively to adjust said bar about the axis of said member into different angular positions, said bar extending at both ends beyond the outer edge of said member and being provided with longitudinally extending spaced slots within and outside said member, and hanger rods attachable to said bar for adjustment along selected slots to vary the position thereof.

2,186,608
METHINE DYES AND A PROCESS FOR THE PREPARATION THEREOF
Grafton H. Keyes, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application June 4, 1937, Serial No. 146,425. Divided and this application August 31, 1938, Serial No. 227,853
20 Claims. (Cl. 260—240)

1. A dye characterized by the following formula:

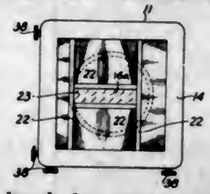


wherein A represents a divalent non-metallic atom selected from the group consisting of oxygen and sulfur, L represents a methenyl group, *n* represents a positive odd integer not greater than five, J represents a substituent selected from the group consisting of hydrogen and alkyl groups when Q represents an alkyl group and J and Q together represent the non-metallic atoms necessary to complete an organic basic cyclic nucleus other than a pyrrol nucleus selected from the group consisting of five-membered and six-membered organic basic cyclic nuclei and Z represents the non-metallic atoms necessary to complete an organic heterocyclic nucleus selected from the group consisting of five-membered and six-membered organic heterocyclic nuclei.

2,186,609
METHOD OF REMOVING WAX FROM WAXED PAPER STOCK
Otto Kress, Appleton, Wis., assignor to The Institute of Paper Chemistry, Neenah, Wis., a corporation of Wisconsin
No Drawing. Application May 5, 1937, Serial No. 140,835
10 Claims. (Cl. 92—3)

1. The method of separating waxy materials from waxed paper stock, which comprises defibering the stock in an aqueous medium, adding to the fibers an aqueous mixture consisting of a water-soluble emulsifying agent and an alkali solution of a water-insoluble, alkali-soluble, acid-precipitable protein, agitating the mass so as to form a stable emulsion of said waxy materials and separating the emulsion from the defibered stock, whereby there is produced substantially wax-free fibers.

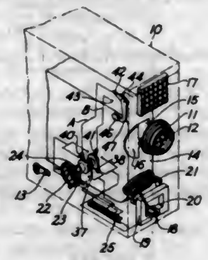
2,186,610
LENS HOOD
Roger P. Leavitt and Joseph S. Beggs, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 31, 1937, Serial No. 182,823
3 Claims. (Cl. 95—36)



1. A lens hood for cameras comprising, in combination, a body portion having side walls and a front wall formed with a rectangular opening, means for detachably securing said body portion to a lens barrel of said camera, spring actuated rollers rotatably mounted on said walls and extending across said portion adjacent the edges of said opening and normal to the optical axis of said lens barrel, curtains mounted on said rollers and arranged to be positioned across said opening to form a light aperture which may be varied in size or location, the springs of said rollers tending to move said curtains in one direction to enlarge said aperture, shafts extending across said portion behind and substantially parallel to said rollers and having the ends rotatably mounted in said sides, a pair of wind-up drums secured to each of said shafts adjacent the ends thereof, a pair of wind-up cords for each of said curtains, each of said cords having one end thereof secured to the free end of one of said curtains adjacent a marginal edge thereof and the other end fastened to one of said drums, guide pulleys loosely mounted on the ends of each of said rollers, the pulleys on each roller serving to guide the cords secured to an opposite curtain, and means for separately rotating each of said shafts to wind the cords onto said drums to draw said curtains across said opening to reduce the size or location of said aperture.

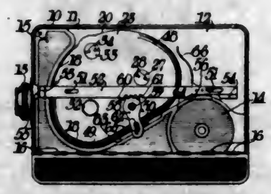
2,186,611
PHOTOGRAPHIC APPARATUS
Lawrence R. Martin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 14, 1938, Serial No. 219,179
3 Claims. (Cl. 95—64)

1. A photographic camera including two adjustable exposure controlling devices, a photoelectric mechanism for controlling the adjustment of one of said devices, a plurality of different circuits for said mechanism, means for adjusting the resistance of all of the circuits in



accordance with the adjustment of the other of said devices, and means for selectively completing one of said circuits in accordance with the sensitivity of the photographic material to be exposed in the camera.

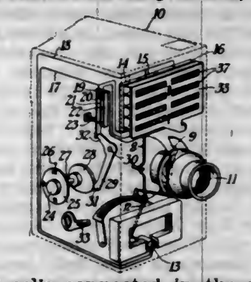
2,186,612
MOTION PICTURE MAGAZINE AND CAMERA THEREFOR
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 22, 1935, Serial No. 37,365
4 Claims. (Cl. 88—16)



1. In a photographic apparatus, the combination with a casing providing a magazine chamber, and a cover for enclosing said magazine chamber, of a shutter actuating means having an element movably mounted on said cover and operative only when said cover is closed to operate the shutter member of a film magazine within said chamber, and a latching means between said casing and said cover and including a part movably mounted on said cover, operatively connected to said element of the shutter actuating means, and for opening and closing said shutter member of the film magazine when said latching means is moved respectively to lock and unlock said cover with respect to said casing.

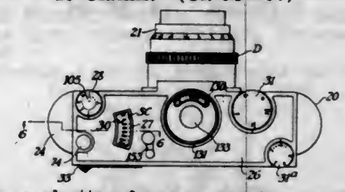
2,186,613
PHOTOGRAPHIC CAMERA
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 22, 1937, Serial No. 181,179
2 Claims. (Cl. 95—64)

1. In a photographic camera in which a device including an electrical meter determines the opening to which the diaphragm of the camera is to be adjusted, a circuit for said meter, a plurality of light sensitive cells, means for selectively connecting in the circuit any number of said cells, a shutter, a member movable for altering the speed setting of the shutter, and means actuated by the movement of said shutter setting member for controlling said connecting means, whereby the



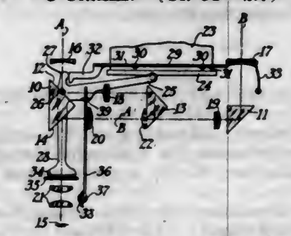
number of cells connected in the meter circuit depends upon the shutter speed setting.

2,186,614
MULTISPEED SHUTTER AND CONTROL THEREFOR
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 22, 1937, Serial No. 181,180
15 Claims. (Cl. 95—57)



1. In a shutter for cameras the combination with a casing having an exposure aperture, of moveably mounted members for uncovering and covering said exposure aperture, mechanism in the shutter casing for moving the moveably mounted members, a gear train mounted in the casing, a rack pivotally mounted to move to and from contact with a gear of the gear train, a dial on the outside of the casing, a lever inside of the casing and moveable by the dial to control the contact of the rack and gear, a power spring connected to a gear of the gear train, a handle outside the casing for setting the power spring, a cam operatively connected to the power spring, a shutter release lever, operable connections between said lever and the cam whereby the gear train may delay the start of an exposure and may also delay the duration thereof.

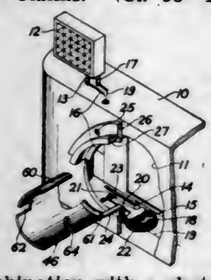
2,186,615
COMBINED VIEW AND RANGE FINDER
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 14, 1938, Serial No. 201,998
3 Claims. (Cl. 88—2.7)



2. A range finder particularly adapted for use on a camera, comprising a beam accepting and combining unit, having two spaced beams of

light coming from an object and directing them in a single direction along adjacent paths, a negative lens in each light beams for forming a virtual image of the object, a collective lens in each light beam between the negative lens and the point where the beams begin to follow adjacent paths for reimaging the virtual image formed by each negative lens, the position and focal length of each collective lens being such that the images they form lie in a single plane substantially at the point where the beams begin to follow adjacent paths, a collective field lens substantially in the plane of the images formed by said collective lenses, and a telescope including an objective lens and an ocular for viewing the images in said field lens, said objective lens serving to relay to the focal plane of the ocular an inverted image of the images at said field lens.

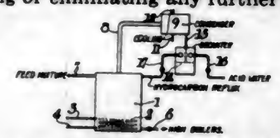
2,186,616
PHOTOGRAPHIC APPARATUS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 14, 1938, Serial No. 219,178
9 Claims. (Cl. 95—10)



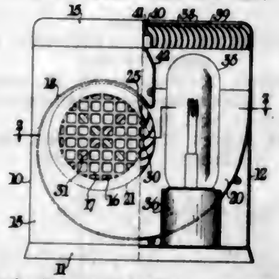
1. The combination with a photographic camera having a lens opening in one wall thereof for receiving interchangeable lens mounts, and including a light sensitive device, and means for altering the output of said device, said means including a part adjacent said lens opening and adapted to be moved longitudinally thereof in adjusting said light sensitive device, of an interchangeable lens mount adapted to be positioned on said camera and in said lens opening, and comprising an adjustable diaphragm, means for operating said diaphragm, and an adjusting member operated by said diaphragm operating means and arranged to operatively engage said part in the camera when the lens mount is positioned in said opening and adapted for moving said part longitudinally of said opening when moved by said diaphragm operating means, whereby the output of said light sensitive device is altered in accordance with the change in diaphragm opening caused by an adjustment of said diaphragm.

2,186,617
PROCESS OF SEPARATING CHEMICAL COMPOUNDS
Donald F. Othmer, Brooklyn, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 12, 1935, Serial No. 54,120
2 Claims. (Cl. 202—61)

1. In a process for treating pyroligneous liquid to separate the aqueous acetic acid of the pyroligneous liquid from the tarry components thereof, which comprises subjecting the pyroligneous liquid to a heat treatment for about 1 to 3 hours at a temperature equivalent to a steam pressure of about 100 to about 150 pounds, thereby reducing or eliminating any further tar forming tendency in the pyroligneous liquid, continuously withdrawing the vapors formed during this heat treatment, and subjecting these vapors to further treatment to recover the acetic acid therefrom.

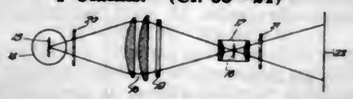


2,186,618
LAMP HOUSE CONSTRUCTION
Harlow D. Philips, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 27, 1937, Serial No. 139,240
7 Claims. (Cl. 88—17)



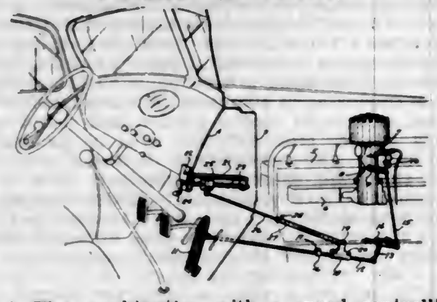
1. A projection apparatus comprising a lamphousing adapted to contain a light source, a fan means associated with said housing for creating an exhaust air blast upon said light source and including two intake openings, an optical system, a film gate, frame members supporting said optical system and said film gate in alignment with said light source, and light baffling means on said housing in the path of said exhaust air blast beyond said light source and including a plurality of smoothly curved members nested in spaced relation to provide low resistance passages for said exhaust air blast and to prevent direct light rays from passing between said formed members, said frame members being provided with open recesses adjacent said optical system to form smooth intake air passages leading from said film gate to one of the intake openings of said fan means.

2,186,619
ENLARGING AND COPYING DEVICE
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application July 22, 1938, Serial No. 220,803
In Germany July 30, 1937
4 Claims. (Cl. 88—24)



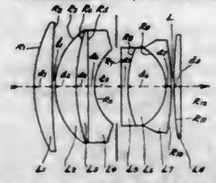
1. In an enlarging and copying device, the combination, a source of light, a condenser lens system, means forming a support for a negative to be enlarged, a photographic enlarging objective, and means for varying in the beam of light passing through said objective the proportion of the intensity of light diffused by the negative to be printed to that which passes directly through said negative, said means including at least one circular plate of opaque material provided with cut-outs therein which are arranged symmetrically around the center point of plate, said plate being arranged in the path of light in rear of the negative, and at least one more circular plate of opaque material provided with cut-outs therein which are shaped similarly to the solid opaque portions of the first named circular plate, said second circular plate being arranged in the path of light in front of the negative, said two circular plates being mounted in optical conjugated planes and being adapted to be rotatably adjusted in their respective planes relatively to each other about their center point for progressively varying the intensity proportion of the two mentioned types of light.

2,186,620
ADJUSTABLE SPEED LIMITING DEVICE FOR AUTOMOBILES
Aniello Aprea and Edward Williams, Minneapolis, Minn.
Application February 21, 1938, Serial No. 191,840
3 Claims. (Cl. 74—526)



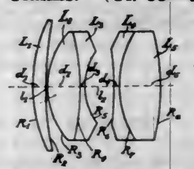
1. The combination with a speed controlling element and means for actuating the same including a pedal and an endwise movable thrust rod connected to and extending from said pedal, of cooperating stops, one slidable on and the other relatively fixed to said thrust rod, a block, a guide supporting said block for endwise traveling movements, and a connecting rod connecting said block to the sliding stop on said thrust rod.

2,186,621
LENS SYSTEM
Ludwig Bertele, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application June 15, 1938, Serial No. 213,764
In Germany July 13, 1937
6 Claims. (Cl. 88—57)



1. A lens system of large relative aperture comprising four axially aligned lens units separated from each other by air spaces, the front unit being a simple collective lens, the second unit next to said front unit being made up of at least one positive lens and one negative lens cemented together to form a dispersive meniscus curved toward the front unit and containing at least one dispersing cemented face, one of said positive lenses having a lower refractive index than the negative lens which faces the second air space, the concave outer face of said meniscus having a smaller radius of curvature than the convex outer face of the same, the third lens unit comprising a single collective lens having a convex face directed rearwardly toward the fourth lens unit, and the fourth lens unit consisting of a simple collective lens the convex face of which facing the third lens unit having a smaller radius of curvature than the outer face directed rearwardly, the fourth lens unit having a greater focal length as compared to the length of the system as a whole and spaced from the third lens unit a distance less than the air spacings of any of the other lens units, said units having their radii, focal powers and axial spacing cooperatively co-related to the focal length of the lens system as a whole to give larger relative aperture and lower distortion error for larger picture angles.

2,186,622
LENS SYSTEM
Ludwig Bertele, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application April 26, 1939, Serial No. 270,059
In Germany May 27, 1938
3 Claims. (Cl. 88—57)

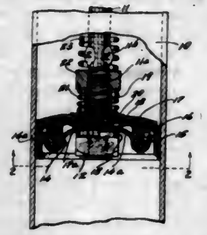


1. A lens system comprising a collective front unit, a meniscus shaped center unit and a collective rear unit, all of said units being axially aligned and air separated from each other, the front unit consisting of a single convexo-concave lens whose concave face is directed toward said center unit, said meniscus shaped center unit being composed of a collective element and a dispersive element cemented together, said collective element being bi-convex whose face having the smaller radius of curvature is curved toward said front unit, said dispersive element having its more strongly curved concave face directed toward said collective rear unit, the refractive index for the *d*-line of the more strongly curved face of said dispersive element being larger than 1.64 and the axial thickness of said meniscus-shaped center unit measured along the optical axis being smaller than 25% of the focal length of the lens system as a whole, and said collective rear unit being a compound lens having a cemented face curved toward said center unit.

2,186,623
SAFETY PUMP PLUNGER
Henry E. Brandt, North St. Paul, Minn.
Application February 25, 1938, Serial No. 192,522
2 Claims. (Cl. 230—221)

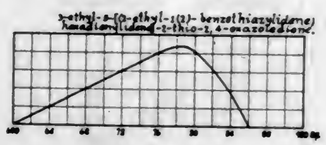
1. A pump plunger structure having in combination, a plunger rod, a cup shaped plunger of flexible material having a central opening surrounding said rod, a rigid backing member at the concave side of said plunger having an imperforate central portion surrounding said rod and openings outwardly thereof beyond said cen-

tral portion, a plate having an outer annular portion disposed above said plunger and a central portion engaging the imperforate portion of said backing member and having a plurality of open-



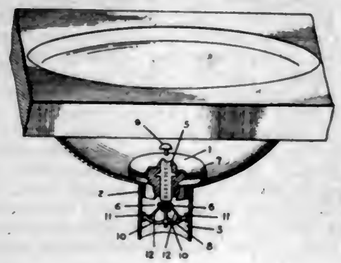
ings therethrough, a sleeve surrounding said rod, means surrounding said sleeve overlying said plate and closing said openings and resilient means urging said last mentioned means against said plate.

2,186,624
MEROTRICARBOCYANINE DYE AND PHOTOGRAPHIC EMULSION
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 26, 1937, Serial No. 138,953
9 Claims. (Cl. 95—7)



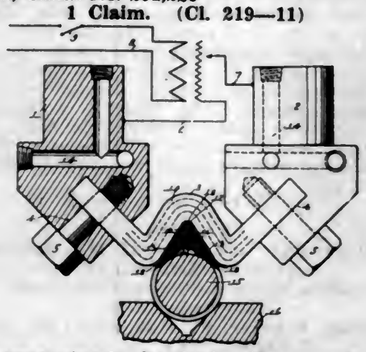
1. A photographic silver halide emulsion containing a sensitizing merotricarbocyanine dye.

2,186,625
ANCHORING STOPPER
Linus A. Carroll, Colorado Springs, Colo.
Application July 30, 1938, Serial No. 222,240
5 Claims. (Cl. 4—295)



1. A stopper with means to prevent accidental withdrawal from the drain outlets of wash bowls and the like comprising, an oval head and a cylindrical neck; an operating pin extending through said head and neck; a plurality of anchoring arms pivotally connected to one end of said operating pin; a link pivotally connected to each anchoring arm between the free end and the point of connection to said operating pin, said anchoring arms being pivotally connected to the central portion of the bottom of said neck; and a friction shoe on the free end of each anchoring arm.

2,186,626
APPARATUS FOR HARDENING FERROUS BODIES AND THE LIKE
Charles W. Dake, Grand Haven, Mich., assignor to Campbell, Wyant and Cannon Foundry Company, Norton Township, Mich., a corporation of Michigan
Original application January 6, 1937, Serial No. 119,357. Divided and this application April 11, 1938, Serial No. 201,226
1 Claim. (Cl. 219—11)



An apparatus for hardening the camming surfaces of a shaft's carbon-containing metal cams which have a medial high point and diverging sides extending therefrom toward the shaft, said apparatus including a continuous electric resistance conductor of comparatively less cross-sectional area at its medial portion and comparatively greater cross-sectional area at its ends, and having a lateral cavity in its medial portion with side walls extending divergingly from the bottom of the cavity, said cavity conforming with the shape of the cam and being adapted to receive the cam with its high point adjacent said bottom and its said sides parallelly adjacent said side walls, means for flowing an electrical current through the conductor lengthwise thereof to heat its medial portion to a relatively high degree adjacent the bottom of the cavity and to relatively lower degrees adjacent the cavity's side walls progressively toward the ends of the conductor for radiantly heating and hardening the camming surface of the cam in the cavity to degrees progressively increasing toward its high point and progressively decreasing toward the shaft, and water-cooled terminals with which the enlarged end portions of the conductor are in connection for further tempering the heat of the said end portions of the conductor.

2,186,627
HAIR CUTTER
Francis L. Davies, Waukesha, Wis.
Application July 28, 1937, Serial No. 156,183
1 Claim. (Cl. 240—2)



In an electric hair-cutting device including, an elongated casing adapted to be gripped in the hand of an operator and substantially housed therein throughout its entire length, a motor housed within the casing and provided with a starting wheel projecting through the top of the casing, a cutter head carried by the forward end of said casing and projecting beyond that portion covered by the hand, a hood formed integrally with the top of the casing and extending longitudinally thereof under the portion covered by the hand of the operator, said hood being open at its forward end rearwardly of the forward end of the casing, the sides of the hood extending forwardly to straddle said starting wheel and prevent undesired contact of the operator's finger with the sides of the wheel, a depending transverse web within said hood rearwardly of its opening, and an electric contact button carried by said web, a spring clip mounted within said hood forwardly of said transverse web, and an electric bulb detachably secured within said clip and engaging said contact button for illuminating said cutter head.

2,186,628
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,690
3 Claims. (Cl. 28—1)

1. The process of conditioning yarn composed of or containing cellulose acetate to render it more amenable to textile operations including knitting, weaving, spinning, and the like, which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component N-β-hydroxyethyl morpholine palmitate.

2,186,629
PROCESS OF DYEING
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 26, 1938, Serial No. 237,063
10 Claims. (Cl. 8—50)

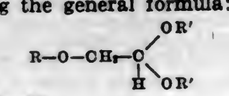
1. The process of dyeing material made of or containing an organic derivative of cellulose which comprises applying thereto a non-sulfonated azo dye compound having the general formula:

$$R—N=N—R_2$$

wherein R represents the residue of an aryl nucleus of the benzene series and R_2 represents the residue of a sulfazone nucleus which is joined through the carbon atom in the 2-position to the azo bond.

2,186,630
YARN TREATING PROCESS AND COMPOSITION THEREFOR
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,697
31 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component an acetal having the general formula:



where R is an organic radical selected from the group consisting of alkoxyalkyl, aryloxyalkyl, and heterocyclic groups, and R′ is an alkyl group.

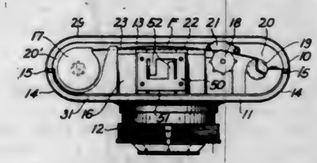
2,186,631
CELLULOSE ORGANIC DERIVATIVE COMPOSITIONS CONTAINING TETRAHYDROFURFURYL TETRAHYDROFUROATE
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 31, 1939, Serial No. 265,230
5 Claims. (Cl. 106—40)

1. A composition of matter comprising a cellulose organic derivative and tetrahydrofurfuryl tetrahydrofuroate as a plasticizer therefor.

2,186,632
CELLULOSE ORGANIC DERIVATIVE COMPOSITIONS CONTAINING GLYCOL TETRAHYDROFUROATES
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 1, 1939, Serial No. 265,550
8 Claims. (Cl. 106—40)

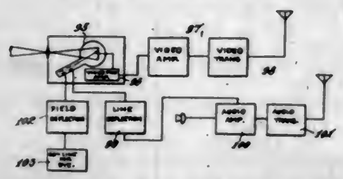
1. A composition of matter comprising a cellulose organic derivative and, as a plasticizer therefor, a neutral tetrahydrofuroate of a compound of the class consisting of glycols and glycol monoalkyl ethers.

2,186,633
PHOTOGRAPHIC CAMERA
Henry O. Drotning, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1938, Serial No. 231,377
8 Claims. (Cl. 95—31)



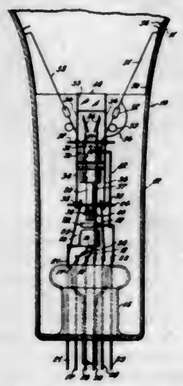
1. In a roll film camera, the combination with a camera body, means at one side of the body for supporting a supply roll of unexposed film, means at the other side of the body for supporting a take-up roll for winding film from said supply roll, and an exposure frame between said rolls across which the film is advanced in the focal plane of the camera, of a camera back completely removable from said camera body for loading purposes, a film guide carried by said camera back and movable to and from a guiding position wherein it cooperates with said exposure frame to form a film channel at the focal plane of the camera, means for locking said back on the camera body, and including a latch member on said camera back, and an operative connection between said latch member and said film guide, whereby the film guide is moved to and from its guiding position when the latch member is moved to and from its locking position, respectively.

2,186,634
METHOD AND SYSTEM FOR TELEVISION COMMUNICATION
Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 26, 1938, Serial No. 186,981
4 Claims. (Cl. 178—5.6)



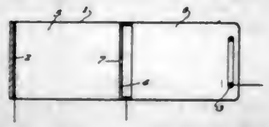
1. In the art of simultaneous television and sound communication betwen two stations wherein cathode-ray tubes are ultilized at the respective stations for scanning, the method of operation which comprises transmitting from one of said stations to the other station picture signals on a carrier wave and simultaneously transmitting sound signals on another carrier wave, developing a continuous electrical wave at a line frequency for deflecting the scanning ray at said first-named station at said line frequency, transmitting said continuous electrical wave on the sound-carrier to said other station from said first-named station, demodulating at said other station to obtain thereat said electrical wave, and utilizing the electrical wave so obtained to deflect the scanning ray at said other station at said line frequency.

2,186,635
CATHODE RAY TUBE
Allen B. Du Mont, Upper Montclair, and Alfred J. Hinck, Jr., Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application November 7, 1938, Serial No. 239,330
9 Claims. (Cl. 250—155)



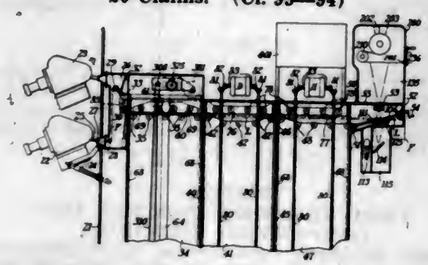
1. In a cathode-ray tube, a tube, means disposed in said tube for developing a ray of electrons, said means including a plurality of electrodes, one of said electrodes at one end thereof being supported in spaced relation and in alignment with respect to an adjacent electrode at the other end of said first-named electrode, said first-named part being free to expand and contract in the direction longitudinally thereof from the supported end of the same, and means engaging said first-named electrode in proximity to said other freely movable end thereof and operating to guide and hold said other end in aligned relation with respect to said second-named electrode.

2,186,636
CATHODE RAY TUBE
Paul Görlich, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application November 10, 1937, Serial No. 173,889
In Germany November 12, 1936
6 Claims. (Cl. 250—162)



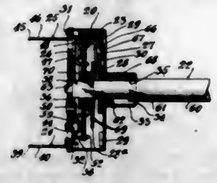
1. A cathode ray tube provided with an envelope and with a partition dividing the tube into a high vacuum chamber and an ionizing chamber, including means within said high vacuum chamber for emitting a beam of electrons, said partition being provided with an aperture for permitting said electron beam to enter said ionizing chamber, the lateral dimensions of said aperture being not larger than the mean free length of travel of the gas molecules in said ionizing chamber so as to prevent a pressure equalization between said ionizing chamber and said high vacuum chamber, said aperture having a conical shape with the larger end directed toward said ionizing chamber, the conical wall of said aperture being effective for reflecting the gas molecules striking the same back into said ionizing chamber.

2,186,637
RAPID PROCESSING MACHINE
Charles H. Green and Ralph E. McAdam, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 20, 1936, Serial No. 111,887
20 Claims. (Cl. 95—94)



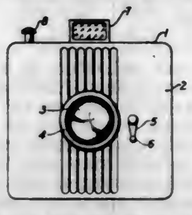
1. An apparatus for processing motion picture film comprising a plurality of closed tanks in consecutive arrangement, a plurality of spaced guide rollers mounted in and near the top of said tanks in alinement with one another whereby a film strip can be fed thereover, a carriage in each of said tanks adapted to be raised above said guide rollers and be lowered below them, a plurality of idler rollers mounted on said carriage in staggered relation with respect to said guide rollers and adapted to engage said film strip and carry it into said tanks in a series of loops when the carriages are lowered, and a door on each of said tanks through which access to the guide rollers therein can be had for threading purposes.

2,186,638
SWITCH CONTACT
Arthur Hall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 13, 1936, Serial No. 79,465
4 Claims. (Cl. 200—171)



2. An electric switch contact comprising an integral sheet metal member comprising a flat, generally rectangular portion, a pair of leaf spring arms extending outwardly and rearwardly from two opposite edges thereof so as to form obtuse dihedral angles therewith, a pair of convex contact face portions joined to the other two edges of said rectangular portion and a pair of parallel plunger arms extending rearwardly from the outer edges of said respective contact face portions, said plunger arms thereby extending substantially perpendicularly to the plane of said rectangular portion.

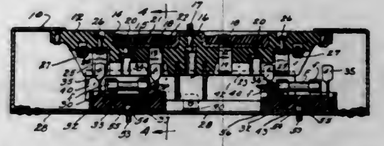
2,186,639
PHOTOGRAPHIC SHUTTER
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 14, 1939, Serial No. 261,712
9 Claims. (Cl. 95—60)



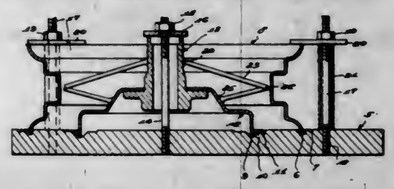
1. In a photographic shutter, the combination with a supporting plate having an exposure aperture therein, a forming around the aperture, a pivotally mounted shutter blade, means for moving the shutter blade relative to the aperture to make an exposure, a forming carried by the shutter blade substantially complemental in shape with the forming around the aperture and adapted to rest therein when the shutter blade is in a position of rest.

2,186,640
SAFETY SWITCH MECHANISM
Joseph F. Jirka and Ralph N. McCurdy, Cleveland, and Ernest Slager, Garfield Heights, Ohio, and Ralph D. Ernest, Dearborn, Mich., assignors to The Powerlite Switchboard Company, Cleveland, Ohio, a corporation of Ohio
Application June 21, 1937, Serial No. 149,402
2 Claims. (Cl. 200—114)

1. In a safety switch, a stationary boxlike frame, an insulation member carried thereby, a plurality of pairs of electrically spaced contacts secured to said member and located within the contour of said member, a cover hinged to said member, a second insulating member carried by said cover and selectively movable to two positions relative thereto, a plurality of pairs of electrically spaced contacts carried by said second named member, a fuse clamp electrically connected with each of said last named contacts and adapted to receive respective ends of a fuse, said last named contacts being arranged and adapted to coact with the first named contacts when the cover is closed and said second-named insulating member is in one position relative to said cover, and to remain out of contact with the first-named contacts when said second-named insulating member is moved to the second position relative to said cover, said clamps and fuses all extending outwardly from the surface of said second named member, said second named member having a groove between each adjacent pair of contacts, insulation means carried by the first named member and arranged and adapted to project into the grooves in the second named member when the cover is closed, whereby each fuse is separated from the other by an insulation member when the cover is closed, but is accessible when the cover is open.

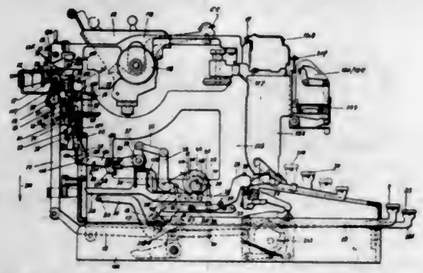


2,186,641
WELDING FRAME
Horace A. Jones, Parsons, Kans.
Application December 16, 1938, Serial No. 246,239
1 Claim. (Cl. 113—99)



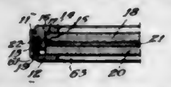
A welding frame for assembling the rim and hub sections of automobile wheels comprising a flat base, substantially rectangular, said base having centered in the upper face thereof an outer series of circular concentric grooves of different diameters and depths, relatively, for seating rims of different sizes edgewise therein, respectively, a second series of concentric circular grooves of different diameters and depths, relatively, smaller than the grooves of the first series and concentric thereto for seating edgewise therein brake drums of hub sections of different sizes, means to secure rim sections selectively in the grooves of the first-mentioned series comprising rods arising from the corners of the base, respectively, outside said series of grooves and having nuts threaded onto the upper ends thereof, sleeves on said rods below said nuts, clamping arms loose on said rods between said nuts and sleeves for extending over a rim section for clamping thereto, said sleeves spacing said arms from said base, and means to selectively secure hub sections in the grooves of said second series comprising a rod upstanding from said base to extend through the hub and having a nut thereon and a washer for clamping by said nut against said hub sections.

2,186,642
TYPEWRITING-CALCULATING MACHINE OR THE LIKE WITH TOTAL-TAKING MECHANISM
Hugo Ernst Kämmel, Zella-Mehlis, Germany, assignor to Mercedes Buromaschinen - Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany
Application December 10, 1935, Serial No. 53,805
In Germany December 11, 1934
6 Claims. (Cl. 235—59)



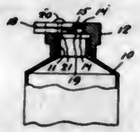
1. In a typewriter calculating machine or the like having a carriage, a tabulating mechanism for said carriage, control members selectively and adjustably arranged on the carriage, a member for initiating a total taking operation, and controlling means for automatically operating the initiating member, said controlling means including a drive member operable by a part of the tabulating mechanism and means controlled by the control members on the carriage to render said drive member effective to operate the initiating member.

2,186,643
MIRROR AND PICTURE FRAME
Isadore Kaplan, Chicago, Ill.
Application August 24, 1938, Serial No. 226,505
3 Claims. (Cl. 40—154)



1. A frame for the display of plates such as mirrors, pictures or the like having display openings in its opposite faces, comprising a first member, the inner side wall and the back of the face portion of which form a recess to receive the edges of the plates, a channel between said inner side wall and the outer side wall of said member, the portion of said side wall which forms the partition between said recess and said channel being of less depth than the outer side wall of said member, the side wall of said member and the face portion thereof joining at a reentrant angle to form a shoulder, a second member of generally L-shaped cross section, the side wall of which enters the channel of said first member and the face portion of which clamps the plates in the recess of said first member, the side wall of said second member having a sufficient width and said second member having an overall dimension sufficiently less than the overall dimension of said first member to produce a shoulder adjacent the end of said side wall of said first member corresponding to the shoulder formed by the juncture of the side wall and face portion of said first member, whereby said first and second members when assembled form a symmetrical two faced frame, and means for securing said members in assembled relation.

2,186,644
CLOSURE FOR COLLAPSIBLE TUBES
Franklin L. Kates, Mount Holly, N. J.
Application September 17, 1938, Serial No. 230,482
7 Claims. (Cl. 221—60)



1. A closure for collapsible tubes, comprising a cap adapted to be tightly fitted on the neck of the tube and having a slot in the top thereof, a slide carried by the cap, normally closing said slot and adapted to partially uncover the latter, and a headed pin passed through the slide, the head of the pin reposing upon the slide and lying substantially flush therewith and utilized to shift the slide, and the shank of the pin cooperating with the cap to permit the slide to uncover the slot a predetermined distance irrespective of the thickness of the neck of the tube.

2,186,645
PROCESS FOR REDUCING MATERIAL CONTAINING ZINC IN SHAFT FURNACES
Hugo Klein, Niederschelden, Germany, assignor to Huttenwerke Siegerland Aktiengesellschaft, Siegen, Westphalia, Germany
Application March 22, 1938, Serial No. 197,479
In Germany November 29, 1937
1 Claim. (Cl. 75—21)



Process for the reduction of zinc-containing material in an iron blast furnace, consisting in smelting a charge consisting of the usual fuel and fluxes and of a mixture of about ⅓ iron ores free from zinc, ⅓ roasted pyrites containing zinc and ⅓ lead slag containing zinc, the blast furnace being charged with said charge as high as the charging apparatus permits, the temperature of air at the point of entrance being maintained at least at 850° C., the temperature of the gases discharged at the throat opening being maintained at least at 300° C.

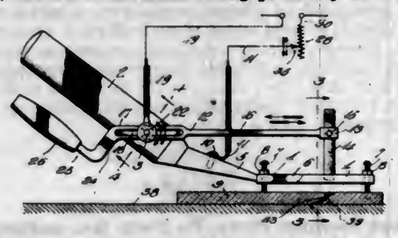
2,186,646
SULPHURIZED OIL
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application February 20, 1939, Serial No. 257,458
6 Claims. (Cl. 87—9)

1. A lubricant comprising in combination a lubricating oil and a small percentage of the sulphurized synthetic ester of a low molecular weight monohydric or dihydric alcohol and a high molecular weight organic acid.

2,186,647
GLASS WELDING APPARATUS
Robert T. Lowd, Jr., and Samuel S. Kay, Miami, Fla.
Application March 31, 1938, Serial No. 199,262
7 Claims. (Cl. 219—21)

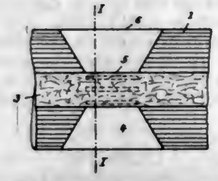
1. In an apparatus of the character described,

companion members of conductive material insulated from each other, one being shiftable bodily along a sheet of glass over a crack therein and having a horizontally elongated arcing surface, the other member being pivotally and slid-



ably mounted for vertical and horizontal movements relative to the elongated arcing surface of the first member and carrying a carbon stick for cooperating with the first member to form an arc for fusing the glass along the crack therein.

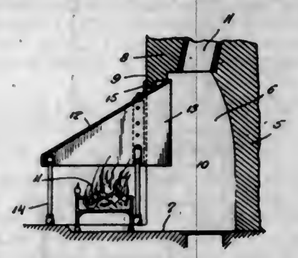
2,186,648
METHOD OF IMPREGNATING STAKES, POSTS, POLES, AND THE LIKE
Walter Ludwig, Konigsberg, Germany, assignor of one-half to the firm of Ostpreussen-werk Aktiengesellschaft, Konigsberg, Germany
Application February 16, 1937, Serial No. 126,049
In Germany February 17, 1936
4 Claims. (Cl. 21—24)



1. A process for the impregnation of fresh, sappy, wood poles, masts or timbers comprising providing air openings near the center of the length thereof and extending substantially completely through the sap wood, then simultaneously forcing impregnating fluid into each end of the pole, driving the sap of the pole out of said openings ahead of said fluid and continuing the introduction of said fluid until it passes out of said openings.

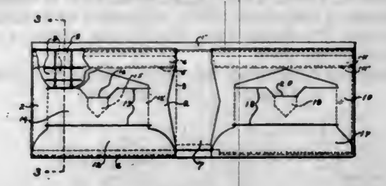
2,186,649
FIREPLACE CONSTRUCTION
Mattie Monroe, Los Gatos, Calif.
Application August 11, 1938, Serial No. 224,372
1 Claim. (Cl. 126—142)

In combination with a fireplace proper having the usual open front fire space with the bottom thereof extending forwardly beyond the front of said fire space, a source of heat disposed upon said bottom exteriorly of and in front of said fire space, a heat radiating hood fitted into the upper portion of the front opening of said fire space and extending outwardly over said source of heat, said hood including a piece of sheet metal bent to provide a flat forwardly and downwardly inclined top wall for conducting the products of combustion from the source of heat upwardly and rearwardly into the upper portion of said recess, and flat opposed side walls depending from the side edges of said top wall, legs depending from said side walls for supporting the hood in spaced relation to and above the bottom of the fireplace, and a flange secured on the exterior of the top and side walls of said hood and arranged to contact the front of the fireplace at



the top and sides of said fire space to limit insertion of the hood into the latter.

2,186,650
BILLFOLD
Louis A. Mueller, Springfield, Ohio, assignor to The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio
Application January 22, 1938, Serial No. 186,346
2 Claims. (Cl. 150—38)

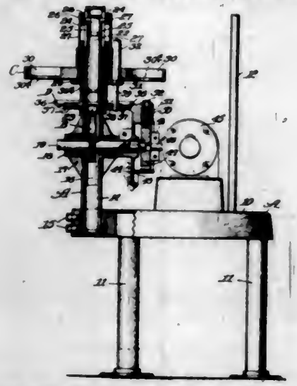


1. In a receptacle such as a billfold, an outer flexible wall, an inner flexible wall member cooperating with said outer wall to provide a compartment extending longitudinally of the billfold and opening along the upper longitudinal edge thereof, an inner pocket wall member, an extension on the upper edge of said pocket wall member, said pocket wall member lying on one side of said inner wall member and said extension on the opposite side thereof when the receptacle is in assembled position, said extension and inner wall member having interengaging parts consisting of an elongated loop on one of said members formed by parallel spaced slits and a tongue on the other member formed by parallel spaced slits arranged at right-angles to the other slits and adapted to be received in said loop to slidably connect said parts together, and means to secure the free end of said tongue to the wall member on which it is formed to form in effect two interlocking loops between said extension and inner wall member.

2,186,651
BOTTLE FILLER AND CAPPER APPARATUS
Carl A. Namur and Charles M. Anderson, Kenosha, Wis., assignors to Specialty Brass Company, Kenosha, Wis., a corporation of Wisconsin
Application November 4, 1936, Serial No. 109,162
6 Claims. (Cl. 226—76)

1. In a device of the character set forth, a frame including an upright standard, a table rotatable about said standard and adapted to carry containers thereon, mechanism for intermittently rotating said table, said mechanism including a gear rotatably mounted on said standard and adapted to remain in fixed vertical

position and including also means for connecting said gear in rotational relation with said table,



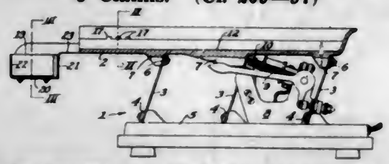
and means for intermittently raising and lowering said table.

2,186,652

VIBRATORY ALIGNER

Howard S. Orth, Clair R. Oberst, and William E. Cramer, Columbus, Ohio, assignors to Industrial Ceramic Products Inc., Columbus, Ohio, a corporation of Ohio

Application November 26, 1937, Serial No. 176,679
3 Claims. (Cl. 209—97)



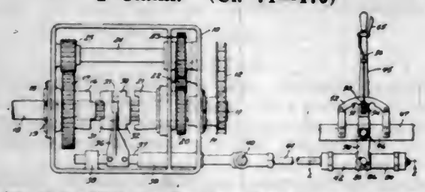
1. Apparatus for handling sagger pins of a predetermined length comprising a table formed with a plurality of longitudinally extending pin-positioning ways, a pin receiver carried by the discharge end of said table, said receiver being spaced from said table to provide a material rejecting gap extending transversely of the apparatus and having a width less and a length greater than the length of the pins to be handled, and means for supporting and vibrating said table and receiver.

2,186,653

CLUTCH-OPERATING MECHANISM

Vincent S. Penote, Euclid, Ohio

Application February 23, 1938, Serial No. 192,091
1 Claim. (Cl. 74—470)



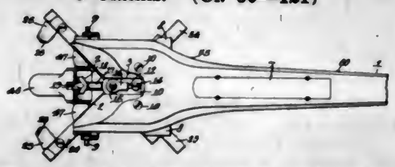
An operating mechanism for a clutch having a movable clutch member adapted and arranged to be moved into and out of engagement with a second clutch member by a reciprocating movement, said mechanism comprising a rod, a connection between the rod and the movable clutch member, said rod having a pair of spaced shoulders, a pair of bearing sleeves mounted on said rod for sliding movement between said shoulders, a compression spring supported by and disposed between said sleeves, a housing for said spring and sleeves, said housing being slidable relative said shaft, means adjustably carried by said tube adapted and arranged to engage respective sleeves when the tube is moved toward such sleeves, and cause such sleeves to compress said spring, a manual operating arm, a pivotal connection between said arm and said tube, and a latch to retain said arm in an adjusted position against the action of said compression spring.

2,186,654

TREE SCARRING DEVICE

George Stamper Perry, Du Pont, Ga., assignor of one-half to Walter Williams, Du Pont, Ga.

Application October 28, 1938, Serial No. 237,538
5 Claims. (Cl. 30—121)



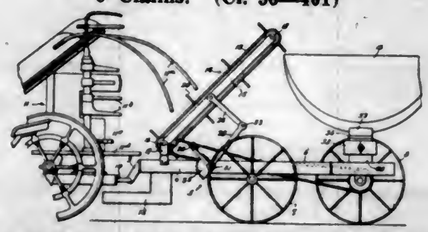
1. In a tree-scarring device, a body, blade carriers mounted for reciprocation on the body, at an angle to each other, inwardly projecting blades on the carriers, means for reciprocating the carriers, to cause the blades to move toward and from the apex of the angle defined by the carriers, said means comprising flexible pull and push elements connected to the carriers, guiding parts for the flexible elements and mounted on the body, and mechanism carried by the body for actuating the push and pull elements.

2,186,655

CORN SHOCKER

Edward H. Rehn, Leelan E. Rehn, and Arnold M. Squire, Lima, Ohio

Application September 25, 1936, Serial No. 102,572
Renewed September 23, 1938
9 Claims. (Cl. 56—401)



1. A corn shocker embodying a wheel-supported frame, an elevator pivotally mounted on the frame, means connected with the elevator for raising and lowering the latter, and a hopper mounted on the frame to receive the bundles from the elevator, and means for mounting the hopper on the frame for swinging movement in a horizontal plane and for tilting movement in a vertical plane.

2,186,656

ELECTRIC EXTENSION CORD PLUG

William Lyle Roeseler, Belton, Mont.

Application August 24, 1938, Serial No. 226,568
1 Claim. (Cl. 173—361)

An electric fixture comprising a plug including a cap portion having a chamber and an opening to permit an electric extension cord to enter said chamber and a plurality of spaced arm portions forming one wall of the chamber and a plug portion integral with said arm portions, said plug portion having a bore extending through one end thereof, a contact strip extending through the bore outwardly of one end of the plug portion and through one side of said plug portion in engagement with the cap portion, a second contact strip inserted in the plug portion and extending outwardly therefrom into engagement with the cap portion, set screws threaded through the contact strips into certain of the arm portions of the cap portion for connecting wires of the extension cord to said contact strips, and an annular contact member mounted on the plug portion and electrically connected to the second-named contact strip.

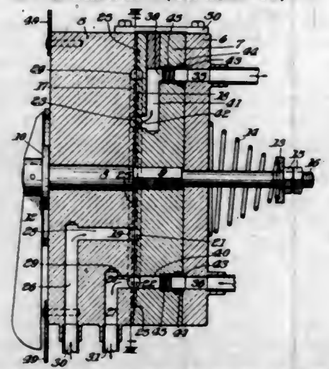


2,186,657

VALVE

George E. Saussure, Pittsburgh, Pa.

Application March 22, 1938, Serial No. 197,429
4 Claims. (Cl. 251—87)



1. In a valve of the character described, the combination with a pair of spaced stationary members, of a member rotatably disposed between and in contact with said members, means for rotating the rotatable member, a pair of concentric fluid passages in one of the stationary members and a concentric series of pairs of fluid ports in the other stationary member, said rotatable member having a pair of fluid passages in communication with the said annular pairs of passages and disposed for register with any of the pairs of ports upon rotation of the rotatable member, and means associated with said passages in the rotatable member for engaging the selected ports in said stationary member to prevent the escape of fluid and retain said passages and ports in register.

2,186,658

ROAD WORKING MACHINE

Edward Scheunemann, Mount Clemens, Mich.

Application December 6, 1937, Serial No. 178,322
9 Claims. (Cl. 37—160)

1. A road working machine comprising a frame having cutter blades therebeneath and transversely thereof, an axle upon which said frame is journalled having crank ends and wheels journalled thereon, an arm, means connecting said arm to said axle for the rotation thereof through a substantial angle whereby said frame may be



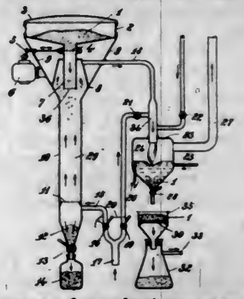
lowered into road working position or elevated to carrying position, said means being adjustable to vary the relationship between the arm and the cranks, and a rack bracket having a plurality of vertically spaced fingers each one of which is adapted to receive and to retain said arm.

2,186,659

MAGNETIC POWDER FOR IRON DUST CORES

Hans Vogt, Berlin-Steglitz, Germany, assignor to Micro Products Corporation, Hastings-on-Hudson, N. Y., a corporation of Delaware

Application July 6, 1937, Serial No. 152,204
In Germany July 17, 1936
6 Claims. (Cl. 148—1)



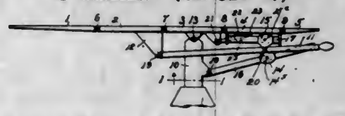
1. In a process of producing magnetic powder, the steps which comprise producing a powdered alloy consisting of iron and about 5% to 15% of silicon, mechanically disintegrating said alloy to magnetic particles of a size less than 0.02 mm., blowing said magnetic particles through a reducing gas flame at a temperature sufficient to melt the particles to spherical form, and cooling down and collecting the particles so obtained.

2,186,660

OPERATING TABLE

Runar Alopaeus, Helsingfors, Finland

Application September 28, 1937, Serial No. 166,180
In Finland October 2, 1936
5 Claims. (Cl. 311—7)



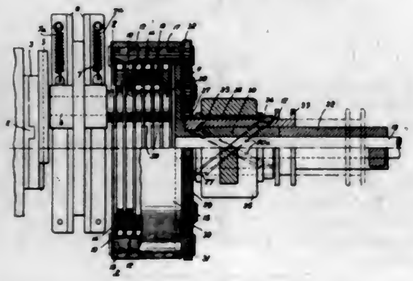
1. In an operating table, a pedestal, a top composed of at least three articulated plates arranged end to end and constructed to support the patient's seat, back and shoulders respectively, the middle one of which is pivotally mounted on said pedestal, an adjusting mechanism common to said three plates and including an operating member pivoted at one end to a second of said three plates and extending beneath the other plates, a rod fixed to the third plate, a second rod pivoted to said pedestal and lying adjacent said first mentioned rod, slide members connected

to said operating member at a fixed point and slidably mounted respectively on said rods, and means to hold at will said slide members from sliding on their respective rods.

2,186,661
CLAY AND METHOD OF MIXING IT WITH WATER
Paul Bechtner and Winfred B. Hirschmann, Chicago, Ill., assignors, by mesne assignments, to American Colloid Co., Chicago, Ill., a corporation of South Dakota
No Drawing. Application December 7, 1936, Serial No. 114,712
4 Claims. (Cl. 252—6)

2. The continuous method of dispersing a difficultly slakable clay below the critical slaking size range in water which comprises producing a running stream of clay with its particles less than 0.02" in diameter and of a size to flow spontaneously out of a slot $\frac{1}{16}$" wide, spreading the clay into a thin layer of such thickness that water can penetrate and thoroughly wet the clay stream before its surface swells and seals off the water, producing a similar thin layer of water, and bringing the stream of clay into contact with the stream of water with both streams flowing in substantially the same general direction.

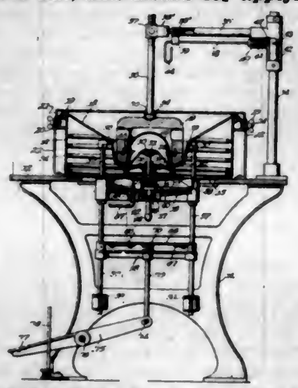
2,186,662
CONTINUOUSLY VARIABLE FRICTION WHEEL CHANGE SPEED GEAR
Martin Berger, Dresden-Freital, Germany
Application August 15, 1936, Serial No. 96,283
In Germany August 16, 1935
11 Claims. (Cl. 74—112)



1. Continuously variable friction wheel gear comprising, in combination, a driving friction wheel having an unvariable diameter, and a driven friction wheel having a variable diameter, the outer surface of the driving wheel engaging the inner surface of the driven wheel and the driven friction wheel including friction shoes forming the rim of the wheel and arms on which said shoes are arranged, said arms being adapted to be shifted in the manner of an iris diaphragm to adjust the diameter of said driven friction wheel.

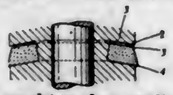
2,186,663
HAT BLOCKING MACHINE
Lemey G. Blount, Little Rock, Ark.
Application June 4, 1938, Serial No. 211,877
24 Claims. (Cl. 223—12)

1. In a hat brim pressing machine, a receptacle open at its upper end, a flexible sheet forming a pressing element extending transversely of said receptacle, means for clamping a hat in upright position on said sheet whereby the sheet will be drawn into pressing engagement with the brim of the hat, and means for applying steam



in the vicinity of the hat brim while the latter is pressed to the flexible sheet.

2,186,664
GLAND OR PACKING
Francis Victor Brown, London, England, assignor to Aircraftings Limited, Gunnersbury, London, England, a company of Great Britain
Original application August 27, 1937, Serial No. 161,329. Divided and this application May 10, 1938, Serial No. 207,144. In Great Britain April 22, 1937
3 Claims. (Cl. 286—7)



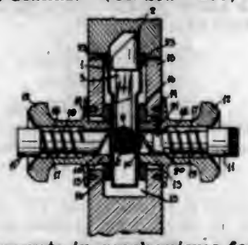
1. A gland or packing for sealing a shaft such as a valve stem in a surrounding body, said shaft having an annular conical recess, an elastic ring moulded to conical shape and with one peripheral edge acutely angled and the other peripheral edge obtusely angled, said ring being inserted into said recess of the shaft and dimensioned so that its obtusely angled edge lies back a little from the mouth of the recess whereas the acutely angled edge stands initially a little proud of such recess and is pressed back into the recess by contact with the inner surface of said surrounding body.

2,186,665
ADVERTISING DEVICE
Luis A. Cabrera, Caracas, Venezuela, assignor of one-fourth to Edmund T. Stewart, New York, N. Y.
Application July 1, 1938, Serial No. 217,075
1 Claim. (Cl. 40—138)



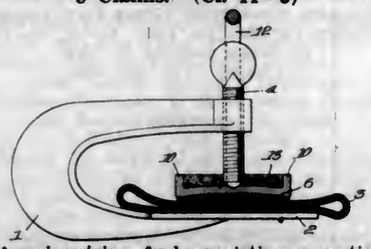
An advertising display including a composite board having a visual display on the exposed top surface thereof, said board comprising united top, intermediate and bottom layers, the intermediate layers having cut-away formations which with the top and bottom layers define a pocket; a dependent essentially freely laterally reciprocable member pivotally mounted within said pocket, sensitive to forces, including gravity and momentum; said top having a window formed therein for, upon occasion, exhibiting parts of said members; and display elements on said member, cooperating with said visual display on the exposed top surface of said board, the said display elements including a visually distinct irregular outline, which when viewed through said window, creates the illusion of motion in a direction different from the direction of motion of said member.

2,186,666
MECHANISM FOR OPERATING LOCKS, LATCHES, AND THE LIKE
José Aurelio Cereda, Buenos Aires, Argentina
Application October 7, 1938, Serial No. 233,863
3 Claims. (Cl. 292—170)



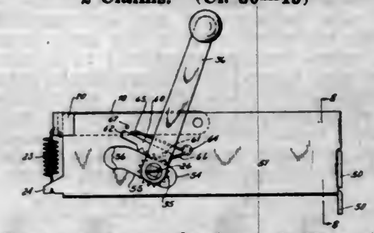
1. Improvements in mechanisms for operating latches for doors, windows and the like applied independently or in combination with common locks including a casing, a latch slidably mounted therein and having the inner portion bifurcated to provide spaced arms, a roller journalled vertically between the arms, at least one tubular handle fixed to the side of the door and positioned laterally of the casing, a knob having its inner shank portion reduced and slidably and rotatably arranged in the handle and having its extreme inner end inclined for direct engagement with the roller on the latch so that on pushing the rod inwardly the inclined surface contacts the rollers and imparts an inward sliding to the latch to retract the latter, a spring arranged about the shank portion of the knob and within the handle for normally holding the handle in an extended position, and co-operative means on the handle and inner shank portion of the knob for guiding the shank portion during the half turn of the knob and a locking of the inclined face in the rear of the roller to prevent at times operation of the latch.

2,186,667
VULCANIZING FUEL
Ralph H. Churchill, Chicago, Ill.
Application June 28, 1937, Serial No. 150,825
8 Claims. (Cl. 44—3)



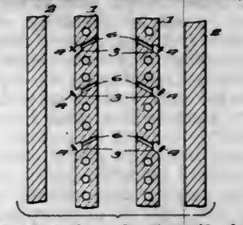
1. A vulcanizing fuel consisting essentially of finely divided iron, substantially all of the particles of which will pass a 60 mesh screen, and a non-metallic accelerator, substantially all of the particles of the iron having a rough jagged surface.

2,186,668
CAN OPENER
William H. Curtis, Cleveland, Ohio
Application January 26, 1937, Serial No. 122,390
Renewed November 30, 1939
2 Claims. (Cl. 30—15)



1. In a can opener having a knife and feed-wheel, a resilient arm which forms a yielding pivotal support for the feed-wheel on which the wheel is journalled and which is adapted to carry the wheel toward and away from the knife, a pinion rigid with the feed-wheel and a rack mounted on the frame for limited movement in the plane of extent of its teeth and engageable by the pinion to carry the feed-wheel toward and away from the knife.

2,186,669
APPARATUS FOR HIGH-VACUUM DISTILLATION
Eric William Fawcett and Godfrey Burrows, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 7, 1937, Serial No. 158,003
In Great Britain August 19, 1936
2 Claims. (Cl. 202—205)

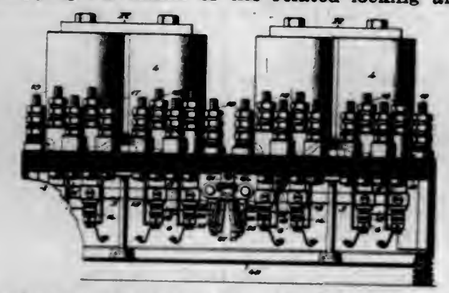


1. In apparatus for short-path high vacuum distillation of volatile substances from less volatile substances in downward flow of a fluent material, a cooled condensing member, a heated distilling member closely spaced from the cool member and presenting vertically extended substantially unobstructed surfaces arranged for flow of a film of fluent distilland thereover by gravity, the distilling member being provided at separate spaced intervals along the height thereof with substantially horizontal grooves extending laterally, and baffles extending along the grooves and extending therein and arranged to pocket and turn over the down flowing film so as to expose new surfaces of the distilland.

2,186,670
INTERLOCKING RELAY
Frederick T. Fereday, Louisville, Ky.
Application July 19, 1939, Serial No. 285,448
8 Claims. (Cl. 200—98)

1. An interlocking relay comprising a pair of

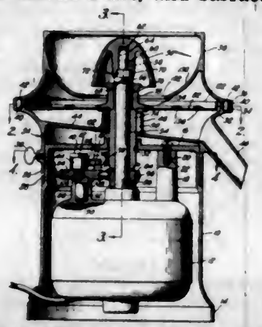
electro-magnets, an armature related to each electro-magnet and disposed to be lifted when its related electro-magnet is energized and to drop when its related electro-magnet is deenergized, a switch arm carried by each armature, a back contact related to each switch arm, each switch arm being arranged to engage its back contact when the related armature drops and to be disengaged from its back contact when the related armature is lifted, a locking arm carried by each armature to be lifted and to drop in harmony therewith, a pair of locking dogs, one related to each locking arm and each pivoted for swinging movement toward and away from the other, means tending constantly to swing each locking dog toward the other, means whereby said locking arms are effective, when lifted by their armatures, to hold said locking dogs, in outwardly swung positions relative to each other, a toe on each locking dog disposed in the path of dropping movement of the related locking arm



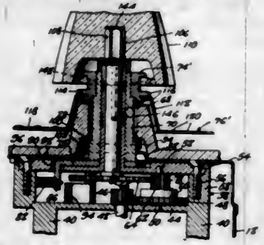
as long as the locking dog remains in an outwardly swung position and effective, when engaged by the related locking arm, to stop dropping of the related armature prior to engagement of the switch arm thereof with its related back contact, said locking dogs being so disposed relative to each other that when either is held in its outwardly swung position by its related locking arm the other, when released by its locking arm, is free to swing inwardly sufficiently to withdraw its toe from the path of dropping movement of the related locking arm, thereby to permit sufficient dropping of the related armature to engage its switch arm with its related back contact, said locking dogs further being so disposed relative to each other that when either is in a released, inwardly swung position it serves to prevent inward swinging of the other, whereby, when the locking arm related to the latter locking dog drops, it is intercepted by the toe of the latter locking dog.

2,186,671
FRUIT JUICE EXTRACTOR
Herbert Fromm, Hamburg, Wis.
Application January 18, 1938, Serial No. 185,605
5 Claims. (Cl. 146—3)

1. In a fruit juice extractor, the combination of a reamer and a vertical, motor driven shaft for rotating the reamer, a circular strainer having drainage perforations positioned beneath the reamer, an oscillatory drive shaft coaxially related to said motor driven shaft connected with the strainer for oscillating the latter about the axis of the motor driven shaft, drive means operatively connecting the oscillatory drive shaft with said motor driven shaft for rapidly oscillating the strainer, said drive means comprising an arm having one end fixedly related to the oscillatary drive shaft, a rotary crank element, an operating link between the other end of said arm and the crank element and an endless element for operatively connecting the crank element with said motor driven shaft, and surface irregularities on the strainer for breaking the solids and advancing the latter in the same direction in a curved path about its axis of oscillation and radially from said axis.

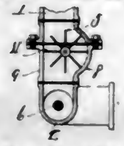


2,186,672
JUICE EXTRACTOR
Herbert Fromm, Hamburg, Wis.
Application September 9, 1938, Serial No. 229,197
7 Claims. (Cl. 146—3)



1. A fruit juice extractor comprising a motor driven gear, a support having an upstanding sleeve, a rotative shaft extending through said upstanding sleeve and having a reamer mount at its upper end, a train of gears operatively connecting the motor driven gear with said rotative shaft, a second sleeve mounted for oscillation on said upstanding sleeve, a strainer carried by said second sleeve for oscillation therewith below the reamer, arms connected with said second sleeve, a cam actuated by one gear in said train of gears and operatively engaging one of said arms for oscillating said second sleeve, and resilient means cooperating with the other of said arms for biasing the said one of said arms against the cam.

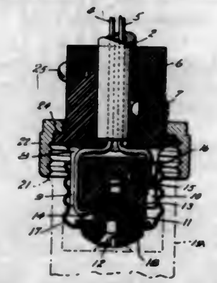
2,186,673
SUCTION DEVICE FOR GASOLINE ENGINES
Susumu Hashimoto, Osaka City, Japan
Application October 25, 1937, Serial No. 170,943
In Japan October 27, 1936
2 Claims. (Cl. 48—180)



1. A suction device for gasoline engines characterized by the fact that within a branch pipe

of the intake manifold which is in communication with the carburettor there is rotatably journaled a vane wheel at right angles to the direction of suction, whereby the vane wheel is made to be subjected to the suction of the cylinder and set in self-rotatory motion for the purpose as specified, said vane wheel comprising a plurality each of alternately disposed radial perforated and imperforated blades.

2,186,674
ADAPTER FOR ELECTRIC FANS
Otto G. Hildebrand and Emil H. Berger, Cleveland, Ohio
Application July 24, 1937, Serial No. 155,493
1 Claim. (Cl. 173—328)



An adapter for securing to a standard lamp socket the non-rotatable shaft of an electric fan, said adapter comprising a body of insulating material having a bore extending thereinto from one end thereof for the reception of the shaft, said bore having a seat for the end of the portion of the shaft inserted thereinto and said body having means cooperating with said bore and the said portion of the shaft for securing the latter in place within the said bore, the said body also having a transverse slot extending thereacross below the seat for the shaft and having longitudinal recesses formed in the sides of the lower portion thereof and which extend downwardly from the said slot, a screw threaded into the lower end of said body and forming a contact adapted to engage the central contact of the lamp socket, the said adaptor comprising also a metallic sleeve secured to the lower portion of the aforesaid body and threaded for engagement with the threads of the lamp socket, and the said adapter having means for electrically connecting to the said sleeve one of the conductors of the fan extending through the shaft and through the transverse slot and into one of the longitudinal recesses of the adapter body, said body also having means for electrically connecting to the said screw the other conductor for said fan extending through the said slot and along the other recess in the lower portion of the said body.

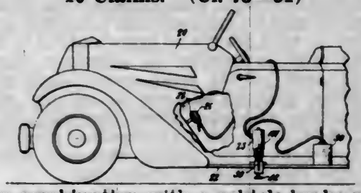
2,186,675
MEANS FOR DRAWING OFF BLAST FURNACE GASES BY SUCTION IN ROASTING, CALCINING, AND DRYING FURNACES
Josef Horak, Eisenerz, Germany
Application February 4, 1939, Serial No. 254,735
In Austria February 19, 1938
2 Claims. (Cl. 263—29)

1. Means for drawing off waste blast-furnace gases by suction in shaft furnaces having open tops for roasting, calcining or drying, comprising a suction grate fitted into the furnace immediately below the open top of the furnace, the said suction grate consisting of tubular hollow bearers formed with suction apertures, and the ends of the hollow bearers being open, and a channel of large cross section surrounding the



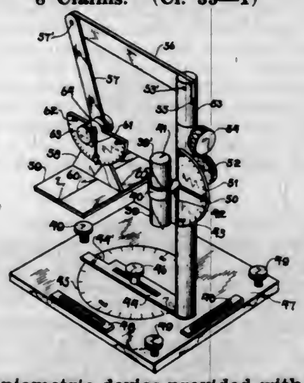
stack and in communication with the open ends of the hollow bearers for producing an equalization of pressure on the entire circumference of the furnace.

2,186,676
VEHICLE VELOCITY CHANGE TESTING
George E. Hull and James G. Christhilf, Baltimore, Md., assignors of one-half to Fred L. Hall, Bergen County, N. J.
Application October 21, 1937, Serial No. 170,280
10 Claims. (Cl. 73—51)



1. In combination with a vehicle brake mechanism, a brake lever, an electric switch carried by said lever and adapted to close a circuit upon application of the brake, an electromagnet and a source of current in said switch circuit, and means actuated upon energization of said electromagnet to mark a surface over which the vehicle travels.

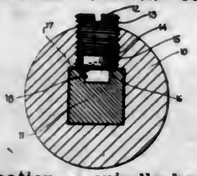
2,186,677
GONIOMETRIC DEVICE FOR DETERMINING THE DIP AND STRIKE OF STRATA FROM BORE-CORE
Frank Humphreys, Klerksdorp, Union of South Africa
Original application June 3, 1936, Serial No. 83,387. Divided and this application May 14, 1937, Serial No. 142,934. In the Union of South Africa September 12, 1935
8 Claims. (Cl. 33—1)



1. A goniometric device provided with a holder for receiving a piece of bore-core, a device for indicating the inclination of the axis of said holder, means for rotating said holder in a vertical plane until the axis of the holder assumes a desired inclination, a device for indicating the magnetic bearing of the axis of said holder, means for rotating said holder until its axis as-

sumes a desired magnetic bearing, and directionally indicative means arranged to be set to a desired magnetic bearing.

2,186,678
KNOB SECURING MEANS
George E. Johnston, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application October 19, 1935, Serial No. 45,744
6 Claims. (Cl. 292—350)



1. In combination, a spindle having a groove, a knob mounted on said spindle, a fastening screw threaded in said knob and terminating in a cutting end slightly greater in diameter than the width of said groove, said screw when rotated home being adapted to have its cutting end cut away sectors of metal from the walls of said groove, whereby to set up increasing pressure between the walls of the groove and said screw, resisting the retraction of the screw.

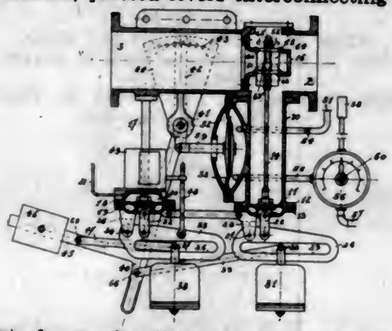
2,186,679
CALENDER ROLL
Archibald C. Lade, Easthampton, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts
Application March 18, 1937, Serial No. 131,620
1 Claim. (Cl. 92—77)



A calender roll of the class described comprising in combination, a rigid, central shaft, disc-like members disposed in adjacency on said shaft, said disc like members being formed of fibrous material and having their outer peripheral portions impregnated with hardened plastic material, and means holding said members in tightly-pressed roll-forming relation on said shaft whereby they present a substantially rigid and unitary peripheral portion having a substantially hard peripheral surface and the roll has a relatively less hard and resilient area around said rigid shaft.

2,186,680
VACUUM HEATING SYSTEM
Jean Lavergne, Paris, France, assignor to "Autocalor", Société Anonyme, Paris, France, a body corporate of France
Application May 2, 1936, Serial No. 77,468
In Belgium May 21, 1935
7 Claims. (Cl. 237—9)

7. A vacuum heating system comprising in combination, a steam-supplying system including distribution pipes and return conduits, vacuum-producing means in communication with said system, a vacuum regulator and a steam-expansion regulator, each of said regulators including a flexible diaphragm in communication respectively with the vacuum-producing means and the steam-supplying system, means actuated by said diaphragms for controlling the vacuum production and steam expansion, a pivoted lever connected to each of said diaphragms for weighting the diaphragms at the sides thereof opposite to the sides in communication with the vacuum producing means and steam supply respectively, each of said levers having an elongated slot extending longitudinally thereof and a counterweight suspended from said slot and movable from end to end thereof, pivoted levers interconnecting said



weights for moving them simultaneously but at different rates along their respective slots thereby to vary the leverage of said slotted levers and the consequent weighting of their associated diaphragms, a third flexible diaphragm connected with said interconnecting levers for oscillating the same, means for supplying liquid pressure to said third diaphragm thereby to set the same to maintain said interconnecting levers at a predetermined position, and means for reducing said liquid pressure.

2,186,681
PIN STEM CATCH OR JOINT
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Application December 20, 1937, Serial No. 180,726
1 Claim. (Cl. 24—157)



A finding for a pin stem for soft solder attachment comprising a base having a bottom wall and upstanding ears forming side walls, said walls being generally of the same thickness, said side walls having an outward bulge adjacent the bottom wall, and said bottom wall being coextensive with the side walls to provide an enlarged solder surface of the bottom wall and a hollowed base, the total soldering area of said base being at least twice the size necessary for a hard solder connection, whereby soft solder may be utilized for connection to the surface desired.

2,186,682
METHOD OF MAKING A PIN STEM CATCH OR JOINT
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Original application December 20, 1937, Serial No. 180,726. Divided and this application August 12, 1938, Serial No. 224,459
2 Claims. (Cl. 29—160.6)

1. The method of forming a safety catch part or joint for a pin stem comprising displacing the metal of a flat sheet of stock by stretching the same substantially perpendicularly to the sheet at spaced locations to provide recesses on one side and bulges on the other, bending the stock



adjacent each of said formations and between them to locate at least a part of the surface of said perpendicularly stretched portions on the same plane with the outer surface of the stock in the space between said stretched portions.

2,186,683
ARTICLE OF HARDWARE
Horace H. Raymond, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application February 11, 1939, Serial No. 255,805
11 Claims. (Cl. 41—34)



8. A handle of the character described, comprising a rigid base member, a securing lug carried at each end thereof and adapted to lie parallel to the surface on which the handle is to be mounted, a relatively thin cover member overlying the outer face of said base member and having a bottom plate adapted to underlie said lugs, said cover member having an opening therethrough intermediate of said bottom plate, an end plate extending vertically from said bottom plate and adapted to engage the under surface of said cover member for positioning said members relative to one another, and a decorative strip interposed between said members and held in place thereby in alignment with the cover member opening.

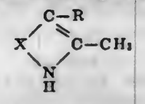
2,186,684
IMITATION TILE TRIM
George Ritter, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application June 22, 1939, Serial No. 280,455
8 Claims. (Cl. 72—18)



1. An imitation tile trim for a wall structure formed of wall board or imitation tiling, comprising a strip of molded plastic material having a front face simulating tile, a rear face, an edge for contacting the face of the wall, a lug on the rear face parallel to and projecting rearwardly beyond said edge for contacting an edge of the wall, and nail bosses spaced along the rear face of the trim and projecting rearwardly a distance not less than the thickness of the wall, said lug functioning to position the trim along the edge of the wall, said nail bosses functioning to space the trim from the wall backing and to take the nailing load.

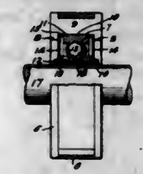
2,186,685
PHOTOGRAPHIC COLOR PICTURE
Wilhelm Schneider and Hans Loleit, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application April 3, 1939, Serial No. 265,759. In Germany April 9, 1938
8 Claims. (Cl. 95—6)

1. In a process of producing photographic color pictures by dyestuff forming development, the step which comprises causing as the dyestuff former a compound of the general formula



wherein
R is a member selected from the class consisting of hydrogen, alkyl, aryl, aralkyl, carboxyl, esterified carboxyl, and aminated carboxyl and
X is a member selected from the class consisting of vinylene, substituted vinylene, phenylene, and substituted phenylene,
to react with the oxidation product of an aromatic developer.

2,186,686
BEARING MOUNTING
Charles F. Stanley, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application November 10, 1936, Serial No. 110,075
3 Claims. (Cl. 308—184)



1. In a bearing mounting, a block of rubber having a bearing receiving opening therein, said block having radially inwardly extending projecting portions at the ends of said bearing receiving opening, a bearing in said bearing receiving opening and including an outer bearing ring fitting within said opening, an inner bearing ring, anti-friction bearing members interposed between said bearing rings, and seal means within said bearing receiving opening and abutting said outer bearing ring, said block of rubber being divided whereby said bearing receiving opening may be enlarged to facilitate assembly of said bearing and seal means therewith, and a housing member for said block of rubber to hold the same in assembled relation with said bearing.

2,186,687
LIQUID PHENOL-FORMALDEHYDE RESIN COMPOSITION

Wesley R. Thompson and William E. Flood, Metuchen, N. J., assignors to Catalin Corporation of America, a corporation of Delaware
No Drawing. Application February 1, 1938, Serial No. 188,066
8 Claims. (Cl. 260—30)

1. A liquid resin composition which will not harden at room temperatures but will harden relatively rapidly at elevated temperatures, comprising the reaction products resulting from reacting at least 1.5 mols of formaldehyde and one mol of phenol in the presence of an alkaline catalyst and subsequently rendering the solution slightly acid and dehydrating, and about 1% to 8% of phosphoric acid.

2. A liquid resin composition which will not harden at room temperatures but will harder relatively rapidly at elevated temperatures, comprising an acidic phenol-formaldehyde liquid resin; which has been produced by condensation of at least 1.5 mols of formaldehyde and 1 mol of phenol with an alkaline catalyst, subsequently acidified, dehydrated, and thinned with ethyl alcohol which has a retarding effect up the resin setting at room temperatures; a filler and about 1% to 4% phosphoric acid.

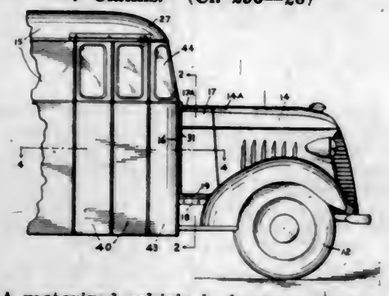
2,186,688
PRODUCTION OF HYDROCARBON-OXYGEN COMPOUNDS

John Charles Walker, Bartlesville, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
Application June 18, 1935, Serial No. 27,202
In Rumania and Mexico, May 17, 1927
6 Claims. (Cl. 260—604)

1. A process of treating a normally gaseous olefin hydrocarbon to produce valuable liquid products, which comprises subjecting the olefin at temperatures in the range of 550° to 1000° F. to the action of a mixed solid catalyst comprising aluminum phosphate together with an oxide of a heavy metal belonging to groups 1 and 2 of the periodic table.

2,186,689
VEHICLE BODY STRUCTURE

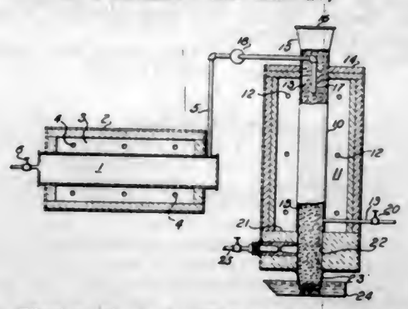
Herbert C. Wendt, Wilson, N. C., assignor to Hackney Brothers Body Company, Wilson, N. C., a corporation of North Carolina
Application October 3, 1938, Serial No. 233,002
7 Claims. (Cl. 296—28)



1. A motorized vehicle body comprising a substantially flat faced frontal wall erected crosswise upon a pair of longitudinal chassis beams and which wall has an opening in the lower medial region thereof, a perimetric portion of said opening being provided with a flange extending lengthwise of the body and the upper wall region being equipped with a rectangular windshield having a transverse sill edge, compensating diaphragm means including a brim flange portion inset into and arranged to telescopically nest within the first named flange and which nested flanges are slip jointed, said diaphragm means being disposed in substantial planiform alignment with the aforesaid sill edge, and a tunnel shaped cowl disposed to bridge said beams and located forwardly adjacent to such slip jointed diaphragm in cooperative relationship therewith.

2,186,690
METHOD OF PRODUCING A CARBURIZING GAS

Franklin D. Widner, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application July 8, 1937, Serial No. 152,626
3 Claims. (Cl. 148—17)



1. That method of utilizing a hydrocarbon gas to produce a carburizing gas for carburizing steel articles which comprises first reacting said hydrocarbon gas with incandescent charcoal, admixing the gaseous products of such reaction with a diluent comprising carbon monoxide, and then utilizing the resulting mixture of gases as an atmosphere for said articles.

2,186,691
PROTECTIVE COATING FOR FRUITS

Thomas R. Belzer, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 10, 1938, Serial No. 245,037
2 Claims. (Cl. 99—168)

1. A protective coating for fruits and the like, comprising a suitable wax and N—N' dichloro-azodicarbonamidine.

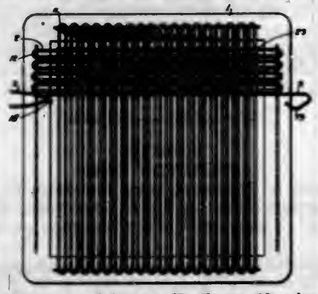
2. A material for protectively treating the surfaces of fruits and the like, comprising a suitable wax emulsion and N—N' dichloro-azodicarbonamidine.

2,186,692
METHOD OF AND APPARATUS FOR HAND WEAVING

Maxwell J. Boyer and Nellie E. Boyer, Lakeland, Fla.
Application February 18, 1939, Serial No. 257,064
3 Claims. (Cl. 139—34)

1. A hand loom comprising a relatively small rectangularly shaped frame having slots in the upper surfaces of the side and end members, and combs with backs and outwardly extending teeth providing yarn holding pins positioned with the backs of the combs frictionally held

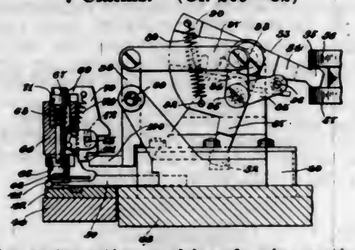
in the slots and with the teeth extending outward from the face of the frame, the combs being shorter than the distance between opposite frame members and the end tooth of each



comb being spaced inwardly from the inside surface of the adjoining frame member whereby fringe is formed on the margins of the fabric by strands extending between opposite combs.

2,186,693
SLIDER INSPECTING MACHINE

Samuel L. Bradbury, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application April 10, 1935, Serial No. 15,732
Renewed May 26, 1939
7 Claims. (Cl. 209—82)



1. An automatic machine for inspecting sliders for slide fasteners, including means for positioning a series of sliders successively in a carrier, releasable means on the carrier for holding said sliders in said carrier, means for intermittently moving said carrier to position said sliders successively at a series of gauging stations, a gauge at each station for inspecting each slider, automatic means for releasing said holding means if the slider is bad and ejecting such sliders from the carrier at each station, and automatic means for releasing said holding means and ejecting good sliders from the carrier after they have been inspected at all of the stations.

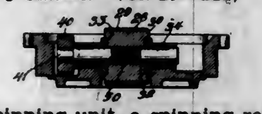
2,186,694
PROCESS FOR THE MANUFACTURE OF COMPLEX GOLD COMPOUNDS OF ALBUMOSE-LIKE KERATIN DEGRADATION PRODUCTS CONTAINING SULPHHYDRYL GROUPS

Adolf Feldt, Berlin-Charlottenburg, and Karl Schöllkopf, Berlin-Dahlem, Germany, assignors to Schering Aktiengesellschaft, a corporation of Germany
No Drawing. Application June 10, 1937, Serial No. 147,492. In Germany June 12, 1936
9 Claims. (Cl. 260—113)

1. Process for the manufacture of complex water-soluble gold compounds of albumose-like keratin degradation products, containing sulphhydryl groups, wherein keratin substances are subjected to acid hydrolysis until the keratin substance has just passed into solution, with use of reducing agents and subsequent neutralization of the excess acid employed for the hydrolysis, and thereafter the hydrolysate thus obtained is caused to react with a gold compound without previous evaporation.

2,186,695
DRAFTING UNIT

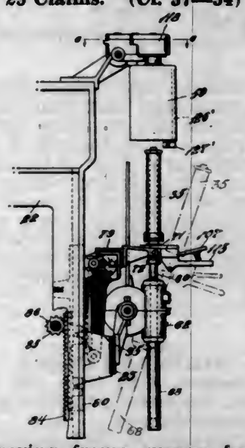
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application February 26, 1937, Serial No. 127,890
3 Claims. (Cl. 19—141)



1. In a spinning unit, a spinning roll, an axle fixed thereto to rotate therewith, said roll having recesses in its opposite ends with bearing surfaces having the axis of the roll as a center, non-rotatable members in said recesses having a loose fit on said axle providing a bearing for the roll and also having a bore providing a bearing for the axle fixed to said roll, and means on said axle for driving the same.

2,186,696
ROVING FRAME

Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application April 19, 1937, Serial No. 137,683
25 Claims. (Cl. 57—54)



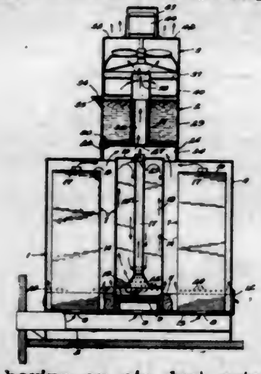
1. In a roving frame, means for rotating a spindle, a spindle driven by said means for rotating a bobbin, said spindle being axially movable relative to said means, means for moving said spindle axially relative to said means, and manual means for individually disconnecting said spindle from said moving means therefor to lower said spindle and the bobbin thereon.

2,186,697
AIR CONDITIONING APPARATUS

William R. Hildebrand, Chicago, Ill.
Application February 26, 1937, Serial No. 127,957
9 Claims. (Cl. 261—14)

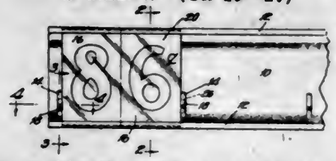
1. Air conditioning apparatus comprising a

heater, a humidifier removably supported thereby, a blower, and means on the heater and humidifier for interchangeably supporting the blower, said humidifier comprising a water re-



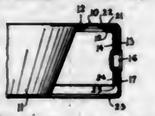
ceptacle having an air duct extending therethrough, said duct having an opening communicating with the receptacle and through which water vapor may pass from the receptacle into the air duct.

2,186,698
PRICE TICKET PROTECTOR
Leo Hopp, New York, N. Y.
Application April 6, 1939, Serial No. 266,342
2 Claims. (Cl. 40—17)



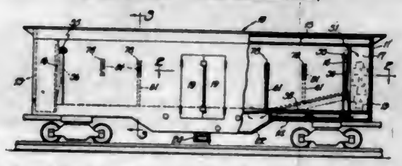
2. In combination with a price ticket channel including a main body portion, ticket retaining flanges and looped lugs extending inwardly from the body portion of said channel, a price ticket protector comprising a sheet of transparent material adapted for reception within said price ticket channel with two of its edges behind the said ticket retaining flanges and a tab projecting from each of opposite sides of the transparent sheet for engagement with the looped lugs to secure the transparent sheet in position in the price ticket holder.

2,186,699
MULTIPLE PAN SET
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1938, Serial No. 191,644
3 Claims. (Cl. 53—6)



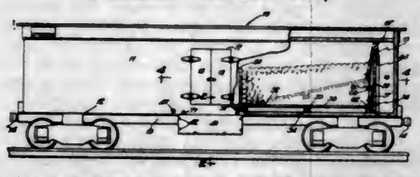
1. In a multiple pan set, a plurality of pans, a substantially flat sheet metal frame for mounting and uniting said pans in spaced relationship, the periphery of said frame being bent downwardly to create a flange, a brace having a vertically disposed portion in contact with the inner surface of said flange and a laterally disposed portion in abutment with the underside of said frame, a clamping strap surrounding the outer surface of said flange and having portions in overlying relation to a portion of the frame adjacent to said flange and in underlying relation to the lower limits of said flange and the brace enclosed thereby, means for securing said brace, flange and strap in rigid assembly, and tying means extending between transversely aligned rows of said pans and in abutment with the underside of said frame, and secured thereto.

2,186,700
RAILWAY CAR
Albert A. Johnson, Kew Gardens, N. Y.
Application July 15, 1937, Serial No. 153,723
4 Claims. (Cl. 105—243)



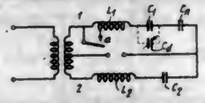
1. A railway car comprising in combination, an enclosed car body, intermediate walls adjacent the end walls of the car body, a fixed apron member mounted centrally of said car body and having a discharge outlet therein, floor units having their inner ends fulcrumed at opposite sides of said apron member and their other ends disposed closely adjacent the respective intermediate walls, the intermediate walls of said enclosed car body having curved portions, the curvature of said curved portions being on an arc concentric to the fulcrum points of the respective floor units, means for normally supporting said floor units on a horizontal plane, and means connected to the outer free ends of said floor units for raising and supporting the same in a position inclined toward said apron member.

2,186,701
GRAVITY UNLOADING RAILWAY CAR
Albert A. Johnson, Kew Gardens, N. Y.
Application May 26, 1938, Serial No. 210,220
8 Claims. (Cl. 105—257)



1. In a railway car, a car body, an outwardly and downwardly inclined chute extending transversely of said car body having its inlet end opening through the bottom of said car body and its discharge end opening at a side of said car body, opposed upper and lower coacting hinged gate closures mounted adjacent the outlet end of said chute, each of said gate closures including a plurality of spaced parallel arms, the arms of one gate closure being staggered with respect to the arms of the other gate closure to enable the same to freely pass during pivotal movement to open and closed positions, recesses provided in the bottom wall of said chute to receive and countersink the arms of the lower gate closure when in fully open position, individual actuating means for said gate closures, and individual releasable latch mechanism for holding the individual actuating means in various positions of adjustment.

2,186,702
METHOD OF SELECTIVE TUNING
Karl Heinrich Krambeer, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt-Berlin, Germany, a corporation of Germany
Application April 13, 1937, Serial No. 136,516
In Germany April 9, 1936
4 Claims. (Cl. 178—44)



1. The method of selective tuning of a band-pass filter of an oscillatory circuit to filter out undesired transmission signals with means to bring the signal ratio and the impedance of the tuning means into resonance with a desired frequency to be transmitted, including the steps of applying current to said band-pass filter which has a frequency equal to its mid-band, said band-pass filter having a plurality of resonance branch circuits that determine the frequency band passed by said filter, inserting a reactance element in at least one of said resonance branch circuits, tuning to resonance the branch circuit which has the inserted reactance element at a frequency of the applied current so that upon removal of said inserted reactance element the branch circuit affected thereby is tuned to the proper frequency ratio of signal desired to be transmitted.

2,186,703
ELECTRICAL CONNECTION FOR ELECTRIC SIGNS
Harry L. Kresge, New York, N. Y.
Application February 7, 1939, Serial No. 255,019
2 Claims. (Cl. 173—328)

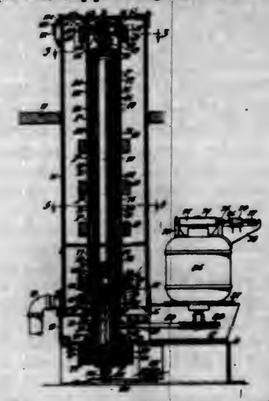


2. A bushing for illuminated electric signs comprising a hollow cylindrical body, a rigid arm extending from one end of the hollow cylindrical body and having its free end spaced an appreciable distance from the body portion, an electrical contact member carried by said arm adjacent the free end thereof, a flexible electric conductor in the form of a compressible coiled spring connected at one of its ends to said electrical contact member and extending from the outer end of the arm towards the hollow cylindrical body and having its other end free for electrical connection with an electric sign electrode, and means for suspending said electrical conductor from said arm, said conductor suspending means comprising a separated inverted U-shaped member slidably mounted upon the arm and having its legs rigidly connected to one of the convolutions of the coil spring conductor in electrical circuit therewith.

2,186,704
CENTRIFUGAL EXTRACTOR
Royal Little, Providence, and Freeman W. Fraim, Cranston, R. I., and John F. Tholl, Needham, Mass., assignors to Atlantic Rayon Corporation, Providence, R. I., a corporation of Rhode Island
Application January 28, 1937, Serial No. 122,818
11 Claims. (Cl. 210—71)

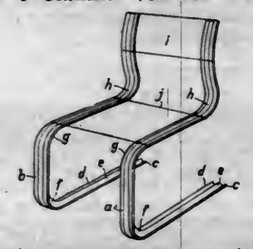
1. In a centrifugal extractor, the combination

of a basket having an axially-extending spindle, a hollow holder mounted on said spindle for supporting a group of textile packages in axial alinement, said spindle supporting the holder through-



out its length, a removable two-part liner in contact with the inner wall of the basket and having spaced longitudinal ribs engaging the periphery of the packages, and means for rotating the basket.

2,186,705
ELASTIC SUPPORT FOR PIECES OF FURNITURE
Anton Lorenz, Berlin, Germany
Application October 29, 1936, Serial No. 108,200
In Germany November 1, 1935
9 Claims. (Cl. 155—50)

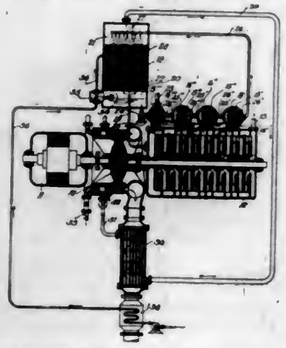


1. An article of furniture comprising a support, a seat member carried by said support, said support including two side portions, one on each side of the chair, each side portion having a front leg merging at its upper and lower ends by turns into rearwardly extending arms, the lower arm forming a ground-engaging base, each of said side portions being formed of a continuous substantially flat strip of sheet material, and reinforcing corrugations provided in the material of each strip, said corrugations extending through said turns and throughout substantially the length of the leg and the arms, and the crest of said corrugations substantially extending in longitudinal direction of the strip.

2,186,706
COMBUSTION ENGINE AND A METHOD FOR THE OPERATION THEREOF
Michael Martinka, Duisburg, Germany
Application November 14, 1934, Serial No. 753,068
In Germany November 14, 1933
11 Claims. (Cl. 60—42)

1. In a method for the operation of a plant comprising a combustion engine and a compressor driven by said combustion engine for the pro-

duction of a compressed gaseous medium to be introduced into the combustion chamber of said combustion engine, the steps of compressing the gaseous medium to a predetermined pressure, transferring the heat of compression into a liquid cooling medium by indirect heat-exchange, mixing the liquid cooling medium carrying the heat of the compression with the compressed gaseous medium discharged from the compressor, evaporating a part of said heated liquid cooling medium in presence of said compressed gaseous medium



at a temperature below the temperature pertaining to the boiling point of said liquid medium at the pressure determined by the pressure of the compressed gaseous medium and cooling thereby the remaining part of the heated liquid cooling medium to cooling temperature, conducting the mixture of gaseous medium and vapors thus obtained into the combustion chamber of the combustion engine, and using again the cooled liquid cooling medium for the reception of the heat of compression.

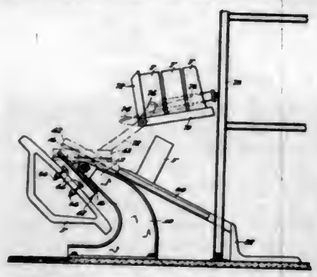
2,186,707
THERMOCOUPLE STRUCTURE
William A. Ray, Glendale, Calif.
Application February 8, 1939, Serial No. 255,285
7 Claims. (Cl. 136—4)



1. A thermocouple structure comprising a pair of elongated elements of semicylindrical shape in cross section and disposed in spaced relation with their plane surfaces adjacent, said elements being composed of thermoelectrically dissimilar metals, and a hollow metallic member surrounding said elements and spaced therefrom throughout their length, the adjacent portions at one end of said elements and of said member being rigidly joined together to form a hot junction.

2,186,708
APPARATUS FOR SUPPORTING ARTICLES DURING WELDING
Charles A. Richardson, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 22, 1936, Serial No. 91,895
6 Claims. (Cl. 29—89)

1. Apparatus for supporting a railroad car truck frame or the like during assembly welding thereof comprising a pair of C-shaped side frames, having relatively narrow upper arms, a table supported on a horizontal pivot between the side frames at the ends of the upper arms thereof, arcuate gear means secured to the underside of the table, means journaled by the side frames and operatively engaging with the arcuate gear means, reversible power means mounted by the side frames and adapted to drive the means journaled on the side frames to control the angle of the table with the horizontal, a turret, a stud pivotally securing the turret to the table for ro-



tary movement in a plane parallel to the table, gear means secured to the turret, means journaled by the table and operatively engaging with the gear means secured to the turret, power means carried by the table and adapted to drive the means journaled on the table and engaging with the gear means secured to the turret to control the rotary position of the turret on the table, and means on the turret for securing a truck frame thereto.

2,186,709
CELLULOSE PRODUCT
Ben W. Rowland, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application August 31, 1936, Serial No. 98,735
3 Claims. (Cl. 92—21)

1. An absorbent paper product of the group consisting of towels, napkins, and diapers, comprising essentially rosin-alum sized cellulose fibers having incorporated therewith an oil emulsion of a phospholipoid, said phospholipoid being present in amounts between approximately $\frac{1}{10}$ of one per cent and 2 per cent based on the weight of the dry fiber, said product being substantially free for hardening and loss of absorbency caused by aging of said sized cellulose fibers.

2,186,710
STEEL ALLOY
Paul Schafmeister and Eduard Houdremont, Essen, Germany, assignors, by mesne assignments, to Krupp Nirosta Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 19, 1929, Serial No. 393,835. In Germany June 26, 1929
4 Claims. (Cl. 75—128)

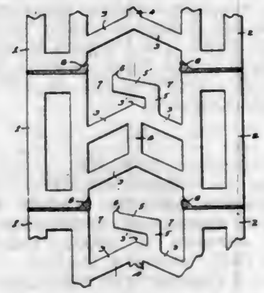
1. An article of welded construction for use in the chemical and metallurgical fields which, without being annealed after welding, stubbornly resists intergranular corrosion within the zone tempered by the welding operation when subjected to corroding media, and which is made of a stable austenitic alloy composed of approximately 18–25% chromium, approximately 7–12% nickel, a small proportion of carbon and an additional alloy constituent having the property possessed by titanium of forming a stable chemical compound with the carbon of said alloy, the ratio of said additional alloy constituent to the carbon being such that practically the whole of the latter is bound thereto, the balance being substantially all iron.

2,186,711
APPLICATOR
Lawrence Schleicher, Los Angeles, Calif.
Substitute for abandoned application Serial No. 620,910, July 5, 1932. This application June 5, 1934, Serial No. 729,147
6 Claims. (Cl. 128—230)



6. An applicator tube of the class described having a floating piston in its bore, abutments in the bore at opposite limits of movement of the piston, said tube being open at each end, and means at each end for selective attachment to a collapsible container.

2,186,712
BUILDING BLOCK
Alfred H. Stamm and Harry S. Barton, Peoria, Ill.
Application January 18, 1939, Serial No. 251,461
9 Claims. (Cl. 72—41)



1. A building block including in its construction spaced portions forming the inner and outer portions of a building wall, a bridging connecting the inner sides of said spaced portions, part thereof having an upper surface sloped from a highest point to a lowest point at its junction with said outer portion, and a guard erected on and integral with the wall at the said upper surface thereof between the high point of said wall and said outer portion, the terminal of said guard being extended over and beyond and overhanging the said high point and projected toward the named inner portion.

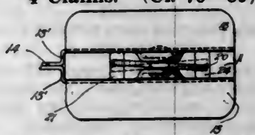
2,186,713
CUPRIC CELLULOSE IMPREGNATED AND COATED FABRIC
Clarence B. White, Montclair, N. J.
No Drawing. Application February 10, 1937, Serial No. 125,033
7 Claims. (Cl. 8—123)

1. The steps in the method of fabricating an impregnated and coated cellulosic fiber material, comprising thoroughly impregnating the cellulosic fiber material with a soluble copper salt, drying the impregnated material, passing the material through an alkali insolubilizing bath, washing and drying the material, and passing the dried material through a solution of ammoniacal cupric oxide.

2,186,714
PLASTICIZING POLYMERIC ORGANIC SULPHIDES
Mortimer A. Youker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1937, Serial No. 170,394
23 Claims. (Cl. 260—33)

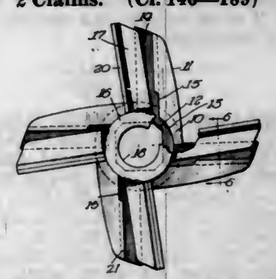
1. The method of decreasing the resistance to flow of a polymeric organic sulphide of the character obtained by the reaction of an inorganic sulphide on an aliphatic dihalide having the halogens on separate carbon atoms which aliphatic dihalide is of the group consisting of aliphatic dihalides consisting of the elements carbon, hydrogen and halogen and aliphatic dihalides consisting of the elements carbon, hydrogen, oxygen and halogen in which the oxygen, when present, is the oxygen of a hydroxy or ether group, which comprises subjecting the polymeric organic sulphide to the action of about 0.05% to about 1% of a member of the group consisting of thio-phenols and thio-alcohols and of about 0.05% to about 1% of a member of the group consisting of thiuram disulphides, diaryl disulphides and arylene thiazyl disulphides.

2,186,715
KNIFE SHARPENER
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application December 31, 1937, Serial No. 182,841
4 Claims. (Cl. 76—89)



1. A knife sharpener including a support having spaced upright walls, a shaft extending transversely thereof, a sharpening disk loosely mounted on said shaft, a slot in said walls defining a pair of transversely aligned edges in overlapping relation to said disk, one of said edges and the edge of said disk conjointly forming a sharpening recess, and means presenting a surface inwardly of said walls against which said disk is maintained in spaced relation to the inner limits of said walls while permitting tilting of the disk comprising an inwardly pressed boss in each of said walls.

2,186,716
CUTTER FOR MEAT GRINDERS
Charles W. Dieckmann, Chicago, Ill.
Application September 11, 1937, Serial No. 163,349
2 Claims. (Cl. 146—189)



1. A cutter for a meat grinder, comprising a spider consisting of a hub with mounting means

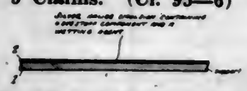
therefor, and a plurality of arms extending substantially radially from the hub and embodying in their rear faces longitudinal grooves extending inwardly from the leading edges of the arms to the central portions of said arms and from the outer extremities of the arms to the hub and having flat bottom faces extending at an acute angle with respect to the plane of the rear face of the hub and also having straight full length shoulders along their rear portions, a detachable unitary knife consisting of a hub fitting against said rear face of the spider hub and a plurality of blades connected to and extending substantially radially from said knife hub and having the leading margins thereof shaped to present cutting edges and their trailing margins extending angularly with respect to the knife hub and fitting flatly in the grooves and against said shoulders, and sole means for releasably securing the knife in assembled relation with the spider comprising elongated lips connected to the spider arms and positioned along and in overhanging relation with the outer portions of the shoulders and so as to engage directly and frictionally the rear faces of the trailing margins of the blades, said knife being attachable to the spider by placing the hub thereof against said rear face of the spider hub and the blades in substantially lapped relation with the spider arms and then pressing the blades towards the spider arms and at the same time rotating the knife relatively to the spider so as to cause the trailing margins of the blades to snap under the lips into proper seated relation with said grooves and lips.

2,186,717

PRODUCTION OF COLORED PHOTOGRAPHIC PICTURES

John Eggert, Leipzig-Gohlis, and Alfred Fröhlich, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

Application April 4, 1936, Serial No. 72,714
In Germany April 12, 1935
5 Claims. (Cl. 95—6)



1. A gelatino-silver-halide emulsion containing a dyestuff component capable of forming a dye with a developer adapted for color development, said dye component although soluble in aqueous photographic developing solutions being of such molecular constitution that it is incapable in such dissolved form of diffusing in gelatine in any photographic treating bath, said dyestuff component being present in the emulsion in a finely dispersed state in an amount ranging from 5 to 30 grams per kilogram of emulsion, said component being finely dispersed in the gelatine by the use of 2 to 20 grams of a wetting agent per kilogram of emulsion.

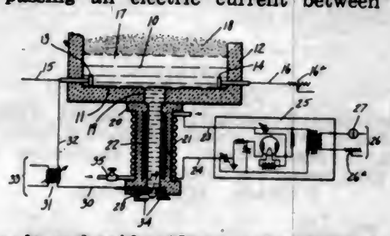
2,186,718

FEEDER FOR GLASS FURNACES AND METHOD OF FEEDING GLASS

John Ferguson, Cleveland, Ohio

Application August 26, 1937, Serial No. 160,983
5 Claims. (Cl. 49—55)

4. In combination with a glass melting furnace, a discharge spout receiving a stream of molten glass from said furnace, a member having a discharge orifice receiving glass from said spout, said member being formed of an electricity conducting material, an electrode in contact with the molten glass in said furnace, means for passing an electric current between said



electrode and said orifice member through said glass, and means for cooling the glass passing through said spout.

2,186,719

PHOTOGRAPHIC SILVER HALIDE EMULSIONS

Alfred Fröhlich and Wilhelm Schneider, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application November 18, 1937, Serial No. 175,285. In Germany December 18, 1936
11 Claims. (Cl. 95—6)

1. A silver halide emulsion for color photography containing a dyestuff component for color forming development having attached thereto by an acid amide linking a group having at least two organic rings, one of which at least is hydrogenated said group being capable of rendering said dyestuff component fast to diffusion in said silver halide emulsion.

2,186,720

MAST HEAD

William John Edwards, Wichita Falls, Tex.

Refiled for abandoned application Serial No. 507,909, January 10, 1931. This application May 18, 1937, Serial No. 143,394
5 Claims. (Cl. 254—139)



1. A crown block including a pair of caps, a flexible cushion mounted upon each of said caps, a cylindrical casting conformably receiving said caps and cushions, bearings mounted upon said castings and carrying a shaft, a series of sheaves mounted upon said shaft, standards supported upon said bearings whose upper ends are offset relative to the axis of said shaft, a shaft carried by the upper ends of said standards, a sheave mounted upon the last-mentioned shaft, and means carried by said caps and cylindrical castings to lend to the flexibility of said cushions.

2,186,721

COLORED SURFACE COATING

Lurelle Guild, Darien, Conn.

No Drawing. Application November 5, 1937, Serial No. 172,903
2 Claims. (Cl. 204—1)

1. The method of producing an ornamental or decorative article which comprises forming a heavy metal such as copper to substantially

the ultimate shape, spraying molten aluminum on the metal in a manner to provide an uneven porous surface, utilizing the aluminum covered metal as an anode in an electrolytic bath to superpose an anodic oxide film on the surface produced by spraying, and applying dye-containing solution to the treated surface whereby variegated coloring is produced due to the character of the surface.

2,186,722

DIAZONIUM COMPOUNDS AND PROCESS OF MANUFACTURING THE SAME

Ivan Gubelmann, Wilmington, Del., and John M. Tinker, Penns Grove, and Louis Spiegler, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1938, Serial No. 184,566
8 Claims. (Cl. 260—141)

1. The process which comprises adding a nitrating agent to a reaction medium containing an acid of the group consisting of hydrofluoric acid of 75% to 100% strength and sulfuric acid of 75% to 100% strength, said medium having dissolved therein a compound represented by the formula

$$\text{Aryl—N}_2\text{R}$$
$$\text{X}$$

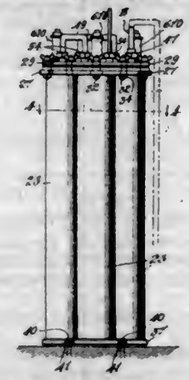
in which Aryl is the radical of one of the group consisting of benzene and naphthalene, X is one of the group consisting of hydrogen, saturated aliphatic alkyl and alkoxy radicals having 1 to 5 carbons and halogen, and R is the anion of one of the group consisting of hydrofluoric acid, mono-, di-, and tri-sulfonic acids of benzene, naphthalene and anthraquinone, said nitrating agent being added in at least sufficient quantity to mono-nitrate said aryl diazo compound, and said reaction medium being maintained at 0° C. to 25° C. until a normal mono-nitro-aryl diazonium compound is formed.

2,186,723

LIQUID COOLING AND DISPENSING APPARATUS

Herman H. Harr, Newark, and Leo Samel, Irvington, N. J., assignors to Leo Samel

Application June 20, 1936, Serial No. 86,254
3 Claims. (Cl. 225—9)



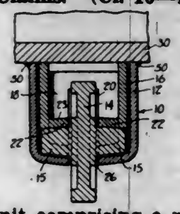
1. Apparatus of the character described comprising a plurality of tanks of approximately the same height having their mouths in substantially a common plane, each tank having a perimetral flange adjacent its mouth, a retainer having a plurality of openings each to receive one of said tanks with said perimetral flanges at the side of said retainer nearer the mouths of the tanks, a separate closure for each tank, and means for separably fastening said closures to said tanks, and means for separably connecting said retainer to the tanks.

2,186,724

ROLLER UNIT

Henry H. Harris, Champaign, Ill.

Application November 12, 1937, Serial No. 174,158
3 Claims. (Cl. 16—40)



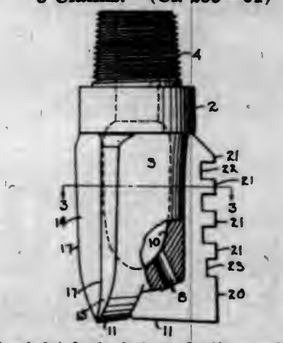
2. A roller unit comprising a roller, a bearing member therefor, and a housing within which the bearing member and roller are wholly disposed, the roller having tapered journals formed integral therewith, the bearing member comprising a hollow block having a longitudinal roller slot and recessed bearing slots transverse to the roller slot, the journals of the roller being received wholly within the bearing slots with a portion of the roller extending into the interior of the block, the remainder projecting through the roller slot, and the housing having a slot through which the said remainder also projects the housing securing the roller journals against displacement from the bearing slots.

2,186,725

STRAIGHT HOLE BIT

James D. Hughes, Houston, Tex., assignor to Oil Well Engineering Company, Houston, Tex., a corporation of Texas

Application April 22, 1938, Serial No. 203,472
5 Claims. (Cl. 255—61)

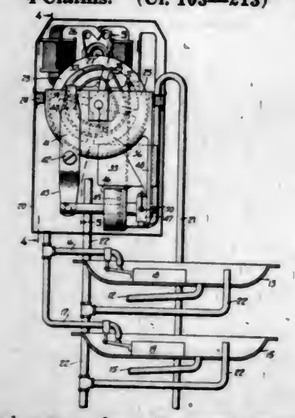


2. A straight hole bit including a body, blades thereon, one of said blades extending radially a greater distance than the remaining blades to create a greater unit area pressure on the low side of the bore being drilled when the bit is inclined from the vertical so as to ream such low side of the bore and correct the inclination, and bottom cutting edges on all of said blades, which edges are disposed in substantially the same transverse plane so that said bit body moves eccentrically of the bore upon rotation thereof.

2,186,726
LIQUID FUEL SUPPLY MECHANISM FOR OIL STOVES

Donald H. Lapointe, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application February 12, 1938, Serial No. 190,145
4 Claims. (Cl. 103—213)

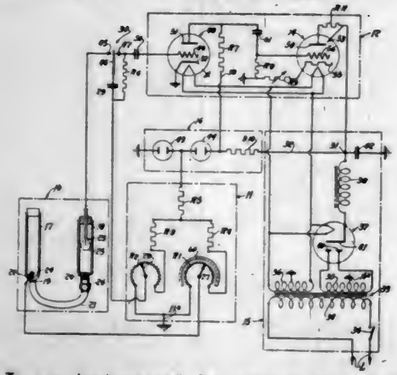


1. A fuel pump for oil stoves comprising a tank, a frame plate secured across the top of the tank, an electric motor secured to the plate with its axis horizontal and spaced above the plate, a pinion carried by the motor shaft, a large gear rotatably carried by the plate and meshing with the pinion, a cam carried by the gear, a lever arm pivoted to the frame plate and having its upper end co-operative with the cam, a stationary pump cylinder, and a plunger disposed in the cylinder and operated by the lower end of the lever arm.

2,186,727
TESTING APPARATUS

Frank S. Martin, Ames, Iowa, and Myron T. Kelley, St. Louis, Mo., assignors to Precision Scientific Company, Chicago, Ill., a corporation of Illinois

Application July 13, 1938, Serial No. 218,956
2 Claims. (Cl. 175—183)

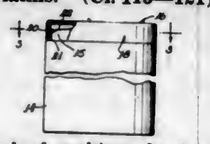


1. In an instrument for testing the value of an unknown potential the combination of, a source of potential, a potentiometer for varying at will the potential supplied from said source, a condenser, means for applying to said condenser a charge proportional to the difference between the potential to be measured and the potential supplied from said potentiometer, a cathode ray tube embodying a control grid and an image screen on which an image is produced which varies in accordance with changes in a biasing voltage applied to said grid, means for applying a biasing voltage to said grid, means for varying the biasing voltage applied to said grid in proportion to the charge on said condenser whereby the image on said screen indicates the point of balance between said potentials, and means including a calibrated scale associated with said potentiometer for indicating the changes required in the potential supplied thereby to attain a zero value of said differential.

2,186,728
CLOSURE CAP AND THE LIKE AND METHOD OF MAKING SAME

Wallace C. Mills, Rockford, Ill., assignor to J. L. Clark Manufacturing Company, Rockford, Ill., a corporation of Illinois

Application April 17, 1937, Serial No. 137,540
9 Claims. (Cl. 113—121)



1. The method of making sheet metal closure caps and similar articles which comprises forming a cup-shaped shell having an end wall and a peripheral side wall, shaping said side wall to form a base portion and a neck portion with the latter offset inwardly from the base portion so as to form an annular shoulder, and simultaneously applying bending pressures at spaced points to the neck portion to bend the neck portion inwardly about said shoulder in a direction inwardly and axially of the shell so as to form a series of transverse folds, and finally forcing the neck portion outwardly while flattening said folds to remove the same.

2,186,729
METHOD OF MAKING REMEDY CONTAINERS FOR INTRODUCING INTO CAVITIES OF THE BODY

Karl Wilhelm Schmidt, Nuremberg, Germany

No Drawing. Application January 23, 1937, Serial No. 122,075. In Germany September 12, 1936
2 Claims. (Cl. 167—64)

2. The method of making capsule and pessary remedy containers which comprises mixing together urea powder and about 20 per cent by weight of powdered sugar based on the weight of the urea said sugar being selected from a group consisting of grape and milk sugar; in an aqueous solution, with a small amount of added agar agar and tragacanth as binder, heating to form a moldable mixture and then molding the same into shape.

2,186,730
MULTICOLOR PHOTOGRAPHY

Wilhelm Schneider, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application May 6, 1937, Serial No. 141,093. In Germany May 8, 1936
5 Claims. (Cl. 95—2)

5. A process of producing multicolor photographic material, which comprises preparing three different silver halide emulsions each emulsion having admixed thereto a different dyestuff component, at least one of said dyestuff components having linked to an atom of its molecule by a homopolar linkage an aliphatic carbon chain of at least 5 carbon atoms, said dyestuff component being fast to diffusion with respect to the binding agents of said silver halide emulsions and capable of forming a dye in one of the fundamental colors of the spectrum, separately converting the said emulsions into microscopic, slightly hardened particles, mixing the emulsions thus treated and applying the mixture to a photographic support in the form of a unitary layer.

2,186,731
PRODUCTION OF COLORED PHOTOGRAPHIC LAYERS

Wilhelm Schneider, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application May 22, 1937, Serial No. 144,309. In Germany May 23, 1936
17 Claims. (Cl. 95—8)

1. A photographic element comprising at least one silver halide emulsion layer, a colored filter layer in contact with said silver halide emulsion layer, said filter layer containing a dyestuff which is fast to diffusion with respect to the binding agent of said layer, said dyestuff having an alkyl radical of a carbon chain of more than 5 carbon atoms linked to an atom of its molecule by a linkage selected from the group consisting of the acid amide-, ester-, and direct carbon to carbon linkage.

2,186,732
SILVER HALIDE EMULSION FOR COLOR PHOTOGRAPHY

Wilhelm Schneider and Alfred Fröhlich, Dessau, Anhalt, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application August 17, 1937, Serial No. 159,518. In Germany August 29, 1936
17 Claims. (Cl. 95—6)

1. A photographic emulsion containing a color former fast to diffusion, said color former being capable of forming a dyestuff selected from the group consisting of quinoneimine-, azomethine-, and azo dyestuffs, and having a carbohydrate linked thereto.

2,186,733
COLOR PHOTOGRAPHY

Wilhelm Schneider and Alfred Fröhlich, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application September 18, 1937, Serial No. 164,499. In Germany October 7, 1936
13 Claims. (Cl. 95—6)

3. A silver halide emulsion for color photography containing a color former having a natural resin linked thereto by a homopolar linkage.

2,186,734
COLOR PHOTOGRAPHY

Wilhelm Schneider, Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application October 29, 1937, Serial No. 171,701. In Germany November 2, 1936
11 Claims. (Cl. 95—6)

1. A silver halide emulsion containing a dyestuff component for color forming development said dyestuff component being fast to diffusion and having a polymeric molecule consisting of a chain of more than two known color forming development components joined together by the reaction with a member of the class consisting of aldehydes, dialcohols and thionylhalides.

2,186,735
SILVER HALIDE EMULSIONS FOR COLOR PHOTOGRAPHY

Wilhelm Schneider and Alfred Fröhlich, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

No Drawing. Application October 29, 1937, Serial No. 171,705. In Germany November 2, 1936
6 Claims. (Cl. 95—6)

2. A light-sensitive photographic element comprising a support and at least one silver halide emulsion containing a color former fast to diffusion said color former being a product of reaction of a compound selected from the group consisting of malonic acid, its halides and its esters, with an amine containing a substantive group.

2,186,736
COUPLING COMPOUNDS FOR COLOR FORMING DEVELOPMENT

Wilhelm Schneider and Hans Loleit, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

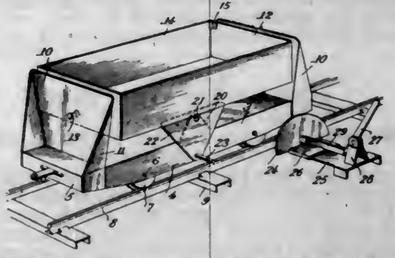
No Drawing. Application June 24, 1938, Serial No. 215,586. In Germany July 3, 1937
12 Claims. (Cl. 95—6)

1. In a process of producing photographic color pictures by color forming development, the improvement which comprises developing a light-sensitive silver halide emulsion in an amino developer while causing as the color forming compound a quaternary salt of a heterocyclic base having at least one heterocyclic nucleus, said nucleus containing only one nitrogen atom and besides a methyl group linked to the carbon atom at ortho-position to said nitrogen atom to react with the oxidation products of said amino developer to form a dyestuff image.

2,186,737
TOY DUMP CAR

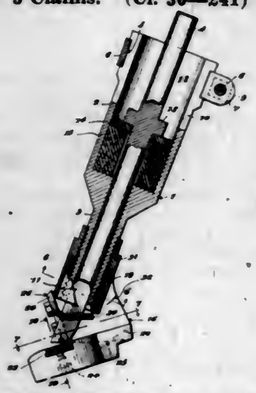
Richard G. Smith, Amsterdam, N. Y.

Application August 12, 1936, Serial No. 95,649
7 Claims. (Cl. 214—62)



1. A toy dump car comprising a chassis having end brackets, a car body trunnioned on said brackets and weighted at one side thereof, a lever swingably carried on said chassis and engaging the weighted side of said body to support same in normal position, said lever having an eccentric portion for engagement with said body to tilt same to a dumping angle upon actuation of said lever.

2,186,738
METAL CUTTING TOOL
Evan L. Solomon, Detroit, Mich.
Application June 14, 1938, Serial No. 213,668
3 Claims. (Cl. 30—241)



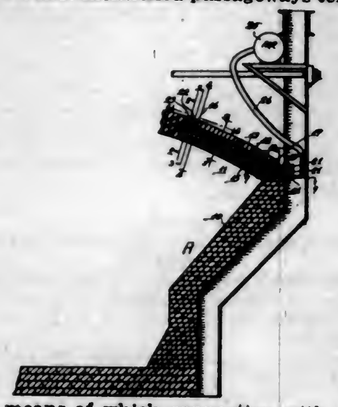
1. In a metal cutting tool, the combination of a casing provided with a foot device, said foot device provided with a die, a tool guide engaging said foot device, means holding said tool guide on said foot device, said tool guide comprising an inclined body provided with an outwardly extending arm, said arm terminating in a downwardly and inwardly extending finger, an edge of said finger being in alignment with an edge of said die, and said casing provided with cutting means passing in its movement the registering edges of said finger and die.

2,186,739
TREATMENT OF FIBROUS MATERIALS TO MAKE THEM RESISTANT TO MILDEW
Frederick Thomas Metcalf, Blackley, Manchester, England
No Drawing. Application February 27, 1937, Serial No. 128,229. In Great Britain March 6, 1936
12 Claims. (Cl. 21—6)

1. The process of treating fibrous materials to render them resistant to mildew, wherein the fibrous materials are first treated with a mildew-resisting preparation consisting of an arylamide of a salicylic acid and are then further treated for the chemical deposition of a small quantity of aluminium hydroxide by impregnation with a solution of an aluminium salt capable of decomposition by heat to produce aluminium hydroxide and by the application of heat to effect evaporation of the solvent and decomposition of the salt.

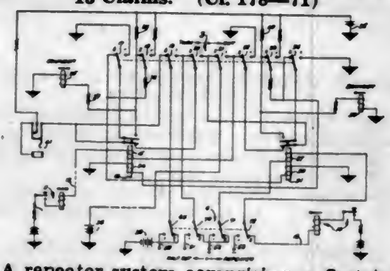
2,186,740
FURNACE CONSTRUCTION
Thomas Teeters, Snyder, N. Y.
Application February 17, 1939, Serial No. 256,959
11 Claims. (Cl. 263—44)

1. In a furnace having air-passages in the refractory bricks forming the lining of the interior of the furnace, said passages being connected with each other to form continuous passages through which the cooling-air may be passed, the improvement which comprises a roof or wall structure built up at least in part from individual refractory bricks having a plurality of perforations therein so aligned as to produce a plurality of passageways located progressively inwardly from that end of the bricks directed toward the interior of the furnace, said passageways being noncommunicating with each other so as to be capable of independent use, some of the bricks being provided with transverse passageways into which the first mentioned passageways terminate



and by means of which connection with the atmosphere outside of the furnace is established.

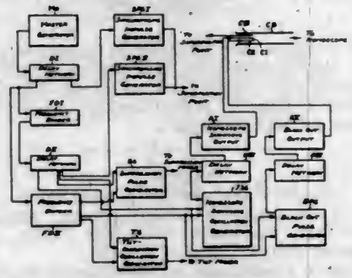
2,186,741
TELEGRAPH REPEATER
Gilbert S. Vernam, Hackensack, N. J., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York
Application October 27, 1937, Serial No. 171,205
13 Claims. (Cl. 178—71)



1. A repeater system comprising, a first transmission line, a second transmission line, a normally energized relay operatively connected in each transmission line, contact means in each line controlled by the relay in the other line, each of said relays being responsive to signal current fluctuations in the transmission line associated therewith to open and close contacts of said contact means in said other line for repeating signals thereto, means operative upon opening of said contacts in either of said lines for maintaining the relay in the opened line energized during the signal current fluctuations, and switching means for disconnecting said contact means from both of said lines and completing the energizing circuit of said relays independent of said contacts for stopping the repeating of said signals from one line to the other, said switching means establishing a local circuit through both of said contact means upon disconnection of said contact means from said lines.

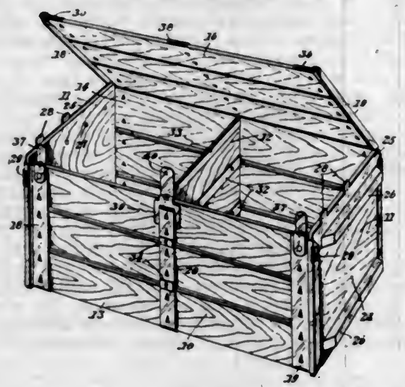
2,186,742
TELEVISION AND LIKE TRANSMITTING SYSTEM
Eric Lawrence Casling White, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 5, 1936, Serial No. 67,258
In Great Britain March 18, 1935
6 Claims. (Cl. 178—7.2)

4. In a television transmission system in which the scanning unit is located at a point remote from the synchronizing signal generator, the method of transmission which comprises the steps of developing a master control signal, controlling the scanning synchronism by means of said master control signal, developing trains of video signals in accordance with the light values of elemental strips of the optical image to be scanned, transmitting said video signals along an electrical path to a point remote from the point of development of the video signals, developing synchronizing signals to be generated



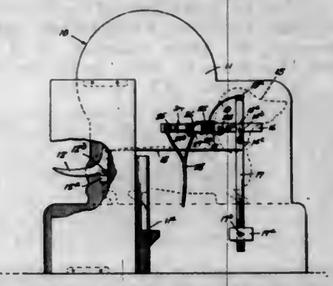
under the control of the master control signal, establishing a junction of superposition of the video signals with the synchronizing signals developed, and delaying the transmission of the master control signals to the synchronizing signals generated for a predetermined time interval which bears a definite relationship to the ratio of the distance along the electrical path from the point of generation of the master control signal to the point of superposition of the video and synchronizing signals to be transmitted by each of the two paths of transmission.

2,186,743
SHIPPING CRATE
Thomas M. Vaughan, Tampa, Fla.
Application September 16, 1939, Serial No. 295,326
9 Claims. (Cl. 217—66)



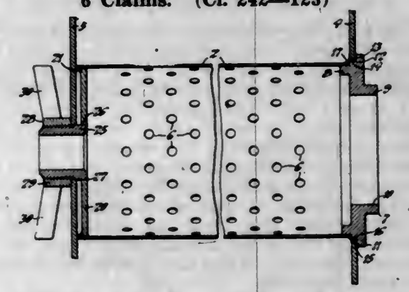
1. A shipping container comprising sides, ends, a top, and a bottom, and metal straps extending around the container adjacent the ends, said straps having U-shaped channels therein overhanging beyond the extremities of the sides, top and bottom, to provide a metallic seat for engaging the sides of the edges of the ends, and means to secure the ends of the straps to one corner of the ends, and thereby retain the ends in the said channels.

2,186,744
ANIMATED DISPLAY MOTOR
William G. Wagenhals, Detroit, Mich.
Application September 28, 1939, Serial No. 296,984
2 Claims. (Cl. 40—51)



1. In an animated display of the type including a display panel, cooperating freely swingingly mounted display elements on said panel, the improved means for causing swinging motion of said elements which comprise: a horizontally extending supporting bar mounted on the back of said panel; a pendulum, freely swingingly mounted on parts of said bar, operably connected to at least one of said display elements; a segmental magnetically sensitive member mounted on said pendulum concentric with the axis of motion thereof; a solenoid having end pieces oppositely extending; a bracket mounted on said bar, attached to one of said solenoid end pieces supporting the same in a manner such that during oscillation of the pendulum, said segmental member moves within the solenoid; and a thermostatic electric switch, mounted on the other end of said solenoid for controlling current supplied to the solenoid.

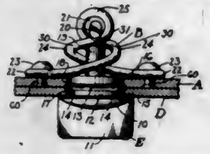
2,186,745
METAL SPOOL OR BEAM
John M. Wood, Cranston, R. I., assignor to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application July 8, 1938, Serial No. 218,155
6 Claims. (Cl. 242—123)



1. A metal spool, beam or the like comprising a tubular barrel, a closure-member having an annular flange projecting within the rim of the barrel at the end thereof, said flange formed with a shoulder abutting the edge of the barrel and having a radial dimension substantially equal to the thickness of the latter, said flange having an annular seat adjacent said shoulder with a second shoulder extending radially therefrom, and a head comprising a metal disk having an opening with its rim surrounding the annular seat on the closure-member, said head, closure and barrel secured together in an integral structure by a single weld with the metal flowed around the

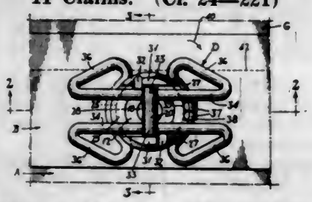
joint between the head and the annular seat on the closure-member and overlying the rim of the barrel to secure the latter to its shouldered seat.

2,186,746
DOUBLE COIL SPRING FASTENING DEVICE
Jeremiah W. Albin, Babylon, N. Y.
Application December 15, 1937, Serial No. 179,819
13 Claims. (Cl. 24—221)



4. A fastening device for two parts having openings comprising separate coengaging fastening elements, one of said elements consisting of a coiled spring forming a central recess attached to one part, a key fastened to a second part, said key being so formed as to project into the recess in said spring and having transverse end extensions for interlocking engagement with said spring to detachably fasten said parts together, the inner ends of the coils of said springs diverging and being mounted concentrically of said openings on one of said parts on opposite sides of said openings and the outer ends of the coils converging and being integrally joined.

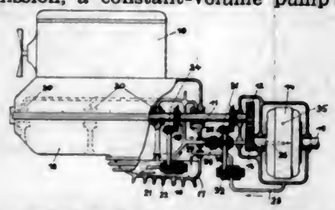
2,186,747
LATCHING DEVICE
Jeremiah W. Albin, Babylon, N. Y.
Application June 9, 1939, Serial No. 278,295
11 Claims. (Cl. 24—221)



1. A fastening device for two parts with openings comprising separate fastening elements, one of said elements consisting of a double bowed spring having parallel bowed wires on opposite sides of said openings having the inside ends of each bow mounted on one part on opposite sides of the opening therein, the second of said elements being a key having an elongated shank and a cross bar at the end thereof to engage the spring, said key being so formed as to project inside of said spring and said cross bar being formed for interlocking engagement with said spring by the turning movement of the key to detachably fasten said parts together.

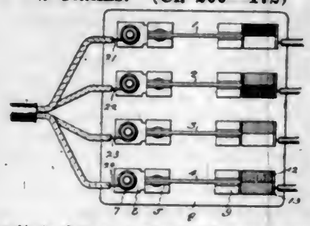
2,186,748
HYDRAULIC TRANSMISSION FOR AUTOMOTIVE PURPOSES
Arthur Berger, Oberturkheim, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application August 19, 1937, Serial No. 159,859
In Germany August 20, 1935
8 Claims. (Cl. 60—54)

1. The combination comprising a prime mover including a source of lubricating fluid and a lubricating circuit communicating therewith, a hydraulic transmission connected with said prime mover, a conduit adapted to feed fluid from said source to said lubricating circuit and said transmission, a constant-volume pump inserted



in said conduit and adapted to supply said lubricating circuit and said transmission with fluid, and a metering device intermediate said conduit and said hydraulic transmission for controlling the flow of fluid thereto.

2,186,749
ELECTRIC SWITCH HANDLE
Henry J. Blakeslee, Marlboro, Conn., assignor to The States Company, Hartford, Conn., a Connecticut statute corporation
Application September 13, 1938, Serial No. 229,679
2 Claims. (Cl. 200—172)

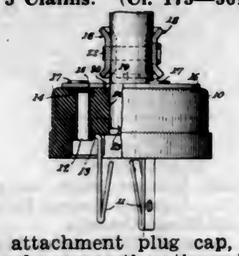


2. A switch for a system of conductors having a plurality of identified wires connected to devices which demand correct connection of conductors thereto and which require at times interruption of the electrical circuits leading thereto, said identified wires being distinguished from one another by color markings, comprising a plurality of pairs of terminals insulated one from another, a plurality of switch blades of which each is pivoted to one terminal in a pair and is conductively engageable with the other terminal of a pair, said pluralities including a pair of terminals and a switch blade for each identified wire, and a plurality of handles including one for each blade; each said handle being composed of detachable insulating members of colors identical with the color markings for the corresponding identified wire, said detachable insulating members being interengaged with one another and with the corresponding switch blade to provide a protecting, enclosing, insulating handle structure around the end of the blade, and means for securing said members upon the switch blade, said securing means passing through the blade and being spaced therefrom by an interposed portion of the insulating handle structure.

2,186,750
ROTPROOFING AND WATERPROOFING OF MATERIALS
William James Carter, Avonmouth, England, assignor to National Processes Limited, London, England, a joint-stock company of England
No Drawing. Application November 27, 1936, Serial No. 113,000. In Great Britain December 3, 1935
8 Claims. (Cl. 91—68)

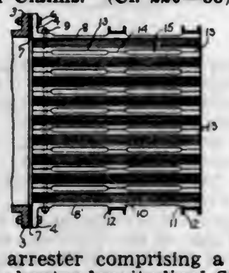
1. A process for proofing porous materials against water and against deterioration by rotting, especially by moulds and fungi, which consists in applying to the materials to be treated a composition comprising essentially an alkaline aqueous dispersion of neutral compounds of naphthenic acid of a group consisting of metallic naphthenates and naphthenic esters, normally insoluble in water, and a stable waterproof aqueous dispersion or rubber, causing thorough penetration of the composition into the porous materials to be treated and depositing it into the porous materials.

2,186,751
ATTACHMENT PLUG CAP
Nathan Chirelstein, Chicago, Ill.
Application March 1, 1938, Serial No. 193,242
5 Claims. (Cl. 173—361)



1. In an attachment plug cap, a plug body having a cord passage therethrough, a supporting plate at one end of said body, clamp levers having angled bases, means pivotally mounting the angled bases of said levers on the outer face of said supporting plate at opposite sides of said cord passage and in position with the free end of one lever opposite the pivoted angled base portion of the other lever and screws connecting said opposed free and said pivotally mounted end portions of the clamp levers, said screws being set inwardly toward the cord passage from the pivotal mounts of said levers.

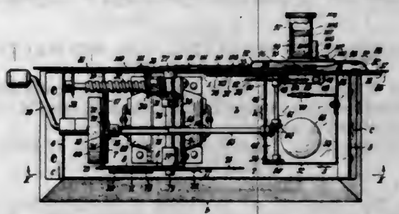
2,186,752
FLAME ARRESTER
Robert E. Connell, Houston, Tex.
Application May 17, 1934, Serial No. 726,056
14 Claims. (Cl. 220—88)



1. A flame arrester comprising a plurality of adjacent units having longitudinal fluid passages therethrough, imperforate spacers for each of said units, means to clamp said units and spacers together, and means for cooling said units including air circulating flues between said spacers and independent of said passages.

2,186,753
MOTION PICTURE PROJECTOR
James J. Dilks, Jr., Haddon Heights, N. J.
Application February 1, 1938, Serial No. 188,157
12 Claims. (Cl. 88—18.8)

1. In projecting apparatus for disk picture films having a spiral series of image areas arranged in symmetrically spaced radial lines, a rotary mounting for the disk; means including a master control having a single annular series of slots with a cooperative picker device for intermittently rotating the mounting, each time through an angle corresponding to that of the spacing

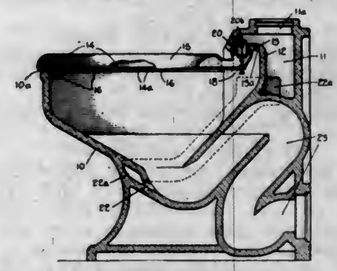


of the image area radial lines on the disk; a slide supporting the projector lens with guide means confining it to travel crosswise of the disk; and a feed-screw with a pivotal follower operatively coordinating the rotary mounting and slide for concurrent movement so that the projector lens is caused to follow the spiral of the disk pictures.

2,186,754
PURIFICATION OF AROMATIC NITRILES
Vito Giambalvo, Brooklyn, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application August 23, 1938, Serial No. 226,258
2 Claims. (Cl. 260—465)

1. The method of separating a mixture of an aromatic imide and a water- and dilute alkali-insoluble aromatic di-nitrile, which comprises dissolving the imide in an aqueous caustic alkali solution of no greater than 5% concentration, at a temperature not above 5° C., separating the solid di-nitrile from the imide solution, and precipitating the imide.

2,186,755
VOLUMETRIC CONTROL MEANS FOR DEFECATOR FLUSH RIM WATER SUPPLY
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application February 15, 1938, Serial No. 190,576
8 Claims. (Cl. 4—10)



1. The combination with a closet bowl, of seat means and therewith associated rim flush means, means for movably mounting said seat means and said rim flush means in common relative to the closet bowl to afford movement of the same from bowl-rim supported status to a position remote therefrom, and means affording communication between the interior of said rim flush means and said channel when said seat

means and rim flush means are in bowl-rim supported position, said communication affording means comprising an aperture communicating with said channel and including valve means operatively associated with said seat for controlling water flow into said rim flush means.

2,186,756
METHOD OF PRINTING ON ASPHALTIC COMPOSITIONS
John T. Hargrave, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 5, 1937, Serial No. 167,386
5 Claims. (Cl. 91—67.9)

1. The method of marking a bituminous base which comprises applying a coating which is miscible with the bitumen, the coating comprising a binder which is a non-solvent for the bitumen, and a solvent which is a solvent for both the binder and the bitumen, and thereafter treating the base, before substantial mixing of the bitumen with the coating has occurred, with an excess of a second solvent which is miscible with the solvent of the coating and is a non-solvent for the bitumen and the binder of the coating, whereby the resultant mixture of first solvent and second solvent precipitates the binder without visible discoloration by the bitumen.

2,186,757
PHOTOGRAPHIC DETECTION OF SLOWLY MOVING NEUTRONS
Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Ludwigshafen-on-the-Rhine, Germany, a corporation of Germany
Application March 24, 1938, Serial No. 197,929
In Germany March 25, 1937
13 Claims. (Cl. 250—83)



1. A device for forming a photographic image of a beam of slowly moving neutrons comprising a layer of photosensitive material associated with a layer containing lithium atoms.

2,186,758
ALLOY STEEL TUBE
Daniel E. Krause, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application February 19, 1938, Serial No. 191,569
2 Claims. (Cl. 138—47)

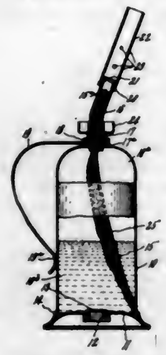
1. An alloy steel tube for use under conditions requiring scaling resistance and high creep resistance at high temperatures and high pressures, said tube being composed of an alloy consisting essentially of carbon in amounts up to 0.9 per cent, phosphorus in amounts from 0.08 to 1.5 per cent, chromium in effective amounts up to 25 per cent, molybdenum in amounts from .10 to .75 per cent, and the balance substantially all iron and incidental impurities, the phosphorus cooperating with the molybdenum to impart creep resistance at least equal to that imparted to similar alloys by substantially larger amounts of molybdenum when used with phosphorus in amounts less than 0.05 per cent.

2,186,759
ANTISKID DEVICE
Carl B. Larsen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application March 6, 1937, Serial No. 129,299
6 Claims. (Cl. 152—191)



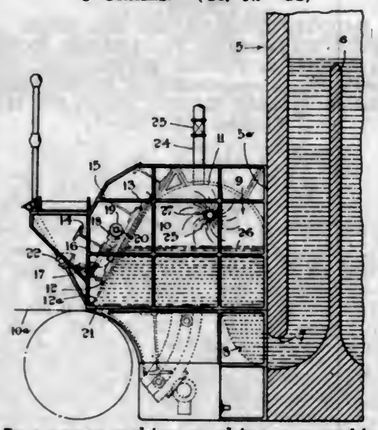
1. In an anti-skid device for a vehicle a continuous annulus arranged to embrace one side of a tire of the vehicle, and a second annulus arranged to embrace the other side of the tire, said annuli having margin portions presented toward each other about the tread of the tire, a ring interposed between said margins to form an upstanding rim for engaging the ground, and means for separably securing said margin portions to said ring to prevent inadvertent removal of the device from the tire.

2,186,760
BLOW TORCH
David Allen Lenk, Newton, Mass., assignor to The Lenk Mfg. Co., Newton Lower Falls, Mass., a corporation of Massachusetts
Application April 9, 1937, Serial No. 135,873
3 Claims. (Cl. 158—35)



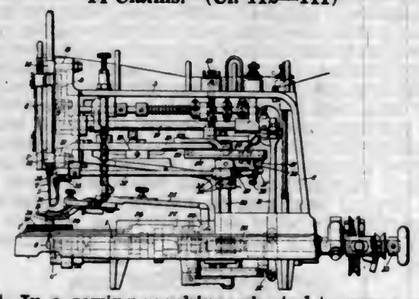
1. In a blow torch, the combination with a reservoir for holding a pool of vaporizable liquid fuel, a vapor-generating tube whose inner end opens into the upper portion of said reservoir, a vapor-burner tube whose inner end communicates with said vapor-generating tube, and a wick which is of loose, rope-like form and extends from a submerged position in said pool to a position, while substantially uncompressed in said vapor-generating tube; of an elongated member which is possessed of rigidity relative to said wick and extends along with said wick from said reservoir into said vapor-generating tube, said member having a lower end existing in substantially non-dislodgable, frictional engagement with the internal wall of said reservoir and having an upper end existing in substantially non-dislodgable engagement with the upper end of said wick, whereby the upper end of said wick is held by said member in substantially fixed position in said vapor-generating tube even when said blow torch is dropped or undergoes other shock in service tending in the absence of said member to cause undesirable dislodgment of the upper end of said wick.

2,186,761
PAPER MAKING MACHINE
Bernard A. Malkin, Lachine, Quebec, Canada, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application October 8, 1936, Serial No. 104,676
5 Claims. (Cl. 92—44)



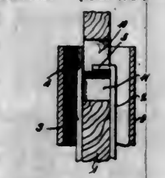
1. In a paper making machine, a movable sheet forming element, a pond chamber of substantial vertical depth enclosed by top, bottom, front, rear, and side walls, said chamber being provided with stock inlet and outlet openings located a substantial distance below the top wall, means for supplying stock through said inlet so that the stock tends to rise in said chamber to a level above the top of the outlet, and means for introducing compressed air into the upper portion of said chamber for the purpose of controlling the depth and velocity of the stock immediately behind the outlet opening.

2,186,762
THREAD CONTROLLING MECHANISM FOR SEWING MACHINES
Michael McCann, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 9, 1938, Serial No. 189,503
14 Claims. (Cl. 112—111)



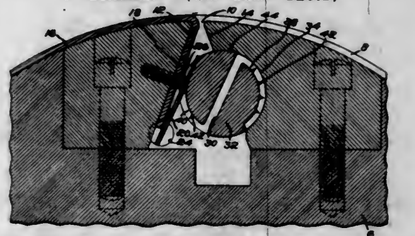
1. In a sewing machine adapted to sew a predetermined number of stitches and then come to rest, the combination with a work-support and stitch-forming instrumentalities including a reciprocatory needle adapted to be vibrated during a portion of the stitching operation and operated in a fixed path during another portion of the stitching operation, of means located above the work-support and operable to produce a bight in the needle-thread to insure proper stitch-formation during that portion of the sewing operation in which the needle operates in a fixed path.

2,186,763
CONNECTING MEANS FOR SECTIONAL POLES
Robert Earl McMackin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1938, Serial No. 186,202
2 Claims. (Cl. 287—103)



1. A joint construction for use in connecting adjacent rigid sections of a tamping pole comprising, a fitting defining a yoke, said fitting being attached to one end of a rigid section and including axially extending side portions and a wide substantially flat transverse bar, and a generally corresponding fitting on the corresponding end of an adjacent rigid section, said second fitting being provided with a slot to permit the passage of the first fitting therethrough when the rigid sections are arranged in any one of a plurality of positions at right angles to each other; the spaces defined by said first and second fittings being such as to permit the alignment of respective tamping poles in tandem relation after connection is made from any one of the plurality of positions.

2,186,764
PRINTING CYLINDER
Charles A. Meisel, Milton, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application March 29, 1938, Serial No. 198,654
7 Claims. (Cl. 101—415.1)

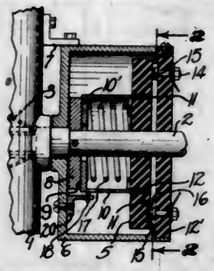


1. A printing cylinder having a gap over one edge of which an end of a flexible member may be engaged, a reel rod rotatably mounted in the gap and opposing the wall thereof beneath said edge, the rod having a transverse opening to receive another end of a flexible member and having a rise portion effective to clamp said first end against said wall when the mouth of the opening is presented outwardly to the gap to receive the second mentioned end.

2,186,765
FRICTIONALLY DRIVEN SWITCH
Herbert E. Metcalf, Walnut Creek, Calif., assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,255
5 Claims. (Cl. 200—153)

1. A frictionally driven switch comprising a shaft, a member freely rotatable and slidable on

said shaft, a conductive area on one face of said member, a stationary contact in the path of rotation of said area, means for limiting rotation of said member to an arc, including connection and disconnection of said area with said contact, a disc surface positively rotated by said shaft, and having a disc clutch surface thereon, a link



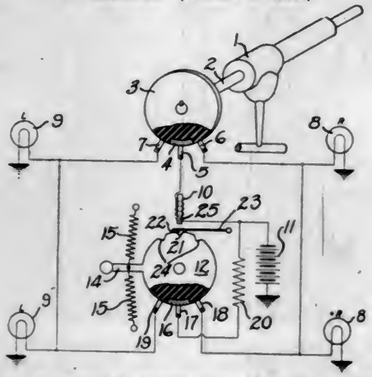
mounted on said shaft free to move longitudinally thereon and rotatably interlocked with said member, said link having a link clutch surface thereon contacting said disc clutch surface, and a spring between said link and said member simultaneously urging said clutch faces together, and said member against said stationary contact in opposite directions.

2,186,766

VEHICLE SIGNAL CIRCUIT

Herbert E. Metcalf, Walnut Creek, Calif., assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif., a corporation of California

Application March 19, 1938, Serial No. 196,925
2 Claims. (Cl. 177—339)



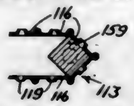
1. In a vehicle signalling system, right and left indicator circuits, indicating devices in each of said circuits, a power source, a manual switch having a power brush and lateral brushes, each of said lateral brushes being connected to an indicator circuit, a manual member movable to two positions to selectively connect one of said lateral brushes to said power brush in each of said positions, resilient means for centralizing said manual member, means for holding said manual member in the selected position, electromagnetic means for releasing the hold of said holding means, an automatic switch having a central brush and a pair of lateral indicator brushes, each of said lateral indicator brushes being connected to an indicator circuit, an automatic member movable by turning of the steering gear of said vehicle for connecting one of said lateral indicator brushes to said central brush, in accordance with a vehicle turn made, said central brush in said automatic switch being connected to said power source through said electromagnetic means, and a resistor in series connection between said power brush in said hand switch and said power source.

2,186,767

DOUGHNUT-MAKING MACHINE

Jehu Price, Philadelphia, Pa., assignor, by mesne assignments, to Peerless Brands, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application January 13, 1938, Serial No. 184,740
7 Claims. (Cl. 53—7)



1. In a doughnut-making machine, a conveyor composed of a plurality of relatively flat conveyor-sections having integral rounded hollow parts projecting from one face of said conveyor-sections, pins passing through said parts and linking said sections together to form a conveyor, and a pair of shafts each composed of an integral piece of metal having journaled ends and having portions of polygonal shape in outline having faces of appropriate width to co-operate with the flat faces of said conveyor-sections, said conveyor being mounted on said shafts.

2,186,768

TAG BEARING SEAL

Mark Rubinoff, New York, N. Y., assignor to Morris Canter, New York, N. Y.

Application November 25, 1938, Serial No. 242,154
9 Claims. (Cl. 40—2.2)



1. A seal comprising a flat bottom wall having a central portion, and a pair of wall portions on opposite sides of said central portion, one of said pair of portions having a pair of parallel upstanding side walls, and an upwardly curved end wall, and being formed with a transverse upwardly extending strap, and an upwardly projecting indentation, adjacent said strap, whereby said strap is interposed between said indentation and curved wall, the other of said pair of wall portions being formed with a pair of parallel upwardly extending side walls, and an upwardly extending end wall, said latter end wall being formed with an inwardly projecting prong, said seal being bendable about said central portion to bring the pair of parallel side walls on said other of said pair of wall portions within the pair of walls on the first of said pair of wall portions, and the upwardly extending end wall being adapted to be bent beneath said strap, upon bending said seal.

2,186,769

METHOD FOR THE MANUFACTURE OF BASIC SUBSTITUTED CARBOXYLIC ACID AMIDES

Erik Schirm, Dessau, Anhalt, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany

No Drawing. Application October 14, 1936, Serial No. 105,518. In Germany October 16, 1935
16 Claims. (Cl. 260—377)

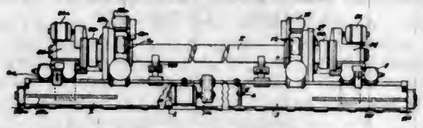
9. Condensation products of carboxylic acids containing basic nitrogen atoms unbound with hydrogen atoms, and amines containing at least one hydrogen atom and a hydrocarbon radical of at least 6 carbon atoms on the nitrogen atom.

2,186,770

MACHINE TOOL

Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio

Application November 27, 1935, Serial No. 51,879
21 Claims. (Cl. 10—154)



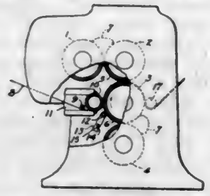
1. A machine tool comprising two aligned separate and independently movable rotatable work holders, common driving means for rotating said work holders, two separate machine elements one associated with each work holder and each including a rotatable tool holder, and feed means associated with said machine elements, each feed means being controlled in accordance with the rotation of its associated work holder.

2,186,771

FABRIC CALENDERING

Wiley Smith, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 21, 1936, Serial No. 106,779
14 Claims. (Cl. 154—2)



7. The method of making cord reinforced rubber sheet material which comprises continuously forming raw rubber compound into a relatively thin sheet, continuously forming a multiplicity of distributed perforations in the thin sheet, continuously forming raw rubber compound into a second relatively thin sheet, continuously bringing the perforated sheet and second sheet together, continuously feeding a multiplicity of separated cords between the sheets as the latter approach one another, and continuously pressing the sheets into adhering contact with the cords therebetween to seal the perforations.

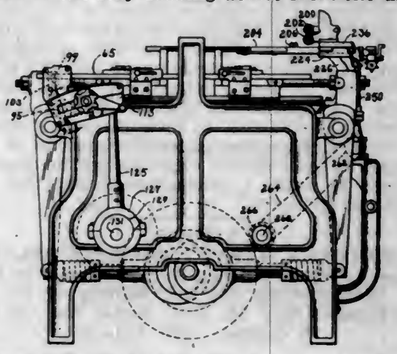
2,186,772

BOX-MAKING MACHINE

Clayton Straw, Henniker, N. H., assignor to Kingsbury & Davis Machine Company, Contoocook, N. H., a corporation of New Hampshire

Application April 13, 1938, Serial No. 201,682
13 Claims. (Cl. 93—41)

1. In a box-making machine, in combination, box-forming devices, presser devices, a stay-feeding device, a drive-shaft, means causing the drive-shaft to drive the forming and pressure devices, and intermediate driving connections between the stay-feeding device and the drive-shaft including manually adjustable means for varying the scope of the driving impulse transmitted to the stay-feeding device from the drive-



shaft, independent of the time and scope of operation of the presser devices.

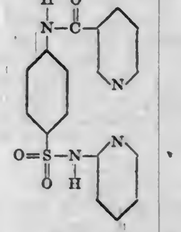
2,186,773

2(P - NICOTINYLAMINOBENZENESULFONAMIDE) PYRIDINE AND ITS SALTS, AND PROCESS OF PREPARING THEM

Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 11, 1939, Serial No. 289,696
6 Claims. (Cl. 260—295)

1. The new compound, 2(*p*-nicotinylaminobenzenesulfonamide)-pyridine, or nicotinyl sulfapyridine, which has the following formula:



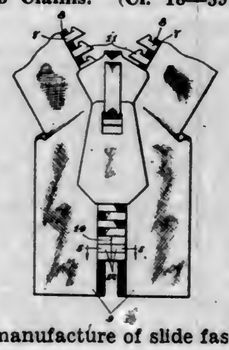
and its salts.

2,186,774

METHOD OF MAKING END STOPS FOR SLIDE FASTENERS

Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania

Application December 4, 1935, Serial No. 52,837
3 Claims. (Cl. 18—59)



1. In the manufacture of slide fasteners of the

type having flexible stringers and cooperating series of fastener elements arranged in uniformly spaced relation on adjacent edges of said stringers, that method of making end stops which comprises bunching a plurality of such elements at the end of the series, trimming off portions of the heads of said elements so that they will fit against similar elements on the opposite series, securing the bunched elements to their respective stringers, and sticking the bunched elements of one stringer to the bunched elements on the opposite stringer to make a permanent connection between the stringers.

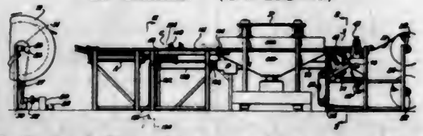
2,186,775

MACHINE FOR MAKING MULTIPLY BELTING

James A. Webb, Buffalo, N. Y., assignor to J. A. Webb Belting Co., Inc., Buffalo, N. Y.

Application May 10, 1937, Serial No. 141,651

15 Claims. (Cl. 154—3)



5. In a belt making machine, a press and means for opening and closing the press at regular intervals, a cementing unit for cementing and uniting a pair of belt plies, a traction unit for engaging the united plies and drawing lengths thereof through the press and preceding cementing unit, and control means operating in timed relation to the operation of the press for rendering said traction unit operative when said press is open.

11. In a belt making machine, a cementing unit provided with means for applying a coating of liquid cement to one face of a pair of belting plies, means for joining the plies in superimposed relation comprising a roll, guide means for directing the plies into juxtaposition upon said roll, including a pair of parallel bars each formed with a depending portion extending in sliding contact about a portion of said roll, said bars receiving the plies therebetween for guidance over said roll.

2,186,776

BELT MAKING MACHINE

James A. Webb and Oliver S. Sleeper, Buffalo, N. Y., assignors to J. A. Webb Belting Co., Inc., Buffalo, N. Y.

Application August 19, 1937, Serial No. 159,929

10 Claims. (Cl. 154—3)



1. A belt making machine comprising a press formed of a pair of endless tractor conveyors, drive means therefor, said conveyors having opposed lineal sections for contacting and drawing belting therebetween, pressure means for forcing the sections toward each other while in transit, means for guiding a plurality of belting plies into juxtaposition before entry into the press, and means for continuously applying cement to the plies prior to juxtaposition.

5. A belt making machine comprising a continuous press for drawing belting therethrough, drive means for operating the press at a constant speed, means for guiding a plurality of belting plies into juxtaposition before entry into the press, means for softening sheet cement and means for introducing the softened sheet cement between the belting plies, said softening means comprising a tank containing liquid solvent through which the sheet cement is drawn, and means for guiding the cement through the tank, said means being adjustable to vary the length of sheet cement in the liquid solvent and thereby the time of immersion.

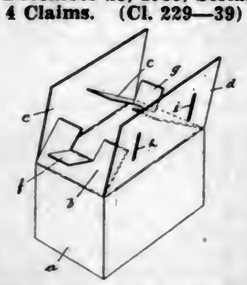
2,186,777

CARTON

Reuben D. Best, Amesbury, Mass., assignor to The Bailey Company Inc., Amesbury, Mass., a corporation of Massachusetts

Application December 23, 1938, Serial No. 247,338

4 Claims. (Cl. 229—39)



4. A shipping carton of bendable material having closure flaps at each end extending for the width and for a portion of the length thereof, said flaps each having two suitably spaced longitudinal slits extending from their ends for a portion of the length thereof to form a tongue in each flap, a closure connected to a longitudinal edge of the carton and extending for the length thereof, said closure having two transverse slots through which said tongues, respectively, are passed and drawn outward to hold the flaps against the inner sides of the closure, said tongues being bent oppositely towards the ends of the carton and pressed down against the outer side of the closure, a second closure connected to a longitudinal edge of the carton and held against said bent-over tongues and straps extending about the carton adjacent the ends thereof to hold said closures in said positions.

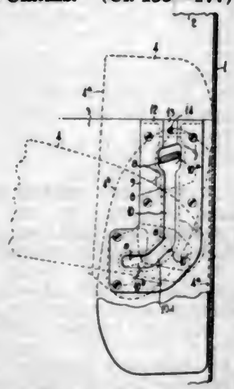
2,186,778

SLEEPING CAR

Joseph F. Clary, Bala-Cynwyd, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 10, 1937, Serial No. 136,186

8 Claims. (Cl. 155—177)



1. In a convertible type seat and berth construction, the combination with a partition wall and a seat back disposed adjacent the same, of an adjustable head rest mounted above said seat back, and means for supporting said head rest either in a normal vertical position against said wall abutting the upper edge of said seat back, or in an inverted idle vertical raised position against the wall, said means positively preventing downward and swinging movement from the inverted idle position, said supporting means being in continuous slidable engagement guiding the movement of the head rest while shifting it from one position to the other.

2,186,779

METHOD OF RECOVERING GOLD FROM SAPROLITE GOLD ORES AND OTHER REFRACTORY SLOW SETTLING GOLD ORES

Bruce D. Crawford, Grass Valley, Calif., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 17, 1937, Serial No. 175,032

1 Claim. (Cl. 75—2)

A method of recovering gold from auriferous saprolite ores which comprises cyaniding a pulp of the ore, treating the cyanided pulp with charcoal which has been preheated to about 1000° C. and subjecting the mixture to a froth flotation process in the presence of a reagent favorable to the flotation of auriferous carbon.

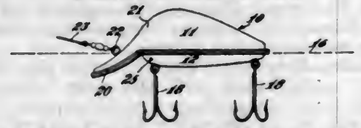
2,186,780

FISH LURE

William J. DeWitt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York

Application August 26, 1938, Serial No. 226,885

5 Claims. (Cl. 43—46)



1. A fish lure adapted to be attached to a leader and comprising a buoyant body and a flat head inclined downwardly and forwardly to form a flat duck-bill-like projection to which the leader is secured, said body consisting of an upper concave section and a lower concave section and a partition forming with said sections sealed upper and lower compartments, said projection terminating below the body and extending below the surface of the water when the lure is floating thereon and spaced from the lower section to form a pocket in which water is a caught whereby, when the leader is retrieved, the lure will be caused to dive and the pocket releases the water when the retrieving movement ceases and the lure rises, thus providing bubbles at the sides of the lure.

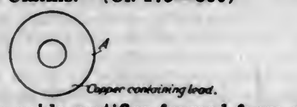
2,186,781

ELECTRICAL RECTIFIER

Philip H. Dowling, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 19, 1938, Serial No. 196,912

3 Claims. (Cl. 175—366)



3. A copper oxide rectifier formed from a copper body containing between .001% and .005% by weight lead.

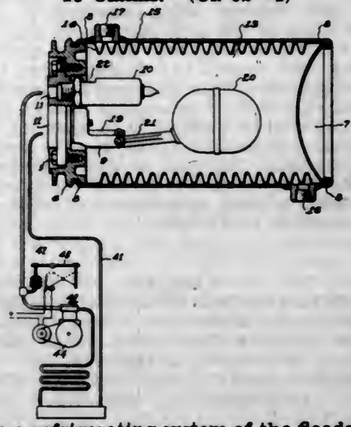
2,186,782

REFRIGERATION APPARATUS

Frederick R. Erbach, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application August 27, 1930, Serial No. 478,172

16 Claims. (Cl. 62—4)



1. In a refrigerating system of the flooded type, the combination with an evaporator of a suction cut-off valve disposed within said evaporator, and means responsive to abnormally low temperature changes in the evaporator for closing said valve.

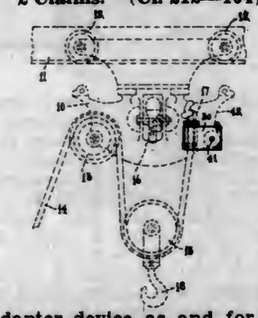
2,186,783

SWIVEL ADAPTER FOR HAY CARRIERS

Ervin R. Follman and Gus Follman, Bridgewater, Iowa

Application April 5, 1939, Serial No. 266,107

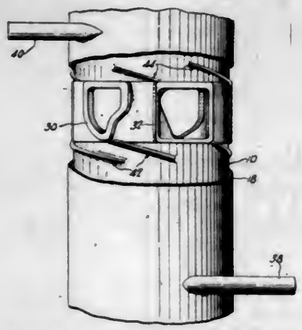
2 Claims. (Cl. 212—104)



1. An adapter device as and for the purpose described comprising a block, a rotatable sleeve carried by said block at one end thereof, a stub-axle extending outwardly from opposite sides of said block at right angles with respect to the bore of said sleeve, a detent extending outwardly from opposite sides of said block at that end of the latter which is opposite with respect to said sleeve, said detents being disposed in parallelism with said stub-axles, said block being also provided with an aperture extending transversely therethrough in parallelism with said detents and stub-axles, said block being adapted to be received between the oppositely disposed half portions of the frames of either one of two different types of hay carriers, said carriers being of different lengths and each provided with aligned shaft holes disposed through their said half portions at common ends of the latter, said stub-axles being adapted to be received within the

said aligned shaft holes of the shorter hay carrier for securing said sleeve operatively thereto, said aperture of the block being adapted to receive a keeper pin disposed therethrough and through the said shaft holes of the longer hay carrier for securing said block thereto and disposing said sleeve in operative position at times when said stub-axles are removed from said block, said detents being adapted to engage against edges of the half portions of said longer frame for maintaining said operative position of the block with respect to said longer hay carrier, said sleeve being adapted to receive therethrough the dead end of the load raising rope of the hay carrier selected for facilitating a securing of said rope axially of said bore and to said sleeve for permitting said rope-end to swivel during hay elevating operations, and means for preventing longitudinal sliding movements of said sleeve with respect to said block.

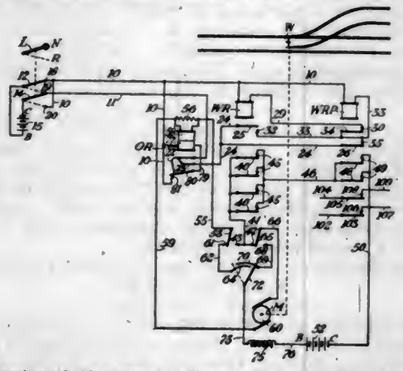
2,186,784
LIQUID COOLED ENGINE CYLINDER
Carl N. Furay, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 19, 1938, Serial No. 202,875
16 Claims. (Cl. 123—173)



6. In a liquid-cooled engine cylinder, a jacket surrounding said cylinder and secured thereto at its opposite ends to provide a space for the flow of cooling liquid about said cylinder, means for introducing fluid in a direction tangential to said space to provide a generally spiral flow of cooling liquid about said cylinder and from one end thereof to the other, a ring of spaced apart inlet and exhaust ports intermediate the length of said cylinder, a boss surrounding each port and extending through said cooling liquid space from said cylinder to said jacket, and a series of diagonally disposed guide vanes at each side of said ring of ports extending entirely across said cooling-liquid space to guide the flow of cooling liquid through the inter-port spaces and retain the generally spiral direction of said liquid flow, said guide vanes being provided with apertures at particular points to provide minor cross currents of cooling liquid directed towards incipient stagnation areas adjacent to said ports.

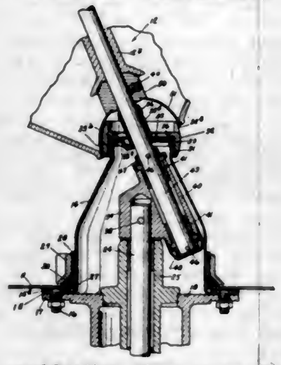
2,186,785
MOTOR CONTROL SYSTEM
Claude M. Hines, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 23, 1939, Serial No. 257,853
10 Claims. (Cl. 172—179)

1. In a motor control system, in combination, an electric motor, a first relay and a second relay, a supply circuit including contacts of both of said relays for energizing said motor, said relays being operable when energized to establish said supply circuit and being operable when deenergized to interrupt said supply circuit, and common means for energizing said relays, the



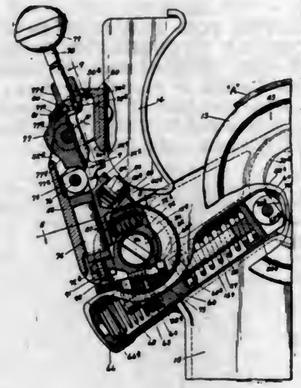
contacts of the first relay being constructed of fusible material, the contacts of the second relay being formed of material such that the contacts are infusible, the relays being arranged and proportioned so that when both are simultaneously deenergized the contacts of the second relay will remain closed until after the contacts of the first relay are separated.

2,186,786
WASHING MACHINE
Joseph W. Jensen, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application February 17, 1937, Serial No. 126,180
5 Claims. (Cl. 286—29)



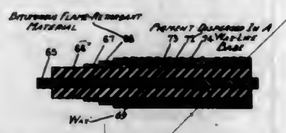
1. The combination of an upwardly extending hollow casing having its upper end terminating in a neck providing a transverse shoulder, a shaft extending in the casing and having a portion protruding through said neck, a flexible sealing member snugly fitted around the shaft and having its marginal portions extending over said shoulder, and means cooperatively engaging the neck of said casing and having an oppositely facing shoulder whereby the marginal portions of the flexible member are firmly gripped between said shoulders to seal the interior of the casing against passage of fluid through the neck thereof, said flexible member having a marginal flange disposed outwardly beyond one of said shoulders for assisting in maintaining it in position.

2,186,787
RELEASE FOR IRONER SHOE
Joseph W. Jensen, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application April 16, 1937, Serial No. 137,183
17 Claims. (Cl. 38—61)



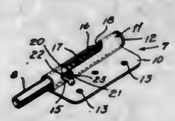
1. In an ironing machine, the combination with a rotatable roll, a shoe, a rock shaft, power driven means for rocking said shaft, of means carried on said shaft and connected to the shoe for supporting and moving the latter into and out of cooperative relation to the roll upon rocking of said shaft, said supporting means comprising an upwardly extending arm journaled at its lower end on said shaft, a manually movable cam pivotally connected to the upper end of the arm, a bracket rigidly attached to the shoe and pivotally mounted on said arm about a horizontal axis, and means comprising a lever arm rigidly attached to the shaft, and a member slidably mounted in the upwardly extending arm and having opposite ends cooperatively engaging said lever and said cam for controlling movement of the shoe toward or away from the roll, by movement of said cam, independently of said power driven means.

2,186,788
ELECTRIC CONDUCTOR
John W. Olson, Hastings on Hudson, N. Y., assignor to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware
Application September 18, 1937, Serial No. 164,474
2 Claims. (Cl. 174—112)



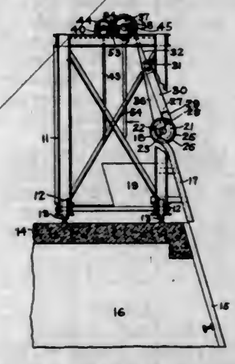
1. An insulated electric conductor provided with a layer of bituminous compound capable of receiving and retaining impressions, said bituminous compound carrying marking indicia in the form of depressions denoting the characteristics of the conductor, said indicia being rendered clearly legible by a layer of pigmented wax partially filling said depressions, said pigmented wax being protected by the surrounding upstanding walls of bituminous compound to prevent abrasion of the pigmented layer, said pigmented wax comprising finely divided coloring matter dispersed in a wax base which is free from volatile solvents at the time of application.

2,186,789
BEARING UNIT
Heyman Rosenberg, New York, N. Y.
Application May 5, 1938, Serial No. 206,155
3 Claims. (Cl. 16—176)



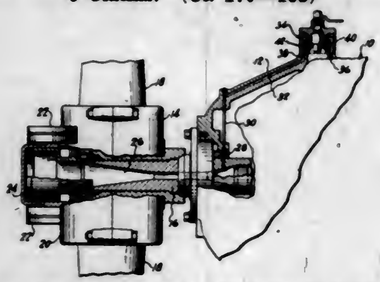
1. A bearing unit adapted for attachment to a damper blade, comprising a bearing pin in the form of a plunger, a support for the bearing pin including a plunger barrel portion and an attaching plate portion, a spring in the barrel for projecting the bearing pin outward to an operating position, and a handle fixed on the bearing pin, said barrel having a slot in its wall through which the bearing pin handle projects and along which it is operable, and said slot having a lateral extension at its outer end which terminates in a notched portion in which the bearing pin handle is seated by the spring in an operative position of the bearing pin, said notch normally restraining the handle and holding the bearing pin against rotation relative to the barrel, and said slot including a cam portion for directing the handle into the notched portion of the outer lateral slot extension as the bearing pin is projected outward by the spring.

2,186,790
TRASH RACK RAKE
Harry E. Smyser, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application September 16, 1938, Serial No. 230,253
5 Claims. (Cl. 210—176)



1. A trash rack rake comprising an elongated shaft having a plurality of rake teeth, wheels mounted on said shaft and adapted to run on trash rack bars, a crank fixed to each end portion of said shaft, a bail having its ends pivotally connected to the end portions of said cranks, a cable connected to said bail, a cable connected to each of said cranks at a point offset with respect to the pivotal connection of the bail therewith, and means for raising and lowering said cables whereby the cable connected to said bail functions as a lowering cable by which the rake is lowered on the trash rack bars with its teeth pointed downwardly and in spaced relation to said bars and the cables connected to said cranks function as lifting cables by which the rake shaft is first turned preparatory to ascending the trash rack bars to move the rake teeth into the spaces between the bars.

2,186,791
VALVE
Andrew V. D. Willgoos, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 12, 1936, Serial No. 84,905
6 Claims. (Cl. 170—163)

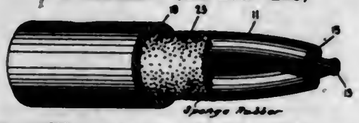


1. In combination with an engine, a controllable pitch propeller driven thereby, hydraulically actuated control means for said propeller, and an engine driven pump for supplying oil under pressure to the lubricating system of said engine and to the hydraulic control means for said propeller, a manually controllable valve in the oil conduit line between said pump and said propeller control means, and means incorporated in said valve and responsive to the oil pressure in said engine lubricating system for automatically maintaining the oil line to the propeller closed whenever the pressure of the oil in said lubricating system is below a predetermined value.

2,186,792
CEMENT MANUFACTURE
George C. Wilsnack, Easton, Pa., assignor, by direct and mesne assignments, of one-half to Edison Cement Corporation, New Village, N. J., a corporation of New Jersey, and one-half to Binney & Smith Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 12, 1937, Serial No. 142,322
8 Claims. (Cl. 106—24)

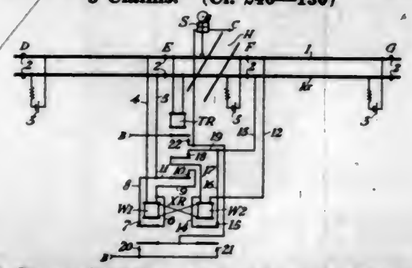
5. An improved process of making concrete of relatively high strength and density which includes the step of grinding clinker with carbon black in granular form in preparing the cement ingredient of the concrete.

2,186,793
ELECTRIC CABLE
Hans V. Wodtke, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application November 27, 1937, Serial No. 176,774
5 Claims. (Cl. 174—116)



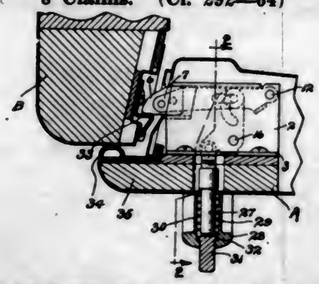
1. A multi-conductor electric cable characterized by its high degree of flexibility comprising a plurality of metallic conductors, a layer of vulcanized rubber compound surrounding each of said metallic conductors and of sufficient thickness to insulate said conductors one from another, an outer sheath of vulcanized rubber compound characterized by its resistance to abrasion, and rubber compound fillers of cellular formation occupying the spaces between said insulated conductors and said sheath, gas in said rubber fillers equal to at least fifty percent of the volume of said fillers, said fillers and said sheath being bonded together during simultaneous vulcanization.

2,186,794
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 15, 1938, Serial No. 240,521
5 Claims. (Cl. 246—130)



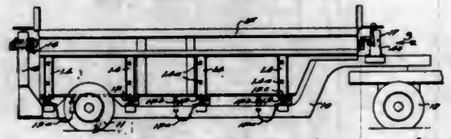
3. In combination, a stretch of railway track divided into two outer sections and an intermediate section, said intermediate section being intersected by a highway and provided with a highway crossing signal located at such intersection, a track relay responsive to traffic conditions in said intermediate section, an interlocking relay having two windings, means for connecting each of said windings of the interlocking relay in a track circuit for a different one of said two outer sections, said means including two alternate paths one of which is a pickup path controlled by said track relay and the other of which is a stick path controlled by the associated winding, and means controlled by each of said windings of the interlocking relay for operating said signal.

2,186,795
LATCH
Lloyd L. Anderson, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application October 18, 1937, Serial No. 169,633
8 Claims. (Cl. 292—64)



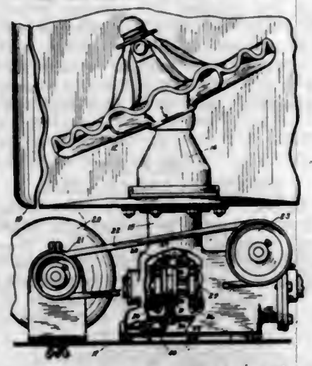
1. In a latch structure, a support having spaced apart sides, a latch bolt located between the sides of the support, a guide carried by said support for the latch bolt, a member pivotally mounted at one end between the sides of the support and having a direct pivotal connection at its opposite end to the inner end of the latch bolt, thereby providing a toggle structure, stop means mounted on said support having a connection with said toggle structure at its breaking point, whereby movement of said stop means will cause a pivotal movement of said toggle structure.

2,186,796
TILTABLE TRUCK BODY
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application October 1, 1938, Serial No. 232,703
14 Claims. (Cl. 298—38)



1. In a vehicle, a supporting frame, a dump body rockable on said frame, a fixed stop on said body, quickly releasable means mounted on said frame for engaging said stop to lock said body against rocking movement, and an adjustable pressure bearing clamp for tightly and rigidly securing said body to said frame.

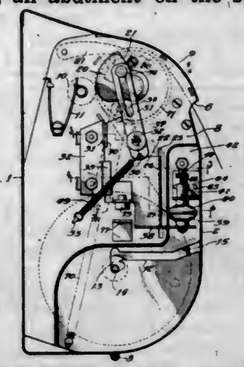
2,186,797
DRIVE MECHANISM
John P. Beattie, Oak Park, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application October 23, 1937, Serial No. 170,599
13 Claims. (Cl. 192—55)



1. In a motion transmitting mechanism, the combination of a rotatable driven member, a rotatable driving member, and clutch means for positively transmitting rotary motion from the driving member to the driven member, said means comprising a spirally formed yieldable element anchored at one end to one of said members, the other end thereof being free, and a fixed element carried by the other member and movable into operative engagement with the free end of said yieldable element, whereby the torque load of the driving member is resiliently assumed by and imparted to said driven member.

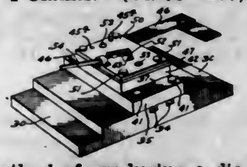
2,186,798
STOP MECHANISM FOR DISPENSING DEVICES
Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application January 23, 1939, Serial No. 252,281
15 Claims. (Cl. 271—2.3)

1. A dispensing cabinet having therein an upright support having feeding means mounted thereon, a stop for the feeding means, a plate having a stop adapted to be moved into the path of the feeding means stop, means slidably mounting the plate, including a vertical slot in the support, a flange on one edge of the plate slidable in the slot, means on the flange engageable with the inner face of the support in the manner to slidably hold the plate against motion away from the support, an abutment on the support with



which the opposite vertical edge of the plate slidably engages, means on the abutment for limiting outward movement of the plate away from the support, a spring functioning to move the plate away from stop position and acting to urge the edge of the plate against said abutment, and means by which the feeding means moves the plate to stopping position and then releases the plate for independent movement away therefrom.

2,186,799
METHOD OF PRODUCING DIE SETS
Vitus A. Boker, Minneapolis, Minn.
Application February 2, 1938, Serial No. 188,313
4 Claims. (Cl. 76—107)

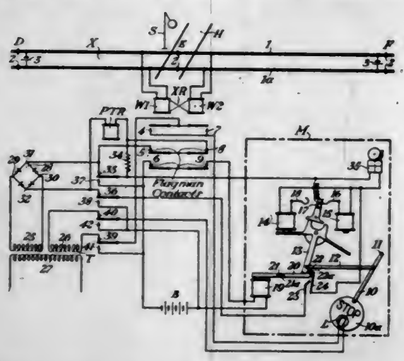


1. The method of producing a die member including a die plate and die support; which comprises first forming in the die support aligning pin clearance passages that are slightly larger than the alignment pins to be entered therein; next making a die plate with punch passages, dowel pin seats, and alignment pin passages therethrough, which latter register with, but are formed slightly smaller than, the alignment pin clearance passages of said die support; next hardening the die plate with resulting distortion; next using the hardened die plate to layout the punch passage and dowel pin seats in said die support, and finally finishing said punch passage and dowel pin seats and securing said die plate upon said die support with the punch passages and alignment pin passages in registration.

2,186,800
RAILWAY SIGNALING APPARATUS
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 15, 1938, Serial No. 240,525
5 Claims. (Cl. 246—130)

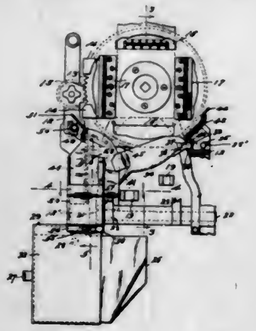
4. In combination with a section of railway

track having a track relay responsive to traffic conditions in the section, a signal which requires a given operating voltage for operation, two sources of current one of which is a normal source and the other of which is a stand-by source, a normally energized power transfer relay, a pick-up circuit for said power transfer relay receiving energy from said normal source and controlled by said track relay, a stick circuit for said power



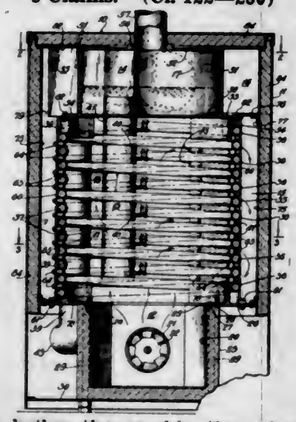
transfer relay also receiving energy from said normal source and including a resistor whereby when said signal is caused to operate said power transfer relay is maintained picked up only if the voltage received by the relay from the normal source exceeds the operating voltage of said signal, and means controlled by said power transfer relay for conditioning said signal for operation from one or the other of said two sources of current.

2,186,801
SPOUTING SYSTEM FOR TYPE CASTING MACHINES
George L. Curle, Minneapolis, Minn.
Application March 24, 1938, Serial No. 197,820
10 Claims. (Cl. 199—59)



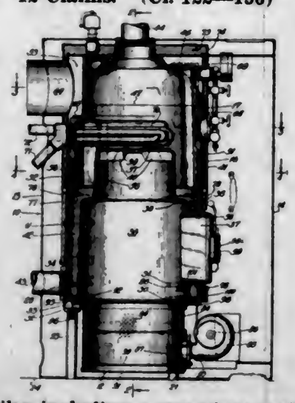
1. The combination, in a type casting machine having a vise frame mounted for opening and closing movement, and a spout for a type bar sawing device mounted on said frame, of a receptacle, a conduit arranged to discharge into the receptacle, said spout having a movable auxiliary spout arranged to discharge into the conduit, and means for moving the auxiliary spout into an inoperative position during movement of the vise frame.

2,186,802
HEATING APPARATUS
Bernard Goerg, Scarsdale, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application April 20, 1938, Serial No. 203,033
9 Claims. (Cl. 122—250)



1. In a boiler, the combination of means defining an upright combustion chamber having a gas-exit opening in one side and comprising a plurality of superposed spaced pipe coils arranged substantially symmetrical about a vertical axis, and means for closing the spaces between coils to provide with the coils a continuous wall surface except at the gas-exit opening; wall means defining a steam and water space above said coils; and water circulating means communicatively connecting said coils and said space.

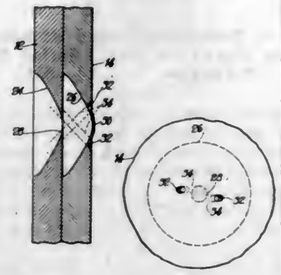
2,186,803
HEATING APPARATUS
Bernard Goerg, Scarsdale, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application June 30, 1938, Serial No. 216,733
12 Claims. (Cl. 122—156)



1. A boiler including a one-piece casting comprising a double-walled body portion, the lower portion of which encloses a combustion chamber; the inner wall being closed by a transverse wall forming the crown of the combustion chamber and the outer wall extending above said crown and being closed by a top wall enclosing a water

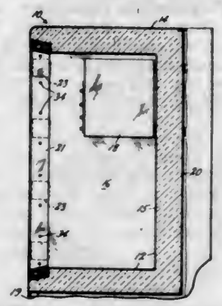
space above said crown; upper portions of the opposite sides of the outer wall being offset inwardly relative to the lower portion of said outer wall to form recesses separated by lateral extensions of said outer wall above said lower portion thereof; gas-exit tubes leading from the combustion chamber to said recesses; and a wall member enclosing the upper portion of said casting and enclosing said recesses and having a flue outlet.

2,186,804
NOZZLE
William Fownes Hamilton, Altadena, Calif., assignor of one-half to Walter R. Allen, Los Angeles, Calif.
Application November 4, 1937, Serial No. 172,753
3 Claims. (Cl. 299—120)



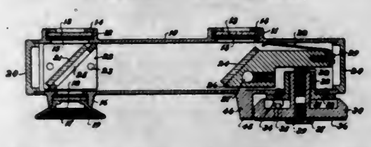
3. In an atomizer, a spray plate traversed by a spray orifice defined by a knife edge, and a swirl plate mounted closely parallel to said spray plate and having a concavity on its side facing said spray orifice, said swirl plate having swirl passages oppositely inclined toward opposed sides of said spray orifice, and means for conducting a liquid under pressure to said swirl passages.

2,186,805
REFRIGERATOR
Alvar Lenning, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 4, 1938, Serial No. 199,890
In Germany April 6, 1937
5 Claims. (Cl. 220—9)



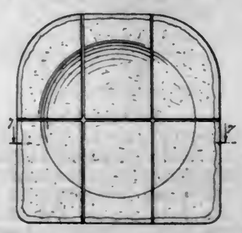
1. Refrigerator cabinet structure including inner and outer metal walls spaced apart to form heat insulation space therebetween, a plurality of pieces of a resinous product located at intervals between the edges of said walls and fastened thereto, a strip of metal located between spaced edges of said walls out of contact therewith and fastened to said pieces, and a trim strip of thermal insulating material overlying edges of said walls and secured to said metal strip.

2,186,806
RANGE FINDER
Oscar Liebmann, Bergenfield, N. J., assignor to Q. O. S. Corporation, New York, N. Y., a corporation of New York
Application July 20, 1939, Serial No. 285,528
1 Claim. (Cl. 88—2.4)



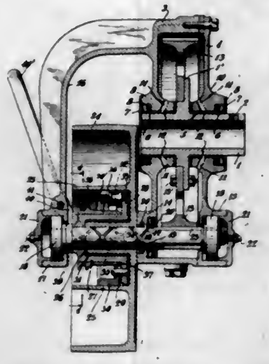
In a range finder of the character described a tubular housing closed at both ends; two substantially square windows in said housing, one near each end of the housing and located on one of the four sides of same; a viewing aperture on the opposite side of the housing and in line with one of the square windows; a fixed semi-transparent reflector mounted at an angle inside the tubular housing between the viewing aperture and one of said windows; a shaft pivoted transversally through the tubular housing; a lever turnable on said pivot, the short end of the lever being planed off at a 45 degree angle with its longitudinal axis; a mirror fastened to the inclined plane of the lever; a spring fastened to the other end of the lever, said lever and spring being located at one end of the tubular housing; a tapped bushing fastened to the rear side of the tubular housing; a finely threaded hollow sleeve one end of which has a large head, said threaded sleeve running in the tapped bushing; a dial plate fastened on the flat top of the head; an adjustable set-screw in said hollow sleeve in engagement with the reflector lever; a lock screw closing the outside opening of the hollow sleeve, and stops limiting the rotation of the dial.

2,186,807
METHOD OF TOASTING BREAD
Lester Neuberger, New York, N. Y., assignor to Ward Baking Company, New York, N. Y., a corporation of New York
Application June 30, 1937, Serial No. 151,317
1 Claim. (Cl. 99—86)



The method of toasting sliced bread without removing the crust which consists in compressing the slices of bread to reduce its thickness between two plates shaped to compress the entire middle portion of the slice within the periphery to a greater extent than the periphery, and then immediately thereafter applying heat to said plates for a period of time and at a temperature to completely toast the bread while so held between said plates.

2,186,808
POWER TRANSMISSION DEVICE
David K. Pilkington, Sunbury-on-Thames, England, assignor, by mesne assignments, to Richard Lewis Woodhouse, Melbourne, Victoria, Australia
Application April 17, 1936, Serial No. 74,857
In Great Britain June 7, 1935
4 Claims. (Cl. 74—242.9)



1. In a power transmission device, a rotatable support, a spur gear mounted on said support, a carrier mounted on said rotatable support, to swing freely about the axis of said support, a pulley shaft journalled on said carrier parallel to said axis, a pulley and a pinion mounted on said pulley shaft, said pinion meshing said spur gear, said carrier including a lubricant-tight housing enclosing said gear and pinion, said housing having an opening provided with a lubricant seal through which said pulley shaft passes, a clutch located outside said housing between said pulley and pulley shaft, said pulley shaft having means for leading lubricant from the inside of said housing to the bearing surfaces of said clutch.

2,186,809
LOCKING SLIDE FOR FASTENING DEVICES
Abraham Pindek, Brooklyn, N. Y.
Application February 26, 1936, Serial No. 65,757
6 Claims. (Cl. 24—205)



1. A slide, for slide-operated fasteners, having a member extending over the top of the slide and adapted to pass between the interlocking members of the fastener as the slide is moved in one direction or the other; a bearing formed on said member; a shaft rotatingly mounted in said bearing axially with the slide; a handle member secured to the upper end of said shaft; a detent secured to the lower end of the shaft and which, when turned transversely to the interlocking members of the fastener, will engage with one of these interlocking members and prevent the opening of the fastener; and a finger grip secured to the front face of the slide for operating same.

2,186,810
SAFETY PAPER AND METHOD OF MAKING SAME
Francis L. Simons, Needham, Mass., assignor to George La Monte & Son, Nutley, N. J., a corporation of New Jersey
No Drawing. Application June 20, 1936, Serial No. 86,349
15 Claims. (Cl. 91—67.95)

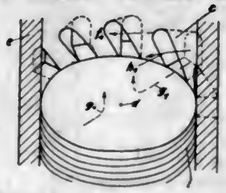
1. Safety paper having incorporated therewith a substantially colorless substance whose molecular structure includes the atomic grouping N—C—C—N, each of the nitrogen atoms attached to the adjacent carbon atoms in said group being contained in a separate ring structure and at least one of said nitrogen atoms being attached to one of said carbon atoms by a double bond.

2,186,811
CLIP
Hubert J. Uhlmann, Grand Rapids, Mich.
Application March 14, 1938, Serial No. 195,795
2 Claims. (Cl. 24—84)



2. A clip comprising opposing portions adapted to normally remain apart, means to releasably lock said portions in closed relation including a tongue extending from one of said portions having an opening therein, an opening in the other of said portions having a member extending from one edge thereof, said member adapted to enter said opening in the tongue when said portions are pressed together and stay in that position until a flexing of said tongue releases same.

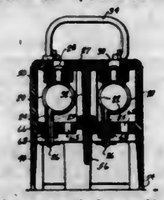
2,186,812
INTERNAL COMBUSTION ENGINE
Franz Zahren, Brunswick, Germany, assignor to the firm Büssing-Nag Vereinigte Nutzkraftwagen Aktiengesellschaft, Brunswick, Germany
Application December 18, 1937, Serial No. 180,482
In Germany December 19, 1936
6 Claims. (Cl. 123—65)



1. An internal combustion engine, especially a high-speed two-stroke internal combustion engine provided with direct current scavenging and inlet slots controlled by the working piston and distributed over the periphery of the cylinder in the same zone, in which engine the angle between the side faces of each slot and the tangent to the cylinder gradually varies from a value of

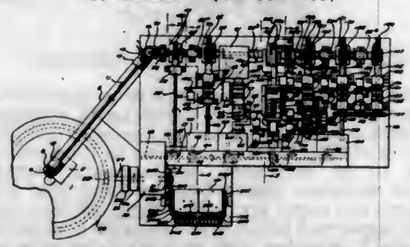
less than 90 degrees to a total amount of about 90 degrees, and the angle between the upper faces of the slots and the axis of the cylinder differs from the angle between the lower faces of the slot and the axis of the cylinder.

2,186,813
CIRCUIT INTERRUPTING AND PROTECTING DEVICE
Frederick B. Adam, St. Louis County, and Henry M. Stieglitz, St. Louis, Mo., assignors to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application June 29, 1936, Serial No. 87,858
19 Claims. (Cl. 200—114)



1. In a fuse cutout switch, switch blades, switch blade receiving contacts, and a switch blade supporting means, said switch blades being secured to said supporting means and having cooperating end portions extending in a direction substantially perpendicular to the plane of said supporting means and expanded portions adapted to encircle a ferrule type fuse terminal the cooperating end portions being offset on the same side of the center of the expanded portions and arranged to exert pressure against each other when inserted in the receiving contacts.

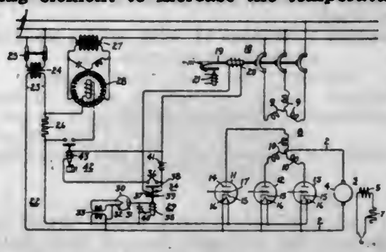
2,186,814
TEXTILE FABRIC MANUFACTURE
Arthur H. Adams, Yonkers, N. Y.; Edith R. Adams, executrix of said Arthur H. Adams, deceased, assignor to Herman Epstein, Newark, N. J.
Application August 16, 1934, Serial No. 740,075
47 Claims. (Cl. 66—125)



1. The method of producing knitted fabrics of polychrome yarn having recurrent color patterns which comprises, feeding yarn to the machine, measuring off a predetermined number of color patterns per course of the machine, and checking the number of color patterns fed to the machine at least once every course, whereby errors that may occur in the yarn feed will not be permitted to accumulate.

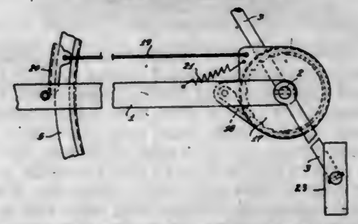
2,186,815
PROTECTIVE SYSTEM FOR ELECTRIC VALVE TRANSLATING APPARATUS
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 7, 1938, Serial No. 200,813
15 Claims. (Cl. 175—363)

1. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected between said circuits and comprising electric valve means having an anode, a cathode and a heating element for said cathode, a circuit for energizing the cathode heating element comprising a source of alternating current for transmitting a relatively large current to the cathode heating element to increase the temperature of



the cathode to a suitable value for operation, means for energizing the anode-cathode circuit of said electric valve means, and time delay means responsive to the energization of the cathode heating element circuit for reducing the value of the current supplied to said cathode heating element as the current transmitted by said translating apparatus increases.

2,186,816
COASTER BRAKE
Adler H. Bernier, Detroit, Mich.
Application January 3, 1938, Serial No. 182,961
7 Claims. (Cl. 192—5)



2. In combination, a pedal operated axle, a wheel loosely mounted on said axle, an over-riding clutch between said axle and wheel and having gravity biased means for establishing a driving connection therebetween upon rotation of the axle in one direction, means operated by reverse rotation of the wheel for rendering said gravity biased means inoperative, a pivoted brake shoe adapted to engage the tread of said wheel, and means operated by reverse rotation of the axle for actuating said brake shoe.

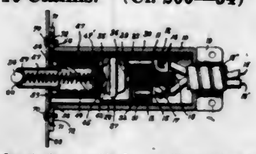
2,186,817
FILTER GLASS HOLDER
Frederick M. Bowers, Chester, Pa.
Application March 16, 1938, Serial No. 196,128
11 Claims. (Cl. 2—8)



1. The combination with a welding shield or helmet having a surface formed with a window opening and an anchoring opening, of a filter glass holder formed from a compressible and elastic material, and which holder has a fastening element integrally formed therewith which may be deformed to permit the same to pass through

the said anchoring opening, and which assumes a fastening or retaining position after it has passed through the opening.

2,186,818
ELECTRIC SWITCH
George R. Brown, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 11, 1937, Serial No. 173,954
10 Claims. (Cl. 200—54)



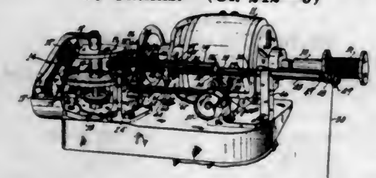
2. In an electric switch, a liquid circuit closer having terminal portions, one of said terminal portions having a depression formed therein, a rotatable member having a key engaging said depression, opposed contact means mounting said circuit closer for rotation, an element having a spiral groove engaging said member, and a plunger having means engaging said groove whereby reciprocation of said plunger causes rotation of said circuit closer.

2,186,819
REVERSIBLE BUCKLE
Herbert Buchsbaum, Chicago, Ill.
Application August 17, 1938, Serial No. 225,281
4 Claims. (Cl. 24—178)



3. A reversible belt buckle of the character described comprising a rigid frame having spaced side bars connected by three cross bars, two of said cross bars comprising end bars connecting the ends of the side bars and the third cross bar comprising a centrally disposed belt and tongue supporting bar, a straight tongue pivoted on said central bar and longer than the distance from the center bar to the end bars and having its opposite sides alike, whereby to engage either end bar in the same manner, and a belt attaching clip pivoted on said middle bar, said end bars each having angular inner edges adapted to receive the tip of the tongue, and said tongue being recessed so as to lie flatly against the said edges of the end bars.

2,186,820
COIL WINDING MACHINE
Penrose E. Chapman, St. Louis, Mo.
Application April 29, 1935, Serial No. 18,800
16 Claims. (Cl. 242—9)



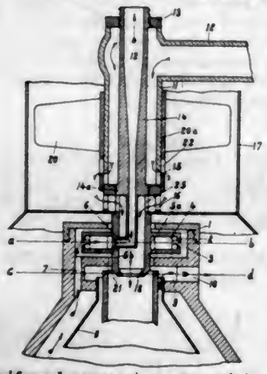
1. In a wire winding machine, a reversible traverse mechanism comprising a double disc and roller assembly, a traverse element for guiding the wire being wound driven by said roller, a transfer element for oscillating the said roller from one disc to the other to effect reversal of movement of the traverse element, a shipper actuating said transfer element, stops upon said shipper arranged to be contacted by said traverse element.

2,186,821
ACCELERATOR FOR UREA-FORMALDEHYDE MOLDING COMPOSITIONS
David E. Cordier, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application August 3, 1938, Serial No. 222,750
3 Claims. (Cl. 260—9)

1. A thermosetting molding composition comprising a formaldehyde-urea reaction product and O-benzoyl N,N-dibenzyl hydroxyl amine as a latent accelerator.

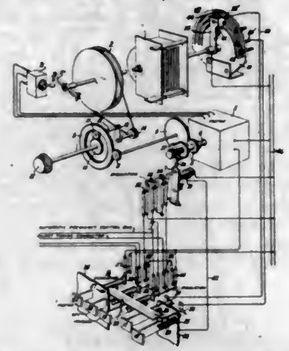
3. A formaldehyde-urea molding composition comprising a formaldehyde-urea reaction product, cellulosic material, and O-benzoyl N,N-dibenzyl hydroxyl amine as a latent accelerator.

2,186,822
ARRANGEMENT IN SEPARATORS FOR PREVENTION OF FOAM CREATION
John Gustaf Degerth, Helsingfors, Finland, assignor, by mesne assignments, to Wärtsilä-Yhtymä O/Y.-Wärtsilä-Koncernen A/B, Vartsila, Finland, a corporation of Finland
Application December 6, 1935, Serial No. 53,247
In Finland December 29, 1934
1 Claim. (Cl. 233—22)



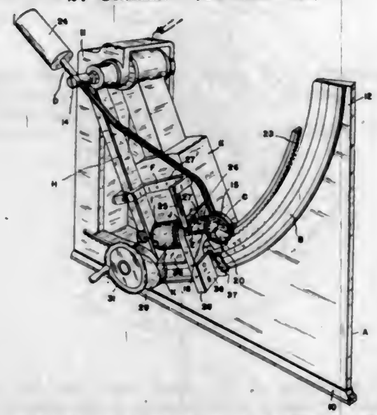
A centrifugal separator comprising in combination a bowl rotatable on a vertical axis, a vertical feed pipe extending axially of the bowl from the upper part thereof for conducting to the bowl the fluids to be separated, a stationary annular shaped skimmer disposed around the feed pipe adjacent the upper portion of the bowl, said bowl at its upper end being provided with a structure forming a chamber and enclosing the skimmer and adapted to retain a wall of the separated heavy fluid therein and being provided with a passageway for conducting the heavier separated fluids from the separating zone of the bowl to the chamber, said skimmer being of a diameter great enough to penetrate the wall of heavy fluid in said chamber and comprising an annular casing provided with a peripheral obliquely downward extending slit and having means inside the casing forming an annular space surrounding the said pipe, and generally radial channels extending from the slit in the casing to the space and expanding in size from the slit to the space, the space being of relatively larger size than the channels, and an outlet pipe for the heavier separated fluids disposed in the said pipe longitudinally thereof and having communication with the space so as not to obstruct entry into the bowl through the feed pipe of the fluid to be separated.

2,186,823
TUNING SYSTEM
Donald R. De Tar, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application July 1, 1937, Serial No. 151,432
3 Claims. (Cl. 250—20)



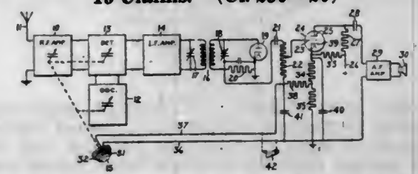
1. In a high frequency receiver having a tuning device, the combination of a motor for driving said tuning device, a unitary control key assembly comprising a plurality of keys, certain of said keys corresponding to respective frequencies to which said receiver may be tuned, and other of said keys corresponding to certain other operations to be effected, means automatically responsive to operation of any of said certain keys to energize said motor until the receiver is tuned to a frequency corresponding to that one of said certain keys operated, and then to deenergize said motor, means responsive to operation of one of said other keys to energize said motor during the entire time during which said key is operated, means responsive to operation of another of said other keys to prevent energization of the motor while said other key is operated and to energize the receiver, and manual means for operating said tuning device when said motor is deenergized.

2,186,824
DEFORMATION AND RESILIENCE APPARATUS
Harry W. Dietert, Detroit, Mich.
Application December 13, 1937, Serial No. 179,590
27 Claims. (Cl. 265—12)



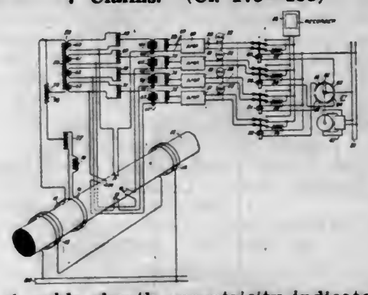
1. In a testing apparatus, a shaft, a scale substantially concentric with said shaft, a weight suspended from said shaft, a pusher arm for the weight suspended from said shaft, means carried by said arm and weight for holding a test specimen, means for actuating said arm to transmit motion through said specimen to said weight, means for indicating the deformation of said specimen, and means actuable by said weight over said scale to determine the compressive strength of said specimen.

2,186,825
AMPLIFIER MUTING CIRCUIT
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 23, 1938, Serial No. 203,935
15 Claims. (Cl. 250—20)



1. The combination, in a signalling system, of means for receiving signal impulses, means for amplifying received signal impulses, means for reducing the amplification of said amplifying means, and means responsive to the electrical conductivity of the human body for actuating said last named means.

2,186,826
ECCENTRICITY INDICATOR
Robert F. Edgar, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 12, 1936, Serial No. 100,526
7 Claims. (Cl. 175—183)

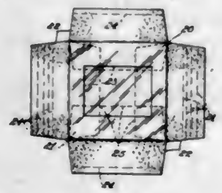


1. A cable sheath eccentricity indicator comprising in combination, an exciting coil adapted to surround a sheath to be tested, a compensating coil adapted to surround the sheath, a second compensating coil with inductance in circuit therewith, said second compensating coil also being adapted to surround the sheath, a pair of contact points adapted to touch adjacent points on a circumference of a cable sheath to be tested, and current responsive apparatus connected in series operative relation with said points and said compensating coils.

2,186,827
LANTERN SLIDE CONSTRUCTION KIT
Albert W. Engel, Chicago, Ill.
Application October 21, 1937, Serial No. 170,214
5 Claims. (Cl. 88—26)

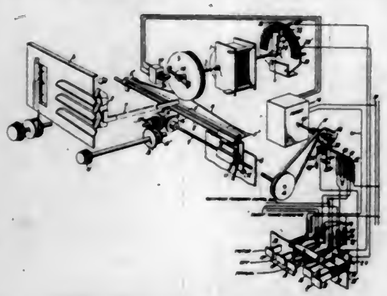
1. In a lantern slide, the combination of a film comprising a picture area and perforated mar-

ginal portions at two opposite edges beyond the picture area, and a flat mask of fibrous sheet material entirely coated on one face with normally dry gum adapted to be rendered adhesive when moistened, said mask having a principal area greater than that of the film and its perforated margins with a sight opening in said area whereby the film may be shifted in its own plane to adjust its picture area in the desired relation to the sight opening, the film being applied against said



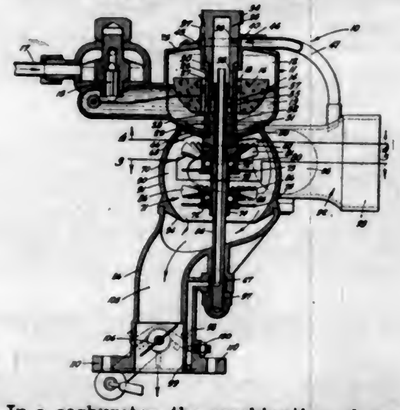
principal area of the mask with its perforated marginal portions overlying the gummed surface of the mask adjacent the sight opening, and the mask having flaps dimensioned to be folded over the perforated margins so that said flaps, upon being moistened and then folded over said perforated margins of the film, become adhesively secured to the opposed portions of the mask exposed through the perforations, thus locking the film in position between the mask and its flaps.

2,186,828
TUNING SYSTEM
Edward W. Forstrom, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application June 25, 1937. Serial No. 150,389
4 Claims. (Cl. 250—40)



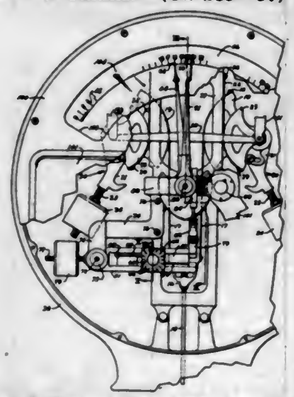
1. In a tuning system including a tuning device adapted to be adjusted to a plurality of positions, a dial, an index cooperating with said dial, and a motor, a pulley connected to said tuning device, a reciprocating carriage, a belt connecting the carriage and pulley, means to mount said index on said carriage, a screw, a screw-threaded member connected with said carriage and cooperating with said screw, means to drive said screw by said motor to adjust selectively and automatically said tuning device to certain predetermined positions, means to deenergize said motor, and manual means to drive said screw to adjust said tuning device to other predetermined positions, said manual means comprising a control shaft, a driven member connected to said screw, and a driving member operatively associated with said control shaft and adapted to be rotated thereby and to be pressed thereby into engagement with said driven member.

2,186,829
AIR TURBINE CARBURETOR
William O. Haddock, Los Angeles, Calif.
Application February 10, 1937, Serial No. 125,099
Renewed June 9, 1939
5 Claims. (Cl. 261—83)



1. In a carburetor, the combination of: means forming a float chamber; a float needle valve for feeding fuel to said chamber; a float in said chamber for controlling said valve; a volute disposed beneath said float chamber means and having a centrifugal chamber, a tangential air inlet and an axial air outlet extending downwardly from said chamber; throttle valve means connecting said axial air outlet with the intake manifold of an internal combustion engine; means for conducting liquid fuel from said float chamber and discharging it into the upper end of said centrifugal chamber; and a fuel beating rotor mounted for free rotation in said centrifugal chamber so that said fuel comes in contact with said rotor when it is discharged into said centrifugal chamber.

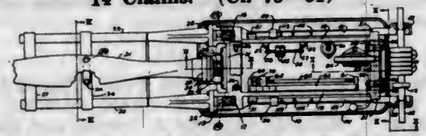
2,186,830
WEIGHING SCALE
Halvor W. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application September 28, 1938, Serial No. 232,147
9 Claims. (Cl. 265—37)



1. In a device of the class described, in combination, weighing mechanism, a movable member, a member having a relatively long flat face attached to said movable member, a rack actuated by said movable member, a second rack

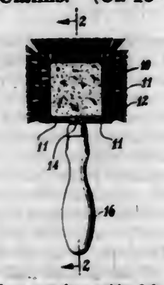
actuated by said relatively long flat faced member, indicating means actuated by each of said racks for indicating weights of loads placed on said weighing mechanism, means whereby the indication actuated by said second rack may be caused to indicate an amount proportional to the amount indicated by said indicating means actuated by said first mentioned rack, said means comprising a lever, a fulcrum pivot for said lever, means on said lever for pivotally supporting said second rack at a fixed distance from said fulcrum pivot, a movable block secured to said lever, a pin fixed in said block for engaging said flat faced member secured to said movable member at a plurality of points variously spaced from said fulcrum pivot of said lever, manipulative means for moving said block and said pin relatively along the flat face of said flat faced member and a second block attached to said lever and actuated by said manipulative means in a direction opposed to the direction of movement of said first block for maintaining the balance of said lever.

2,186,831
TESTING DEVICE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application October 19, 1938, Serial No. 235,832
14 Claims. (Cl. 73—51)



1. In a device of the class described, in combination, a beam, aligned pivots in said beam forming a rocking axis, a receiver secured to said axis and adapted to hold the shank of a blade for a rotatable propeller on one side of said axis, means secured to said beam on the other side of said axis for the reception of a counterpoise, said receiver being adapted to receive such shank of said blade when held horizontal and lowered vertically into engagement with said receiver, said receiver being adapted to hold said blade so that the rocking axis of said beam has substantially the same relation to said blade as said blade has to the axis of rotation of such rotating propeller, and means movable in the longitudinal direction of said propeller blade for clamping such shank of said blade in said receiver.

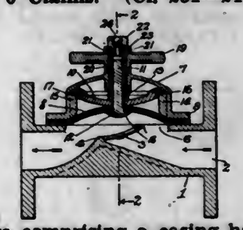
2,186,832
BRUSH
William Hertzberg, New York, N. Y., assignor to Hertzberg Patents, Inc., New York, N. Y., a corporation of New York
Application January 5, 1939, Serial No. 249,384
4 Claims. (Cl. 15—114)



1. In a brush, a prismatic block of sponge rub-

ber or the like, a frame surrounding the edges of said block consisting of a pair of wires, bristles entwisted between said wires forming a cylindrical brush thereon in contact with and covering some of the side surfaces of said block, a tang formed by the bare end portions of said wires extending perpendicular to one side of said block, a handle enclosing said tang and means held within said handle and block for supporting said block in a common plane with the axis of said brush.

2,186,833
VALVE
George A. Iler, Riverside, Ill.
Application March 11, 1939, Serial No. 261,195
6 Claims. (Cl. 251—24)



1. A valve comprising a casing having a passageway therethrough, an opening in said casing, a wall extending crosswise of said passageway, having its middle portion at one side of the center of the said opening in the valve casing and its ends connecting with the valve casing at the other side of the center of said opening, a cover for said opening, a diaphragm having its edges held between the cover and the casing, a follower plate for said diaphragm, a valve stem connecting said follower plate and diaphragm together, said valve stem having a head at one end, clamping means for clamping the follower plate and diaphragm between it and said head, the head of said valve stem being at one side of said wall when the diaphragm is in its closed position, and means for moving said diaphragm into and out of contact with said wall to close and open the valve.

2,186,834
BRAKE MECHANISM
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application September 29, 1937, Serial No. 166,439
8 Claims. (Cl. 188—78)



1. In brake mechanism, a brake drum rotatable

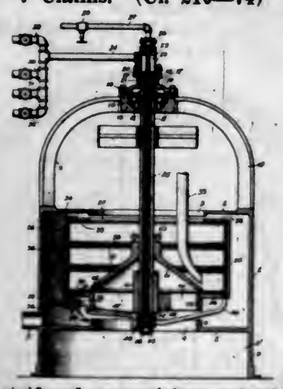
in opposite directions, brake friction means supported within said drum for movement relative to the latter into engagement therewith and having spaced ends, and an actuator of the link and lever type interconnecting said ends and effective in the forward direction of rotation of the drum to move the end of the leading portion of the friction means into engagement with the drum at a substantially zero actuating angle and upon reverse direction of rotation of the drum to move the adjacent end of the friction means into engagement with the drum at a positive actuating angle.

2,186,835
FOAM REMOVING UTENSIL AND STRAINER
John J. McCauley, Chicago, Ill.
Application April 18, 1938, Serial No. 202,810
1 Claim. (Cl. 65—12)



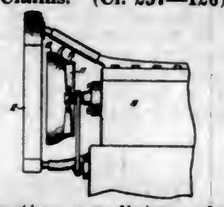
In a foam removing utensil and strainer the combination of a straight, elongated and relatively thin portion adapted to be used as a handle, a portion of one edge of said elongated portion being straight for passing over the edges of a glass to remove the top foam from beer or the like in said glass, a flat, thin head portion integral with said elongated portion, said head portion being in the shape of a flat thin disc in the plane of the elongated portion, for scooping out a portion of foam from a glass, said head portion being provided with an aperture therein to allow the head portion to be placed across the mouth of a glass for retaining foam therein, yet permitting easy flow of heavy liquid from said glass through said aperture, substantially as and for the purposes set forth.

2,186,836
PROCESS AND APPARATUS FOR TREATING MATERIALS IN CENTRIFUGALS
John P. McGlaughlin, Crugers, N. Y.
Application July 10, 1937, Serial No. 152,876
7 Claims. (Cl. 210—74)



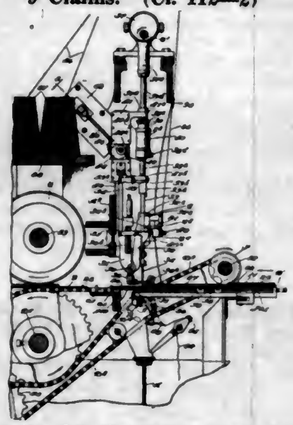
1. A centrifugal comprising a basket, means for rotatably supporting said basket and means for feeding material to be treated into said basket, said basket including an imperforated tubular side wall, a top having a centrally positioned aperture, a bottom having a centrally positioned opening, means dividing the space enclosed by said side wall, top and bottom into annular compartments all open on the side facing the center of the basket, a plurality of drain valves carried by said bottom near said side wall, and an independent filter member lining each of said compartments.

2,186,837
FAN
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 30, 1937, Serial No. 133,842
6 Claims. (Cl. 257—126)



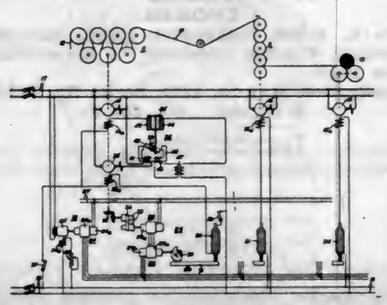
1. In combination, a radiator, a fan positioned adjacent said radiator and adapted to draw a fluid through said radiator, means for driving said fan, and a cowling secured to the periphery of the fan and having an enlarged inlet opening adjacent said radiator.

2,186,838
APPARATUS AND METHOD FOR MANUFACTURING UPHOLSTERY TRIM PANELS
Allister S. Mitchell, Clarence J. Davies, and Harold M. Ratley, Detroit, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application February 1, 1937, Serial No. 123,538
9 Claims. (Cl. 112—2)



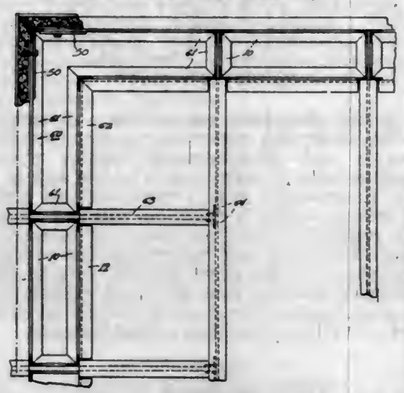
1. Apparatus for the purpose set forth, comprising mechanism for advancing panel-plates provided with panel-covers to and past sewing position; sewing mechanisms, including reciprocable needles operatively positioned adjacent said advancing mechanism, for sewing said panel-covers to said panel-plates; and control-means controlled by the panel-plates for regulating the operation of said sewing needles comprising mechanism for holding the sewing needles from fabric-engaging position, a clutch for operating said holding mechanism, and spaced fingers disposed in the path of the panel-plates for controlling the operation of said clutch.

2,186,839
CONTROL SYSTEM
Harold W. Rogers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 19, 1938, Serial No. 191,508
14 Claims. (Cl. 172—293)



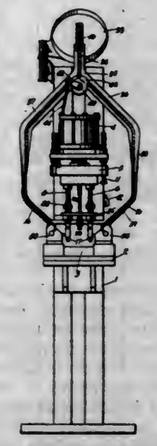
1. A control system comprising in combination a main dynamo-electric machine, a control dynamo-electric machine mechanically coupled to said main machine, means responsive to a deviation of a terminal electrical characteristic of said control machine from a predetermined value for controlling said main machine to decrease said deviation, a master speed device, and means responsive to a variation in the speed ratio of said control machine and master speed device for varying the excitation of said control machine to restore said speed ratio to its original value.

2,186,840
BUILDING CONSTRUCTION
Walter S. Rugg and Henry D. James, Pittsburgh, Pa.
Application February 29, 1936, Serial No. 66,435
6 Claims. (Cl. 189—1)



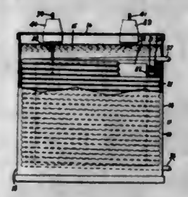
2. In a multiple unit wall assembly for a building construction including a foundation shaped to support two walls at right angles to each other, a plurality of pre-fabricated structural elements disposed in edge-to-edge relation to constitute the frame work of said walls, a plurality of floor beams extending perpendicularly to one of said walls and having end portions interfitted between adjacent structural elements, and short beams extending perpendicularly to said floor beams having the outer ends thereof interfitted between adjacent structural elements of the other wall, and means for securing the inner ends of said short beams to a floor beam.

2,186,841
RIVET FEEDING MECHANISM
Andrew E. Rylander, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 8, 1939, Serial No. 260,609
7 Claims. (Cl. 218—0.5)



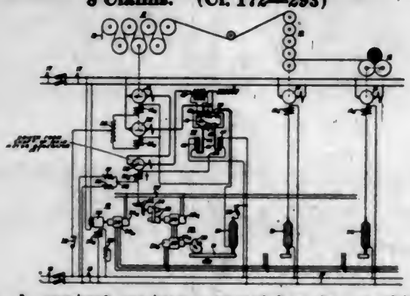
1. The combination of a single hopper to feed rivets to a multiplicity of chutes, a single main chute automatically fed from the hopper and having a pair of branch chutes diverging therefrom, means for alternately feeding the rivets, one at a time, to the branch chutes, a plurality of auxiliary chutes for one of the branch chutes, and means operated in conjunction with the aforesaid means for feeding the auxiliary chutes from the one branch.

2,186,842
ELECTRIC CAPACITOR
Merritt E. Scoville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 25, 1936, Serial No. 92,620
6 Claims. (Cl. 175—41)



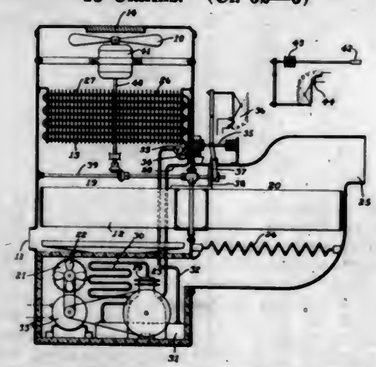
1. In a capacitor, the combination of a container, an electric capacity body disposed in said container and including interleaved conductive foil layers and spacing material layers assembled with edges of different ones of the foil layers projecting beyond the spacing material layers respectively on different sides of said body, a body of treating medium in said container surrounding said capacity body, and heat dissipating means including a coil of metal tubing adapted for the passage of cooling medium therethrough from a source external of said container and carried by said casing in surrounding relation to said capacity body with portions of the tubing in solid heat exchange relation with the projecting edges of the said foil layers throughout an extended area of said sides of the capacity body.

2,186,843
CONTROL SYSTEM
David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 28, 1938, Serial No. 204,794
8 Claims. (Cl. 172—293)



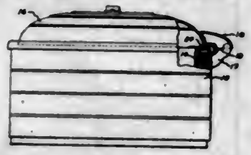
1. A control system comprising in combination, a main dynamo-electric machine electrically connected to a source of supply, an auxiliary dynamo-electric machine connected in series relationship with said main machine, speed regulating means responsive to a departure of the speed of said main machine from a predetermined value comprising a control dynamo-electric machine mechanically connected to said main machine, means responsive to a deviation of a terminal electrical characteristic of said control machine from a fixed value for controlling said auxiliary machine to decrease said departure, a master speed device and means responsive to a variation in the ratio of the speeds of said control machine and master device for recalibrating said speed regulating means thereby to restore said speed ratio to its original value and to complete the restoration of the speed of said main machine to said predetermined value.

2,186,844
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 31, 1935, Serial No. 24,232
15 Claims. (Cl. 62—6)



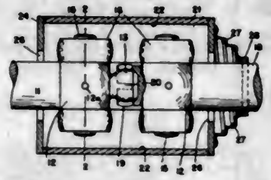
3. Air conditioning apparatus comprising an air treating section, a heat dissipating section, a regenerating section, a heat absorber in said air treating section, a heat dissipator in said heat dissipating section, heat carrying means connecting said absorber and dissipator, means for conveying a moisture absorbing medium between said air treating section and said regenerating section, means for circulating a first stream of air through said air treating section, and means for circulating a second stream of air through said heat dissipating and regenerating sections.

2,186,845
COOKER
Harry L. Stiles, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 20, 1937, Serial No. 143,765
4 Claims. (Cl. 53—8)



1. A roaster comprising a cooking receptacle, a lid for said receptacle, hinge means connecting one edge of the lid to the receptacle for swinging movement from a closed position to an upright open position, and an inwardly extending flange on said lid forming with the lid a well positioned along said edge so that when the lid is in its open position the well receives and collects drainage from the inner surface of the lid.

2,186,846
UNIVERSAL JOINT
Nikola Trbojevich, Detroit, Mich.
Application January 17, 1938, Serial No. 185,462
5 Claims. (Cl. 64—21)

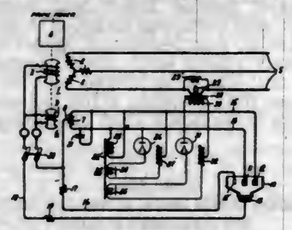


3. A universal joint comprising a driving and a driven shaft, two rollers mounted on each shaft rotatable and longitudinally slidable upon a transverse axis at right angles to the axis of the shaft, a swiveling joint connecting the driving and driven shafts, a spherical member in each shaft concentric with the point of intersection of the shaft and said transverse roller axis, a central bore in the sleeve parallel to said roller barrels for housing said spherical members and two stops limiting the floating movement of said sleeve along its axis within a fixed distance.

2,186,847
REGULATING SYSTEM
Richard Tröger, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Application June 2, 1937, Serial No. 146,096
In Germany June 11, 1936
12 Claims. (Cl. 171—119)

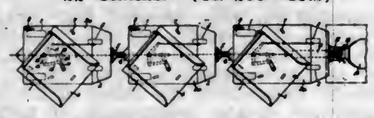
1. In an excitation system for a dynamo-electric machine having an armature winding and a field winding, the combination of an alternating current generator having an armature winding, an electric valve means connected between said armature winding of said generator and said field winding for supplying direct current thereto, and

a variable impedance inductive device connected across the armature winding of said generator to



absorb variable amounts of lagging quadrature current therefrom to control the voltage thereof.

2,186,848
TRAILER TRUCK
William G. Uhlir, Westchester, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application September 23, 1938, Serial No. 231,392
22 Claims. (Cl. 280—33.2)



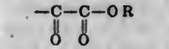
16. In a trailer train consisting of a plurality of trucks coupled together, a swiveling platform mounted on each of said trucks, a mechanism mounted on each of said trucks for swiveling each of said swiveling platforms, and means on one of said trucks for actuating said swiveling mechanisms.

2,186,849
MANUFACTURE OF PHOTOGRAPHIC SILVER HALIDE EMULSIONS
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Karl Kumetat, Alfred Fröhlich, Wilhelm Schneider, and Richard Brodersen, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1936, Serial No. 94,340. In Germany August 7, 1935
21 Claims. (Cl. 95—6)

1. A photographic silver halide emulsion containing a color former fast to diffusion, said color former being capable of forming a dye selected from the group consisting of quinoneimine—, azomethine—, and azo dyestuffs, and having an alkyl radical of a carbon chain of more than 5 carbon atoms linked to an atom of its molecule by a homopolar linkage.

2,186,850
COLOR PHOTOGRAPHY
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Adolf Sieglitz, Frankfort-on-the-Main-Hochst, and Alfred Fröhlich, Dessau in Anhalt, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application February 20, 1937, Serial No. 126,842. In Germany February 27, 1936
14 Claims. (Cl. 95—6)

1. A light-sensitive silver halide emulsion containing as a dyestuff component for color forming development a compound containing a methylene group activated by substitution of one hydrogen atom thereof by a radical having the following formula



wherein R is an alkyl radical.

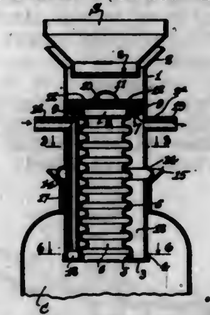
2,186,851
COLOR PHOTOGRAPHY
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Wilhelm Schneider and Alfred Fröhlich, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application October 1, 1937, Serial No. 166,832. In Germany October 7, 1936
10 Claims. (Cl. 95—6)

1. A photographic emulsion comprising a binding agent, a light-sensitive metal salt, and a color former or dyestuff component fast to diffusion with respect to said binding agent, said dyestuff component having chemically linked to its molecule a radical having substantially the chemical structure of a sterol.

2,186,852
PHOTOGRAPHIC SILVER HALIDE EMULSIONS
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Wilhelm Schneider, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
No Drawing. Application November 23, 1937, Serial No. 176,058. In Germany December 18, 1936
12 Claims. (Cl. 95—6)

1. A silver halide emulsion for color photography containing a dyestuff component fast to diffusion, said dyestuff component being capable of forming a dye with the oxidation product of a developer and containing in its molecule a radical having substantially the chemical structure of a saturated bicyclic terpene having a dimethyl substituted carbon atom as the bridge common to the rings.

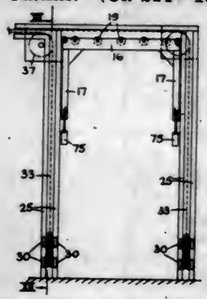
2,186,853
MILK COOLER
Peter R. Yost, Goshen, Ind.
Application September 17, 1938, Serial No. 230,477
2 Claims. (Cl. 257—179)



1. In a milk cooler, the combination of a cylindrical jacket of suitable size to be inserted and extending down into the neck of a conventional large milk can, having a projection seating on the flared neck of the milk can, an annular bottom member having spaced upturned flanges, one of the said flanges being secured to the afore-

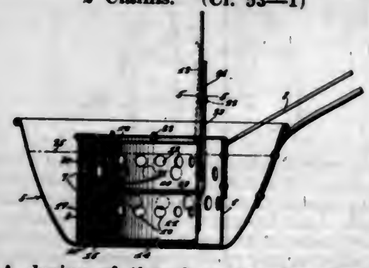
said jacket, a corrugated pipe mounted in the aforesaid jacket, a perforated plate seated on the top of the corrugated pipe, an inlet tube opening into the jacket adjacent the upper end of the corrugated pipe and terminating at a point close to the lower end of the corrugated pipe, and an outlet tube in the jacket opposite the inlet tube, each of said tubes being of suitable size for attachment to hose.

2,186,854
STORAGE EQUIPMENT
Harold Auger, Burnham, and Ward Edgerly Pearson, London, England; Natalie Pearson Nicholson executrix or administratrix of Ward Edgerly Pearson, deceased
Application September 22, 1938, Serial No. 231,244
In Great Britain September 25, 1937
7 Claims. (Cl. 214—16.1)



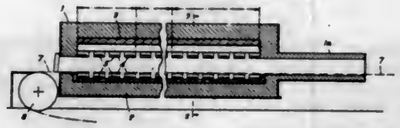
1. Storage equipment comprising a plurality of supporting devices for goods to be stored located in two ranks one vertically over the other and movable longitudinally along said ranks, elevator means at each end of the pair of ranks for moving said goods supporting devices vertically from either rank to the other, means for supporting said goods supporting devices in the elevator space at each landing independently of the elevator, the supporting means at the upper landings being retractible to permit movement of a goods supporting device by the elevator, the number of supporting devices being such as to occupy fully each rank whilst at least one of the supporting means at the four elevator landings is unoccupied, and power actuated means associated with each rank for moving the goods supporting devices bodily along the rank in question through a distance such that a goods supporting device at an end adjacent an unoccupied supporting means at an elevator landing may be moved on to said supporting means.

2,186,855
CULINARY UTENSIL
Frank Baccarini, Pittsburgh, Pa.
Application October 25, 1937, Serial No. 170,951
2 Claims. (Cl. 53—1)



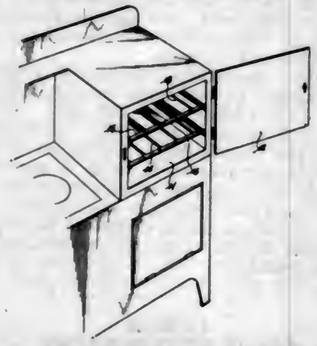
1. A device of the character described, comprising, a receptacle having inlet ports and adapted for insertion within a cooking vessel, a food container having upper and lower units formed with inlet ports and adapted to be detachably mounted in said receptacle, said units having completely closed solid hinged bottoms and said upper unit having a hinged top, the bottom of said upper unit forming a top for said lower unit whereby to separate food contained in said container.

2,186,856
ANNEALING AND PICKLING OF HOLLOW METAL ARTICLES
John Curran, Cardiff, Wales
Application January 12, 1939, Serial No. 250,625
In Great Britain March 4, 1937
4 Claims. (Cl. 266—4)



1. Apparatus for heat treating and pickling hollow metal articles which comprises a heating furnace having an inlet and an outlet, a pickling chamber of acid-resistant material having an inlet directly adjacent to the outlet of the furnace, conveyer means constructed of nickel-chrome for carrying articles through said furnace and therefrom while unquenched directly into and through said chamber, and liquid discharging means for spraying pickling acid on to both the interior and exterior surfaces of the articles, while said articles are in the pickling chamber.

2,186,857
DOMESTIC OVEN
Robert F. Davis, Arlington, Va.
Application August 4, 1937, Serial No. 157,402
2 Claims. (Cl. 126—273)



1. A structure of the nature of a domestic oven which includes within the oven, where it will be heated to the temperature of the inside of the oven, at least one shelf, the front edge of said shelf being covered by a fire-proof material that is characterized by the fact that when it is hot it will not lose its heat rapidly to a colder body with which it may be brought into contact, so that when the oven is heated, and a person accidentally touches the front edge of such shelf the person will not receive a burn but will be warned by the comparatively slow transfer of heat to his person and will be able to remove himself from contact with the shelf before injury occurs.

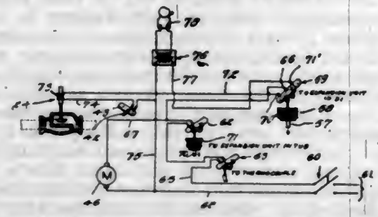
2,186,858
PRINTING ON METAL
Everard Tuxford Digby, London, England
No Drawing. Application June 3, 1937, Serial No. 146,310. Renewed September 28, 1939. In Great Britain January 17, 1933
5 Claims. (Cl. 41—18)

3. The process of printing on a gold sheet metal base, which comprises forming a mask design upon the said sheet, then depositing silver in a strong matt condition on the mask design, then removing the mask, then plating the entire surface of said base with a metal chosen from the platinum group of metals.

2,186,859
PRINTING ON METAL
Everard Tuxford Digby, London, England
No Drawing. Original application June 3, 1937, Serial No. 146,310. Divided and this application January 31, 1939, Serial No. 253,944
4 Claims. (Cl. 41—18)

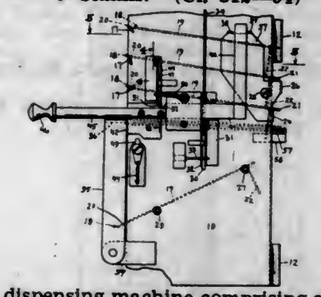
2. A process of printing on a gold sheet metal base which comprises depositing silver in strong matt form on said base, then forming a mask design upon the said matt silver, then etching down said matt silver to said base, then removing the mask, then plating the entire surface with a metal chosen from the platinum group of metals.

2,186,860
WATER HEATING SYSTEM FOR BOTTLE WASHING MACHINES
Grover C. Evans, Little Rock, Ark.
Application May 26, 1938, Serial No. 210,275
8 Claims. (Cl. 237—8)



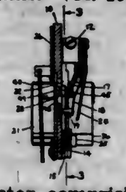
5. A fluid heating unit for a system of the character described, comprising a water heater including a chambered head, gas fired means for the heater, an outlet nipple for said head and disposed adjacent the top thereof, an inlet nipple for the head and disposed adjacent the bottom thereof, means for connecting a fluid carry-off pipe with said outlet nipple, a vertically disposed hollow body between said nipples and interiorly divided to form an up-flow and a down-flow passage, the passages being connected adjacent their upper ends, said down-flow passage being in communication with said inlet nipple, a circulator connected with the lower end of said up-flow passage, electromagnetically controlled valve means governing the flow of gas to said gas fired means, electric circuit controlling means for said magnetically controlled valve in one of said passages which is so constructed and arranged as to interrupt the flow of current to said electrical valve when the flow of fluid through the passages is interrupted, a thermostat actuated switch in circuit with said electric circuit controlling means and operating upon an excessive rise of temperature in the heater while the fluid flow is uninterrupted, to energize said electromagnetic valve for the closing of the same, and an electrically operated signal element having said thermostatically operated switch coupled therewith, said thermostatically actuated switch operating to effect the flow of current through the signal element simultaneously with its actuation for the opening of the circuit having said magnetic valve therein.

2,186,861
VENDING MACHINE
Benjamin W. Fry and John Gottfried, St. Louis, Mo., assignors to National Slug Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application September 28, 1937, Serial No. 166,037
9 Claims. (Cl. 312—94)



1. A dispensing machine comprising a plurality of article receiving trays each provided adjacent one end thereof with guide means and spacing means adjacent said guide means whereby each tray is supported from an adjacent tray, a container, counterpart guide means associated with said container, said first-named guide means and said counterpart guide means cooperating to permit vertical and pivotal movements of the trays while restraining horizontal movement thereof, individual supporting means for the opposite end of each of said trays associated with said container, article delivery means comprising a support for the pivot end of the tray in article delivering position, means for withdrawing said support thereby permitting vertical movement of the pivot ends of all of said trays and the displacement of the opposite end of each of said trays from its support, means for stopping the vertical movement of the pivot ends of said trays when they have been displaced an amount substantially equal to their spacing, thereby effecting a pivotal movement of each of said trays to bring the opposite end thereof into engagement with the support adjacent the one from which it was displaced.

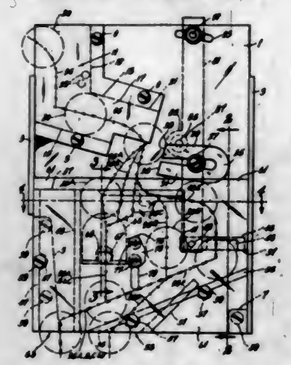
2,186,862
COIN SELECTOR
Benjamin W. Fry and John Gottfried, St. Louis, Mo., assignors to National Slug Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application January 8, 1938, Serial No. 183,939
2 Claims. (Cl. 194—102)



1. A coin selector comprising means forming a sloping passage down which acceptable coins roll, on their edges, disposed in a vertical plane, said means being laterally recessed on one face thereof and provided with a shoulder flush with the recessed face at an elevation above the bottom of the passage greater than the diameter of

rejectable coins and less than the diameter of acceptable coins, and means associated with the passage-forming means urging all coins laterally in the direction of said recess, whereby coins of rejectable diameter are forced by said last-named means to tilt into said recess, but coins of acceptable diameter roll past said recess in vertical position with their upper extremities resting against said shoulder, said recess terminating along the length of said passage as an upstanding shoulder against which said tilted rejectable coins lodge, and means for discharging such lodged coins.

2,186,863
COIN SELECTOR
John Gottfried and Benjamin W. Fry, St. Louis, Mo.
Application February 16, 1939, Serial No. 256,660
1 Claim. (Cl. 194—101)



LEGEND FOR FIG. 1
—X—X—X—DIAMAGNETIC COINS
—O—O—O—SLIGHTLY PARAMAGNETIC COINS
— XX—XX —MORE PARAMAGNETIC COINS

In a coin selecting device, means providing a sloping chute down which coins are adapted to roll, said coins being disposed in a substantially vertical plane, and a magnet with a pole face disposed at a substantially horizontal distance greater than the diameter of a coin from the lower end of said chute and with its plane substantially vertical, said pole face being thereby presented as an anvil against which coins projected from said chute will abut, said magnet having an edge of decreasing magnetic flux intensity receding from said pole face in a direction away from said chute and disposed in a substantially horizontal plane, whereby diamagnetic coins bounce from said pole face, while paramagnetic coins adhere to said pole face and then, under the influence of gravity, clingingly run down said edge a distance proportional to their paramagnetic character, finally to drop downward therefrom, separating means for segregating dropping coins of relatively greater paramagnetic character from coins of relatively lesser paramagnetic character, in accordance with the points at which said coins drop off the said magnet edge, and further separating means for segregating bounced coins of diamagnetic character from coins of paramagnetic character.

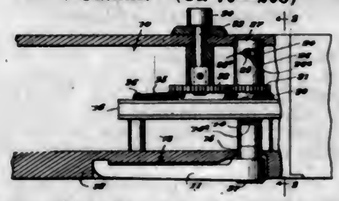
2,186,864
ANIMAL TRAP
Thurman W. Garriss, Watha, N. C.
Application February 9, 1939, Serial No. 255,512
4 Claims. (Cl. 43—85)

1. An animal trap including in combination, a frame member, a pair of loop jaws pivoted to one side of said frame member; a link member pivoted to the opposite side of said frame member, a single loop jaw pivoted to said link member so that



said single jaw will lie between said pair of jaws in a set position, resilient means for urging said jaws into an outwardly extended position, and trigger means for holding said jaws in a set position.

2,186,865
LOCK
Allan C. Hubbell, Long Beach, Calif.
Application June 16, 1938, Serial No. 214,115
7 Claims. (Cl. 70—208)



7. In combination with a support having a recess, an operating handle adapted to be moved into and out of snug engagement with the recess, a shank carried by said handle, a latch bolt adapted to be actuated by said shank, spring means for normally urging said shank and handle to an extended position out of said recess, a sleeve rotatably mounted with respect to said shank, spiral guiding means formed in the sleeve, a pin carried by the shank and cooperating with the spiral guiding means for moving said shank longitudinally of the sleeve as said sleeve is rotated, the spiral guiding means having means for receiving said pin for holding the pin in a set position, a clutching rod mounted longitudinally of said shank and having clutching means for releasably engaging said sleeve, a locking mechanism carried by said handle and operable for engaging said clutching means for moving the clutching means to and from a clutching engagement with said sleeve whereby the sleeve may be slightly rotated manually for releasing the pin for movement within said spiral guiding means to permit said spring means to move said handle to an extended position beyond said recess, said clutching means comprising a clutch rod, spring means for normally urging the clutch rod to a disengaging position, said locking means comprising a key actuated barrel lock having means for engaging the clutching rod to rotate the clutching rod as the key is rotated within said barrel lock, the clutching means for releasably engaging said sleeve comprising a rectangular head, the sleeve having a rectangular socket for receiving the head, and journal means for engaging the outer end of said sleeve and abutting the same.

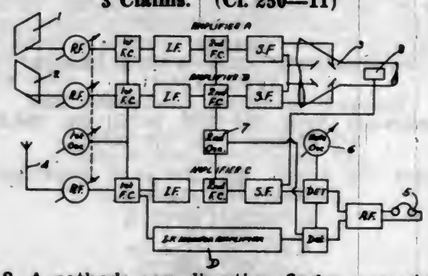
2,186,866
SEAT, FOOTBOARD, AND STRINGER STRUCTURE
Philip W. Hussey, North Berwick, Maine
Application July 19, 1937, Serial No. 154,504
3 Claims. (Cl. 155—130)

1. A structure of the class described comprising a plurality of supporting stringers arranged in spaced substantially parallel relation, rest member supporting brackets suspended below the stringers, the rest member supporting brackets being substantially U-shaped in formation, the rest member supporting brackets having aper-



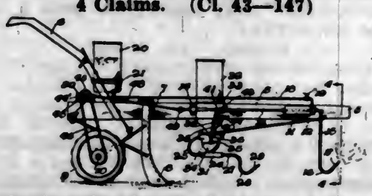
tures formed therein, angle plates, rest members supported by said brackets, said angle plates fitting over the ends of the rest members and provided with projecting means fitting in the apertures for locking the rest members upon the brackets against lateral shifting movement.

2,186,867
RADIO RECEIVING AND DIRECTION FINDING APPARATUS
John Parkyn Jeffcock, Surbiton, England
Application August 20, 1938, Serial No. 225,994
In Great Britain August 20, 1937
3 Claims. (Cl. 250—11)



2. A cathode ray direction finder comprising a directional aerial system, a radio receiving circuit coupled with said directional aerial system and having a highly selective characteristic, a cathode ray tube to which the output from said receiving circuit is fed to indicate the direction of the received signals, an omni-directional aerial, a second radio receiving circuit coupled with said omni-directional aerial and having a selectivity characteristic which has a relatively flat top except for a narrow sharp peak which projects from the flat portion of the characteristic, an aural monitoring sound reproducing device to which the output from said second receiving circuit is fed, and means for simultaneously tuning both receiving circuits with the resonance peaks in the respective circuits coinciding in the frequency spectrum.

2,186,868
INSECT EXTERMINATOR
Eddie R. Jowers, Swansea, S. C.
Application December 8, 1937, Serial No. 178,801
Renewed June 29, 1939
4 Claims. (Cl. 43—147)



1. An insect exterminator comprising, a support, cylinders mounted upon the support, plungers mounted to reciprocate within the cylinders, means to move the plungers, means to supply water to one cylinder, an outlet pipe connected with the water receiving cylinder, an outlet pipe connected with the other cylinder, a powder receiving receptacle connected with the last named outlet pipe, an outlet pipe connected with the powder receiving receptacle, and means to supply powder into the powder receiving receptacle and operated by the movement of the plunger in the water receiving cylinder.

2,186,869
MECHANICAL MAGAZINE PENCIL
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey
Application July 25, 1936, Serial No. 92,626
21 Claims. (Cl. 120—18)



2. A pencil of the character described comprising a barrel, a lead-moving mechanism located in said barrel and rotative therein, said lead-moving mechanism being spaced from the inner surface of the barrel whereby an annular lead-storing chamber is provided between the lead-moving mechanism and the barrel, an actuating member engaging the lead-moving mechanism and extending out of the rear end of the barrel for manual engagement and rotation, a closure member surrounding the actuating member and mounted freely thereon and preventing movement thereof longitudinally of the barrel, said closure member having means for removably engaging the rear end of the barrel.

18. In an article of the class described, a writing material-containing magazine, a barrel about said magazine consisting of an upper and a lower part, at least one of said barrel parts being of a thermo-plastic material prone to chipping, a metal ferrule fitted within one of said parts and projecting therefrom, said ferrule protecting the parts from chipping, and means for detachably engaging the other part of said barrel to the projecting part of said ferrule, one of said barrel portions being of a substantial length so as to permit easy removal of exposed writing material when said barrel part is detached.

2,186,870
MECHANICAL PENCIL
David Kahn, North Bergen, N. J., assignor to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey
Application September 24, 1938, Serial No. 231,584
21 Claims. (Cl. 120—18)

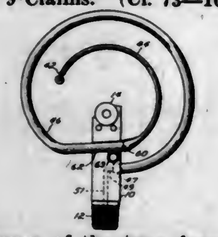
1. In a mechanical pencil, a barrel having a tip carried by the lower end of the barrel, a bearing washer at the upper end of said tip, a

rotatable actuating tube mounted in said barrel to have its lower end engage on said washer,



said washer being of polygonal form and having its angles engaging the material of the barrel to prevent rotation of said washer.

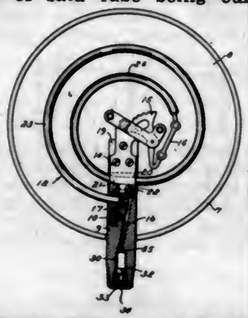
2,186,871
INTERNAL SIPHON GAUGE
Maximilian Klein, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania
Application December 3, 1936, Serial No. 114,050
9 Claims. (Cl. 73—109)



1. In a gauge of the type described, a socket member, a Bourdon spring element of generally circular shape, a circular section of cylindrical tubing surrounding said element secured at one end to said member and adapted to be connected at said end to a source of fluid under pressure, means securing the other end of said tubing to said member, and means joining said spring element to said last named end of said tubing, said spring element and a portion of said tubing forming a liquid trap.

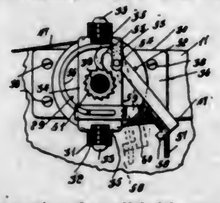
2,186,872
STEAM GAUGE
Maximilian Klein, Sellersville, Pa., assignor to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania
Original application November 14, 1932, Serial No. 642,650. Divided and this application March 22, 1938, Serial No. 197,461
4 Claims. (Cl. 73—109)

4. A pressure gauge comprising a post having a passage extending from one end thereof and opening toward one side of the post, a combined internal syphon and pressure responsive element in the form of a single tube having one end connected to said post so that the passage of the tube communicates with the passage in the side of the post, said tube having a syphon portion in the form of a substantially complete single convolution of a relatively flat helical coil beginning at said named end and extending above the post and rigidly secured at the other end of said convolution to said post at a point between said passage and the other end of said post, the remainder of said tube being curved helically



within said convolution on a substantially smaller radius than said convolution and terminating in a closed end free of attachment to said post so as to be movably responsive to pressure in said passage and coil.

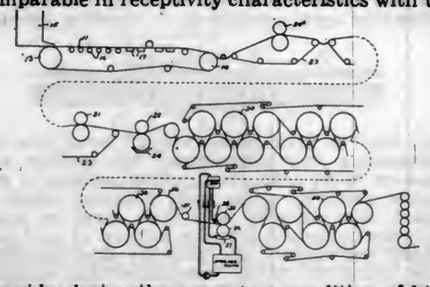
2,186,873
AUTOMATIC ADJUSTABLE SHADE APPARATUS
George F. Mansfield, Pascagoula, Miss.
Application April 28, 1938, Serial No. 204,893
2 Claims. (Cl. 156—28)



1. In an operator for slidably mounted window shade brackets, a rotatable shaft, a multiple grooved windlass mounted thereon and having flexible means for supporting a pair of shade brackets, a line wound on said windlass for rotating it in one direction, a ratchet wheel keyed to said shaft, a spring actuated detent to engage the ratchet wheel to normally hold the windlass from rotating in the opposite direction, said line passing through the free end of the detent for releasing it, and a pair of spring fingers to releasably engage said detent when it is released by the line to retain it in an inoperative position.

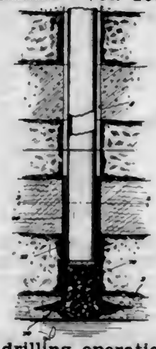
2,186,874
PAPER MANUFACTURE
James O. Mason, Chillicothe, Ohio, assignor, by mesne assignments, to K-C-M Company, Dayton, Ohio, a corporation of Delaware
Continuation of application Serial No. 73,423, April 9, 1936. This application July 6, 1938, Serial No. 217,741
6 Claims. (Cl. 92—40)

1. Process in the manufacture of paper having controlled balanced quantities of mineral material incorporated in and upon the opposite sides thereof to produce a paper of superior finish characteristics adaptable for color reproduction and the like; which comprises flowing a fibrous stock containing mineral filler material onto a forming wire to form a web of paper, extracting moisture therefrom, passing the paper through press rolls to effect a moisture expressing pressure thereon, bringing a suspension of mineral filler material and adhesive into incorporating contact with the wire side thereof to incorporate a controlled amount of such mineral into the wire side of the sheet effective to produce a balancing of receptivity conditions of the opposite sides of the sheet with the wire side rendered comparable in receptivity characteristics with the



top side, drying the paper to a condition of high moisture receptivity, and then bringing a suspension of paper coating mineral into incorporating contact with the opposite sides of said sheet under predetermined conditions of pressure to effect a balanced incorporation of the coating material into and upon the opposite sides of the sheet.

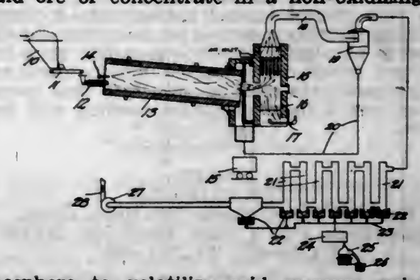
2,186,875
WELL BORE TREATMENT
Duke C. Matthews, Taylor, Tex.
Application June 27, 1938, Serial No. 216,111
2 Claims. (Cl. 166—21)



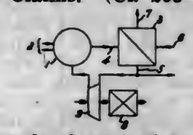
1. In a well drilling operation, the method of forming a body of plastic setting material in situ in a well bore above an uncased portion into which such material would normally dissipate while in a plastic state; which comprises filling the bore througout such portion with a liquefied compound which on standing forms into a thick agglutinate incapable of dissipation into said well bore portion and capable of supporting on its surface a body of the plastic setting material, and which subsequently resolves to liquid state after a longer time than the plastic setting material takes to set; and after the compound has thickened disposing on its surface a body of plastic setting material in a plastic state and allowing it to set into desired form.

2,186,876
PROCESS FOR THE PRODUCTION OF MERCURY FROM ORES
Harold B. Menardi, Los Angeles, Calif.
Application January 17, 1938, Serial No. 185,409
5 Claims. (Cl. 75—81)

1. Process of recovering mercury from ores or concentrates containing mercury sulphide and an antimony compound which comprises heating said ore or concentrate in a non-oxidizing atmosphere to volatilize said mercury sulphide without volatilizing said other elements, said mercury sulphide remaining substantially unchanged chemically.

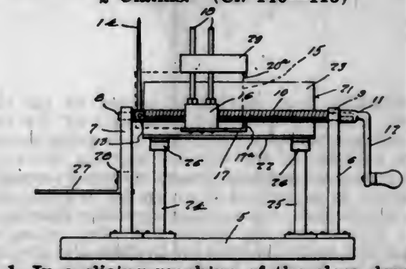


2,186,877
HEAT EXCHANGER
Walter Gustav Noack, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application February 3, 1939, Serial No. 254,512
In Germany February 7, 1938
5 Claims. (Cl. 263—19)



1. Apparatus for heat exchange comprising a source of hot heating gases under high pressure, a metallic heat exchanger, means for delivering the hot heating gases from the source thereof through the heat exchanger, means for passing gases to be heated through the heat exchanger and means for delivering at least a part of the heating gases leaving the heat exchanger into the stream of hot heating gases on their way from said source to the heat exchanger.

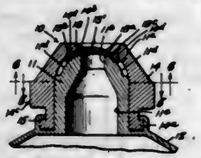
2,186,878
SLICING MACHINE
Julius L. Ordman, Lemont, Ill.
Application October 6, 1938, Serial No. 233,666
2 Claims. (Cl. 146—113)



1. In a slicing machine of the class described, a horizontal base, vertical standards attached thereto and rising therefrom, a feed screw parallel said base and mounted for rotation on said standards, a cutting knife fastened to one end of the feed screw and disposed at right angles in relation thereto, a feed nut on said feed screw, a horizontal saddle forming plate fastened to said nut and extending at a right angle from said feed screw, said saddle plate having on one end

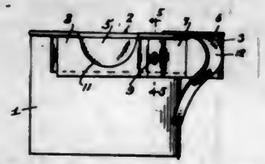
an upstanding thrust and feeding flange, a pair of guide pins directly attached to and rising vertically from said nut and in right angular relation with respect to said saddle plate, a clamping plate slidably mounted on said pins and disposed in parallelism above said saddle plate and having a thrust flange located directly above and in companionate relation with said first named flange, and a hand crank for turning said feed screw.

2,186,879
TUBE CLOSURE
Gustave R. Osterholm, Hartford, Conn.
Application July 5, 1939, Serial No. 282,895
3 Claims. (Cl. 221—60)



1. A closure for collapsible containers comprising a neck integral with the container having a rounded distal end with a discharge orifice centrally located therein and diametrically extending ways formed in surface parts of said end; opposed interengaging sliding seal elements in said ways for, upon occasion, overlying and closing said discharge orifice; a cap fitted closely against exterior portions of said neck, having a discharge port registerable with the discharge orifice in the neck; and means connecting the cap and the seal elements in a manner such that oscillation of the cap on the neck results in engagement and disengagement of the seal elements with concomitant opening and closing of the discharge orifice the seal elements when in interengaged relation projecting outwardly slightly through said discharge port.

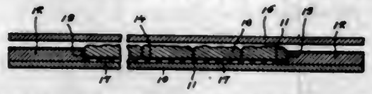
2,186,880
SANITARY DRINKING CUP
William M. Overgard, Salem, Oreg.
Application March 6, 1939, Serial No. 260,201
1 Claim. (Cl. 65—13)



A drinking cup having a recess in its rim portion, a holder attached to a part of the cup for holding a roll of strip material, a guide means on the exterior of the cup for guiding the strip to the recess, an arcuate shaped member pivotally connected to a part of the cup for holding the strip across the recess, said member having a recess therein in alignment with the recess of the cup and spring means for holding the pivoted member in position holding the strip tightly against the cup.

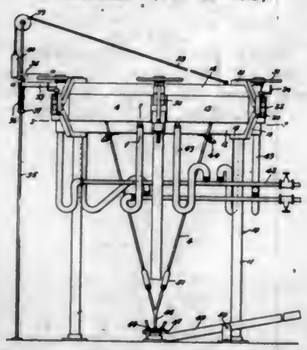
2,186,881
MOLDING CASEIN AND SIMILAR PLASTICS
John A. Parsons, Bainbridge, N. Y.
Application March 17, 1937, Serial No. 131,537
2 Claims. (Cl. 18—48)

1. A method of making a mold surface for molding plastics, which comprises placing upon a bottom plate of a mold, at least one piece of a hard material, separate from the mold itself which piece has a patterned top surface, placing thereupon a thin strong sheet of metal that can distort under pressure, placing a plastic material which can be molded at an elevated temperature not over 200 to 230° F. on such sheet of metal, and subjecting such assemblage to molding pressure



and heat to drive said sheet of metal into the depressions in said patterned top surface, said pressure being sufficient to cause molding of said plastic material upon such distorted sheet of metal, and whereby said thin sheet of metal becomes impressed into the pattern of said patterned top surface and whereby said supported thin sheet of metal constitutes the molding surface.

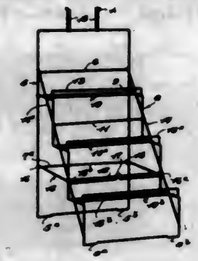
2,186,882
TIRE RETREADING MACHINE
Walter G. Rawls and Vaughn Rawls, Lima, Ohio
Application June 23, 1938, Serial No. 215,497
4 Claims. (Cl. 18—18)



2. A tire retreading machine comprising a supporting structure, a lower ring member carried by said structure, a sectional matrix resting on said ring member, means for heating said matrix, an upper ring member engaging with the matrix, means for hingedly mounting the upper ring member, lugs formed on the matrix and arranged adjacent the ends of the sections and having oppositely arranged beveled faces, jaws on said ring members and having beveled faces to match the beveled faces of the lugs, clamping means for said jaws to cause the latter to coact with the lugs in the contraction of the matrix, push members slidably connected to the lower ring member and engaging the under face of the matrix, a pivotally mounted operating lever pivotally connected to said push members to raise and expand the matrix when freed by the clamping means, said matrix riding upon the jaws of the lower ring member during its elevation and expansion.

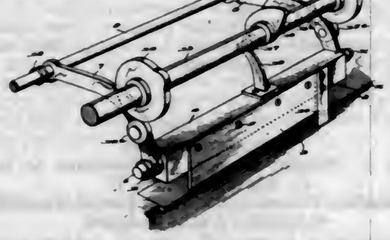
2,186,883
DISPLAY RACK
Harry C. Robinson, Chattanooga, Tenn.
Application June 17, 1938, Serial No. 214,337
3 Claims. (Cl. 211—142)

1. A wire rack for display and like purposes including a pair of pivotally connected front and rear wire leg frames, one or more cross bars connecting the side members of said leg frames, and a latch member of generally U-shaped form pivotally connected at one extremity to one of the leg frames and at its opposite extremity being



formed with a plurality of U-shaped hooks adapted to engage one of said cross bars and an intermediate tab member adapted to be sprung downwardly and rearwardly and engage under tension in rear of said cross bar between said hooks.

2,186,884
WEB CUTTING MECHANISM
Wesley P. Shomaker, Richmond, Va.
Application June 22, 1938, Serial No. 215,255
2 Claims. (Cl. 164—43)



1. Web cutting mechanism including a stationary knife, a pair of arms pivotally mounted above said stationary knife, a cross bar rotatably supported at the free ends of said arms, a shearing knife carried by said cross bar, spring means tending to normally maintain said arms in raised position, rotatable cam means for intermittently depressing said arms and shearing knife against the tension of said spring means, to effect a shearing action with said stationary knife, a stop and guide abutment carried by said cross bar adjacent one end of said shearing knife and extending beyond the cutting edge of the latter, means cooperating with said cross bar for yieldably maintaining said abutment in engagement with the cutting edge of said stationary knife, whereby the arcuate movement of said pivoted arms is compensated for to maintain said shearing knife substantially perpendicular to said stationary knife during its downward movement, a second rotatable cam arranged in timed relation with said first named cam means and operatively associated with said cross bar, for rapidly rotating the latter in a direction to tilt said movable knife away from said stationary knife upon the completion of each down-stroke, and means on said second cam for retarding the return movement of said shearing knife to prevent sudden impact of said abutment with said stationary knife.

2,186,885
GAUGE ATTACHMENT FOR SEWING MACHINES
David Shpater, Brooklyn, N. Y.
Application November 15, 1938, Serial No. 240,588
1 Claim. (Cl. 112—153)



A gauge for attachment to one prong of the presser-foot of a sewing machine to gauge a line of stitching on the work comprising a loop member fitting rearwardly over said one prong of the presser-foot and having a flat bottom, a finger piece of elongated form upstanding from the top of said loop member at the front edge thereof and extending laterally beyond the loop member for fingertip manipulation of said loop member on said prong from one side of the presser-foot, a strip-like extension on the bottom of said loop to underlie the other prong of the presser-foot, said extension forming a coplanar part of said bottom whereby the bottom and extension present a smooth elongated surface for engagement with the work to smooth the same down in advance of the presser-foot, and a downturned guide flange on the free end of said extension for engagement by one edge of the work, said guide flange being disposed transversely of said extension and projecting rearwardly well beyond the latter to provide an extensive guiding surface for said edge of the work.

2,186,886
FLUID LIFT
Paul M. Sieck and Robert M. Holloway, Mission, Tex.
Application May 19, 1938, Serial No. 208,928
2 Claims. (Cl. 103—232)

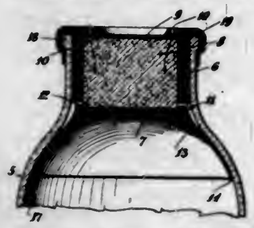


1. In a device of the class described, a hollow casing open at each end and adapted to be positioned adjacent the bottom of a well tubing, a tubular member positioned in said casing and held in spaced relationship to its wall, a plug positioned in the lower end of said tube, an air pipe connected to a source of compressed air and extending into said tube, spacing means to hold said pipe in spaced relationship to the tube whereby the air from the pipe can pass freely upwardly between the pipe and tube, said tube being provided with a plurality of openings and cut-out portions arranged to direct the air upwardly and outwardly into the casing to lift the fluid and to create a suction at the bottom of the well tubing.

2,186,887
PROCESS FOR THE CONCENTRATION OF AN AQUEOUS SOLUTION BY FREEZING
Friedrich Steinbacher, Grunwald, near Munich, Germany, assignor of one-half to Gesellschaft fur Lindes Eismaschinen A.-G., Wiesbaden, and one-half to Georg Alexander Krause, Munich, Germany
No Drawing. Application August 14, 1937, Serial No. 159,196. In Germany September 25, 1936
6 Claims. (Cl. 62—124)

1. Process for the concentration of an aqueous solution by freezing out a part of the water content of a quiescent body thereof to the formation of a coherent ice structure and separating the resulting ice from the remaining unfrozen solution in which the cooling temperature applied to the whole body of the solution is lowered during the freezing operation.

2,186,888
ANTISEPTIC BOTTLE CLOSURE
Paul E. Tullar, Tuckahoe, and Robert C. Page, Mount Vernon, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York
Application August 6, 1938, Serial No. 223,390
3 Claims. (Cl. 215—38)

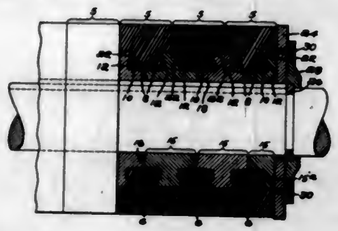


3. An antiseptic bottle closure comprising a stopper made of soft, pliable, impervious material, said stopper having a chamber filled with absorbent sterilized material, and top and bottom walls above and below said chamber respectively adapted to be punctured by a syringe or the like to permit withdrawal of the contents of the bottle, a depending skirt formed on said stopper in a position to engage the inner surface of the bottle, air vents arranged in said stopper to permit passage of air through said absorbent sterilized material and around the outer surface of said skirt into the bottle, said skirt being adapted to close said air vents and prevent reverse passage of liquid into said absorbent material when the bottle is inverted.

2,186,889
PROCESS FOR IMPROVING TEXTILE MATERIALS
Heinrich Ulrich and Paul Koerding, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 21, 1936, Serial No. 91,802. In Germany July 26, 1935
5 Claims. (Cl. 8—120)

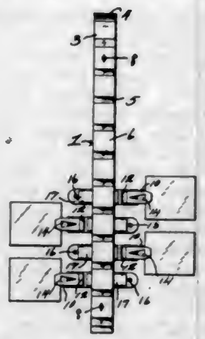
1. The process for improving the water-repellency of textile materials which consists of treating said materials with a chlorocarbonic ester of an alcohol containing at least 4 carbon atoms and then drying the treated textile materials at a temperature sufficient to cause a reaction to occur between said textile materials and said ester.

2,186,890
SECTIONAL ROLL
Robert J. Wilkie, Newton, Mass., assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass., a corporation of Massachusetts
Application May 31, 1938, Serial No. 210,851
2 Claims. (Cl. 68—277)



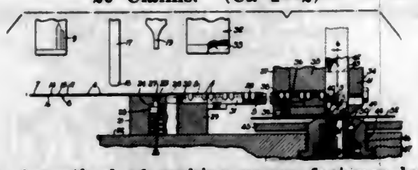
1. A sectional roll comprising a central shaft, a series of holding members strung on the shaft, each (other than terminal members at the ends of the assembly) comprising a central sleeve or hub having provision for engaging it with the shaft to turn therewith and a single radial annulus rising from the hub having overhanging, oppositely directed flanges, and ring-like rubber sections alternating with the holding members, said sections having outer portions in side by side contact and inner retaining portions comprising a reduced neck and an enlarged base each fitting beneath the adjacent flanges of two successive holding members and resting on the hub portions, the latter in each integral member being of an axial length corresponding to the exterior axial width of the sections, the sections being retained by pressure axially applied to the series of holding members.

2,186,891
FILM HANGER
Nolan E. Wilson, Homer, La., assignor to Irwin C. Rinn, Chicago, Ill.
Application February 23, 1939, Serial No. 258,045
6 Claims. (Cl. 95—100)



1. A film hanger of the character described, comprising a pair of hanger bars each having a series of transversely extending guides integral therewith, connecting bars between the hanger bars each having an end slidably extended through a guide, and film engaging clips each including a gripping jaw and a tail-piece, the tail-piece of each clip being designed for frictional engagement in a guide whereby the jaws of the clips may be arranged for the suspension of a film between the hanger bars, and means for suspending the bars in a developing tank.

2,186,892
METHOD AND MEANS OF MAKING FASTENERS
Frederick M. Zenner, Wheatfield, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application October 14, 1936, Serial No. 105,551
20 Claims. (Cl. 1—2)



1. A method of making paper fastener bases consisting in intermittently feeding a sheet metal strip through a series of treatment zones, removing portions from the opposite edges of said strip in one zone to form an outwardly extending attaching prong on each side of said strip and portions of two other attaching prongs on each side of said strip on opposite sides of the first mentioned prong, one of said prong portions being complemental to the other whereby the next operation on an adjacent portion of said strip will complete said other prongs, gauging the position of said strip in another of said zones to obtain uniform cutting of said strip in forming said prongs in the first-mentioned zone, offsetting the central portion of said strip to form a strap member in another zone, bending said prongs laterally in another zone, subsequently severing sections from said strip having a pair of the prongs on each side formed in the first mentioned zone adjacent opposite ends thereof, and substantially simultaneously applying said separated section to a backing sheet to project said prongs through the sheet, bending the prongs over the other side of the sheet to clamp the separated strip section thereon and removing a portion of the sheet between said prongs to provide an aperture for said strap portion.

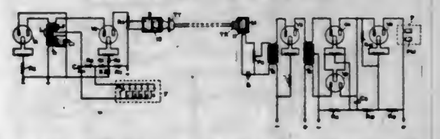
2,186,893
DISINTEGRATION OF VEGETABLE FIBROUS MATERIALS
Alfons Bayerl, Wolfen, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 7, 1937, Serial No. 141,251. In Germany May 13, 1936
5 Claims. (Cl. 92—9)

1. In the process for disintegrating wood by means of nitric acids the steps which comprise impregnating the wood under vacuum with a solution of nitric acid of about 10 to about 15 per cent. strength by volume, completing the impregnation by applying pressure up to about 5 atmospheres, the initial temperature of about 30° C. to about 40° C. being raised to about 40 to about 50° C. respectively, while maintaining said pressure, removing the nitric acid not taken up by the wood, adding hot water so that the temperature is about 70° C. and completing the disintegration at a temperature of about 70 to about 95° C.

2,186,894
TREATING FIBROUS MATERIALS
Karl Brodersen and Matthias Quaedvlieg, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 8, 1938, Serial No. 184,036. In Germany January 14, 1937
5 Claims. (Cl. 8—74)

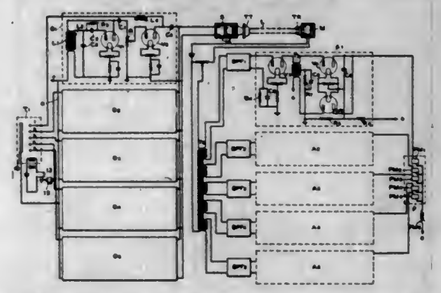
1. The process which comprises treating fibrous materials with a diluted aqueous solution of a condensation product of an aminooxyazoline with an aliphatic amine containing more than 8 carbon atoms, said condensation product containing bound to the carbon atom in the 2-position a free amino group and a second amino group substituted by an alkyl radical with at least 8 carbon atoms.

2,186,895
TELEGRAPH SYSTEM
Fernand E. d'Humy, Scarsdale, N. Y., and Lawrence W. Franklin, Delawanna, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 23, 1935, Serial No. 17,842
31 Claims. (Cl. 179—4)



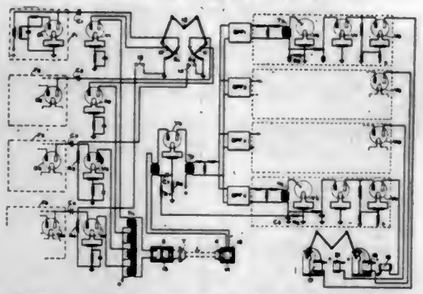
1. The method of telegraph communication which comprises producing electrical oscillations of a predetermined frequency, keying said oscillations to produce groups of oscillations in accordance with the telegraph code, shaping said groups of oscillations to decrease the amplitude of the end portions thereof relative to the mid-portion thereof, utilizing said keyed and shaped oscillations to produce audible tone signals and impressing said tone signals on the transmitter of a telephone system.

2,186,896
TELEGRAPH SYSTEM
Fernand E. d'Humy, Scarsdale, N. Y., and Lawrence W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original applications November 30, 1935, Serial No. 52,408, and August 13, 1936, Serial No. 95,912. Divided and this application December 5, 1936, Serial No. 114,460
21 Claims. (Cl. 179—4)



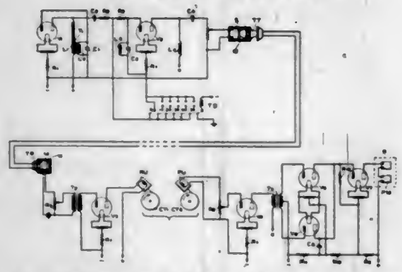
1. A communication system comprising a telephone channel adapted to transmit voice frequency currents, means for impressing on said channel signalling impulses of definite predetermined duration each consisting of a train of electrical oscillations of audio frequency, a receiving recorder operated by said signalling impulses, means associated with said recorder for minimizing bias distortion of said impulses and means whereby said last mentioned means is controlled by the amplitude of the signalling impulses.

2,186,897
TELAUTOGRAPH SYSTEM
Fernand E. d'Humy, Scarsdale, N. Y., and Lawrence W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 28, 1935, Serial No. 42,690
Renewed September 26, 1939
15 Claims. (Cl. 179—4)



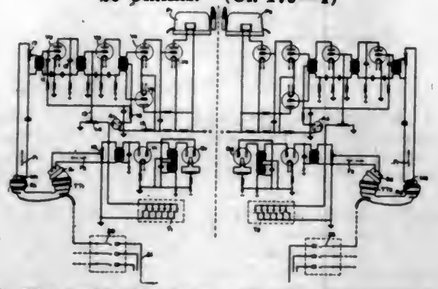
1. The combination with a telephone system of a telautograph transmitter having a transmitting tracer, a plurality of sources of electrical oscillations of distinct frequencies, means for varying said oscillations in accordance with lateral movement of the transmitting tracer, means for converting said oscillations into distinct tone signals of frequencies between three hundred and three thousand cycles per second, means for impressing said tone signals on a telephone transmitter of said telephone system, receiving means associated with said telephone system for detecting said signals, a telautograph recorder and means for operating said telautograph recorder in accordance with said received signals.

2,186,898
TELEGRAPH STORAGE SYSTEM
Fernand E. d'Humy, Scarsdale, N. Y., and Lawrence W. Franklin, Delawanna, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 5, 1935, Serial No. 39,332
Renewed August 3, 1939
7 Claims. (Cl. 178—5.6)



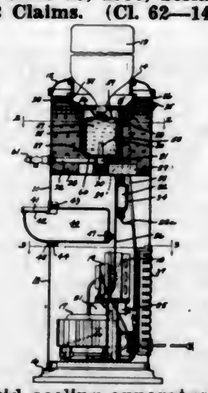
1. A method of telegraphic communication which comprises producing a plurality of electrical oscillations of different frequencies, varying said oscillations in accordance with subject matter to be transmitted, recording said oscillations on a storing device at one rate, reproducing said oscillations from said device at a different rate, utilizing said oscillations to produce tone signals, transmitting said tone signals over a standard telephone system and making a visible record in accordance with telephonically received signals.

2,186,899
TELEGRAPH SYSTEM
Fernand E. d'Humy, Scarsdale, N. Y., and Lawrence W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 23, 1936, Serial No. 76,064
Renewed September 26, 1939
20 Claims. (Cl. 179—4)



1. The method of telegraph communication between telephone subscribers which comprises producing electrical oscillations of a predetermined audible frequency, keying said oscillations at one subscriber's station to produce permutation code signals formed of successive trains of oscillations, transmitting said signals over a channel adapted to transmit voice frequency currents, converting said signals into trains of oscillations of a different frequency and selectively operating a telegraph receiver at a second subscriber's station in accordance therewith.

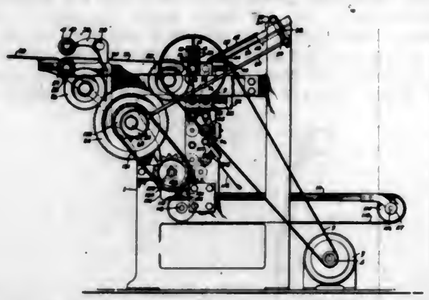
2,186,900
REFRIGERATING APPARATUS
Herman J. Dick and J Lowell Gibson, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 19, 1936, Serial No. 86,148
12 Claims. (Cl. 62—141)



1. In a liquid cooling apparatus, a cabinet, a cooling chamber within the cabinet positioned to receive liquid to be cooled, and an inverted cup member within the cooling chamber for directing the liquid into contact with the walls of the cooling chamber.

2,186,901
FOLDER MAKING MACHINE
Gustav Ewald, North Tonawanda, and Burns T. McGary, Tonawanda, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y.
Application May 1, 1937, Serial No. 140,240
24 Claims. (Cl. 93—1)

1. A machine for making W-type folders comprising a stop member, sheet feeding means for feeding a sheet against said stop, and coacting feeding and folding rolls, means supporting one of said rolls for movement about the other, said rolls being operable to engage said sheet after

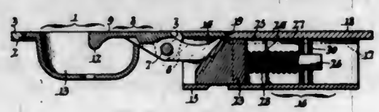


engaging said stop for feeding said sheet toward said stop, said one roll being movable about the other during said feeding to simultaneously buckle said sheet alternately in opposite directions adjacent said rolls for successively forming a series of folds in said sheet.

2,186,902
URINE ACETONE TEST
William B. Fortune, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application April 7, 1939, Serial No. 266,539
6 Claims. (Cl. 23—230)

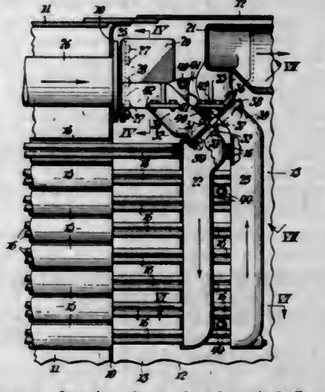
5. A reaction unit, which reaction unit contains in solid form a soluble nitroprusside, a soluble carbonate which is capable of producing an alkalinity as great as pH 10, a stable ammonium salt, and a material which when the contents of the reaction unit are put into solution will cause the observed color produced to be that due to reflected light.

2,186,903
LATCH
Joseph P. Gleason, Lynbrook, N. Y., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 16, 1938, Serial No. 240,653
3 Claims. (Cl. 292—254)



1. A door latch comprising complemental casing members adapted to be secured respectively adjacent the swinging edge of the door and adjacent the contiguous edge of the door opening, one of said members being formed with a keeper yoke; an actuating grasp member fulcrumed on the said casing member and having a camming projection extending into and limited in its motion by the keeper yoke; a bolt slidably guided in the other casing member and adapted to engage the keeper yoke on the first mentioned member, said bolt having a bevel at its outer end in the path of the camming projection of the actuating grasp member; and yielding means resisting displacement of the bolt from the yoke by the camming projection of said grasp member.

2,186,904
LOCOMOTIVE BOILER SUPERHEATER
Lloyd B. Jones, Altoona, and Ralph T. Strattan, Philadelphia, Pa., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 12, 1938, Serial No. 224,495
7 Claims. (Cl. 122—462)



1. In a superheater for a horizontal flue boiler, comprising loop tubes extending from a smoke box or end chamber, into which the boiler flues open, back into said flues, the combination of a main transverse steam supply header in the top of the smoke box secured to the end of the boiler above said flues, with a set of detachable downward extending steam supply subheaders for serving said loop tubes overlapping and attached to said main steam supply header in front thereof; a main transverse steam delivery header in the top of the smoke box, detachably mounted on said main steam supply header; and a separate set of detachable steam delivery subheaders, for serving said loop tubes, overlapping and attached to said main steam delivery header in front thereof, and extending downward in front of said steam supply subheaders, and detachably secured to the latter, said loop tubes interconnecting corresponding subheaders of the two sets; whereby, on detaching said main steam delivery header and said steam supply subheaders from said main steam supply header, the entire superheater, excepting said main steam supply header, can be withdrawn forward from the smoke box as a unit, while on detaching corresponding subheaders of the two sets from both the main headers, said detached subheaders and the loop tubes interconnecting them can be withdrawn forward from the smoke box without disturbing other parts.

2,186,905
LOCKING MEANS FOR LADIES' HANDBAGS AND THE LIKE
George Laubenstein, Madison, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application September 16, 1938, Serial No. 230,218
3 Claims. (Cl. 292—228)



1. In a latch for handbags having pivoted frames, a plate of resilient material arranged sub-

stantially flat upon both frames when the handbag is closed and provided with tongues partially severed from the plate and extending downwardly at right angles to the main portion of the plate and having outer engaging edges provided with means for interlocking them with one of the pivoted frames, said frame being slotted to receive said tongues and the pair of tongues being of greater normal overall width than the slot receiving them whereby when the tongues are inserted in the slot of said frame they will be distorted and through the resiliency of the metal will spring into interlocking engagement with the slotted frame and rigidly connect said plate to said slotted frame and operate to hold the plate in position for detachable engagement with the other frame of the handbag, the bend which connects the lugs to the main portion of the plate providing for lateral yield whereby said plate may engage with the other pivoted frame.

2,186,906

BIOCHEMICAL HYDROGENATION OF PHENANTHRENES

Luigi Mamoli, Berlin-Lichterfelde, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application February 25, 1938, Serial No. 192,648. In Germany February 27, 1937

8 Claims. (Cl. 195—51)

4. Process for the conversion of a keto-compound of the cyclopentano-10,13-dimethyl-polyhydro-phenanthrene series into a corresponding hydroxyl compound of the same series which comprises subjecting such keto-compound to the action of a reducing yeast-containing fermenting solution which contains also sodium sulfite.

2,186,907

METHOD OF MAKING A DRIED CITRUS FRUIT FOOD PRODUCT

Glen Overton and Lyle S. Overton, Kalamazoo, Mich.; said Lyle S. Overton assignor to said Glen Overton

No Drawing. Application June 19, 1937, Serial No. 149,201

1 Claim. (Cl. 99—2)

The method of making edible thin flakes from citrus waste without loss of solubles to preserve in the product substantially all of the solids content, including dissolved solids, of the rind, cellular tissues, and seeds of citrus fruit waste, which comprises grinding said waste without substantial loss of water content until a mush-like finely comminuted paste is obtained, screening oversize particles from the paste to obtain a uniform non-free-flowing mass, spreading the screened paste into a thin film on a heated rotating surface, heating said surface to rapidly evaporate moisture from the film without scorching or burning of the paste ingredients, continuing the heating of the film until the moisture content thereof is less than about 10%, and scraping the dried film from the heated surface to obtain thin flakes as described.

2,186,908

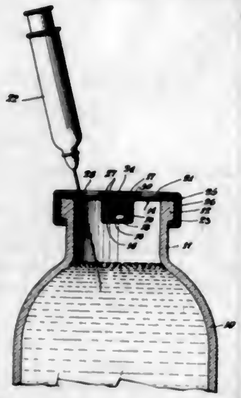
AIR FILTERING STOPPER

Robert C. Page, Mount Vernon, and Paul E. Tullar, Tuckahoe, N. Y.; assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York

Application February 1, 1939, Serial No. 254,044

3 Claims. (Cl. 215—38)

2. A bottle closure comprising a stopper made of soft pliable impervious material adapted to be punctured by a hypodermic needle or the like for withdrawal of the contents of the bottle, said stopper having a filter chamber formed by side and bottom walls of said material and containing a filter material adapted to filter the air passing therethrough, one of said walls having a slit therein constituting an air vent adapted to permit passage of air into said bottle as the contents of the bottle is removed by said needle and closable when the air pressure within the bottle is



equalized with the external air pressure, whereby the bottle is completely sealed except when liquid is being withdrawn by said needle, and a cap of stiff material covering said stopper and securing the same to a bottle, said cap forming a closure for said filter chamber to hold the filter material therein and being provided with air vents through which air may pass to said filter material, said cap having apertures through which said needle may be passed into said impervious material.

2,186,909

OXIDIZED WAX AND METHOD FOR PRODUCING SAME

Ralph C. Pollock, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application September 3, 1935, Serial No. 38,961

18 Claims. (Cl. 196—142)

11. A composition of matter comprising a wax oxidized with hydrogen peroxide, said oxidized wax having elastic and rubber-like characteristics and being insoluble in benzene and is adapted to be vulcanized with sulfur.

2,186,910

OXIDIZED WAX AND METHOD FOR PRODUCING SAME

Ralph C. Pollock, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Original application September 3, 1935, Serial No. 38,961. Divided and this application December 12, 1936, Serial No. 115,588

9 Claims. (Cl. 87—9)

1. A lubricating oil having a relatively low pour point comprising a mixture of lubricating oil having a relatively high pour point and paraffin wax oxidized with hydrogen peroxide, said oxidized paraffin wax having an acid number of about 95 and a saponification number of about 238.

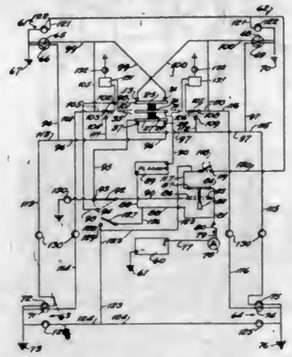
2,186,911

AUTOMOBILE LIGHTING SYSTEM AND CONTROL SWITCH FOR THE SAME

Carl I. Erickson, Glendale, Ariz.

Application May 12, 1937, Serial No. 142,250

3 Claims. (Cl. 177—337)



1. In a lighting system for vehicles, right and left headlights each having a bright light filament and a dim light filament, right and left rear lamps each having a running light filament and a signal light filament, a battery, circuit connections between the battery and lamps including a switch normally connecting the bright light and running light filaments in multiple to the battery, said switch being movable to open the circuits of the right and left bright and running light filaments selectively, a flasher in series with said battery, flasher circuit connections between said flasher and the right dim and signal light filaments and between the flasher and the left dim and signal light filaments, said circuit connections between the filaments and flasher including a single pole double throw switch movable with the first switch and selectively closing the right and left flasher circuits upon opening of the left and right circuits first mentioned, and means for selectively connecting the right and left flasher circuits to the right and left bright and running light filaments.

2,186,912

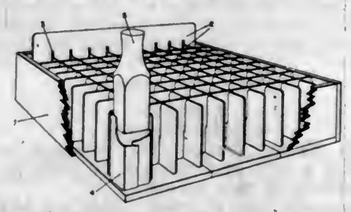
METHOD OF PROVIDING PLANT CONTAINERS

Oswald K. Hoglund and Fred W. Herbert, Santa Paula, Calif.; dedicated to the free use of the People of the United States

Application November 17, 1938, Serial No. 240,946

1 Claim. (Cl. 93—37)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The method of providing a plurality of individual plant containers in a seed tray, said method comprising the formation of a plurality of unit compartments in said tray by means of removably interlocking transverse slotted strips, molding a flexible sheet material to conform to the lateral interior surfaces of said unit compartments, and removing said slotted strips from said tray.

2,186,913
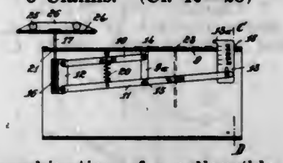
COLLAPSIBLE ADVERTISEMENT STAND WITH LETTER BALANCE

Willi Jonas, Berlin-Neukolln, Germany, assignor of one-half to Karl Gutmann, Berlin, Germany

Application November 26, 1937, Serial No. 176,615

In Germany September 3, 1937

3 Claims. (Cl. 40—28)



1. The combination of a collapsible advertisement stand with a letter balance adapted to be dispatched in an envelope said letter balance consisting of a horizontal carrier bar, a vertical bar fixed to the under side of said carrier bar, two hinge pins on said vertical bar, a long horizontal bar hingedly mounted intermediate its lengths on the lower hinge pin of said vertical bar, a short horizontal bar hingedly mounted at one end on the upper hinge pin on said vertical bar, a vertical connecting bar hingedly connecting the other end of said short horizontal bar to one end of said long horizontal bar, a sleeve formed at the side of said vertical connecting bar, a letter plate, a pin projecting from the under side of said letter plate and removably inserted in said sleeve, an eye on the under side of said horizontal carrier bar, a spring connecting said eye to said long horizontal bar at a point intermediate said hinge pin and said vertical connecting bar, a vertical scale plate on the free end of said long horizontal bar and bearing a scale, and a hollow base carrying said horizontal carrier bar and having at its upper end an aperture for the passage of the pin of said letter plate and a slot forming on the one hand a guide for said vertical scale plate and on the other hand an indicator for reading the scale on said scale plate.

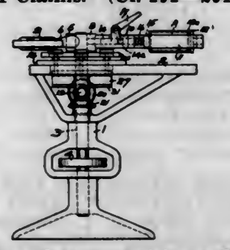
2,186,914

MULTIPLE PRINTING PLATE AND ACTUATING MEANS THEREFOR

Frederick Shurley, Windsor, Ontario, Canada, assignor, by mesne assignments, to Guthrie Ceramic Labelling & Machinery Co., Inc., Dover, Del., a corporation of Delaware

Application June 27, 1938, Serial No. 215,961

11 Claims. (Cl. 101—201)



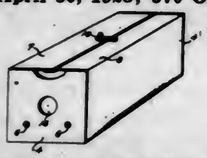
1. A printing plate comprising a fixed member, a plurality of cuts intended to print in different colors normally resting against said member, the cuts intended to print in one color being separated from one another by cuts intended to print in another color, carriers, means extending

from the carriers to the cuts, and means actuating said carriers in sequence whereby said cuts are moved in sequence to contact their different inking means.

2,186,915
ABSORPTION CELL CHEST FOR PHOTOMETERS

Clifford J. Thompson, Washington, D. C.; dedicated to the free use of the People of the United States of America

Application July 23, 1938, Serial No. 220,943
2 Claims. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

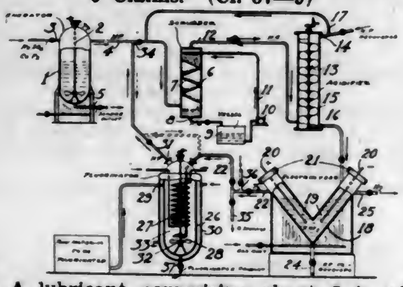


1. A chest for housing the absorption cell of a photometer adapted to be disposed in the path of the absorption light beam of the photometer, said chest comprising two end walls vertically disposed in fixed spaced relation, a box channel disposed between said end walls substantially coextensive with the width of said end walls, said channel having a depressed portion in one wall to support an absorption cell in the light beam, the opposite wall forming the rear wall of the chest, two overlapping angular doors hinged opposite to each other at the lower corners of said end walls, said doors forming when in closed relation the side walls and roof of said chest, and entrance and exit means for said light beam.

2,186,916
FLUORINATED COMPOUND AND METHOD OF PRODUCING SAME

Peter J. Wiezevich, Elizabeth, N. J., now by judicial change of name Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware

Application January 11, 1934, Serial No. 706,230
6 Claims. (Cl. 87—9)



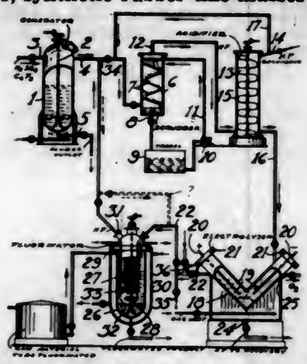
1. A lubricant comprising about 5 to about 60% of a fluorinated aliphatic organic compound boiling about 400° F.

2,186,917
FLUORINATED COMPOUND AND METHOD OF PRODUCING SAME

Peter J. Gaylor, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application January 11, 1934, Serial No. 706,230. Divided and this application October 19, 1938, Serial No. 235,796
4 Claims. (Cl. 260—772)

1. Process of producing a fluorine-containing derivative of a compound of the group consisting of rubber, synthetic rubber-like masses and sub-

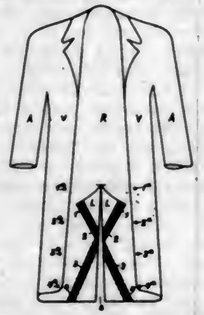


stitutes for rubber which comprises contacting the compound with fluorine diluted by an indifferent gas.

2,186,918
OVERCOAT

Franz Wolf, Vienna, Germany

Application September 16, 1938, Serial No. 230,252
In Austria September 17, 1937
2 Claims. (Cl. 2—86)



1. In a long overcoat the provision of means for enabling the lower front parts to be secured to the lower rear part in order to produce tubular leg coverings, said means comprising a pair of tringular flaps secured one on each side of the usual rear slit, adjacent the upper end thereof, the longest edge of each of the flaps being secured to the edge of the slit, said flaps extending downwards for less than the length of said slit, a row of fastening devices extending along the lower free edge of each said triangular flap and continuing in a line upon the exterior of the back of the overcoat, and mating fastening devices fitted to each lower front edge of the overcoat, said flaps being adapted to fold inwardly against the interior surface of said coat when the flaps are out of use.

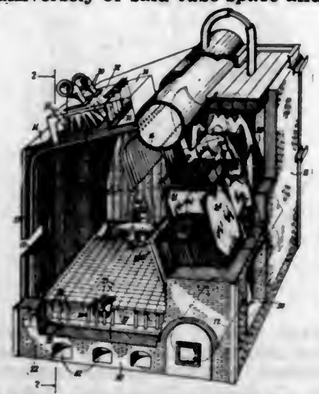
2,186,919
STEAM BOILER

Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application June 24, 1936, Serial No. 86,905
17 Claims. (Cl. 122—336)

1. A steam boiler having a pair of horizontally disposed upper and lower drums, a bank of vertically disposed water tubes connected to said drums along the length thereof, means including a vertically disposed partition alongside said tube

bank forming a furnace chamber laterally adjoining the space containing said tube bank and communicating with the rear end thereof, baffle means in said tube space arranged to divide said tube space into a plurality of serially connected gas passes, said baffle means including a vertical baffle extending from the rear end of said partition transversely of said tube space and a second

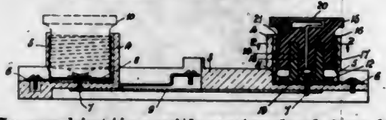


vertical baffle extending forwardly from said first baffle at the outer side of said tube bank and having an opening in the lower portion thereof for the passage of heating gases upwardly along the tubes in the adjacent portion of said tube bank and means for burning fuel in said furnace chamber and generating heating gases flowing through said furnace chamber and thence through said tube space.

2,186,920
FUSE DEVICE

George B. Currie, Detroit, Mich., assignor of one-half to Leonard E. Brown, Detroit, Mich.

Application March 2, 1938, Serial No. 193,466
3 Claims. (Cl. 200—119)



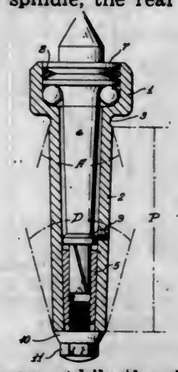
1. In combination with a standard fuse block, comprising a socket enclosing a screw shell contact and a center contact in the form of a screw in the base of said socket; a fuse plug having threaded engagement with said shell, said plug also having a center contact in its entering end, and means rendering said standard block nontamperable, said means being a nonconducting adapter engaged and held in position by said center screw contact, the confronting faces of said adapter and said plug having complemental interfitting formations capable of dimensional limitations to prevent substitution of a higher rated fuse that that for which the adapter is designed.

2,186,921
LIVE CENTER

Edward F-G. Gibbs, Detroit, Mich.

Application September 9, 1938, Serial No. 229,179
2 Claims. (Cl. 82—33)

1. A ball bearing center comprising a member having a head, serving as a ball-cup at its front end, and a bearing shank extending rearwardly, the two being connected by an undercut fillet, which permits the head to spring backward under axial pressure, bearing balls in the said head, a tapered bushing in the rear of the said shank, a rotary center spindle, supported by the said balls in the head, and the tapered bushing in the rear of the said shank, a large flange near the front end of the said spindle, the rear face of which

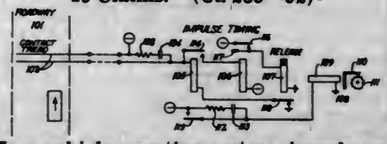


serves as a ball-race, while the close fitting peripheral face of the said flange rotates freely in the said ball-cup, and a headless retainer screw through the wall of the said shank holds the spindle in position, all substantially as shown and described.

2,186,922
COUNTING CONTROL SYSTEM

Weldon O. Hampton, Chicago, Aldo E. Nessler, Evanston, and Russell C. Wenz, Western Springs, Ill.; said Hampton and said Nessler, assignors to Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application July 23, 1934, Serial No. 736,466
19 Claims. (Cl. 235—92)



1. In a vehicle counting system, impulse means arranged to be actuated responsive to the passage of a vehicle, a switching relay and circuit means therefor arranged to cause the energization thereof responsive to the actuation of said impulse means, counting means operatively responsive upon energization of said switching relay, a locking circuit for said switching relay, a control relay disposed in said locking circuit and arranged to energize responsive to the closure thereof, and a release relay operatively responsive to the actuation of said control relay for restoring said switching and said control relays.

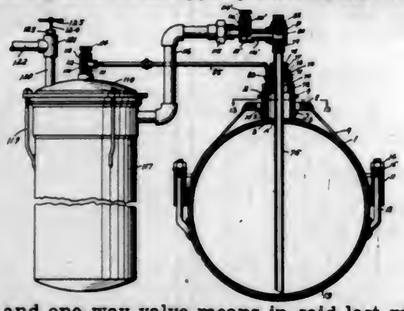
2,186,923
APPARATUS FOR REMOVING CONDENSATE FROM PIPELINES

Louis G. Hooper, Sarepta, La., and Virgil I. Hooper, Gordon, Tex., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application December 11, 1936, Serial No. 115,365
4 Claims. (Cl. 137—78)

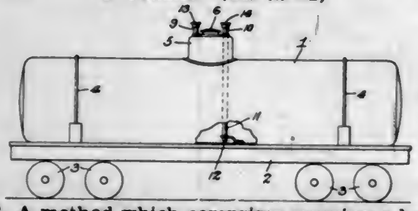
1. In a device for removing fluid from a member having a fluctuating gas pressure therein, and having a closed receptacle for the liquid to be removed, a conduit leading from the lower portion of said member to said receptacle, one-way valve means therein for preventing flow therethrough from said receptacle to the member while

permitting flow from said member to said receptacle, a conduit leading from the upper portion of said receptacle to the upper portion of said mem-



ber, and one-way valve means in said last mentioned conduit for permitting flow therethrough only toward said member.

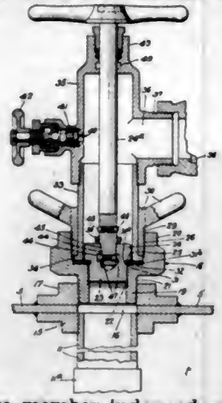
2,186,924
METHOD OF HANDLING FLUIDS
Virgil I. Hooper, Gordon, Tex., and Louis G. Hooper, Sarepta, La., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1938, Serial No. 207,418
9 Claims. (Cl. 62—1)



2. A method which comprises securing a housing in sealed relation to an opening in a tank, while the closure of said opening is in normal position sealing said opening, effecting manipulation through said housing of said closure to open the same, placing the interior of said housing in communication with a source of fluid to be transferred, delivering said fluid through said housing and opening into said tank while maintaining the housing otherwise closed, thereafter effecting manipulation through said housing of said closure and thereby restoring the same to its original position sealing said opening, disconnecting said housing from said source of fluid and thereafter removing said housing from said opening.

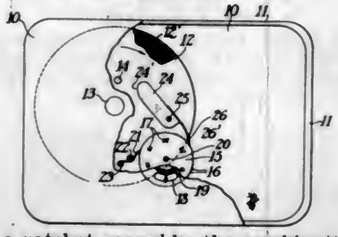
2,186,925
VALVE
Virgil I. Hooper, Gordon, Tex., and Louis G. Hooper, Sarepta, La., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1938, Serial No. 207,419
9 Claims. (Cl. 62—1)

1. In a removable valve assembly for a tank or the like having an aperture and a closure therefor, a passage member and means for removably securing the passage member in sealing relation to the aperture of the tank, while such aperture is closed, means supported upon said passage member for non-rotatably engaging the closure of such aperture for removing it from a position sealing such opening or for fully restoring the closure to said position while said passage member is in place, said means including an actuating part exterior of said passage member, an additional passage member in fluid flow communication with said first-mentioned passage member, a separate closure for said addi-



tional passage member independent of said first closure, and means for actuating said separate closure to move it into and out of closing position.

2,186,926
RATCHET FOOTAGE INDICATOR FOR MOTION PICTURE APPARATUS
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1937, Serial No. 165,375
In Germany September 25, 1936
8 Claims. (Cl. 74—125)

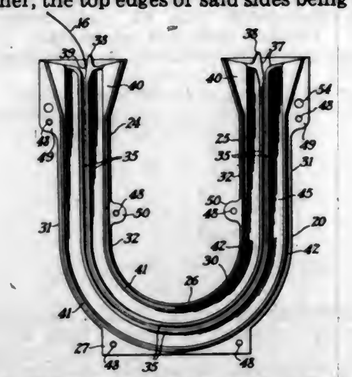


1. In a ratchet assembly, the combination with a driven member movably mounted and having a plurality of teeth of a predetermined pitch, of a motion transmitting means for advancing said driven member tooth by tooth and including an arcuate resilient member having a curvature such that the difference between the length of the arc of said resilient member and the length of the chord subtending that arc is greater than the pitch of one tooth but less than twice the pitch of a tooth on said driven member.

2,186,927
FILM DEVELOPING TANK
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 11, 1938, Serial No. 234,439
2 Claims. (Cl. 95—94)

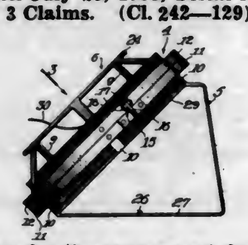
1. A film developing tank comprising a pair of identical U-shaped molded members, each of said members comprising a bottom and opposite sides extend upwardly from said bottom, one of said members being inverted and placed in registration with said other member to form a hollow developing container adapted to receive a

treating fluid, each of said bottoms being formed with a pair of spaced parallel ribs extending the full length of the container and arranged to engage the marginal edge of a film strip to guide the latter as it is passed through said container, the top edges of said sides being formed



with a recess extending substantially half the length thereof, tongues on the remaining portions of said edges and cooperating with said recesses to maintain said sides in registration, and means cooperating with said tongues and recesses for holding said members in assembled relation.

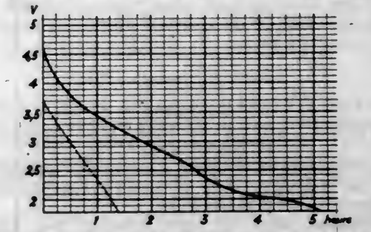
2,186,928
UNWINDING MEANS FOR WIRE COILS
Henry C. Koch, Chicago, Ill., assignor to Abbott Coburn, Chicago, Ill.
Application July 23, 1938, Serial No. 220,988
3 Claims. (Cl. 242—129)



1. A device for the purpose set forth comprising a retainer in the form of an annulus, including inner and outer side-wall-forming portions of openwork form, bars connected with the outer side-wall-forming portion of the retainer to extend crosswise of the face of a coil and converging from said outer side-wall-forming portion toward the center of the retainer, and rigid, concentric, closely spaced apart rings carried by the inner side-wall-forming portion of the retainer and by the outer terminal ends of said inclined bars, respectively, and presenting an endless guide slot for the free end of the wire.

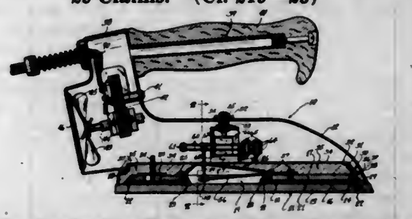
2,186,929
METHOD FOR MANUFACTURING A HIGHLY ACTIVE DEPOLARIZER FROM NATURAL PYROLUSITE
Carlo Rossetti, Yverdon, Switzerland, assignor to the firm Leclanché S. A., Yverdon, Switzerland, a joint-stock company of Switzerland
Application June 18, 1938, Serial No. 214,596
In Germany June 23, 1937
1 Claim. (Cl. 23—145)

A method of manufacturing a depolarizer of high depolarizing capacity by roasting natural pyrolusite in presence of carbon and subsequent treatment with a mineral acid consisting in that the still hot reduced mass which consists of a



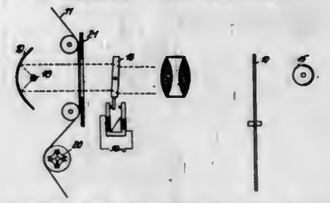
mixture of lower oxides below the formula Mn_2O_3 is suddenly quenched in water before its treatment with acid.

2,186,930
ELECTRICALLY HEATED PRESSING IRON
Frank W. Scharf, Elgin, Ill., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application January 21, 1935, Serial No. 2,667
Renewed May 3, 1939
29 Claims. (Cl. 219—25)



8. In an electrically heated iron, the combination with a base plate and an electric heating element clamped against the upper surface of the base plate, of a hollow upper housing located above the base plate and heating element, a fan located within the hollow housing at one end of the iron and adapted to move air substantially longitudinally of the hollow upper housing to cool the same, air inlet means in the hollow housing through which air is drawn into the hollow housing by the fan and an air outlet for the exhaust of air from the hollow housing.

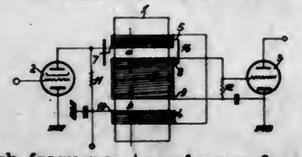
2,186,931
TELEVISION TRANSMISSION METHOD
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application August 13, 1935, Serial No. 36,008
In Germany September 4, 1934
3 Claims. (Cl. 178—7.6)



1. In a television transmitter an arrangement for scanning a film in interlaced lines comprising means for intermittently moving said film through a film gate image per image, a scanning disc having a spiral of apertures and rotating at twice the image frequency, a lens system project-

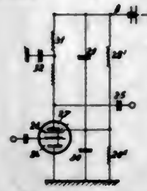
ing an image of said film upon the scanning area of said disc and a plano-parallel glass plate disposed between said film and said lens system and means for turning said glass plate suddenly twice per image change by a small angle for displacing said projected image to and fro by the width of a line.

2,186,932
COUPLING TRANSFORMER FOR TELEVISION ARRANGEMENTS
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application May 12, 1937, Serial No. 142,167
In Germany May 16, 1936
5 Claims. (Cl. 178—44)



1. A high frequency transformer for coupling amplifier circuits used for uniform amplifying of very wide frequency bands, more particularly for television purposes comprising a primary and a secondary winding connected between the circuits to be coupled and coupled so tightly as to have a wide frequency resonance curve corresponding to the desired width of frequency band produced by reason of the arising two coupling waves, said primary and secondary coils the resonant frequencies of which are determined by the inherent capacities being arranged in single-layer fashion co-axially on the same axis, said primary being divided into two winding coils arranged on either side of the secondary and wound in the same direction, the high potential ends of one of said primary coils and of the secondary being arranged closely to one another so that the additional capacity coupling between said one primary coil and the secondary is more effective between said one primary coil and said secondary than between the other primary coil and said secondary.

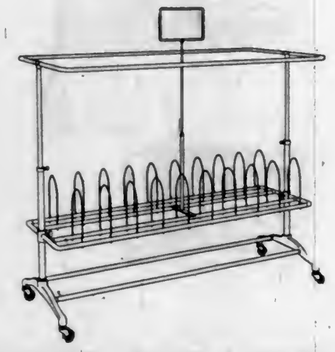
2,186,933
STABILIZATION OF TELEVISION AMPLIFIERS
Kurt Schlesinger, Berlin-Friedrichshagen, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Original application July 23, 1936, Serial No. 92,151. Divided and this application August 10, 1937, Serial No. 158,390. In Germany July 25, 1935
3 Claims. (Cl. 179—171)



1. A television amplifier circuit arrangement which is also enabled to amplify very low frequencies comprising an amplifier tube having at least four electrodes, a cathode, a control grid, a screening grid and an anode, an input and output circuit for amplifying the television impulses, a common feed line circuit from a bias potential source of fluctuating potential for energizing the electrodes of the tube and coupling means for supplying said screening grid with said potential fluctuations, said coupling means consisting of a circuit connection including a capacitive potential divider in combination with an ohmic potential divider between the feed line and the cathode of said tube, said capacitive potential divider consisting of two condensers connected in series and said ohmic potential divider consisting of two ohmic resistances connected in series and in parallel to said condenser-series connection, the connection point of said condensers and said resistances being connected to the screening grid of said tube, said condensers having such values that the detrimental effect of the bias potential fluctuations is compensated by supplemental variation of the anode current of said tube due to the bias potential variations at the screening grid.

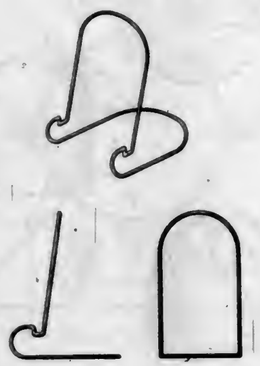
DESIGNS
JANUARY 9, 1940

118,442
DESIGN FOR A DISPLAY RACK FOR PIECE GOODS BOLTS
Simon P. Brown, New York, N. Y.
Application November 10, 1939, Serial No. 88,193
Term of patent 14 years



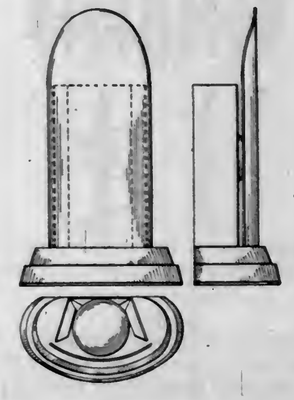
The ornamental design for a display rack for piece goods bolts, substantially as shown.

118,443
DESIGN FOR AN EASEL OR SIMILAR ARTICLE
Herbert E. Fisk and Katherine E. Dyer, Chicago, Ill.
Application March 27, 1939, Serial No. 83,850
Term of patent 14 years



The ornamental design for an easel or similar article, substantially as shown.

118,444
DESIGN FOR AN ADVERTISING DEVICE
Howard Frankel, Wyoming, Ohio, assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio, a corporation of Ohio
Application October 27, 1939, Serial No. 87,895
Term of patent 14 years



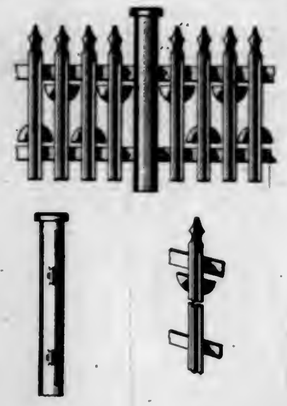
The ornamental design for an advertising device, as shown.

118,445
DESIGN FOR A SAUCEPAN
Paul V. Gardner, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application November 22, 1939, Serial No. 88,429
Term of patent 14 years



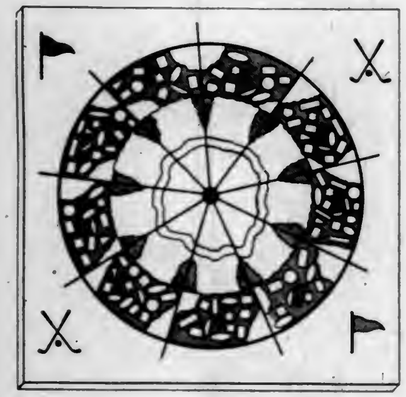
The ornamental design for a saucepan, as shown.

118,446
DESIGN FOR A FENCE
Clarence D. Harris, Nampa, Idaho
Application September 25, 1939, Serial No. 87,384
Term of patent 7 years



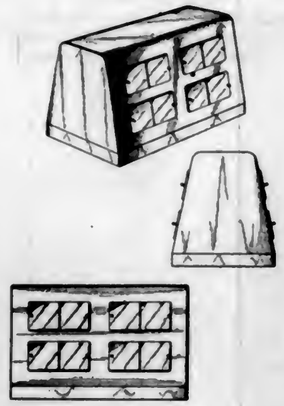
The ornamental design for a fence, as shown.

118,447
DESIGN FOR A DART BOARD
Levant M. Heinze, Prospect Park, Pa.
Application September 13, 1939, Serial No. 87,178
Term of patent 14 years



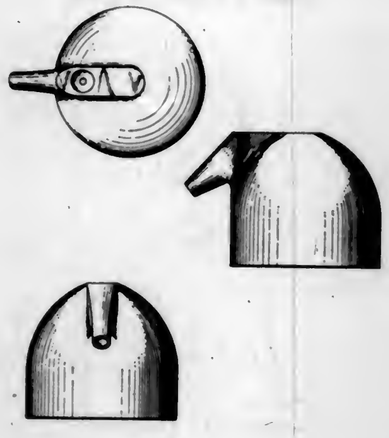
The ornamental design for a dart board, as shown and described.

118,448
DESIGN FOR AN ICE CREAM DISPENSING CABINET OR SIMILAR ARTICLE
Elliott H. Helms, Los Angeles, Calif.
Application October 31, 1939, Serial No. 87,958
Term of patent 7 years



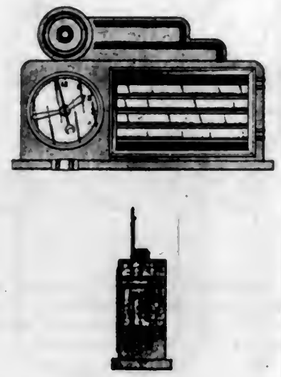
The ornamental design for an ice cream dispensing cabinet or similar article, substantially as shown.

118,449
DESIGN FOR A CAP FOR DISPENSING WHIPPED CREAM OR THE LIKE
Will W. Hubenet, Detroit, Mich.
Application October 18, 1939, Serial No. 87,710
Term of patent 14 years



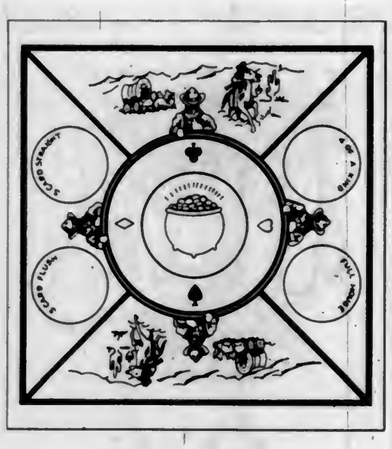
The ornamental design for a cap for dispensing whipped cream or the like, substantially as shown.

118,450
DESIGN FOR A COMBINED CLOCK AND ADVERTISING SIGN
Ralph Landau, New York, N. Y.
Application October 25, 1939, Serial No. 87,846
Term of patent 3½ years



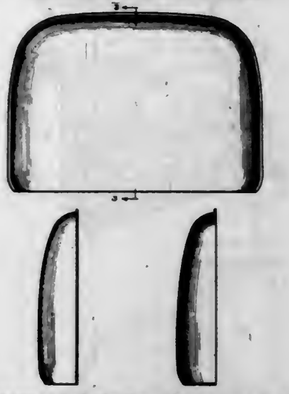
The ornamental design for a combined clock and advertising sign, substantially as shown.

118,451
DESIGN FOR A GAME BOARD OR THE LIKE
Bernard Radford, Chicago, Ill.
Application August 21, 1939, Serial No. 86,819
Term of patent 7 years



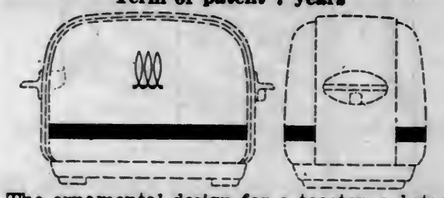
The ornamental design for a game board or the like, as shown and described.

118,452
DESIGN FOR A CASING SIDE WALL FOR A TOASTER OR THE LIKE
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 19, 1939, Serial No. 86,788
Term of patent 7 years



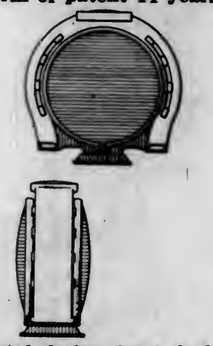
The ornamental design for a casing side wall for a toaster or the like, substantially as shown.

118,453
DESIGN FOR A TOASTER
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 19, 1939, Serial No. 86,789
Term of patent 7 years



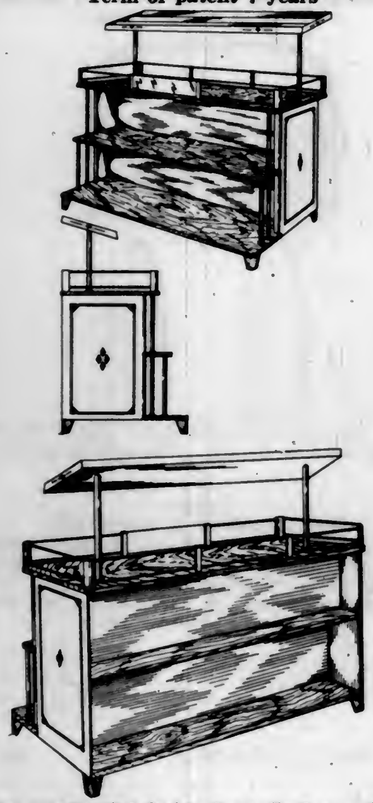
The ornamental design for a toaster, substantially as shown and described.

118,454
DESIGN FOR A FUEL PUMP LIGHT GLOBE
Fred L. Roberts, Ferndale, Mich.
Application May 22, 1939, Serial No. 85,124
Term of patent 14 years



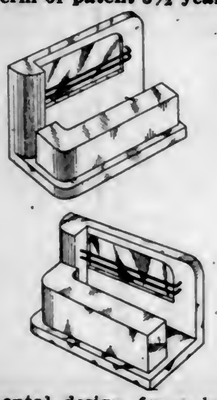
The ornamental design for a fuel pump light globe, substantially as shown.

118,455
DESIGN FOR A DISPLAY RACK
Lee A. Shelton and Russel W. Smith, Des Moines, Iowa, assignors to New Monarch Machine & Stamping Co., Des Moines, Iowa
Application June 12, 1939, Serial No. 85,456
Term of patent 7 years



The ornamental design for a display rack, substantially as shown.

118,456
DESIGN FOR A BAR OR SIMILAR ARTICLE
I. Irving Silverman, Chicago, Ill.
Application October 20, 1939, Serial No. 87,750
Term of patent 3½ years



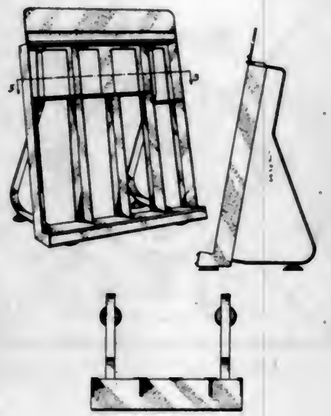
The ornamental design for a bar or similar article, substantially as shown.

118,457
DESIGN FOR A WATER BOTTLE OR SIMILAR ARTICLE
Mary Marjorie Smith and Earla M. Roberts, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 27, 1939, Serial No. 85,236
Term of patent 14 years



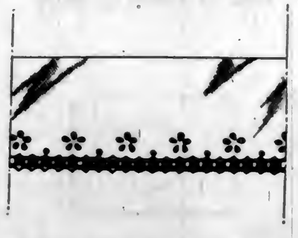
The ornamental design for a water bottle or similar article, substantially as shown and described.

118,458
DESIGN FOR A DISPLAY RACK FOR PACKAGED GOODS
Russel W. Smith, Des Moines, Iowa, assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa
Application August 21, 1939, Serial No. 86,804
Term of patent 7 years



The ornamental design for a display rack for packaged goods, substantially as shown.

118,459
DESIGN FOR AN EMBROIDERED TRIMMING
Hans Tobler and Otto Hallbauer, Union City, N. J.
Application December 8, 1939, Serial No. 88,764
Term of patent 3½ years



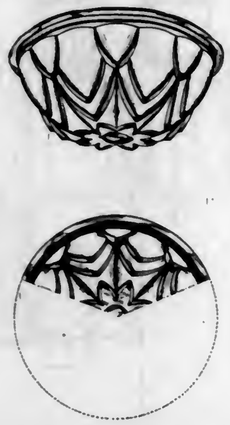
The ornamental design for an embroidered trimming, substantially as shown.

118,460
DESIGN FOR AN EMBROIDERED TRIMMING
Hans Tobler and Otto Hallbauer, Union City, N. J.
Application December 8, 1939, Serial No. 88,765
Term of patent 3½ years



The ornamental design for an embroidered trimming, substantially as shown.

118,461
DESIGN FOR A DESSERT MOLD OR SIMILAR ARTICLE
Carlton G. Towne, Swissvale, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application May 17, 1939, Serial No. 85,035
Term of patent 7 years



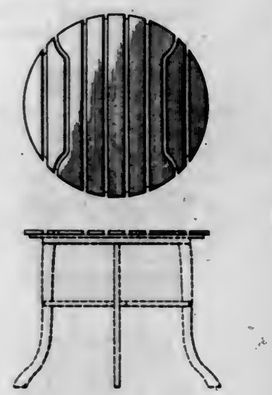
The ornamental design for a dessert mold or similar article, as shown and described.

118,462
DESIGN FOR A DESSERT MOLD OR SIMILAR ARTICLE
Carlton G. Towne, Swissvale, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application May 17, 1939, Serial No. 85,036
Term of patent 7 years



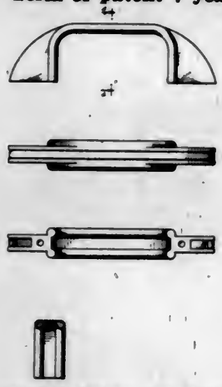
The ornamental design for a dessert mold or similar article, as shown and described.

118,463
DESIGN FOR A TABLE
Robert W. West, Miami, Fla.
Application March 15, 1939, Serial No. 83,587
Term of patent 7 years



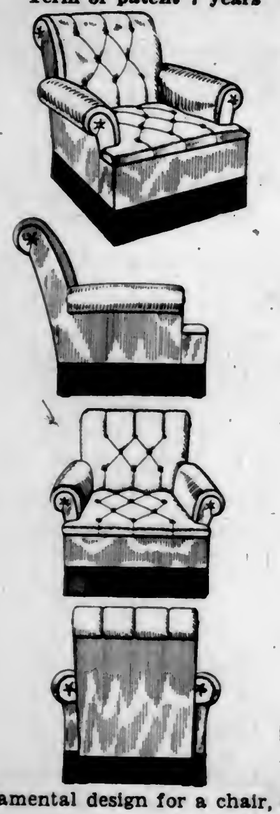
The ornamental design for a table, as shown and described.

118,464
DESIGN FOR A DRAWER PULL
Odin A. Westgaard, Los Angeles, Calif., assignor to Modern Plastics Company, Los Angeles, Calif., a corporation of California
Application October 20, 1939, Serial No. 87,751
Term of patent 7 years



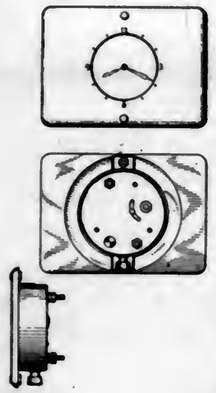
The ornamental design for a drawer pull, as shown.

118,465
DESIGN FOR A CHAIR
Grant Wood, Iowa City, Iowa, assignor to Henry Lubben, Cedar Rapids, Iowa
Application October 5, 1938, Serial No. 80,276
Term of patent 7 years



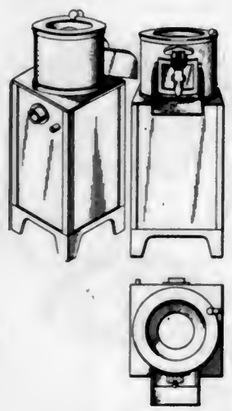
The ornamental design for a chair, as shown.

118,466
DESIGN FOR A PULL WIND PANEL CLOCK
John P. Ambrose, Bronx, N. Y., assignor to Phinney-Walker Co. Inc., New York, N. Y., a corporation of New York
Application November 4, 1939, Serial No. 88,045
Term of patent 14 years



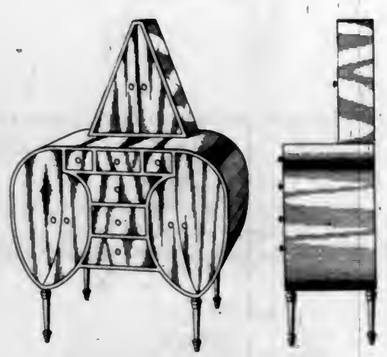
The ornamental design for a pull wind panel clock, substantially as shown.

118,467
DESIGN FOR A PEELING MACHINE
Mortimer R. Anstice, Rochester, N. Y., assignor to Josiah Anstice & Company, Inc., Rochester, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 86,239
Term of patent 14 years



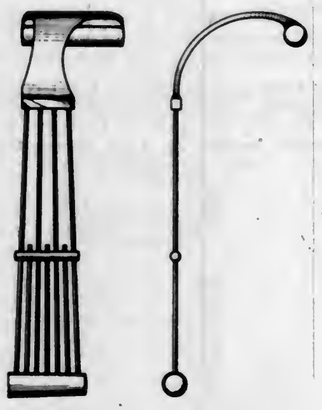
The ornamental design for a peeling machine, as shown.

118,468
DESIGN FOR A DRESSER OR SIMILAR ARTICLE
Ida Carrington, New York, N. Y.
Application November 14, 1939, Serial No. 88,280
Term of patent 3½ years



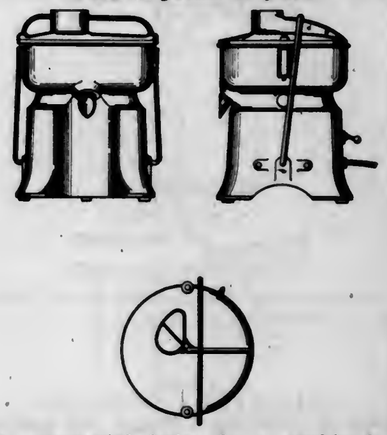
The ornamental design for a dresser or similar article, as shown.

118,469
DESIGN FOR AN OPERATING HANDLE FOR LISTING MACHINES
Loring Pickering Crosman, Maplewood, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application September 14, 1939, Serial No. 87,229
Term of patent 14 years



The ornamental design for an operating handle for listing machines, as shown.

118,470
DESIGN FOR A COMBINED JUICE EXTRACTOR AND MACERATOR
Richard Drachenberg, Grosse Pointe, Mich.
Application April 19, 1939, Serial No. 84,386
Term of patent 14 years



The ornamental design for a combined juice extractor and macerator, as shown.

118,471
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Paul D. Earl, New York, N. Y.
Application December 16, 1939, Serial No. 88,933
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

118,472
DESIGN FOR A SLIPPER
Louis E. Friedman, Brooklyn, N. Y.
Application December 8, 1939, Serial No. 88,774
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

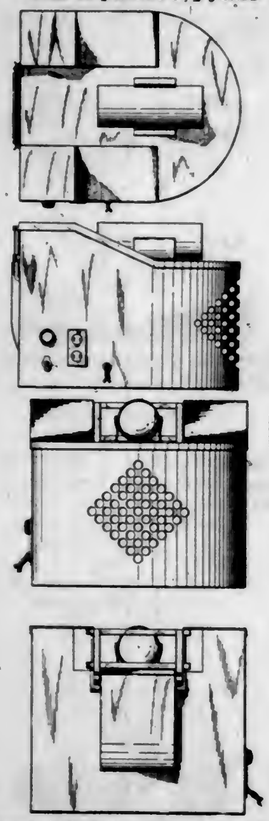
118,473
DESIGN FOR A SLIPPER
Louis E. Friedman, Brooklyn, N. Y.
Application December 8, 1939, Serial No. 88,775
Term of patent 3½ years





The ornamental design for a slipper, substantially as shown.

118,474
DESIGN FOR A PROJECTOR
Maurice H. Goldberg, Chicago, Ill., assignor to Isreal J. London, Laura London, and Burton W. London, all of Detroit, Mich., as joint tenants with right of survivorship
Application August 14, 1939, Serial No. 86,657
Term of patent 3½ years



The ornamental design for a projector, substantially as shown.

118,475
DESIGN FOR A SLIPPER
Morris Greenberg, Brooklyn, N. Y.
Application December 15, 1939, Serial No. 88,908
Term of patent 3½ years





The ornamental design for a slipper, substantially as shown.

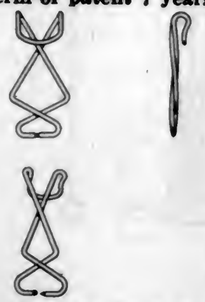
118,476
DESIGN FOR A SLIPPER
Morris Greenberg, Brooklyn, N. Y.
Application December 15, 1939, Serial No. 88,909
Term of patent 3½ years





The ornamental design for a slipper, substantially as shown.

118,477
DESIGN FOR A HOLDING CLIP FOR PHOTOGRAPHIC NEGATIVES AND PRINTS
Martha Greig, New York, N. Y.
Application August 10, 1939, Serial No. 86,579
Term of patent 7 years



The ornamental design for a holding clip for photographic negatives and prints, as shown and described.

118,478
DESIGN FOR A CURTAIN HOOK
Arthur M. Herschensohn, New York, N. Y.
Application November 16, 1939, Serial No. 88,314
Term of patent 3½ years



The ornamental design for a curtain hook, as shown.

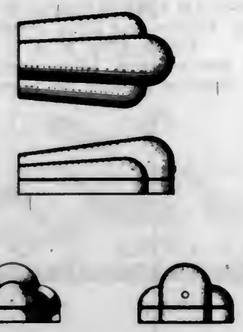
118,479
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application December 2, 1939, Serial No. 88,626
Term of patent 3½ years





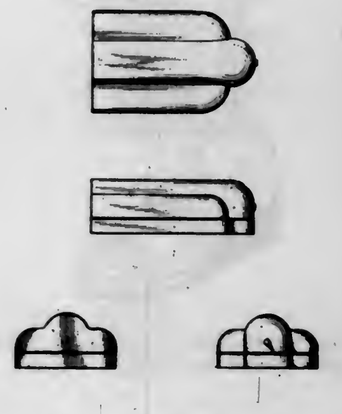
The ornamental design for a shoe, substantially as shown.

118,480
DESIGN FOR A VANITY CASE
Pierre H. Pingen, Erie, Pa., assignor to Erie Plastics Company, Erie, Pa., a corporation of Pennsylvania
Application May 9, 1939, Serial No. 84,891
Term of patent 3½ years



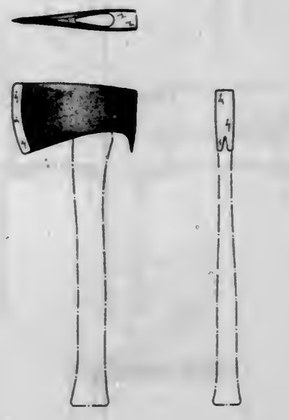
The ornamental design for a vanity case, substantially as shown.

118,481
DESIGN FOR A VANITY CASE
Pierre H. Pingen, Erie, Pa., assignor to Erie Plastics Company, Erie, Pa., a corporation of Pennsylvania
Application May 9, 1939, Serial No. 84,892
Term of patent 3½ years



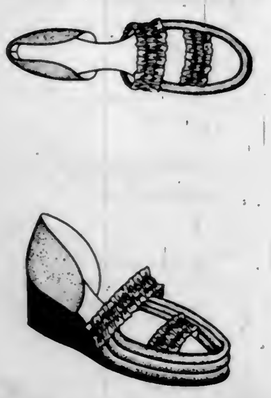
The ornamental design for a vanity case, substantially as shown.

118,482
DESIGN FOR AN AX OR SIMILAR HAND TOOL
Walter W. Rector, Cleveland, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application August 15, 1939, Serial No. 86,695
Term of patent 14 years



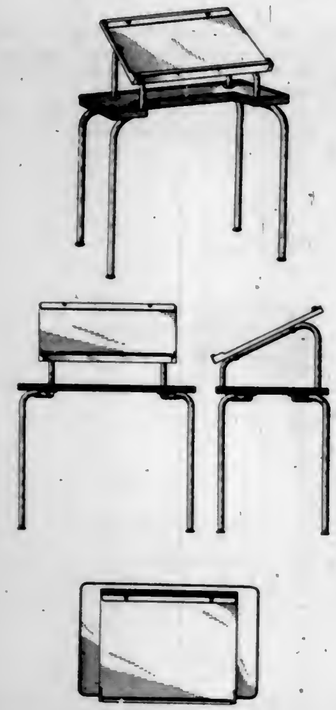
The ornamental design for an ax or similar hand tool, substantially as shown.

118,483
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Joseph Romm, New York, N. Y.
Application November 24, 1939, Serial No. 88,444
Term of patent 3½ years



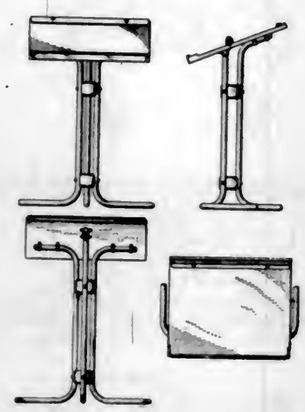
The ornamental design for a slipper or similar article, substantially as shown.

118,484
DESIGN FOR A STAND
Irving Salomon, Michigan City, Ind.
Application November 9, 1939, Serial No. 88,138
Term of patent 7 years



The ornamental design for a stand, as shown.

118,485
DESIGN FOR A STAND
Irving Salomon, Michigan City, Ind.
Application November 9, 1939, Serial No. 88,139
Term of patent 7 years



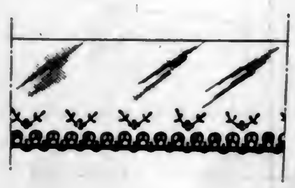
The ornamental design for a stand, as shown.

118,486
DESIGN FOR AN EMBROIDERED TRIMMING
Hans Tobler and Otto Hallbauer,
Union City, N. J.
Application December 8, 1939, Serial No. 88,762
Term of patent 3½ years



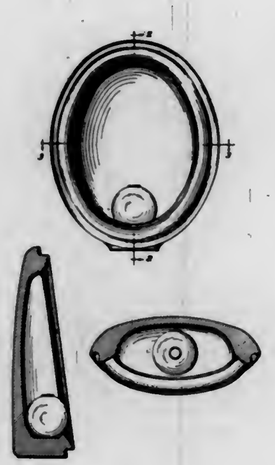
The ornamental design for an embroidered trimming, substantially as shown.

118,487
DESIGN FOR AN EMBROIDERED TRIMMING
Hans Tobler and Otto Hallbauer,
Union City, N. J.
Application December 8, 1939, Serial No. 88,763
Term of patent 3½ years



The ornamental design for an embroidered trimming, substantially as shown.

118,488
DESIGN FOR A COMBINATION SUPPORTING FRAME AND FLOWER HOLDER
Lewis P. Weil, Germantown, Pa.
Application November 4, 1939, Serial No. 88,033
Term of patent 7 years



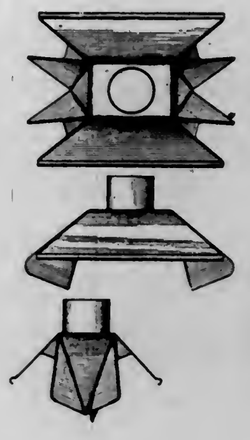
The ornamental design for a combination supporting frame and flower holder, as shown.

118,489
DESIGN FOR A SLIPPER
Hyman M. Edelstein, Jersey City, N. J.
Application December 12, 1939, Serial No. 88,835
Term of patent 3½ years



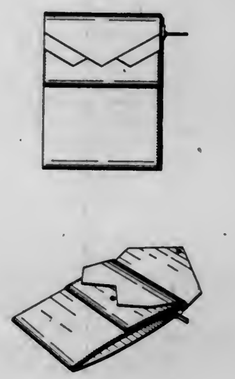
The ornamental design for a slipper, substantially as shown.

118,490
DESIGN FOR A REFLECTOR
George Arras, Chicago, Ill.
Application June 5, 1939, Serial No. 85,347
Term of patent 7 years



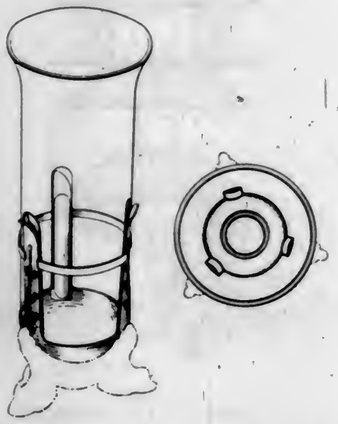
The ornamental design for a reflector, as shown.

118,491
DESIGN FOR A COMBINATION WALLET AND COSMETIC CONTAINER
Rita Bach, New York, N. Y.
Application November 24, 1939, Serial No. 88,445
Term of patent 7 years



The ornamental design for a combination wallet and cosmetic container, substantially as shown and described.

118,492
DESIGN FOR A CANDLE LAMP
Norbert J. Baumer, Baltimore, Md., assignor to A. Gross Candle Co., Inc., Baltimore, Md., a corporation of Delaware
Application November 14, 1939, Serial No. 88,281
Term of patent 14 years



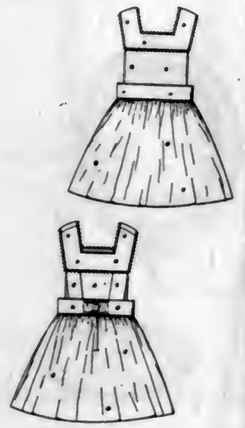
The ornamental design for a candle lamp, substantially as shown and described.

118,493
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Israel Berman, New York, N. Y.
Application December 7, 1939, Serial No. 88,742
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

118,494
DESIGN FOR A DRESS
Gladys K. Cloyes, Houston, Tex.
Application November 24, 1939, Serial No. 88,454
Term of patent 7 years



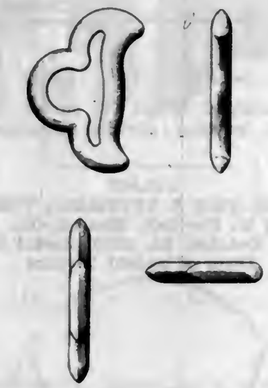
The ornamental design for a dress, substantially as shown.

118,495
DESIGN FOR A TABLE RADIO
Richard Dardess, Chatham, N. Y.
Application August 22, 1939, Serial No. 86,829
Term of patent 7 years



The ornamental design for a table radio, as shown and described.

118,496
DESIGN FOR A MOTOR VEHICLE BUMPER GUARD
Alexander C. de Hoffmann, New York, N. Y.
Application October 27, 1939, Serial No. 87,884
Term of patent 14 years



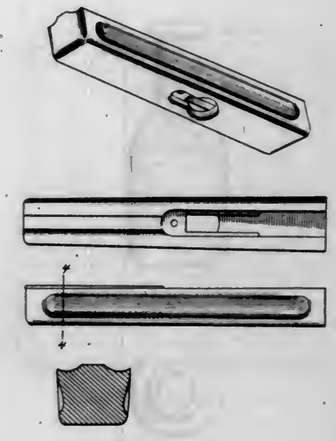
The ornamental design for a motor vehicle bumper guard, as shown.

118,497
DESIGN FOR A SEED ENVELOPE
Walter L. Earnshaw, Hollywood, Calif.
Application March 9, 1938, Serial No. 75,696
Term of patent 3½ years



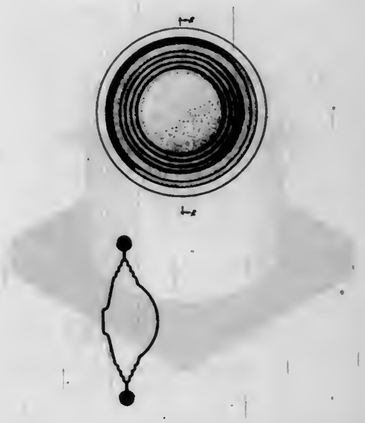
The ornamental design for a seed envelope, substantially as shown.

118,498
DESIGN FOR A FORE END FOR GUNS
Arthur Charles Fink, Rock Township, Jefferson County, Mo.
Application July 6, 1939, Serial No. 85,858
Term of patent 14 years



The ornamental design for a fore end for guns, as shown.

118,499
DESIGN FOR A JUVENILE VEHICLE WHEEL
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 4, 1939, Serial No. 82,791
Term of patent 7 years



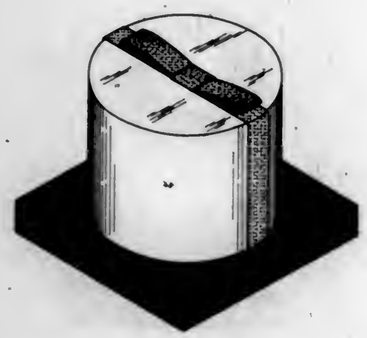
The ornamental design for a juvenile vehicle wheel, substantially as shown.

118,500
DESIGN FOR A MILK BOTTLE
Troy Darrell Lewis, Glendale, Calif., assignor to Arden Farms, Inc., Los Angeles, Calif., a corporation of Maryland
Application May 20, 1939, Serial No. 85,102
Term of patent 14 years



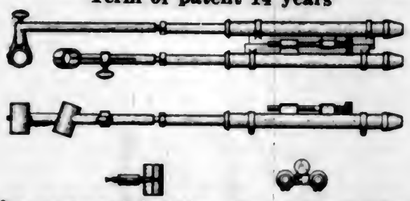
The ornamental design for a milk bottle, substantially as shown.

118,501
DESIGN FOR A COMBINED BOX AND BASE THEREFOR
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1938, Serial No. 76,309
Term of patent 7 years



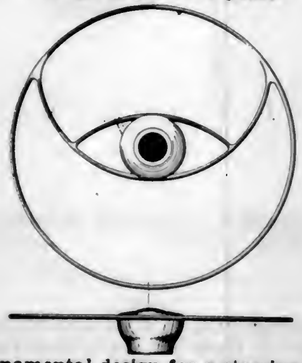
The ornamental design for a combined box and base therefor, substantially as shown and described.

118,502
DESIGN FOR CARBON HOLDER FOR ELECTRIC ARC WELDING DEVICES
Clayton P. Nielsen, Chicago, Ill.
Application August 28, 1939, Serial No. 86,915
Term of patent 14 years



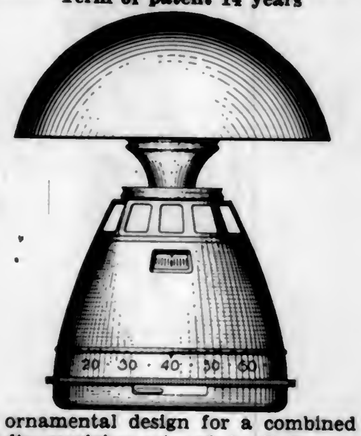
The ornamental design for carbon holder for electric arc welding devices, substantially as shown.

118,503
DESIGN FOR A STEERING WHEEL
Raymond W. Parriott, Moundsville, W. Va.
Application October 20, 1939, Serial No. 87,776
Term of patent 7 years



The ornamental design for a steering wheel, as shown.

118,504
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
John J. Punke, Detroit, Mich., assignor to Daniel J. Crowley, Grosse Pointe, Mich.
Application October 23, 1939, Serial No. 87,827
Term of patent 14 years



The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

118,505
DESIGN FOR A DRESS
Syd Novak, Chicago, Ill.
Application December 4, 1939, Serial No. 88,646
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,506
DESIGN FOR A CARRYING HANDLE FOR WAFFLE BAKER OR THE LIKE
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 10, 1939, Serial No. 86,590
Term of patent 7 years



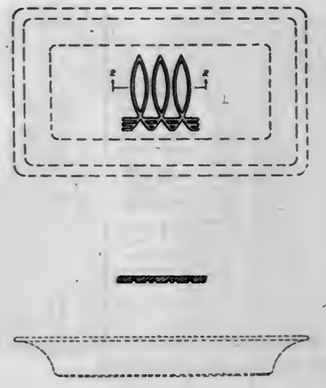
The ornamental design for a carrying handle for waffle baker or the like, substantially as shown.

118,507
DESIGN FOR A LIFTING HANDLE FOR WAFFLE BAKER OR THE LIKE
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 10, 1939, Serial No. 86,591
Term of patent 7 years



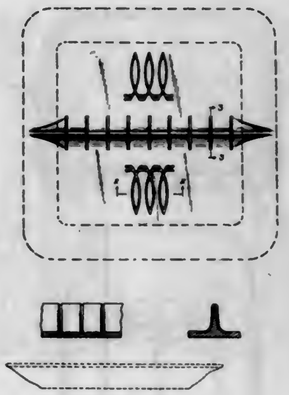
The ornamental design for a lifting handle for waffle baker or the like, substantially as shown.

118,508
DESIGN FOR A DISH
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 10, 1939, Serial No. 86,593
Term of patent 7 years



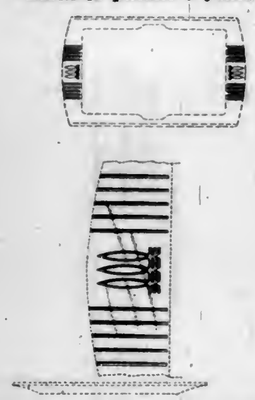
The ornamental design for a dish, substantially as shown and described.

118,509
DESIGN FOR A DISH
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 10, 1939, Serial No. 86,594
Term of patent 7 years



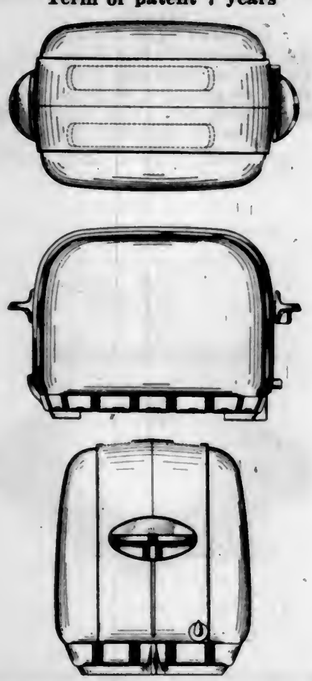
The ornamental design for a dish, substantially as shown and described.

118,510
DESIGN FOR A TRAY
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 19, 1939, Serial No. 86,786
Term of patent 7 years



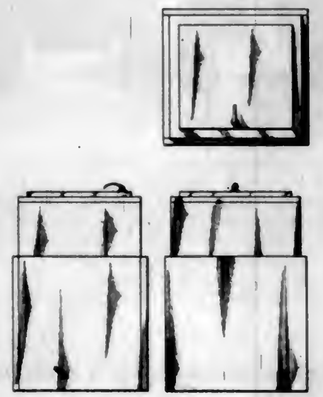
The ornamental design for a tray, substantially as shown and described.

118,511
DESIGN FOR A TOASTER
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 19, 1939, Serial No. 86,787
Term of patent 7 years



The ornamental design for a toaster, substantially as shown and described.

118,512
DESIGN FOR A STOKER HOPPER HOUSING
Gilbert M. Seaman, Catskill, N. Y., assignor to Catskill Metal Works, Inc., Catskill, N. Y., a corporation of New York
Application April 19, 1939, Serial No. 84,486
Term of patent 7 years



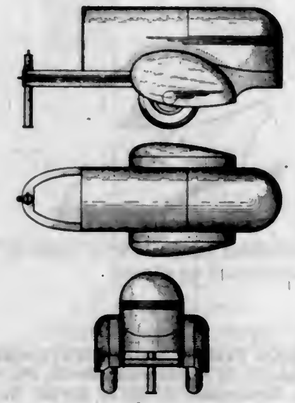
The ornamental design for a stoker hopper housing, as shown.

118,513
DESIGN FOR A TEXTILE FABRIC
Agnes S. Selverstone, Brooklyn, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
Application November 25, 1939, Serial No. 88,491
Term of patent 7 years



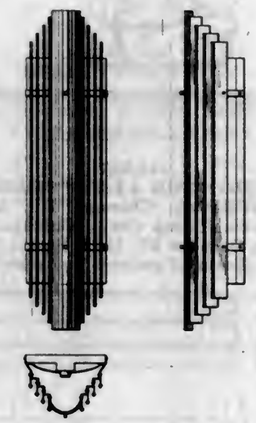
The ornamental design for a textile fabric, as shown and described.

118,514
DESIGN FOR A PORTABLE HEATER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Cleaver-Brooks Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 26, 1939, Serial No. 86,260
Term of patent 7 years



The ornamental design for a portable heater, as shown and described.

118,515
DESIGN FOR A LIGHTING FIXTURE
Marion A. Summerour and Harry C. Devine, Jr., Kansas City, Mo., assignors to Summerour & Devine, Inc., Kansas City, Mo., a corporation of Missouri
Application May 22, 1939, Serial No. 85,115
Term of patent 7 years



The ornamental design for a lighting fixture, as shown.

118,516
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application December 4, 1939, Serial No. 88,647
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,517
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application December 4, 1939, Serial No. 88,648
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,518
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application December 4, 1939, Serial No. 88,650
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,519
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application December 4, 1939, Serial No. 88,651
Term of patent 3½ years



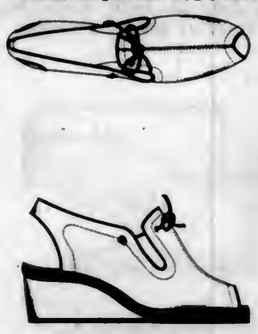
The ornamental design for a dress, substantially as shown.

118,520
DESIGN FOR A COAT
Thomas Trozzi, New York, N. Y.
Application December 15, 1939, Serial No. 88,918
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,521
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Arthur H. Tupper, New York, N. Y.
Application December 8, 1939, Serial No. 88,771
Term of patent 3½ years



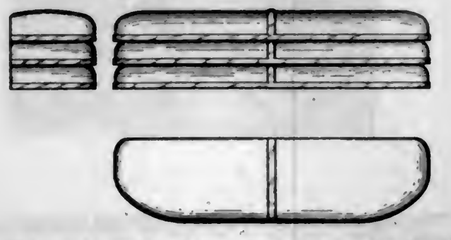
The ornamental design for a shoe or similar article, substantially as shown.

118,522
DESIGN FOR A NURSERY LAMP
Lewis P. Well, Germantown, Pa.
Application November 4, 1939, Serial No. 88,034
Term of patent 7 years



The ornamental design for a nursery lamp, as shown.

118,523
DESIGN FOR A LAMP SHADE
Oliver H. Williams, Chicago, Ill., assignor to Industrial Lamp Corp., Chicago, Ill.
Application October 25, 1939, Serial No. 87,854
Term of patent 7 years



The ornamental design for a lamp shade, as shown.

118,524
DESIGN FOR A COAT
David Zelinka, New York, N. Y.
Application December 5, 1939, Serial No. 88,688
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,525
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application December 6, 1939, Serial No. 88,728
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

118,526
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application December 6, 1939, Serial No. 88,730
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

118,527
DESIGN FOR A SUIT ENSEMBLE
Samuel Zimmerman, New York, N. Y.
Application December 6, 1939, Serial No. 88,731
Term of patent 3½ years



The ornamental design for a suit ensemble, substantially as shown.

118,528
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application December 6, 1939, Serial No. 88,732
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,529
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application December 16, 1939, Serial No. 88,929
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,530
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application December 16, 1939, Serial No. 88,930
Term of patent 3½ years



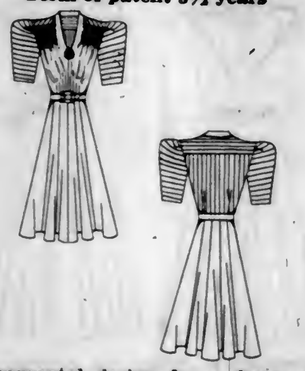
The ornamental design for a coat, substantially as shown.

118,531
DESIGN FOR A DRESS
George Hirsh, New York, N. Y.
Application December 5, 1939, Serial No. 88,694
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,532
DESIGN FOR A DRESS
Harry Kolbrener, New York, N. Y.
Application November 24, 1939, Serial No. 88,435
Term of patent 3½ years



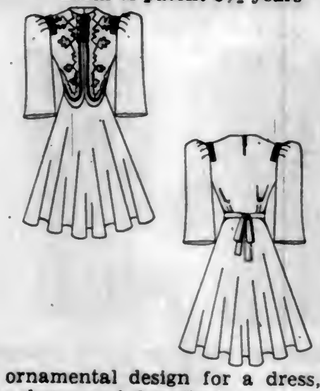
The ornamental design for a dress, substantially as shown and described.

118,533
DESIGN FOR A DRESS
Morris Preller, New York, N. Y.
Application December 6, 1939, Serial No. 88,727
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,534
DESIGN FOR A DRESS
Jack Wasserman, Lawrence, N. Y.
Application November 24, 1939, Serial No. 88,438
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,535
DESIGN FOR A DRESS
Jack Wasserman, Lawrence, N. Y.
Application November 25, 1939, Serial No. 88,473
Term of patent 3½ years



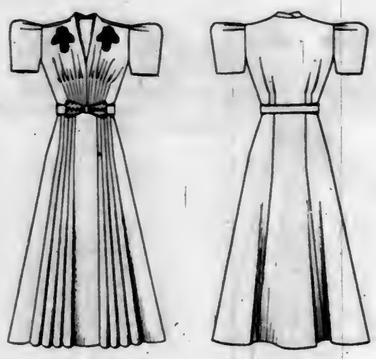
The ornamental design for a dress, substantially as shown and described.

118,536
DESIGN FOR A TEXTILE FABRIC
Louis Bry, New York, N. Y.
Application November 14, 1939, Serial No. 88,278
Term of patent 3½ years



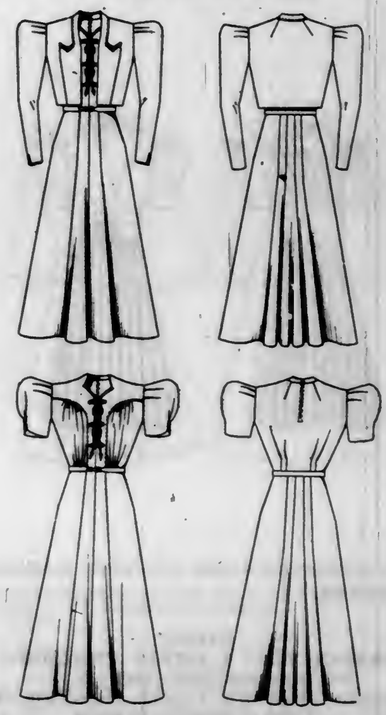
The ornamental design for a textile fabric, substantially as shown, and described.

118,537
DESIGN FOR A DRESS
Nathan Kaback, New York, N. Y.
Application December 4, 1939, Serial No. 88,654
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,538
DESIGN FOR A DRESS ENSEMBLE
Louis L. Kashine, New York, N. Y.
Application December 4, 1939, Serial No. 88,653
Term of patent 3½ years



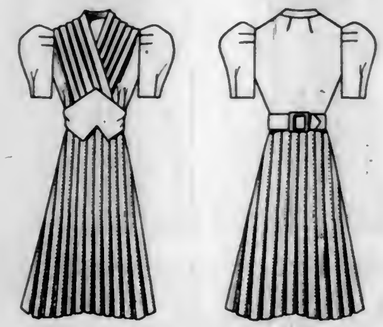
The ornamental design for a dress ensemble, substantially as shown.

118,539
DESIGN FOR A WOVEN TEXTILE FABRIC
James R. Lister, Philadelphia, Pa.
Application December 7, 1939, Serial No. 88,741
Term of patent 3½ years



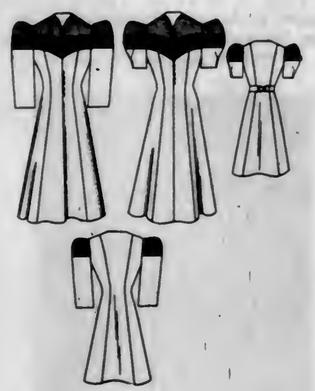
The ornamental design for a woven textile fabric, substantially as shown.

118,540
DESIGN FOR A DRESS
Simon Mahler, New York, N. Y.
Application December 5, 1939, Serial No. 88,693
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,541
DESIGN FOR A DRESS ENSEMBLE
Sol Richman, New York, N. Y.
Application December 4, 1939, Serial No. 88,659
Term of patent 3½ years



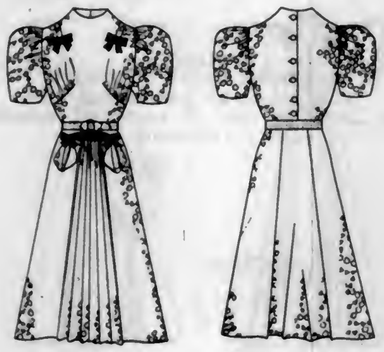
The ornamental design for a dress ensemble, substantially as shown.

118,542
DESIGN FOR A DRESS ENSEMBLE
Sol Richman, New York, N. Y.
Application December 4, 1939, Serial No. 88,660
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,543
DESIGN FOR A DRESS
Jacob M. Sterngold, New York, N. Y.
Application December 7, 1939, Serial No. 88,737
Term of patent 3½ years



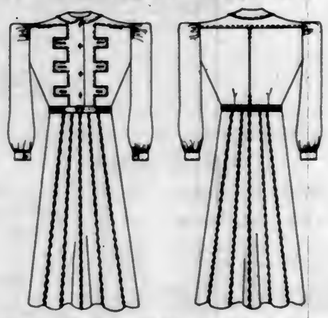
The ornamental design for a dress, substantially as shown.

118,544
DESIGN FOR A DRESS
Jacob M. Sterngold, New York, N. Y.
Application December 7, 1939, Serial No. 88,738
Term of patent 3½ years



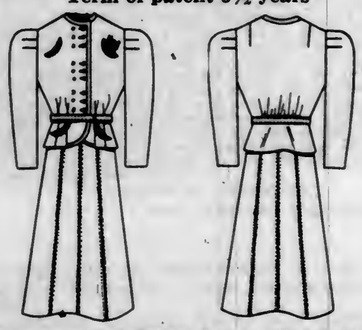
The ornamental design for a dress, substantially as shown.

118,545
DESIGN FOR A DRESS
Abraham Swartz, New York, N. Y.
Application December 5, 1939, Serial No. 88,689
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,546
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application December 6, 1939, Serial No. 88,729
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

118,547
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application December 16, 1939, Serial No. 88,928
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,548
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application December 16, 1939, Serial No. 88,931
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,549
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application December 16, 1939, Serial No. 88,932
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

118,550
DESIGN FOR A COMBINED LAMP, RADIO, AND CLOCK
Theodore Tinker, Norwalk, Conn., and George von der Lin, Jackson Heights, N. Y.
Application May 9, 1939, Serial No. 84,894
Term of patent 7 years



The ornamental design for a combined lamp, radio, and clock, as shown and described.

Patents Nos. 2,186,934 to 2,187,714

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 510—No. 3 TUESDAY, JANUARY 16, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF JANUARY 16, 1940	541
NOTICES OF CANCELLATION	541
TRADE-MARK REGISTRATIONS CANCELED	541
APPLICATIONS UNDER EXAMINATION	542
DECISIONS OF THE U. S. COURTS—	
In re Parker	543
In re Mink	544
PATENT SUITS	545
DISCLAIMER	546
TRADE-MARKS PUBLISHED (109 APPLICATIONS)	547
TRADE-MARK REGISTRATIONS GRANTED	566
TRADE-MARK REGISTRATIONS RENEWED	571
LABELS	572
LABELS RENEWED	573
PRINTS	573
REISSUES	575
PLANT PATENTS	577
PATENTS GRANTED	578
DESIGNS	759

January 16, 1940

Trade-Marks	102—No.	374,545 to No.	374,646, inclusive.
T. M. Renewals	29		
Labels	32—No.	54,140 to No.	54,171, inclusive.
Labels Renewed	1		
Prints	5—No.	17,800 to No.	17,804, inclusive.
Reissues	9—No.	21,320 to No.	21,328, inclusive.
Plant Patents	2—No.	353 to No.	354, inclusive.
Patents	781—No.	2,186,934 to No.	2,187,714, inclusive.
Designs	60—No.	118,551 to No.	118,610, inclusive.
Total	1,021		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 14, 1939.*
Rose Chevalier Gostenhofer, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Mary Chess Inc., 305 E. 63rd St., New York, N. Y., to effect the cancellation of trade-mark registration of Rose Chevalier Gostenhofer, 478 Central Park West, New York, N. Y., No. 194,919, dated February 10, 1925, and the notice of such proceeding sent by registered mail to the said Rose Chevalier Gostenhofer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Rose Chevalier Gostenhofer, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Jan. 4, 1940.*
M. Zigelman, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Old Quaker Company, Lawrenceburg, Ill., to effect the cancellation of trade-mark registration No. 173,947, issued October 2, 1923, to M. Zigelman, 2218 South Broadway, St. Louis, Mo., and a notice of such proceeding sent by registered mail to said M. Zigelman at said address having been returned by the post office as undeliverable, notice is hereby given that unless said M. Zigelman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Trade-Mark Registrations Canceled

122,433. Fresh grapes. California Fruit Exchange, Sacramento, Calif. Registered August 20, 1918. Canceled December 1, 1939.

143,617. Maltless beverages. Joseph Glazer, Fort Worth, Tex. Registered June 7, 1921. Canceled December 1, 1939.

154,558. Chili sauce and catchup. Greenabaum Bros., Inc., Seaford, Del. Registered April 18, 1922. Canceled November 17, 1939.

191,169. Brandy. Frederick Culman, doing business as Frederick Culman Co., New York, N. Y. Registered November 4, 1924. Canceled December 15, 1939.

283,492. Brooms. Stametco Broom & Mfg. Co. Inc., St. Paul, Minn. Registered May 26, 1931. Canceled November 17, 1939.

307,686. Wooden culvert. Percy E. Hoak, Des Moines, Iowa. Registered October 31, 1933. Canceled December 1, 1939.

312,530. Whiskey. Interstate Wine & Liquor Co., Baltimore, Md. Registered May 1, 1934. Canceled November 17, 1939.

332,139. Caulking, glazing, and grease guns. Albion Manufacturing Co., Philadelphia, Pa. Registered February 4, 1936. Canceled November 17, 1939.

335,376. Transfer paper. Coughlin Manufacturing Company, New York, N. Y. Registered June 2, 1936. Canceled November 17, 1939.

344,736. Preparation for use in protecting painted surfaces of automobiles, etc. Radian Manufacturing Company, Detroit, Mich. Registered April 6, 1937. Canceled December 15, 1939.

357,154. Mayonnaise. Bennett Foods Products Co., Baltimore, Md. Registered May 24, 1938. Canceled December 15, 1939.

372,211. Certain named medicinal preparation. Frederick Stearns & Company, Detroit, Mich. Registered October 24, 1939. Canceled December 15, 1939.

Condition of Applications Under Examination at Close of Business December 30, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,034; Trade-Mark Division, 1,275. Oldest new case, May 12, 1939; oldest amended, May 12, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 25	July 24	624
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 30	May 18	852
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 3	Nov. 1	321
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 13	July 26	612
3077	5. ROBINSON, O. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 26	Sept. 25	428
4808 C	6. LEWERS, A. M., Carbon Chemistry (part)	June 29	July 13	959
5726	7. JARBOE, C. G., Optics; Photography	Sept. 7	Sept. 2	980
3385	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 21	July 8	1096
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 15	July 17	788
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 21	Sept. 21	510
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 6	Sept. 12	472
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 19	June 21	455
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 25	July 25	729
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 21	Oct. 12	456
4997	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 5	July 11	1287
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 1	Aug. 1	604
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 3	Aug. 15	713
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 8	Aug. 9	550
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	Aug. 27	496
6606	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 19	Aug. 14	379
7738	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 30	Aug. 29	514
5690	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 5	June 5	1107
7624	23. BUTTNER, W. J., Registers (part)	June 8	June 7	316
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 22	May 18	1877
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 11	Aug. 21	613
5898	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 1	Aug. 9	807
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 8	June 3	1089
4628	28. SOLYOM, H. L., Internal-Combustion Engines Machine Element; Cylinders and Pistons	Aug. 16	Aug. 18	480
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 1	July 1	816
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 3	Aug. 1	846
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 29	Aug. 29	942
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 2	Oct. 2	336
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 5	Aug. 7	1024
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Oct. 9	Oct. 11	222
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 12	Aug. 4	731
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 25	Aug. 10	647
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 22	July 27	779
3894	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 22	June 26	812
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 25	Aug. 26	694
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 12	June 12	2014
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 14	Aug. 3	278
5883	42. CUTTING, H. O., Electric Signaling	June 10	June 14	707
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 6	Sept. 2	521
6087 B	44. HARVEY, L. P., Refrigeration	Aug. 9	July 31	674
7098	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 4	Sept. 15	557
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 3	Aug. 10	737
6082	47. LOWE, E. R., Clutches; Brakes	Sept. 5	Sept. 2	541
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 18	Aug. 22	457
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 1	July 1	999
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 2	Aug. 3	1347
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 11	Oct. 9	687
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 24	Sept. 13	704
6807	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 20	Sept. 7	322
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 13	Oct. 5	330
6583	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 29	Aug. 4	461
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 5	July 10	1295
6612	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 2	July 29	402
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 31	Sept. 2	428
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 19	July 19	880
5866	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 29	Aug. 29	415
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 1	Aug. 1	622
5621	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 16	Oct. 18	407
4868	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 29	June 29	1056
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Sept. 12	Sept. 12	681
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 16	Aug. 3	508
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Nov. 24	Dec. 5	1213
2605	Labels and Prints	Dec. 18	Dec. 28	62
	Designs: H. H. KALUPY	Nov. 14	Nov. 20	743

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Parker

No. 4,193. Decided December 4, 1939

[— F.(2d) —]

PATENTABILITY—BODY DEODORANT.

Claims for a body deodorant *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Henry C. Parker, pro se.

Mr. Howard S. Miller for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims—Nos. 5, 7, 8, 9, and 10—in appellant's application for a patent for an alleged invention relating to a body deodorant.

The appealed claims read:

5. A finely pulverulent dusting powder used as a body deodorant, consisting substantially of sodium bicarbonate, and from about 2 to 25 per cent of sodium perborate.

7. A composition of matter used as a body deodorant, consisting substantially of sodium bicarbonate, from about 2 to 25 per cent of sodium perborate and sufficient water-free oleaginous material to make a paste.

8. A dusting powder comprising a finely ground mixture of sodium bicarbonate and from about 2 to 25 per cent of sodium perborate free from acid ingredients.

9. The dusting powder of claim 7 to which there has been added an inert ingredient acting as a sticker.

10. A dusting powder used as a body deodorant comprising sodium bicarbonate, from about 2 to 25 per cent of sodium perborate and from about 10 to 50 per cent of talc, the composition being in the form of an impalpable powder.

The references are: Gruter et al., 975,354, November 8, 1910; Relyea, 1,297,735, March 18, 1919; Poucher, "Perfumes, Cosmetics and Soaps," 3d Ed. (1929), vol. 2, page 480.

Appellant's alleged invention is a "pulverulent dusting powder used as a body deodorant." It consists substantially of sodium bicarbonate and from 2 to 25 per centum of sodium perborate (appealed claim 5), to which may be added an "inorganic sticking agent, such as talc [appealed claim 10], bentonite, silica gel, fuller's earth, etc." The mixture may be made into the form of paste by adding sufficient water-free oleaginous material (appealed claim 7).

Appellant states in his application that—

> A rather wide ratio between the various components of my dusting powder is permissible. Even as small a proportion as 2 to 3 per cent of sodium perborate produces an appreciable improvement in the deodorising action of sodium bicarbonate. When the proportion of sodium perborate reaches about 50 per cent the preparation becomes somewhat irritating to persons with tender skins and when used under certain circumstances. I consider from about 5 to 25 per cent sodium perborate as the optimum proportion of this ingredient. A sticker, such as talc, can be admixed with the aforesaid ingredients in proportions ranging from about 10 to 50 per cent by weight.
>
> * * * * * * *
>
> Various changes may be made in the specific proportions of ingredients and other details of the above procedures without departing from the spirit of my invention.

The patent to Gruter et al. relates to improvements in stable mixtures of perborates for producing hydrogen peroxide. The patentees' mixture which contains sodium perborate and bitartrate of sodium and which, on contact with water, forms hydrogen peroxide, has deodorizing and disinfecting properties. The Primary Examiner stated in his decision that that patent was cited "as showing the deodorising effect of hydrogen peroxide produced from sodium perborate, which is mixed with sodium bitartrate."

The patent to Relyea relates to an antiseptic compound and discloses a composition comprising sodium bicarbonate and sodium perborate in powder form. The patentee stated that his compound—

> upon solution will have prompt germicidal and antiseptic properties and which can be freely *used upon open wounds and ulcers* without the prevention of the prompt repair and new formation of new tissue, and which will be free from local and other irritating effects upon mucous or serous surfaces, and which composition will likewise remain in a permanent and stable condition until brought in contact with moisture.
>
> Among the oxygen yielding compounds which may be used without departing from the spirit of my invention, *I have found sodium perborate to give satisfactory results when combined with acid sodium carbonate*, which acts as an activating agent, and secures a decomposition of the perborate with the required rapidity. I have found that *to mix these two materials into powder form is effective in providing an antiseptic and germicidal solution upon dissolving them in water*, by reason of the prompt liberation of the nascent oxygen with the reduction of the objectionable alkalinity possessed by the perborate. As is well known, *acid sodium carbonate, which is also called sodium bicarbonate* is almost neutral as its aqueous solution is very faintly alkaline, showing that the salt remains substantially unhydrolyzed. [Italics ours.]

The patentee also stated that a mixture of—

> "sodium perborate, 50 parts; acid sodium carbonate (sodium bicarbonate), 40 parts; and disodium phosphate, 10 parts"

gave satisfactory antiseptic and germicidal results; that his compound—

> "may be used as a dusting powder upon moist surfaces whereby the compound is dissolved by the secretions or other body or animal fluids present and in this way exert its antiseptic and germicidal properties";

and that the proportions of the dry materials used by him might be departed from without altering the spirit of his invention.

The Poucher reference, a publication, discloses the use of talc as a "sticking agent" in face powders. The Primary Examiner stated in his decision that the "use of stickers or of oleaginous materials with powders is conventional in the art."

The appealed claims were rejected by the tribunals of the Patent Office on the ground that they did not involve invention over the references of record.

Relative to the principal reference, the patent to Relyea, the Primary Examiner said:

> Relyea states that his compound may be used as a dusting powder on moist surfaces. It is considered that this disclosure anticipates the use of the composition of the applicant, as it would appear that the surfaces of the body to which the applicant's powder is applied would either be moist or would become moist. That such a composition containing perborate would have a deodorising effect is shown by Gruter.
>
> * * * * * * *
>
> The applicant has argued that the theory of his composition differs from that of Relyea. Since the composition of Relyea contains the same ingredients and is used for the same purpose as that of the applicant, no merit is found in this contention.
>
> The applicant has also argued that the proportions of

sodium perborate, from about 2 to 25 per cent, are critical. The Relyea composition shows specific proportions of 50 per cent of sodium perborate, which, applicant alleges, would be irritating to the skin. The applicant further has submitted his own affidavit to the effect that he made tests of compositions of sodium bicarbonate and sodium perborate as a body deodorant; that compositions containing as much as 50 per cent sodium perborate had no harmful effect on the skin in winter, but during the summer were irritating when used daily over a period of several weeks; that at least 2 per cent of sodium perborate must be added to enhance the deodorizing properties of sodium bicarbonate; and that he therefore considers the proportions of sodium perborate from 2 to 25 per cent to be critical in his deodorizing dusting powder. However, the applicant himself has shown that a proportion in excess of his range is not irritating in winter. Nor does such a range of proportions from 2 to 25 per cent appear to be critical within the ordinary meaning of that term. The permissive selection over such a wide range is obviously a matter of choice. Dusting powder compositions of sodium bicarbonate and sodium perborate being old in Relyea, it would appear to be merely a matter of choice for one skilled in the art to select suitable proportions of perborate so that the composition would not be irritating to the skin. This can readily be determined by mere trial by one skilled in this art.

The claims were previously allowed but this allowance was withdrawn on discovery of the Relyea reference. This reference was listed by number in the specification, but was not cited or applied to the rejection of any of the claims by the Examiner until the allowance was withdrawn in order to apply this reference in rejecting the claims. In view of these facts, no basis is found for the contention that the present rejection represents merely a difference of opinion between two Examiners having the same art before them, the application having continuously been before the Examiner of Division 43, the Relyea patent having not previously been brought to his attention.

It is contended here by appellant that his invention lies in the combination of two deodorants—sodium bicarbonate and sodium perborate—in the proportions as stated in the appealed claims; that those proportions are critical, producing a result differing in kind, not merely in degree, from the prior art disclosures; and that none of the references teach that appellant's composition would be suitable as a body deodorant.

Relative to the question of criticalness of the proportions of the sodium bicarbonate and the sodium perborate as set forth in the appealed claims, it may be said that appellant's application contains the statements, as hereinbefore noted, that a—

"rather wide ratio between the various components of my dusting powder is permissible. Even as small a proportion as 2 to 3 per cent of sodium perborate produces an appreciable improvement in the deodorizing action of sodium bicarbonate";

that when the—

"proportion of sodium perborate *reaches about 50 per cent the preparation becomes somewhat irritating to persons with tender skins and when used under certain circumstances*" [italics ours];

and that a composition containing from about 5 to 25 per centum of sodium perborate is considered preferable, although various changes might be made in the specific proportions of the ingredients without departing from the spirit of his invention. Certainly there is no teaching in appellant's application that the combination of sodium bicarbonate and varying proportions (from 2 to 25 per centum) of sodium perborate produces results differing in kind from those which might be produced if the composition contained 30, 35, or even 40 per centum of sodium perborate. See *In re Ayres*, 23 C. C. P. A. (Patents) 1118, 83 F.(2d) 297, 471 O. G. 247; *In re Swingle et al.*, 25 C. C. P. A. (Patents) 706, 92 F.(2d) 709, 488 O. G. 440; *In re Ellis et al.*, 25 C. C. P. A. (Patents) 800, 805, 93 F.(2d) 212, 490 O. G. 731.

Considerable emphasis is placed by appellant on the argument that the reference patent to Relyea does not suggest the use of a composition composed of sodium bicarbonate and sodium perborate as a body deodorant.

The mere fact that appellant has discovered that a composition composed of sodium bicarbonate and from 2 to 25 per centum or more of sodium perborate possesses deodorizing properties, and that such a composition may, therefore, be used as a body deodorant, does not, in view of the fact that the composition is old, entitle him to the allowance of the appealed claims. *In re Heap*, 22 C. C. P. A. (Patents) 950, 953, 74 F.(2d) 948, 456 O. G. 265; *In re James*, 23 C. C. P. A. (Patents) 1124, 83 F.(2d) 313, 471 O. G. 251; *In re Newton et al.*, 25 C. C. P. A. (Patents) 1106, 96 F.(2d) 291, 496 O. G. 14.

We are in agreement with the conclusion reached by the Patent Office tribunals that the appealed claims are not patentable over the prior art of record. Accordingly, we deem it unnecessary to extend this opinion by a discussion of other matters presented by appellant.

The decision of the Board of Appeals is affirmed.
Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MINK

No. 4,155. Decided December 4, 1939

[— F.(2d) —]

PATENTABILITY—FOOD PRODUCT AND METHOD OF TREATING SAME.

A certain claim for a food product *Held* unpatentable over the prior art, and claims for a method of treating same *Held* unpatentable as reciting only obvious procedure.

APPEAL from Patent Office. Affirmed.

Mr. Roy W. Johns (*Mr. Norbert E. Birch* of counsel) for Mink.

Mr. Howard S. Miller for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting claims 5, 6, and 12 of appellant's application for a patent. Four claims were allowed.

Claims 5 and 12 illustrate the nature of the subject matter involved and read as follows:

5. The method of treating powdered dried egg whites which comprises simultaneously reconstituting and foaming powdered dried egg whites by whipping in the presence of a liquid.

12. A new food product comprising quick, low temperature, dried powdered egg foam capable of reconstitution by whipping in the presence of a liquid.

The references cited are: La Mont, 51,263, November 28, 1865; Hatmaker (British), 28, November 16, 1905; Hara, 1,100,973, June 23, 1914; Primavese, 1,226,999, May 22, 1917; Bellamy (British), 314,887, July 2, 1929; Clickner, 1,891,887, December 20, 1932.

The application, as indicated by the quoted claims, relates to a food product in the form of dried powdered egg foam and a method of reconstituting powdered dried egg white.

Claims 5 and 6 were rejected upon the ground that the steps enumerated therein involve merely an obvious procedure of simultaneously reconstituting and whipping egg whites. Claim 12 was rejected upon the cited references, particularly the patent to Bellamy.

This patent is the only cited reference which we deem it necessary to discuss. The other references relate generally to the drying of eggs which have been beaten to a batter, then dried and thereafter ground into a powder.

The Bellamy patent discloses several ways of making dried egg white. The patent states:

This invention relates to the preservation of albumin (of the kind that is derived from the white of eggs) by desiccation and has for its object improvements whereby the losses incurred by methods heretofore employed are reduced or avoided, the egg white is satisfactorily preserved and *can be readily reconstituted by the addition of water and retains the viscosity and beating properties of fresh egg white.* [Italics ours.]

After describing one method of carrying out the invention the patent states:

Alternatively, the mixture may be frothed, for which purpose it may be delivered into a beating machine or other vessel situated in a drying chamber into which vessel air is introduced beneath the surface of the said mixture so as to blow bubbles which are dried in the form of thin films.

* * * * * *

According to one mode of carrying out the improved process, the albumin after it has been neutralised in the manner hereinbefore described, is led by the pipe *a* into a beater *b* of known kind in which it is beaten into a froth. This froth soon fills the space above the albumin and passes out of the spout *c* by which it is delivered on to an endless gauze, reticulated or otherwise perforated belt *d* mounted on pulleys *e, f* situated in a drying chamber *g* heated by steam pipes *h* or other suitable known means. * * *

Appellant's specification states:

The present invention permits the production of dry egg whites which can be reconstituted to equal the original undried egg whites by the expedient of quick drying. In accordance with the present invention, the original egg whites are whipped to a foam which is then dried in an ordinary drying tunnel.

After drying the foam dried eggs are ground to a powder which may be reconstituted instantaneously during the whipping operations incident to cake making, rendering any small amount of insoluble material unnoticeable. I have found that egg whites so dried and so reconstituted produce angel food cake of superior volume and excellent texture.

With the exception of a prior acid treatment disclosed by Bellamy, it will be observed that the process disclosed in his patent and that disclosed by appellant are very similar, and we are not convinced that the product produced by one of the processes disclosed by Bellamy will not fully respond to the terms of claim 12. Bellamy states that his product can be readily reconstituted by the addition of water, and that it retains the beating properties of fresh egg white, and it seems to us that his product is in fact a dried egg foam. Appellant's argument that Bellamy's product is not a dried egg foam does not impress us. Bellamy clearly states that the froth resulting from beating the egg whites passes out of a spout on to an endless gauze or perforated belt situated in a drying chamber. We see no difference between the "froth" resulting from beating egg whites disclosed by Bellamy and the "foam" resulting from whipping egg whites disclosed by appellant.

It is true that in appellant's process, for which he has been allowed claims, the foam is formed into ribbons or strands which are then dried and ground, but it does not appear to us that this element produces an essentially different product from that disclosed by Bellamy. The Examiner held that if there be any difference it is one of degree and not in kind. We are in agreement with this view.

It follows from the foregoing that the decision of the Board as to claim 12 should be affirmed.

With respect to process claims 5 and 6 the Examiner held that the steps enumerated in the claims are but obvious steps in the use of appellant's product, and hence devoid of patentable significance. Upon this point the Board of Appeals in its decision stated:

Claims 5 and 6 have been rejected by the Examiner on the ground that they involve merely an obvious procedure, namely, of simultaneously reconstituting and whipping the egg white. He states that, given an immediately soluble dried egg white, no invention would reside in immediately whipping it when water is added. Here, of course, the Examiner is assuming that an immediately soluble dried egg white is available. In the prior art it was the practice and thought to be the necessary practice to soak dried egg white before whipping it. Applicant urges that he is the first one to produce a dried egg white which is immediately soluble so that it can be reconstituted and whipped simultaneously. Even if it should be admitted, which it is not, that applicant is the first to produce an immediately soluble egg white, there is still no invention involved in simultaneously whipping and reconstituting the egg white. That is merely an obvious procedure as the Examiner points out. Any one having such a product would, in order to save time, reconstitute and whip the egg white simultaneously. We think claims 5 and 6 are not patentable.

We are in agreement with the foregoing. The purchaser of the product disclosed by Bellamy or that disclosed by appellant, knowing that such products did not require soaking before whipping, would as a matter of course follow the process set forth in claims 5 and 6.

For the reasons hereinbefore stated the decision appealed from is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,340,889, T. T. Gray, Process for treating petroleum hydrocarbons; 1,759,812; 1,952,855, same, Method of purifying hydrocarbon compounds; 1,759,813, same, Process and apparatus for treating hydrocarbons; 1,862,507, 1,908,599, 1,759,814, same, Refining of hydrocarbons; 1,624,692, H. Thomas, Process of manufacturing gasoline; 1,930,453, J. W. Brown, same; 2,017,860, G. N. Harcourt, Process and apparatus for producing light hydrocarbons, D. C., E. D. Tex. (Tyler), Doc. E 978, *The Gray Processes Corp.* v. *East Texas Refining Co.* Claims 9, 11, 12, 13, 15, and 17 of 1,759,812, claims 4, 8, 12, 14, 15, 17, 18, 19, and 20 of 1,759,813, claims 1, 3, 7, 8, 9, 12, 13, and 14 of 1,759,814, claims 2, 4, 6, 7, and 8 of 1,908,599, and claims 5, 8, and 11 of 2,017,860 held valid and infringed; bill dismissed without prejudice as to 1,340,889, 1,624,692, 1,862,507, 1,930,453, and 1,952,855 (notice Oct. 20, 1939).

1,365,523. (See 1,904,912.)

1,607,047, L. W. Bertelsen, Jr., Method of making artificial cork, C. C. A., 3d Cir., Doc. 7016, *Armstrong Cork Co.* v. *United Cork Co.* Decree of lower court dismissing bill is affirmed Sept. 27, 1939.

1,609,273, E. Davis, Pneumatic control and safety device for pressing machines, filed Oct. 2, 1939, D. C. Del., Doc. 83, *The Prosperity Co., Inc.*, v. *American Machine & Metals, Inc.*

1,624,692. (See 1,340,889.) 1,660,516. (See 1,904,912.)

1,707,617, E. W. Kellogg, Sound reproducing apparatus; 1,740,331, W. L. Carlson, Tuning of high frequency cir-

cults; 1,728,879, Rice & Kellogg, Amplifying system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; Re. 20,307, A. Mavrogenis, Wireless receiving apparatus, filed Oct. 20, 1939, D. C., S. D. N. Y., Doc. 6/108, *R. C. A. et al.* v. *Gonzola O'Neill et al.*

1,717,204. (See Re. 18,080.)

1,721,391, W. H. Heise, Hearse, D. C., N. D. Ill., W. Div., Doc. 624, *Henney Motor Co.* v. *The Eureka Co.* Dismissed by stipulation Oct. 16, 1939.

1,728,879. (See 1,707,617.) 1,740,331. (See 1,707,617.)

1,749,656, D. H. Zell, Vanity case; 2,010,909, same, Vanity case and analogous article, suit for declaratory judgment filed Oct. 23, 1939, D. C., S. D. N. Y., Doc. 6/124, *Rex Products Corp. et al.* v. *Zell Products Corp. et al.*

1,759,812. (See 1,340,889.) 1,759,813. (See 1,340,889.)

1,759,814. (See 1,340,889.)

1,784,519, L. J. Grubman, Eye mounting for dolls; 1,807,091, L. W. Pollack, Doll eyes and monnting therefor, D. C., S. D. N. Y., Doc. E 85/209 *Margon Corp.* v. *De Luxe Doll Eye Corp.* Consent order of discontinuance without prejudice (notice Oct. 20, 1939).

1,807,091. (See 1,784,519.)

1,845,570, F. Thomas, Side loading hearse, D. C., N. D. Ill., W. Div., Doc. 625, *Henney Motor Co.* v. *The Eureka Co.* Dismissed by stipulation Oct. 16, 1939.

1,862,507. (See 1,340,889.)

1,863,809, Hopkins & Palm, Bearing, D. C., E. D. Mich. (Detroit), Doc. 6022, *Cleveland Graphite Bronze Co.* v. *Federal-Mogul Corp.* Doc. 6023, *Cleveland Graphite Bronze Co.* v. *Bohn Aluminum & Brass Corp.* Doc. 6024, *Cleveland Graphite Bronze Co.* v. *Detroit Aluminum & Brass Corp.* Dismissed Oct. 23, 1939, in each of above cases.

1,904,912, C. F. Wolters, Monolithic filing cabinet and attachment therefor, filed Oct. 2, 1939, D. C., N. D. Ohio, W. Div., Doc. 4406, 1,365,523, C. F. Meilink, Filing cabinet; 1,660,516, same, Bolt mechanism, filed by counterclaim Oct. 21, 1939, *Remington Rand, Inc.*, v. *Meilink Steel Safe Co.*

1,908,599. (See 1,340,889.) 1,930,453. (See 1,340,889.)

1,942,685, A. Christensen, Sulphite pulp digester system, D. C. Oreg (Portland), Doc. 127, *Fibre Making Processes, Inc.*, v. *Electric Steel Foundry.* Dismissed Oct. 18, 1939.

1,952,855. (See 1,340,889.)

1,968,409, 1,968,410, B. Liebowitz, Apparel, D. C., W. D. S. C. (Greenville), Doc. E 550, *Trubenizing Process Corp.* v. *Piedmont Shirt Co.* Dismissed Oct. 21, 1939.

1,968,410. (See 1,968,409.) 2,010,909. (See 1,749,656.)

2,017,860. (See 1,340,889.)

2,031,642, 2,097,061, E. J. Graf, Illuminated decorative device; Des. 94,889, Des. 101,217, same, Light emitting decorative device; Des. 94,890, same, Decorative holder for light emitting members, D. C., S. D. N. Y., Doc. 3/291, *G. B. G. Corp.* v. *N. Y. Merchandise Co., Inc.* Consent order of discontinuance (notice Oct. 11, 1939).

2,033,681, R. C. Campbell, Rolled front fused collar, filed Oct. 23, 1939, D. C. Conn. (New Haven), Doc. 180, *Campbell Co.* v. *Commercial Shirt Corp.*

2,089,720, R. A. Ferguson, Extension couch, filed Oct. 19, 1939, D. C., N. D. Ga. (Atlanta), Doc. 2201, *Simmons Co.* v. *Fulton Metal Bed Mfg. Co.*

2,095,618, H. Schwartzman, Garment hanger guard, filed Oct. 16, 1939, D. C., W. D. Wash. (Seattle), Doc. 115, *E. Kleist et al.* (*Kleist & Co.*) v. *C. L. Bullard* (*Advertisers Printing & Dist. Co.*).

2,097,061. (See 2,031,642.)

2,154,581, R. H. Pershall, Closure attachment for containers, D. C. Minn. (Minneapolis), Doc. 193, *Na-Mac Products Corp.* v. *Belmont Corp.* Consent decree for injunction (notice Oct. 18, 1939).

Re. 18,080 (of 1,717,204), R. Gotz, Needle bearing, C. C. A., 3d Cir., Doc. 6818, *L. Gotz et al.* v. *Universal Products Co., Inc* Decree affirmed Oct. 4, 1939.

Re. 18,237, M. C. Messler, Cushioning insole for boots and shoes, filed Oct. 19, 1939, D. C. Conn. (New Haven), Doc. 179, *M. Messler* v. *U. S. Rubber Co.*

Re. 18,579. (See 1,707,617.)

Re. 19,921, G. W. Poppe, Paper bag and process and machine for making same, C. C. A., 3d Cir., Doc. 7013, *John Waldron Corp.* v. *Equitable Paper Bag Co., Inc.* Decree reversed and case remanded with directions to dismiss bill Oct. 3, 1939.

Re. 20,307. (See 1,707,617.)

Des. 94,889. (See 2,031,642.)

Des. 94,890. (See 2,031,642.)

Des. 95,917, Des. 95,918, C. D. McCann, Lighting fixture; Des. 95,973, Des. 95,974, same, Surface supported lighting fixture, D. C., S. D. Iowa (Creston), Doc. 4, *Modern Lighting & Mfg. Co.* v. *A. D. Hahn.* Dismissed without prejudice Oct. 19, 1939.

Des. 95,918. (See Des. 95,917.)

Des. 95,973. (See Des. 95,917.)

Des. 95,974. (See Des. 95,917.)

Des. 101,217. (See 2,031,642.)

Des. 108,270, P. Schlessel, Dress, D. C., S. D. N. Y., Doc. E 86/298, *New York Dress & Costume Co., Inc.*, v. *F. Love et al.* (*Love Maid Dress Co.*). Consent order of discontinuance (notice Oct. 23, 1939).

Des. 116,125, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 5/271, *Apex Dress Co., Inc.*, v. *Miller & Tepper, Inc.* Consent order of discontinuance (notice Oct. 18, 1939).

Des. 116,640, M. Solash, Hat, filed Oct. 19, 1939, D. C., S. D. N. Y., Doc. 6/104, *M. Solash* v. *United Headwear Corp.*

Des. 116,666, D. W. Price, Dress, filed Oct. 21, 1939, D. C., S. D. N. Y., Doc. 6/122, *Price-Schlesinger, Inc.*, v. *A. Druckman et al.* (*Well Made Dress Co.*).

Des. 116,980, C. Mascitelli, Dress ensemble, filed Oct. 20, 1939, D. C., S. D. N. Y., Doc. 6/110, *New Deb Dance Frocks, Inc.*, v. *J. Spiegel* (*Sorority Formals*).

T. M. 168,573, A. Winarick, Face powders, face creams, perfumes, rouges, etc., filed Oct. 13, 1939, D. C., S. D. Tex. (Houston), Doc. 193, *A. Winarick, Inc.*, v. *G. W. Bailes.* Injunction Oct. 18, 1939.

Disclaimer

1,875,260.—*George D. Parker*, Riverside, Calif. BUNDLE BINDING AND TYING MACHINE. Patent dated August 30, 1932. Disclaimer filed December 18, 1939, by the assignee of one-half interest, *Wire Tie Machinery Company.*

Hereby enters this disclaimer to claims 38, 40, 52, 53, 55, 67, 72, 80, 81, 94, 95, 96, 97, 98, and 99 of said Letters Patent.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 16, 1940

[VOL. 510. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 424,331. AMERICAN COLLOID CO., Chicago, Ill. Filed Oct. 9, 1939.

Clari Clay

The word "Clay" is disclaimed apart from the mark.
For Clays, Particularly Bentonite.
Claims use since Aug. 24, 1939.

Ser. No. 425,142. ELK RIVER COAL AND LUMBER COMPANY, Dundon, W. Va., and Columbus, Ohio. Filed Nov. 2, 1939.

ZEPHYR
BANKING FUEL

The words "Banking Fuel" are disclaimed apart from the mark.
For Coal.
Claims use since Dec. 20, 1938.

CLASS 2

Receptacles

Ser. No. 425,556. CALIFORNIA CONTAINER CORPORATION, Emeryville, Calif. Filed Nov. 13, 1939.



For Boxes, Cases, Shipping Containers, and Cartons Made Principally of Fibre Board, Corrugated Board, or Other Like Material.
Claims use since Sept. 15, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 413,920. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Dec. 16, 1938.

CAR SHAMPOO

For Synthetic Cleaning Agent Used in the Cleaning of Automobiles and Other Vehicle Bodies, Machinery and the Like.
Claims use since Aug. 1, 1938.

Ser. No. 419,648. THE ANDERSON COMPANY, Gary, Ind. Filed May 22, 1939.

ANCO

For Hand Glass Cleaner Comprising a Squeegee and an Abrasive Member for Cleaning Flat Glass and Tiling, Cleaner Pad Having a Metallic Abrasive Surface for Cleaning Flat Glass and Tiling, and Cleaner Compound Comprising Abrasive Powder, Detergent and Polishing Materials for Cleaning Glass and Metal.
Claims use since Nov. 27, 1934, on said hand glass cleaner; and since May 1, 1939, on said cleaner pad and said cleaner compound.

Ser. No. 420,871. GEORGE D. PICKRELL, doing business as Geo. Pickrell Lab., Chicago, Ill. Filed June 23, 1939.

WHISK
OFF

For Pre-Shaving Powder for Conditioning the Beard for Shaving with Electrical Razors.
Claims use since Apr. 15, 1939.

Ser. No. 424,727. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Oct. 20, 1939.

REV

For Mixtures of Detergent Materials for Cleaning Surfaces Such as Floors of Wood (Waxed, Painted, Varnished, or Otherwise Treated), Cork, Linoleum, Rubber, Tile, and Terrazzo, Concrete, Molding Compounds and Ceramics.
Claims use since Dec. 9, 1926.

Ser. No. 425,739. HERCULES POWDER COMPANY, Wilmington, Del. Filed Nov. 17, 1939.

DISH-INE

For Cleaning Compound for Dishes, Crockery, Glassware, Cooking Utensils, Silverware, and the Like.
Claims use since Oct. 3, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 412,331. THE DERMYL-THETICS COMPANY, Cleveland, Ohio. Filed Nov. 3, 1938.

Dermyl-Thetics

For Cosmetic Preparations, Including Cold Cream, Night Cream, Face and Hand Lotions, Mouth Wash, After-Shaving Lotion, Massage Cream, Lipstick, Rouge, Powder Base, and Face Powder.
Claims use since Sept. 20, 1938.

Ser. No. 424,108. TARR PHARMACAL CO., Cleveland, Ohio, assignor to Tarr Drug, Inc., Cleveland, Ohio. Filed Sept. 30, 1939.

BOROPTIC

For Healing Antiseptic Lotion for Tired, Weak, or Inflamed Eyes Particularly for Relieving Irritation After the Removal of Foreign Bodies from the Eye.
Claims use since Feb. 1, 1924.

Ser. No. 424,110. TARR PHARMACAL CO., Cleveland, Ohio, assignor to Tarr Drug, Inc., Cleveland, Ohio. Filed Sept. 30, 1939.

Pyrogesic

For Antiseptic Ointment and Analgesic Dressing Used in the Treatment of Burns.
Claims use since Feb. 1, 1924.

Ser. No. 424,112. TARR PHARMACAL CO., Cleveland, Ohio, assignor to Tarr Drug, Inc., Cleveland, Ohio. Filed Sept. 30, 1939.

EPHEDRILINE

TARR'S

Applicant disclaims the word "Tarr's" apart from the mark.
For Nose Drops or Liquid Spray Used in the Treatment of Colds, Inflamed Sinuses and for Relieving Discomforts Caused by Hay Fever, Catarrh, Sinusitis, and Similar Ailments.
Claims use since Feb. 1, 1924.

Ser. No. 424,113. TARR PHARMACAL CO., Cleveland, Ohio, assignor to Tarr Drug, Inc., Cleveland, Ohio. Filed Sept. 30, 1939.

HYPERSED

TARR'S

Applicant disclaims the word "Tarr's" apart from the mark.
For Medical Preparation Used in the Treatment of Hypertension.
Claims use since Feb. 1, 1924.

Ser. No. 425,478. EVA MICHAEL, doing business as Gem Products, New York, N. Y. Filed Nov. 9, 1939.

Mi-Gold
GEM PRODUCTS • NEW YORK CITY

Applicant disclaims the words "New York City" apart from the association shown.
For Rectal Ointment (Salve).
Claims use since July 15, 1939.

Ser. No. 425,550. ELIZABETH ARDEN, INC., New York, N. Y. Filed Nov. 13, 1939.

IT'S YOU

For Perfume.
Claims use since May 25, 1938.

Ser. No. 426,187. COTY, INC., New York, N. Y. Filed Dec. 4, 1939.

DEB-TONE

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Nov. 30, 1939.

Ser. No. 426,189. COTY, INC., New York, N. Y. Filed Dec. 4, 1939.

SUB-TONE

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Nov. 30, 1939.

Ser. No. 426,346. SCHERING CORPORATION, Bloomfield, N. J. Filed Dec. 7, 1939.

PROGYNON-DP

For Medicinal Estrogenic Hormone Preparation for Use in the Treatment of Conditions Relating to the Menopause, Infantile Gonorrheal Vaginitis, Amenorrheas, and All Other Conditions Due to a Deficiency of Estrogenic Hormone.
Claims use since Nov. 16, 1939.

CLASS 7

Cordage

Ser. No. 424,482. LEE EDWARDS CORPORATION, New York, N. Y. Filed Oct. 12, 1939.

LECOR LINE
SUPERFINE

No claim is made to the words "Line", "Superfine" and "Sash Cord" and to the representation of the goods apart from the mark.
For Twine and Cordage—Namely, Manila, Cotton, and Sisal Ropes, and Sash Cords.
Claims use since 1933.

CLASS 11

Inks and Inking Materials

Ser. No. 417,942. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Apr. 6, 1939.

EFCo

For Manifolding packs or Rolls of Carbon Paper for Use in Business Machines.
Claims use since Jan. 1, 1923.

Ser. No. 417,944. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Apr. 6, 1939.

UNDERWOOD ELLIOTT FISHER CO.

The words "Speeds The World's Business" are disclaimed apart from the mark.
For Typewriter Ribbon and Carbon Paper.
Claims use since June 1, 1936.

CLASS 12

Construction Materials

Ser. No. 419,227. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed May 9, 1939.

SUPER FELT

Applicant disclaims the word "Felt" apart from the mark.
For Mineral Wool Insulation.
Claims use since Apr. 21, 1939.

Ser. No. 419,928. THE MOSAIC TILE COMPANY, Zanesville, Ohio. Filed May 27, 1939.

SWAN WHITE



The word "White" is disclaimed apart from the mark.
For Tile.
Claims use since Jan. 1, 1936.

Ser. No. 421,807. ESTATE OF H. B. FRED. KUHLS, New York, N. Y. Filed July 21, 1939.

BRUSHLAST

For Preparation in the Nature of a Caulking Compound Used for Waterproofing, Filling, Surfacing, Furring up of Dents, Cracks, Seams, Pits, Rivet Heads, Etc. on Steel, Iron, Aluminum, Wood, Canvas, Concrete, Etc.
Claims use since Jan. 1, 1939.

Ser. No. 425,390. THE CELOTEX CORPORATION, Chicago, Ill. Filed Nov. 8, 1939.



The words "Safety Sealed Construction" are disclaimed apart from the mark.
For Fiber Products—Namely, Vapor-seal Lath and Vapor-seal Sheathing; Roll Roofing; Asphalt Shingles; Asbestos Roof Coating; and Plastic Cement.
Claims use since June 17, 1939, to fiber products; and since June 10, 1939, to roll roofing, asphalt shingles, asbestos roof coating, and plastic cement.

Ser. No. 425,543. ALLIED MATERIALS CORPORATION, Oklahoma City, Okla. Filed Nov. 13, 1939.

PLAMOR

For Emulsified Asphalt To Be Applied to Courts Such as Tennis Courts.
Claims use since Jan. 15, 1939.

Ser. No. 425,544. ALLIED MATERIALS CORPORATION, Oklahoma City, Okla. Filed Nov. 13, 1939.

WEARTREAD

For Asphalt and Asphalt Composition for Surfacing Courts Such as Handball, Tennis, and Badminton Courts and Covering Asphalt Sidewalks.
Claims use since Jan. 15, 1939.

Ser. No. 425,545. ALLIED MATERIALS CORPORATION, Oklahoma, City, Okla.. Filed Nov. 13, 1939.

LAWNTEX

For Asphalt Surface Dressing To Be Used on Courts Such as Tennis Courts.
Claims use since Jan. 15, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 424,742. ST. PIERRE CHAIN CORPORATION, Worcester, Mass. Filed Oct. 20, 1939.

SUPER GRIP

The word "Grip" is disclaimed apart from the mark.
For Tire Chains.
Claims use since September, 1922.

Ser. No. 424,959. A. L. HANSEN MFG. CO., Chicago, Ill. Filed Oct. 27, 1939.

VEST-KIT

The word "Kit" is disclaimed apart from the mark.
For Machine Staples.
Claims use since Sept. 15, 1939.

Ser. No. 425,395. THE EVEREDY COMPANY, Frederick, Md. Filed Nov. 8, 1939.

SKIDDLE

For Base Metal Cooking Hollowware.
Claims use since Oct. 30, 1939.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 425,034. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Nov. 1, 1939.

Tantung

For Metals and Alloys Thereof Adapted to Make Metal Working and Cutting Tools, and to Make Wear-Resisting Surfaces, Having Particular Reference to Refractory Metals Such as Tantalum, Columbium, Molybdenum, or Tungsten and Alloys Thereof.
Claims use since Oct. 17, 1939.

CLASS 15

Oils and Greases

Ser. No. 417,041. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 13, 1939.

ALKYMER

For Gasoline and Similar Internal Combustion Engine Fuels—Namely, Synthetic Hydrocarbon Fuels for Internal Combustion Engines and the Like.
Claims use since Feb. 16, 1939.

Ser. No. 425,324. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Nov. 7, 1939.

EVREE GEAR

Applicant disclaims the word "Gear" except as the same is used in the specimens submitted.
For Gear Lubricant.
Claims use since Feb. 1, 1939.

Ser. No. 425,783. GULF OIL CORPORATION, Pittsburgh, Pa. Filed Nov. 18, 1939.

REGENT

For Lubricating Oils, Particularly Motor Oils, Lubricating Oils for Industrial Use and Electric Motor Oil.
Claims use since Mar. 28, 1931.

CLASS 16

Paints and Painters' Materials

Ser. No. 424,179. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Oct. 3, 1939.

STAIN-HIDE

The word "Stain" is disclaimed apart from the mark.
For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Sept. 1, 1939.

Ser. No. 424,437. NEW WRINKLE, INC., Dayton, Ohio. Filed Oct. 11, 1939.

"SAG"

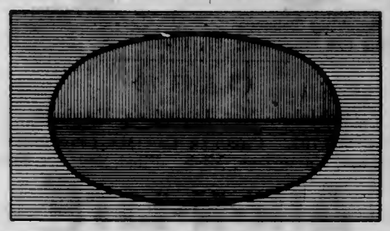
For Paints, Paint Enamels, and Varnishes in Liquid Ready-Mixed Form Both Ready-to-Use and as a Concentrate.
Claims use since Jan. 12, 1929.

Ser. No. 425,132. ARMOR PAINT CO., INC., New York, N. Y. Filed Nov. 2, 1939.

ARMOTTE

For Dry, Paste, and Ready-Mixed Paints, and Varnishes.
Claims use since Apr. 21, 1939.

Ser. No. 425,299. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Nov. 6, 1939.



The rectangle in the accompanying drawing is lined to represent the color blue, the border of the ellipse the color yellow, the upper half of the ellipse the color red, and the lower half of the ellipse a darker color of blue, the colors being an essential feature of the mark.
For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Aug. 12, 1933.

Ser. No. 425,358. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., doing business as Port City Paint Works, Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939.

MORELITE

For Ready Mixed Paint, Paint Enamels, and Varnishes.
Claims use since Mar. 14, 1939.

Ser. No. 425,433. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

ESSO

For Liquid Gloss, Floor Dressings, Polish for Furniture, Automobiles, and Other Painted, Varnished, Lacquered, or Enameled Surfaces.
Claims use since June 29, 1937, on liquid gloss and floor dressings; and since Oct. 4, 1939, on the other goods.

CLASS 17

Tobacco Products

Ser. No. 424,246. STEPHANO BROTHERS, Philadelphia, Pa. Filed Oct. 5, 1939.



For Smoking Tobacco.
Claims use since Aug. 21, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 399,701. CHECKER CAB MANUFACTURING CORPORATION, Kalamazoo, Mich. Filed Nov. 13, 1937.

AIR-N-LITE

For Motor Vehicle Bodies.
Claims use since Oct. 20, 1937.

Ser. No. 422,536. BOEING AIRCRAFT COMPANY, Seattle, Wash. Filed Aug. 12, 1939.



For Airplanes and Structural Parts Thereof.
Claims use since Mar. 16, 1939.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 425,814. STITT & HOWELL, INC., New York, N. Y. Filed Nov. 18, 1939.

TAYSIDE

For Linoleum and Oiled Cloth.
Claims use since Sept. 18, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,360. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J. Filed Feb. 24, 1938.

BEAVER

For Electrolytic Condensers.
Claims use since Jan. 17, 1938.

Ser. No. 405,783. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 27, 1938.

Crystaltone

For Radio Receivers.
Claims use since Jan. 10, 1938.

Ser. No. 425,781. GENERAL MOTORS CORPORATION, Detroit, Mich., doing business as Delco-Remy Division of General Motors Corporation, Anderson, Ind. Filed Nov. 18, 1939.

Road Commander

For Electrically Operated Sounding Horns, Signals, and Alarms, and Parts Thereof for Use With Motor-Driven Vehicles and for General Use.
Claims use since Sept. 17, 1934.

Ser. No. 425,904. TRIPLE-A-SPECIALTY COMPANY, Chicago, Ill. Filed Nov. 22, 1939.

FLOWELD

For Electric Battery Cables.
Claims use since Sept. 1, 1939.

Ser. No. 425,905. TRIPLE-A-SPECIALTY COMPANY, Chicago, Ill. Filed Nov. 22, 1939.

TRIMETALUM

For Electric Battery Terminals.
Claims use since Oct. 3, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 424,951. BRISTOL & MARTIN INC., New York, N. Y. Filed Oct. 27, 1939.

Streamlined CHECKERS

The word "Checkers" is disclaimed apart from the mark.
For Games and Toys—Namely, Checkerboard Games for Play With Marbles.
Claims use since Jan. 3, 1939.

Ser. No. 425,138. BUFFALO RUBBER & SUPPLY, INC., Buffalo, N. Y. Filed Nov. 2. 1939.

PEP-PINS

No claim is made to the word "Pins" apart from the mark.
For Bowling Pins.
Claims use since Oct. 13, 1939.

Ser. No. 425,265. AMERICAN SUPERCRAFT CORPORATION, Chicago, Ill. Filed Nov. 6, 1939.

SEA CHIEF

For Self Propelled Toy Miniature Motor Boats.
Claims use since July 12, 1938.

Ser. No. 425,266. AMERICAN SUPERCRAFT CORPORATION, Chicago, Ill. Filed Nov. 6, 1939.

SPEED CHIEF

For Self Propelled Toy Miniature Automobile Racers.
Claims use since July 12, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 422,298. THE SHARPLES CORPORATION, Philadelphia, Pa. Filed Aug. 4, 1939.

Autojector

For Centrifugal Separators Designed to Separate a Solid Constituent from One or More Liquid Constituents of a Mixture, or to Separate One or More Liquid Constituents from Another Liquid Constituent or Other Liquid Constituents of a Mixture, or to Separate One or More Solid Constituents and One or More Liquid Constituents Simultaneously and Separately from a Mixture Thereof With Further Liquid and/or Solid Constituents.
Claims use since July 21, 1939.

Ser. No. 423,638. SCREW CONVEYOR CORPORATION, Hammond, Ind. Filed Sept. 15, 1939.

CALUMET

For Elevating and Conveying Apparatus Comprising Spiral and Screw Conveyors and Endless Belt and Carrier Elevating and Conveying Systems and Parts Thereof Including Elevator Buckets.
Claims use since June 17, 1933.

Ser. No. 424,417. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Oct. 10, 1939.

WHALEBONE

For Wooden Handles for Axes, Hatchets, and Similar Implements.
Claims use since Feb. 17, 1934.

Ser. No. 424,454. IGNATIUS I. MULLER, New York, N. Y. Filed Oct. 12, 1939.

ABSOLUTE

For Oil and Gasoline Separators.
Claims use since Mar. 20, 1939.

Ser. No. 424,906. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y. Filed Oct. 26, 1939.

REXALLOY

For Metal Working Bits for Use With Machine Tools.
Claims use since July 27, 1938.

Ser. No. 424,519. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Oct. 13, 1939.

GREE-NEDGE

For Leather Check Straps and Leather Bumper Straps for Use on Textile Machinery.
Claims use since July 17, 1939.

Ser. No. 425,780. THE FOOTE COMPANY, INC., Nunda, N. Y. Filed Nov. 18, 1939.

ADNUN BLACK TOP

For Pavers.
Claims use since Feb. 1, 1935.

Ser. No. 425,838. R. G. LETOURNEAU, INC., Peoria, Ill. Filed Nov. 20, 1939.

TOURNAPULL

For Earth-Working Implements, and Particularly Self-Powered Carrying Scrapers.
Claims use since Oct. 24, 1938.

Ser. No. 425,851. CONSOLIDATED RAZOR BLADE CO., INC., Jersey City, N. J. Filed Nov. 21, 1939.



For Razor Blades.
Claims use since Oct. 1, 1939.

Ser. No. 425,892. IDEAL ROLLER AND MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 22, 1939.

Lithocraft

For Resilient Rollers, and More Particularly Such Rollers Adapted for Use in Lithographing Presses.
Claims use since Aug 15, 1939.

CLASS 24

Laundry Appliances and Machines

Ser. No. 426,057. HORTON MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Nov. 29, 1939.

MODERN HOME

For Ironing Machines.
Claims use since Oct. 17, 1939.

CLASS 25

Locks and Safes

Ser. No. 424,917. KASON HARDWARE CORPORATION, New York, N. Y. Filed Oct. 26, 1939.

KASON

For Latches and Locks for Refrigerators, Refrigerated Truck Bodies, Ordinary Truck Bodies, Beer Bars, Back Bars, Household Refrigerators, and Ice Boxes.
Claims use since 1928.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 425,250. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H. Filed Nov. 4, 1939.

SURE-TEMP

For Heat Responsive Test Paper.
Claims use since Oct. 17, 1939.

Ser. No. 425,680. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Nov. 16, 1939.

FLUORAPID

For Photographic Film, Particularly X-Ray Film.
Claims use since Oct. 20, 1939.

Ser. No. 425,743. MARINE OPTICAL MFG. CO., Boston, Mass. Filed Nov. 17, 1939.

FENWAY

For Spectacle Frames, Eye Glasses, Goggles, and Sun Glasses.
Claims use since Oct. 23, 1939.

CLASS 27

Horological Instruments

Ser. No. 425,797. LONGINES-WITTNAUER WATCH CO. INC., New York, N. Y. Filed Nov. 18, 1939.

MAINLINER

For Watches and Clocks.
Claims use since March, 1938.

Ser. No. 425,848. BULOVA WATCH COMPANY INC., New York, N. Y. Filed Nov. 21, 1939.

THIN MAN

For Watches—Namely, Wrist or Strap Watches.
Claims use since Sept. 16, 1938.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 425,238. THE GOLDMAN-KOLBER CO., INC., New York, N. Y. Filed Nov. 4, 1939.

"Billet-Doux" (LOVE LETTER)

For Finger Rings, Bracelets, Ear Rings, Watch Chains, Charms, Brooches, Fobs, Hair Ornaments, Anklets, Necklaces, With and Without Precious Stones, All Made of Gold, Silver, Platinum, and Other Precious Metals, or Plated Therewith, Not Including Watches.
Claims use since Apr. 15, 1939.

Ser. No. 425,595. VERDURA, INC., New York, N. Y. Filed Nov. 13, 1939.

"RICHMAN POORMAN"

For Bracelets.
Claims use since Nov. 6, 1939.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 424,521. GEORGE KOCH SONS, INC., Evansville, Ind. Filed Oct. 13, 1939.

"EASY-GRO"

For Flower Pots Made of Ceramics.
Claims use since September, 1938.

CLASS 31

Filters and Refrigerators

Ser. No. 421,258. THE C. SCHMIDT CO., Cincinnati, Ohio. Filed July 3, 1939.

VEG-E-FRESH

For Refrigerators and Refrigerated Display Cases.
Claims use since May 1, 1939.

Ser. No. 421,829. OTTO J. VINCENT, doing business as Bemco Mfg. Co., Seattle, Wash. Filed July 21, 1939.

Frost-Kist

For Refrigerating Cabinets.
Claims use since May 25, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 425,074. E. B. & A. C. WHITING COMPANY, Burlington, Vt. Filed Oct. 30, 1939.

TULATEX

For Rubberized Fibrous Masses for Use in Pads, Cushions, and Mattresses.
Claims use since Oct. 19, 1939.

Ser. No. 425,413. BRUCE JOHNSON, doing business as Bruce-Bennett Co., Providence, R. I. Filed Nov. 8, 1939.

BRUCE AIDERS

The drawing is lined for red.
For Display Cabinets.
Claims use since Oct. 12, 1939.

CLASS 33

Glassware

Ser. No. 425,414. KIMBLE GLASS COMPANY, Vineland, N. J. Filed Nov. 8, 1939.



The mark is affixed to the goods by fusing or otherwise applying thereto two longitudinal spaced parallel stripes, the color of which is green. The heavy lines represent the color green. The representation of the goods is disclaimed.
For Glass Rods and Tubing.
Claims use since Oct. 17, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 413,545. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich. Filed Dec. 7, 1938.

DIAMOND

For Boiler Flue Gas Dedusting Units, Gas Washing Units, and Parts Thereof.
Claims use since Dec. 14, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 415,114. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 23, 1939.

Firestone IMPERIAL

For Resilient Vehicle Tires and Tubes of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Oct. 31, 1938.

Ser. No. 423,462. THE GATES RUBBER COMPANY, Denver, Colo. Filed Sept. 9, 1939.

CODE 352

For Camel Back, Tread Rubber, Recap Rubber, and Tire and Tube Repair Materials.
Claims use since February, 1937.

Ser. No. 423,712. BARNEY RUBENS, doing business as Powertown Tire and Rubber Co., Rochester, N. Y. Filed Sept. 18, 1939.

SAFETYTOWN

For Automobile Tires.
Claims use since Aug. 9, 1939.

Ser. No. 425,469. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Nov. 9, 1939.

KOGENE

For Hose for Conveying Corrosive Fluids, Such as Gasoline, Oils, Greases, Other Petroleum Products and Acids, Conveyor and Power Transmission, Belting, Sheet and Molded Packing Washers and Diaphragms, and Tubing Made from Synthetic Plastics Having Rubber-Like Characteristics.
Claims use since Aug. 16, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 421,680. UNIVERSAL MICROPHONE CO., LTD., Inglewood, Calif. Filed July 17, 1939.

"UNI-CORD"

The word "Cord" is disclaimed apart from the mark.
For Electrical Phonograph Recording Machines, and Phonograph Playback Equipment, and Parts Thereof.
Claims use since June 9, 1939.

CLASS 37

Paper and Stationery

Ser. No. 419,679. MILLER BROS. WALL PAPER CO., doing business as Rainbo Wall Paper Co., Cincinnati, Ohio. Filed May 22, 1939.

RAINBO

For Wall Paper.
Claims use since Jan. 1, 1933.

Ser. No. 425,045. BERNHARD K. DOBKOWITZ, San Francisco, Calif. Filed Oct. 30, 1939.

PRO-POINTER

Applicant disclaims the word "Pointer" apart from the mark.
For Pencil Pointer.
Claims use since Oct. 9, 1939.

Ser. No. 425,666. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Nov. 13, 1939.

LINSPUN

For Toilet Tissue Paper.
Claims use since Sept. 11, 1939.

Ser. No. 426,075. UCO FOOD CORPORATION, Newark, N. J. Filed Nov. 29, 1939.

UCO

For Toilet Tissue, Paper Napkins, Paper Towels, Facial Tissues, Wrapping Paper, Waxed Paper, and Coated Paper.
Claims use since May 5, 1927.

CLASS 38

Prints and Publications

Ser. No. 424,493. POCKET BOOKS, INC., New York, N. Y. Filed Oct. 12, 1939.



Pocket BOOKS

Applicant disclaims the words "Pocket Books" apart from the mark.
For Books.
Claims use since June 19, 1939.

Ser. No. 424,719. FIGHT STORIES, INC., New York, N. Y. Filed Oct. 20, 1939.

FIGHT COMICS

For Periodical.
Claims use since Sept. 20, 1939.

Ser. No. 425,025. CANNAY PUBLISHING COMPANY, Boston, Mass. Filed Oct. 30, 1939.

Escort



For Magazine.
Claims use since Sept. 29, 1939.

Ser. No. 425,163. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Nov. 2, 1939.

RECIPE DIGEST

For Column or Section in a Monthly Magazine.
Claims use since Nov. 1, 1939.

Ser. No. 425,164. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Nov. 2, 1939.

Double-Duty Menus

For Column or Section in a Monthly Magazine.
Claims use since Nov. 1, 1939.

Ser. No. 425,549. AMERICAN TAILOR AND CUTTER, INC., New York, N. Y. Filed Nov. 13, 1939.

American Tailor and Cutter

AND

FASHION GUIDE

The word "American" is disclaimed apart from the mark.
For Monthly Publication.
Claims use since Nov. 1, 1939.

Ser. No. 425,573. BERTHA KOVZ, Newark, N. J. Filed Nov. 13, 1939.



For Designs for Textiles, Wallpaper, Linoleum, Illustrations, Book Marks, Books, Decalcomanias, Ornaments, and Cutout Designs.
Claims use since Oct. 2, 1939.

Ser. No. 425,619. NEA SERVICE, INC., Cleveland, Ohio. Filed Nov. 14, 1939.

Brenda Breeze

Brenda Breeze is the name of a fictitious character appearing from day to day in applicant's comic strip.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Oct. 22, 1939.

CLASS 39

Clothing

Ser. No. 423,157. BLUE BELLE FROCKS, INCORPORATED, New York, N. Y. Filed Aug. 31, 1939.

Jewel Lane

For Misses' Dresses.
Claims use since Feb. 15, 1939.

Ser. No. 423,213. HUISKAMP BROTHERS CO., Keokuk, Iowa. Filed Sept. 1, 1939.

Classic Moderns

No claim is made to the term "Moderns" apart from the mark.
For Women's Shoes Made of Leather, Rubber, Fabric, and/or Combinations of Such Materials.
Claims use since May 1, 1939.

Ser. No. 424,076. ROOME VAN BUREN BALL, Pompton Plains, N. J. Filed Sept. 30, 1939.

TICKLE SPOT

For Children's Dresses, Suits, Sweaters, Stockings, and Underclothing.
Claims use since Sept. 12, 1939.

Ser. No. 424,294. CROCETTA BROS. & CO., INC., Gloversville, N. Y. Filed Oct. 7, 1939.

FITE-RITE
FASHIONED BY CROCETTA

No claim is made to the words "Fashioned by Crocetta" apart from the mark.
For Ladies', Men's, and Children's Dress Gloves of Leather, Fabric, and Combinations Thereof.
Claims use since Nov. 1, 1937.

Ser. No. 424,857. I. & R. MORLEY LIMITED, London, England. Filed Oct. 24, 1939.



For Hosiery; Men's, Women's, and Children's Underwear; Leather Gloves; Men's and Boys' Outer-Shirts and Under-shirts; Pyjamas; Bed-Jackets; Bath Robes; Swimming and Bathing Apparel—Namely, Suits and Trunks for Men, and Suits, Trunks, Brassières, and Halters for Women and Children.

Claims use since 1933, on beach trunks; and since April, 1931, on remaining goods.

Ser. No. 424,867. PIERRE CAMPBELL, Yonkers, N. Y. Filed Oct. 25, 1939.



No claim is made to the phrase "Aqua-Pruf" apart from the mark. The drawing is lined for blue and green.

For Ladies' and Men's Hats.

Claims use since Oct. 6, 1939.

Ser. No. 425,114. IRWILL KNITWEAR CORP., New York, N. Y. Filed Nov. 1, 1939.

the Week-Ender by SUN MODE

No claim is made to the word "Mode" apart from the mark.

For Ladies' and Misses' Sweaters and Play Suits.

Claims use since Aug. 1, 1939.

Ser. No. 425,126. S. WIEDER CO., INC., New York, N. Y. Filed Nov. 1, 1939.

GRAB BAG FROCKS

The word "Frocks" is disclaimed apart from the mark.

For Girls' and Misses' Dresses.

Claims use since Nov. 14, 1938.

Ser. No. 425,332. H. GLASER & SON, INC., Boston, Mass. Filed Nov. 7, 1939.

Multi-Wear

No claim is made to the word "Wear" apart from the mark.

For Ladies' Hosiery.

Claims use since Aug. 1, 1939.

Ser. No. 425,463. EAGLE CLOTHES, New York, N. Y. Filed Nov. 9, 1939.

VENTI-LITE

The word "Lite" is disclaimed apart from the mark.

For Men's and Boys' Overcoats, Topcoats, Suits, Trousers, Slacks, Sport Jackets, Vests, and Mackinaws.

Claims use since Nov. 14, 1938.

Ser. No. 425,486. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Nov. 9, 1939.

RHYTHM SWINGAWAY

For Ladies' and Misses' Slips, Petticoats, Nightgowns, and Pajamas.

Claims use since June 19, 1938.

Ser. No. 425,511. CHIPMAN KNITTING MILLS, Easton, Pa., and New York, N. Y. Filed Nov. 10, 1939.

TURN-TEX

For Hosiery.

Claims use since Oct. 26, 1939.

Ser. No. 425,613. HARRY FISCHER & COMPANY, Philadelphia, Pa. Filed Nov. 14, 1939.

KASHARAY

For Men's Topcoats and Overcoats.

Claims use since Aug. 1, 1939.

Ser. No. 425,628. SALTA KNITTING MILLS, INC., New York, N. Y. Filed Nov. 14, 1939.

SELTINGHAM

For Women's Dresses, Suits, and Sweaters.

Claims use since Nov. 3, 1939.

Ser. No. 425,646. ROGER KENT, INC., New York, N. Y. Filed Nov. 15, 1939.

"KENTROPIC"

For Men's Clothing—Namely, Two and Three Piece Suits, Coats, Vests, Trousers, and Overcoats.

Claims use since Nov. 2, 1939.

Ser. No. 425,751. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Filed Nov. 17, 1939.

BREEZER TOP

For Ladies' Blouses and Shirts.

Claims use since May 2, 1939.

Ser. No. 425,790. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Nov. 18, 1939.

BELLE OF THE NINETIES

For Brassières, Girdles, Corsets, and Foundation Garments.

Claims use since Oct. 13, 1939.

Ser. No. 425,800. MARLBORO SHIRT CO., INC., Baltimore, Md. Filed Nov. 18, 1939.

THE TORRENTOR

For Men's Sport Coats and Outer Wear—Namely, Water Repellent Jackets, Waterproofed Shirts, Outer Jackets, and Coats.

Claims use since Aug. 22, 1939.

Ser. No. 425,818. TAILORBROOKE CLOTHES, INC., New York, N. Y. Filed Nov. 18, 1939.

POROPACA

For Women's Suits and Coats and Men's Suits and Coats.

Claims use since Feb. 15, 1938.

Ser. No. 425,819. TAILORBROOKE CLOTHES, INC., New York, N. Y. Filed Nov. 18, 1939.

POROTEX

For Women's Suits and Coats and Men's Suits and Coats.

Claims use since Feb. 15, 1938.

Ser. No. 425,865. KENNETH TISCHLER, New York, N. Y. Filed Nov. 21, 1939.

hep-tee

For Misses' and Women's Dresses.

Claims use since Nov. 1, 1939.

Ser. No. 425,878. CHARLOTTE MERCANTILE COMPANY, Charlotte, N. C. Filed Nov. 22, 1939.

Gracious Lady

For Ladies' Hosiery.

Claims use since July 1, 1939.

Ser. No. 425,963. WM. KNOWLTON & SONS COMPANY, INC., West Upton, Mass. Filed Nov. 25, 1939.

Hatless HATS

The word "Hats" is disclaimed apart from its association with the word "Hatless".

For Women's Hats.

Claims use since Oct. 23, 1939.

Ser. No. 426,001. KLEINMANN CORPORATION, New York, N. Y. Filed Nov. 27, 1939.

DRAPESET

For Men's, Women's, and Boys' Neckties and Cut-Out Linings.

Claims use since Nov. 3, 1939.

Ser. No. 426,038. SUSSBERG & FEINBERG, INC., New York, N. Y. Filed Nov. 28, 1939.

SIR-PLUS

For Women's and Misses' Lingerie—Namely, Slips and Nightgowns.

Claims use since Nov. 15, 1939.

Ser. No. 426,062. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Nov. 29, 1939.

Gabalora

Trade-mark consists of the word "Gabalora".

For Women's and Misses' Dresses.

Claims use since May 25, 1939.

Ser. No. 426,096. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed Nov. 30, 1939.

"JUST BETWEEN YOU AND YOUR DRESS—"

For Ladies' Foundation Slips, Corsets, Corselets, Girdles, and Combination Foundation Undergarments Comprising Combinations of Two or More of the Following: Brassière or Bandeau, Girdle, Corset, or Corselet and Skirt, Underdrawers or Bloomers.

Claims use since Nov. 20, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 423,545. HAMILTON C. BATES, Chester, Conn. Filed Sept. 13, 1939.

EYE-EZY

For Sewing Kits and Sewing Sets Comprising Measuring Tapes and Rules, Scissors, Needles, Thread, Thimbles and the Like, and Knitting Kits and Knitting Sets and Embroidery Kits and Embroidery Sets Comprising Bodkins, Stilettos, Crochet Hooks, Knitting Needles, Stitch Holders, Tatting Shuttles and the Like.
Claims use since Mar. 1, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 420,295. STRAUS, ROYER & STRASS, Baltimore, Md. Filed June 8, 1939.

5-point

For Chambray, Poplin, Wool Jersey, Seersucker, and Broadcloth.
Claims use since May 31, 1939.

Ser. No. 420,395. MAX H. WEINSTEIN, doing business as Concord Textile Co., New York, N. Y. Filed June 10, 1939.

CONTECO fabrics

Applicant disclaims the word "fabrics" except as shown.
For Textile Fabrics in the Piece, Such Fabrics Being Made from Silk, Cotton, Wool, Rayon, and Artificial Silk and Combinations of the Foregoing Materials, and for Corduroy, Velveteen, Duvetyn, Such Fabrics Being Made from Silk, Cotton, Wool, Rayon, Artificial Silk and from Combinations of Such Materials.
Claims use since May 24, 1939.

Ser. No. 424,679. BARTMANN & BIXER INC., New York, N. Y. Filed Oct. 19, 1939.

Kenwash

For Window Curtains.
Claims use since Sept. 23, 1939.

Ser. No. 425,368. SAWYER, REGAN COMPANY, Dalton, Mass. Filed Nov. 7, 1939.

YANKEE LOOMS

The word "Looms" is disclaimed apart from the mark.
For Cloth in the Piece Made Principally of Wool or Other Animal Fiber.
Claims use since Oct. 18, 1939.

Ser. No. 425,393. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Nov. 8, 1939.

TWIL-GLO

The word "Twil" is disclaimed apart from the mark.
For Knitted and Woven Woolen and Worsted Cloths, Jersey Cloths, Elderdowns, Chinchillas, and Special Knitted Fabrics Having a Fleecy Pile or Surface, in the Piece.
Claims use since Aug. 22, 1939.

Ser. No. 425,777. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 18, 1939.

MORECHARM

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Aug. 10, 1939.

Ser. No. 426,050. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 29, 1939.

FORTECEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Nov. 27, 1939.

Ser. No. 426,051. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 29, 1939.

FORTENESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Nov. 27, 1939.

Ser. No. 426,239. ART HAND MADE CARRIAGE COVER CO., New York, N. Y. Filed Dec. 5, 1939.

ARTMC PRODUCTS

No claim is made to the word "Products" apart from the mark.
For Infants' and Children's Blankets, Buntings, and Carriage Covers.
Claims use since July, 1935.

Ser. No. 426,253. G. SIDNEY GRANOFF, doing business as Ajax Manufacturing Company, Providence, R. I. Filed Dec. 5, 1939.

AJAX

For Wool and Mohair Laundry Press Cloth Sold in the Piece.
Claims use since Dec. 31, 1938.

CLASS 43

Thread and Yarn

Ser. No. 424,731. LEE EDWARDS CORPORATION, New York, N. Y. Filed Oct. 20, 1939.

LECOR LINE SUPERFINE

No claim is made to the words "Line" and "Superfine" or to the representation of the goods apart from the mark.
For Cotton Yarns.
Claims use since 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 412,543. BURTON R. CHARLES, Arcadia, Calif. Filed Nov. 9, 1938.

SUNALL

For Electrical Heating Pads, Electrical Heating Blankets, and Electrical Heating Coils for Therapeutic Purposes.
Claims use since 1928.

Ser. No. 419,493. BISHINGER-NATURELLE CORPORATION, Pittsburgh, Pa. Filed May 16, 1939.

NATURELLE

The representation of the name plate is disclaimed per se.
For Permanent Hair Waving Machines.
Claims use since 1927.

Ser. No. 424,326. CARL WOODALL, Los Angeles, Calif. Filed Oct. 7, 1939.

FLOATING KNEE

The word "Knee" is disclaimed apart from the mark.
For Artificial Limbs.
Claims use since October, 1937.

Ser. No. 424,980. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Oct. 27, 1939.

United Cross

For Syringes, Combination Syringes, Douche Vaginals, Hot Water Bottles, and Attachment Combinations for Said Articles.
Claims use since Oct. 13, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 423,617. THE ORANGE SMILE SIRUP COMPANY, doing business as The Smile Sirup Company, St. Louis, Mo. Filed Sept. 14, 1939.

SMILING WATER

For Non-Alcoholic, Maltless Syrup Concentrate for Making Soft Drinks.
Claims use since 1928.

Ser. No. 425,843. LEROY O. SCHNEEBERGER, doing business as Bubble Up Company, St. Louis, Mo. Filed Nov. 20, 1939.

TACOLA

For Nonalcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since Nov. 1, 1939.

Ser. No. 426,342. PHILLIPS BROTHERS CORPORATION, Baltimore, Md. Filed Dec. 7, 1939.



The drawing is lined for blue and red.
For Non-Alcoholic, Maltless Beverages Sold as Soft Drinks and Syrups for Making Same.
Claims use since June 30, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 396,940. VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif. Filed Aug. 30, 1937.

SEA-PEP



For Refined Fish Oil Used as an Ingredient in Salad Dressings and as an Ingredient in Other Manufactured Foods; Fish Oil and Fish Meal Used as a Health Ration for Poultry, Live Stock, and Dogs or Other Carnivorous Animals.
Claims use since Aug. 14, 1937.

Ser. No. 412,653. FRED MEYER, INC., Portland, Oreg. Filed Nov. 12, 1938.

FIFTH AVENUE

For Ice Cream.
Claims use since July 1, 1934.

Ser. No. 416,383. ORBIS PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 24, 1939.

PRIVATE ESTATES

For Olive Oil and Oil of Peppermint for Foods and Ingredients of Foods.
Claims use since Apr. 13, 1936.

Ser. No. 417,713. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 31, 1939.

CHOWMIX

Applicant is the owner of the trade-mark set forth in Certificate No. 102,843 issued Feb. 23, 1915, and is also the owner of the trade-mark set forth in Certificate No. 111,105 issued June 27, 1916.
For Poultry and Stock Feed, Including Dairy Feed.
Claims use since Mar. 2, 1939.

Ser. No. 420,947. T. FUKUHARA, Arroyo Grande, Calif. Filed June 26, 1939.



No claim is made to the word "Vegetable", the representation of the vegetables, or the outline of a label apart from the mark.
For Fresh Vegetables.
Claims use since June 8, 1939.

Ser. No. 421,191. MARKET WHOLESALE GROCERY CO., doing business as Mascot Products, Chicago, Ill. Filed July 1, 1939.

Dinner Delight

For Concentrated Soup.
Claims use since May 22, 1939.

Ser. No. 421,886. LOMA LINDA FOOD COMPANY, Arlington, Calif. Filed July 24, 1939.

KRIS-BITS

Applicant disclaims the word "Bits" apart from the mark.
For Breakfast Food Containing Wheat, Oats, Figs, Honey, Corn, Malt, and Salt.
Claims use since June 24, 1939.

Ser. No. 422,387. TRI-STATE PRODUCE CO., INC., Anthony, N. Mex. Filed Aug. 7, 1939.

SUNSMACKED

For Fresh Fruits—Namely, Fresh Cantaloupes.
Claims use since June 12, 1939.

Ser. No. 423,160. COPPER, MCDOUGALL & ROBERTSON LIMITED, Berkhamsted, England. Filed Aug. 31, 1939.

ADMIN

For Supplementary Food for Dogs Containing Essential Vitamins and Minerals.
Claims use since February, 1939.

Ser. No. 423,676. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Filed Sept. 16, 1939.



For Canned Fruits.
Claims use since Feb. 2, 1938.

Ser. No. 423,943. J. H. ELLER & Co., doing business as Savoree Foods, Clay Center, Nebr. Filed Sept. 26, 1939.



The words "Best O'Wheat" are disclaimed apart from the mark.
For Wheat Cereal Food.
Claims use since Sept. 1, 1938.

Ser. No. 424,283. V. E. WIKSTRAND, doing business as Golden West Milling Company, Longmont, Colo. Filed Oct. 6, 1939.

HIKES

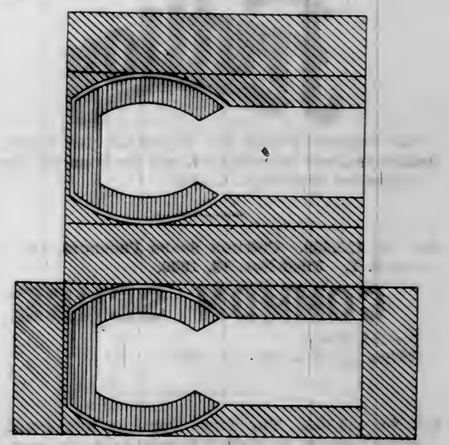
For Chocolate Coated Wheat Cereal and Malted Milk Coated Wheat Cereal.
Claims use since Mar. 23, 1939.

Ser. No. 424,328. MARTIN W. FRENCH, Los Angeles, Calif. Filed Oct. 7, 1939.



For Ground Rabbit Meat.
Claims use since Sept. 15, 1939.

Ser. No. 424,419. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Oct. 11, 1939.



The trade-mark consists of a C shaped figure colored red superimposed upon a parallelogram of light shade, usually white, together with parallel bands, over and under such parallelogram, of a dark color contrasting with that of the parallelogram, as shown in the drawing. The lining on the C shaped figure denotes the red color, and the lining on the bands indicates shading only. No claim is made to the representation of a carton apart from the other features of the mark shown in the drawing.
For Chewing Gum.
Claims use since Dec. 16, 1938.

Ser. No. 425,002. GEO. KORN & SONS, Brooklyn, N. Y. Filed Oct. 28, 1939.

SUNSHINE TURKEYS

The word "Turkeys" is disclaimed apart from the mark.
For Dressed Turkeys.
Claims use since Oct. 6, 1939.

Ser. No. 425,124. HARRY SIMBERG, Mattapan, Mass. Filed Nov. 1, 1939.

SIMCO'S

For Ice Cream and Frozen Desserts.
Claims use since Mar. 13, 1930.

Ser. No. 425,460. THE L. DEMARTINI COMPANY, San Francisco, Calif. Filed Nov. 9, 1939.

Fruitjoy

For Prepared Fruits for Confection, Ice Cream, and Bakery Products Manufacture, and for Fountain Use.
Claims use since Sept. 1, 1939.

Ser. No. 425,559. COMMON SENSE PRODUCTS, INC., Clinton, N. Y. Filed Nov. 13, 1939.

COMMON SENSE

For Dog Food.
Claims use since Oct. 18, 1939.

Ser. No. 425,753. THE THEO. POEHLER MERCANTILE CO., doing business as McCord-Kistler Merc. Co., and V. B. Kistler Merc. Co., Lawrence, Kans. Filed Nov. 17, 1939.

JAY-HAWK

For Canned Fruits, Vegetables, and Berries, Canned Sauer Kraut, Canned Pumpkin, Canned Sweet Potatoes, Canned Pork and Beans, Canned Oysters, Canned Fish, Table Syrup, Sorghum, Rice, Apple Butter, Fruit Preserves, and Jams.
Claims use since Oct. 1, 1911.

Ser. No. 425,983. ROBT. T. COCHRAN CO., INCORPORATED, New York, N. Y., and Tracy, Calif. Filed Nov. 27, 1939.



OLD TIMER

For Fresh Deciduous Fruits, Fresh Vegetables.
Claims use since June, 1939.

Ser. No. 426,107. RED STAR YEAST AND PRODUCTS CO., Milwaukee, Wis. Filed Nov. 30, 1939.

Kitchen Pak

For Compressed Yeast.
Claims use since Nov. 9, 1939.

Ser. No. 426,137. LOOKOUT OIL & REFINING COMPANY, doing business as Domino Shortening Co., Chattanooga, Tenn., and Chicago, Ill. Filed Dec. 1, 1939.

GILDA

For Refined Cotton Seed Oil.
Claims use since Oct. 15, 1937.

CLASS 47

Wines

Ser. No. 425,283. HENRY KELLY & SONS, INC., New York, N. Y. Filed Nov. 6, 1939.

EPINARD

For Wines.
Claims use since May, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 416,324. CHARLES GOLDFUS, doing business as Charles Wine & Import Company, Minneapolis, Minn. Filed Feb. 28, 1939.

Charles I

For Bourbon Whiskey.
Claims use since Nov. 25, 1936.

Ser. No. 425,168. B. M. & J. STRAUSS LTD., London, England. Filed Nov. 2, 1939.



No claim is made to the words "Fine Pale Cognac Brandy", "Produce of France", "Shipped & Bottled By", and "Cognac" apart from the mark.
For Cognac Brandy.
Claims use since May 1, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 425,813. STITT & HOWELL, INC., New York, N. Y. Filed Nov. 18, 1939.

"MONARCH"

For All Paddings for Floor Coverings and Rug Cushions.
Claims use since Sept. 18, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 16, 1940

374,545. BICYCLES. ARNOLD, SCHWINN & COMPANY, Chicago, Ill.
Filed August 6, 1937. Serial No. 396,064. PUBLISHED NOVEMBER 7, 1939. Class 19.

374,546. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. THE UNION TRADING CO., LTD., Hongkong, China.
Filed June 15, 1938. Serial No. 407,511. PUBLISHED NOVEMBER 7, 1939. Class 44.

374,547. BUBBLE BLOWER TOY. ALBUSON COMPANY, Akron, Ohio.
Filed August 17, 1938. Serial No. 409,668. PUBLISHED NOVEMBER 7, 1939. Class 22.

374,548. RUBBER TIRES FOR VEHICLES. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey.
Filed October 21, 1938. Serial No. 411,916. PUBLISHED OCTOBER 31, 1939. Class 35.

374,549. GRIPS FOR ELECTRIC CABLE. JAMES R. KEARNEY CORPORATION, St. Louis, Mo.
Filed October 26, 1938. Serial No. 412,068. PUBLISHED NOVEMBER 7, 1939. Class 23.

374,550. RICE. GROWERS RICE MILLING CO., San Francisco, Calif.
Filed January 14, 1939. Serial No. 414,825. PUBLISHED MARCH 14, 1939. Class 46.

374,551. BREAD, AND PASTRY PRODUCTS, PARTICULARLY PIES, BUNS, FRIED CAKES, DOUGHNUTS, CAKES, COOKIES, AND CUP-CAKES. THE BARNARD BAKESHOPS INC., Binghamton, N. Y.
Filed April 8, 1939. Serial No. 417,995. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,552. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. SHULTON, INC., New York, N. Y.
Filed April 21, 1939. Serial No. 418,543. PUBLISHED NOVEMBER 7, 1939. Class 4.

374,553. CULINARY PREPARATIONS — NAMELY, CHOW MEIN. CHIN & LEE CO., INC., New York, N. Y.
Filed April 28, 1939. Serial No. 418,819. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,554. CORNED BEEF HASH. WESTERN PACKING CORPORATION, New York, N. Y.
Filed May 9, 1939. Serial No. 419,241. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,555. CANNED VEGETABLES, CANNED FISH, CANNED PUMPKIN, CANNED SUCCOTASH, CANNED SAUERKRAUT, MOLASSES, AND TOMATO CATSUP. C. G. MEAKER CO. INC., Auburn, N. Y.
Filed May 15, 1939. Serial No. 419,430. PUBLISHED OCTOBER 31, 1939. Class 46.

374,556. POTATO CHIPS. RED DOT FOODS, INC., Madison, Wis.
Filed May 15, 1939. Serial No. 419,445. PUBLISHED AUGUST 15, 1939. Class 46.

374,557. WATCHES, WATCH CASES, WATCH MOVEMENTS AND PARTS THEREOF. ADELSON & SEGALL, New York, N. Y.
Filed May 18, 1939. Serial No. 419,539. PUBLISHED NOVEMBER 7, 1939. Class 27.

374,558. BRITTLE VARNISH USED IN DETECTING FLAWS IN METALLIC ARTICLES. MAGNAFLUX CORPORATION, Chicago, Ill.
Filed May 19, 1939. Serial No. 419,586. PUBLISHED NOVEMBER 7, 1939. Class 16.

374,559. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. SHULTON, INC., New York, N. Y.
Filed June 6, 1939. Serial No. 420,200. PUBLISHED NOVEMBER 7, 1939. Class 4.

374,560. OVENS. UNION STEEL PRODUCTS COMPANY, Albion, Mich.
Filed June 8, 1939. Serial No. 420,297. PUBLISHED NOVEMBER 7, 1939. Class 34.

374,561. FABRICATED PLASTIC ARTICLES—NAMELY, INDICIA SIGNS AND HOUSE NUMBERS. THE SILLCOCKS-MILLER COMPANY, South Orange, N. J.
Filed July 1, 1939. Serial No. 421,206. PUBLISHED NOVEMBER 7, 1939. Class 50.

374,562. CANDY. MAURICE WILLENS, Chicago, Ill.
Filed July 3, 1939. Serial No. 421,272. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,563. WARM AIR HEATING AND AIR CONDITIONING UNITS. CALESCO CORPORATION, Lynn, Mass.
Filed July 12, 1939. Serial No. 421,473. PUBLISHED NOVEMBER 7, 1939. Class 34.

374,564. GOLF CLUBS AND PARTS THEREOF, GOLF BALLS, GOLF BAGS, GOLF MARKERS, GOLF TEES, AND GOLF PRACTICE DEVICES. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed July 17, 1939. Serial No. 421,675. PUBLISHED NOVEMBER 7, 1939. Class 22.

374,565. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed July 21, 1939. Serial No. 421,821. PUBLISHED OCTOBER 17, 1939. Class 47.

374,566. READY-MIXED PAINTS AND PAINT ENAMELS, PAINT COLORS, VARNISHES, LACQUERS, THINNERS FOR PAINTS AND PAINT ENAMELS, PAINT-LIKE COMPOSITIONS FOR LACQUERING AND ENAMELING AND THINNERS THEREFOR. ATLAS POWDER COMPANY, Wilmington, Del.
Filed July 25, 1939. Serial No. 421,921. PUBLISHED NOVEMBER 7, 1939. Class 16.

374,567. BALLS—BASEBALLS, INDOOR, PLAYGROUND, TENNIS, FIELD, MEDICINE, PLAY, HOCKEY, WATER POLO, HAND, SPEED, GOLF, BASKET, VOLLEY, SOCCER, FOOTBALL, AND CAGE, ETC. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed July 25, 1939. Serial No. 421,952. PUBLISHED NOVEMBER 7, 1939. Class 22.

374,568. ELECTRICAL JOINT INSULATING COMPOUND. ANACONDA WIRE & CABLE CO., New York, N. Y.
Filed July 28, 1939. Serial No. 422,035. PUBLISHED NOVEMBER 7, 1939. Class 21.

374,569. CANNED PEELED TOMATOES, CANNED TOMATO PASTE, AND OLIVE OIL. ROMUALDO E. DI MARCO, New York, N. Y.
Filed July 25, 1939. Serial No. 422,085. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,570. JUTE RUG PADS. THE CAROLINA BAGGING COMPANY, Henderson, N. C.
Filed August 1, 1939. Serial No. 422,169. PUBLISHED NOVEMBER 7, 1939. Class 50.

374,571. TIRE VALVES. THE OHIO INJECTOR COMPANY, Wadsworth, Ohio.
Filed August 2, 1939. Serial No. 422,217. PUBLISHED NOVEMBER 7, 1939. Class 13.

374,572. RAW POTATOES IN SACKS OR BAGS. EAST NEW YORK PRODUCE CO., Brooklyn, N. Y.
Filed August 3, 1939. Serial No. 422,238. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,573. WOMEN'S AND GIRLS' DRESSES, JACKETS, AND COATS MADE OF SILK, COTTON, WOOL, LINEN, WORSTED, RAYON, "CELANESE", AND ACETATE CLOTHS. HORWITZ & DUBERMAN, New York, N. Y.
Filed August 3, 1939. Serial No. 422,248. PUBLISHED OCTOBER 31, 1939. Class 39.

374,574. ELECTRIC STORAGE BATTERIES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed August 5, 1939. Serial No. 422,324. PUBLISHED NOVEMBER 7, 1939. Class 21.

374,575. SOCKET WRENCHES ESPECIALLY ADAPTED FOR USE IN MOUNTING AND DEMOUNTING DUAL WHEELS ON VEHICLES. CHARLES H. BARRETT, doing business as Dool Tool Co., Portland, Oreg.
Filed August 7, 1939. Serial No. 422,352. PUBLISHED NOVEMBER 7, 1939. Class 23.

374,576. FLUID-COOLING APPARATUS. MID-WEST COOLERS, INC., St. Louis, Mo.
Filed August 7, 1939. Serial No. 422,368. PUBLISHED OCTOBER 31, 1939. Class 31.

374,577. COAL. APEX COAL COMPANY, Kansas City, Mo.
Filed August 9, 1939. Serial No. 422,435. PUBLISHED NOVEMBER 7, 1939. Class 1.

374,578. PYROXYLIN COATED FABRICS. WADSWORTH & WOODMAN COMPANY, Winthrop, Maine, and New York, N. Y.
Filed August 9, 1939. Serial No. 422,456. PUBLISHED NOVEMBER 7, 1939. Class 50.

374,579. SINGLE AND MULTIPLE SPINDLE AUTOMATIC SCREW MACHINES, WIRE FORMING MACHINES, AND SINGLE AND MULTIPLE SPINDLE AUTOMATIC CHUCKING MACHINES. ANDREW SLOVAK, doing business as Unit Machinery Company, Rockford, Ill.
Filed August 10, 1939. Serial No. 422,489. PUBLISHED NOVEMBER 7, 1939. Class 23.

374,580. BOTTLED SAKE. FUJI SAKE BREWING COMPANY, LIMITED, Honolulu, Territory of Hawaii.
Filed August 11, 1939. Serial No. 422,508. PUBLISHED NOVEMBER 7, 1939. Class 47.

374,581. COPY HOLDERS. COPYMASTER CO., Miami, Okla.
Filed August 15, 1939. Serial No. 422,617. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,582. MUFFLERS FOR INTERNAL COMBUSTION ENGINES. TEMME SPRING CORPORATION, Chicago, Ill.
Filed August 16, 1939. Serial No. 422,680. PUBLISHED NOVEMBER 7, 1939. Class 23.

374,583. POLISHES AND COMPOUNDS FOR TREATING SHOES AND OTHER LEATHER GOODS. CARDINAL LABORATORIES, INC., Chicago, Ill.
Filed August 18, 1939. Serial No. 422,735. PUBLISHED NOVEMBER 7, 1939. Class 4.

374,584. LIQUID DRY CLEANER. THE DAVIES-YOUNG SOAP CO., Dayton, Ohio.
Filed August 19, 1939. Serial No. 422,773. PUBLISHED NOVEMBER 7, 1939. Class 4.

374,585. VENTILATOR FANS. MCLAUGHLIN VENTILATOR COMPANY, Detroit and Ferndale, Mich.
Filed August 21, 1939. Serial No. 422,823. PUBLISHED NOVEMBER 7, 1939. Class 34.

374,586. WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, AND WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH. INVICTA-SEELAND, INC., New York, N. Y.
Filed August 21, 1939. Serial No. 422,820. PUBLISHED NOVEMBER 7, 1939. Class 27.

374,587. ENVELOPES. THE STANDARD ENVELOPE MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 21, 1939. Serial No. 422,833. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,588. ENVELOPES. THE STANDARD ENVELOPE MANUFACTURING COMPANY, Cleveland, Ohio.
Filed August 21, 1939. Serial No. 422,834. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,589. B-PUBLICATION PAPER. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn.
Filed August 23, 1939. Serial No. 422,845. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,590. ROTOGRAVURE HALFTONE PAPER AND B-PUBLICATION PAPER. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn.
Filed August 23, 1939. Serial No. 422,846. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,591. LECITHINATED SUGAR. THE W. J. FITZPATRICK COMPANY, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,848. PUBLISHED OCTOBER 31, 1939. Class 46.

374,592. GAMES PLAYED BY CARDS. ALFRED R. ROSE, St. Albans, N. Y.
Filed August 22, 1939. Serial No. 422,866. PUBLISHED OCTOBER 31, 1939. Class 22.

374,593. ANIMAL TRAPS. CHAS. D. BRIDDELL, INC., Crisfield, Md., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania.
Filed August 24, 1939. Serial No. 422,922. PUBLISHED NOVEMBER 7, 1939. Class 50.

374,594. WHISKEY. THE FRANK L. WIGHT DISTILLING COMPANY, Loreley, Md.
Filed August 24, 1939. Serial No. 422,968. PUBLISHED OCTOBER 31, 1939. Class 49.

374,595. METAL AND COMPOSITION TABLE MATS, PLATE HOLDERS, AND FLOWER HOLDERS IN THE FORM OF WALL BRACKETS, ALL BEING FORMED IN THE SHAPE OF A LEAF OR LEAVES. LOSANACRAFT, Los Angeles, Calif.
Filed August 25, 1939. Serial No. 423,001. PUBLISHED NOVEMBER 7, 1939. Class 50.

374,596. WHEAT FLOUR. TOPEKA FLOUR MILLS CORPORATION, Salina, Kans.
Filed August 25, 1939. Serial No. 423,013. PUBLISHED OCTOBER 31, 1939. Class 46.

374,597. LEATHER. TRANSYLVANIA TANNING COMPANY, New York, N. Y.
Filed August 25, 1939. Serial No. 423,014. PUBLISHED NOVEMBER 7, 1939. Class 1.

374,598. CHOP SUEY SAUCE, CANNED BEAN SPROUTS, CANNED CHOW MEIN NOODLES, CANNED CHOP SUEY, CANNED CHOP SUEY VEGETABLES, AND BEAD MOLASSES. THE FUJI TRADING COMPANY, Chicago, Ill.
Filed August 28, 1939. Serial No. 423,055. PUBLISHED OCTOBER 31, 1939. Class 46.

374,599. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH GRAPES, AND FRESH VEGETABLES. GROWERS SERVICE CO., Fresno, Calif.
Filed August 29, 1939. Serial No. 423,094. PUBLISHED OCTOBER 31, 1939. Class 46.

374,600. DOG FOOD. VIMPEP FOODS, INC., Cambridge, Md.
Filed August 30, 1939. Serial No. 423,147. PUBLISHED OCTOBER 31, 1939. Class 46.

374,601. PREPARATION IN POWDERED FORM FOR MAKING CHOCOLATE FLAVORED MILK. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed August 31, 1939. Serial No. 423,161. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,602. SHOE UPPER LEATHER. FRED RUEPING LEATHER CO., Fond Du Lac, Wis.
Filed August 31, 1939. Serial No. 423,177. PUBLISHED NOVEMBER 7, 1939. Class 1.

374,603. WHISKY. JAMES SWORD & SON, LIMITED, Glasgow, Scotland.
Filed August 31, 1939. Serial No. 423,183. PUBLISHED NOVEMBER 7, 1939. Class 49.

374,604. TOY WOOD MODELING SET AND PARTS THEREOF. EARL D. BOISSELIER, Glen Ellyn, Ill.
Filed September 2, 1939. Serial No. 423,253. PUBLISHED OCTOBER 31, 1939. Class 22.

374,605. LEATHER BELTING. GRATON & KNIGHT COMPANY, Worcester, Mass.
Filed September 2, 1939. Serial No. 423,263. PUBLISHED NOVEMBER 7, 1939. Class 35.

374,606. SHOE UPPER AND POCKETBOOK LEATHER. R. NEUMANN & COMPANY, Hoboken, N. J.
Filed September 2, 1939. Serial No. 423,276. PUBLISHED NOVEMBER 7, 1939. Class 1.

374,607. INDEX CARDS, GUIDES, AND SHEETS; FILE HOLDERS, LEDGER SHEETS, BOOK SHEETS, AND CHARTS IN THE NATURE OF BLANKS TO BE FILLED IN, WHEN COATED OVER ALL OR IN PART WITH A TRANSPARENT COATING. OXFORD FILING SUPPLY CO., Brooklyn, N. Y.
Filed September 2, 1939. Serial No. 423,277. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,608. FRESH DECIDUOUS FRUITS AND GRAPES, MELONS, AND FRESH VEGETABLES. PETERS & GARABEDIAN, Fresno, Calif.
Filed September 5, 1939. Serial No. 423,312. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,609. AIR COMPRESSORS AND SPRAY GUNS. SHARPE MANUFACTURING COMPANY, Los Angeles, Calif.
Filed September 5, 1939. Serial No. 423,315. PUBLISHED NOVEMBER 7, 1939. Class 23.

374,610. ALE. STAR BREWING CO., Boston, Mass.
Filed September 7, 1939. Serial No. 423,387. PUBLISHED NOVEMBER 7, 1939. Class 48.

374,611. COCOA. GUITTARD CHOCOLATE CO., San Francisco, Calif.
Filed September 8, 1939. Serial No. 423,419. PUBLISHED NOVEMBER 7, 1939. Class 46.

374,612. TIRES AND TUBES MADE WHOLLY OR PARTLY OF RUBBER. THE MANSFIELD TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed September 8, 1939. Serial No. 423,432. PUBLISHED OCTOBER 31, 1939. Class 35.

374,613. ELECTRIC ARC WELDING MACHINES. WILSON WELDER AND METALS CO., INC., New York, N. Y.
Filed September 8, 1939. Serial No. 423,449. PUBLISHED NOVEMBER 7, 1939. Class 21.

374,614. CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed September 9, 1939. Serial No. 423,468. PUBLISHED NOVEMBER 7, 1939. Class 17.

374,615. CIGARS. DANIEL LOUGHRAN COMPANY, INCORPORATED, Washington, D. C.
Filed September 12, 1939. Serial No. 423,532. PUBLISHED NOVEMBER 7, 1939. Class 17.

374,616. PENS, PENHOLDERS, PEN SETS, INKWELLS, AND FOUNTAIN PENS. THE TURNER & HARRISON STEEL PEN MANUFACTURING COMPANY INC., Philadelphia, Pa.
Filed September 12, 1939. Serial No. 423,537. PUBLISHED NOVEMBER 7, 1939. Class 37.

374,617. T-SQUARES, SQUARES, AND LEVELS. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed September 13, 1939. Serial No. 423,559. PUBLISHED NOVEMBER 7, 1939. Class 26.

374,618. EDIBLE OILS—NAMELY, OLIVE OIL. POLLY BROTHERS, New York, N. Y.
Filed September 13, 1939. Serial No. 423,573. PUBLISHED OCTOBER 31, 1939. Class 46.

374,619. BEER. JACOB RUPPERT, New York, N. Y.
Filed September 15, 1939. Serial No. 423,637. PUBLISHED NOVEMBER 7, 1939. Class 48.

374,620. BEER. WHITE EAGLE BREWING COMPANY, Chicago, Ill.
Filed September 16, 1939. Serial No. 423,688. PUBLISHED NOVEMBER 7, 1939. Class 48.

374,621. SEMIPASTE PAINTS AND LIQUID PAINTS. MOBILE PAINT MFG. COMPANY, INC., Mobile, Ala.
Filed September 20, 1939. Serial No. 423,771. PUBLISHED NOVEMBER 7, 1939. Class 16.

374,622. ROD MOUNTINGS, SUCH AS FISHING ROD TOPS, FISHING ROD GUIDES, AND FISHING ROD GUIDE RINGS. THE W. W. MILDRUM JEWEL COMPANY, East Berlin, Conn.
Filed September 21, 1939. Serial No. 423,818. PUBLISHED NOVEMBER 7, 1939. Class 22.

374,623. RUM. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky.
Filed September 22, 1939. Serial No. 423,858. PUBLISHED OCTOBER 31, 1939. Class 49.

374,624. WHISKEY. HARRY BENET, INC., Cincinnati, Ohio.
Filed September 25, 1939. Serial No. 423,907. PUBLISHED NOVEMBER 7, 1939. Class 49.

374,625. WHISKEY. H. C. MACPHERSON, doing business as Macpherson & Company, San Francisco, Calif.
Filed September 25, 1939. Serial No. 423,918. PUBLISHED NOVEMBER 7, 1939. Class 49.

374,626. CORDIALS, LIQUEURS, BRANDIES, SLOE GIN, AND ROCK AND RYE. SCHRANCK & SHAW, INCORPORATED, Milwaukee, Wis.
Filed September 25, 1939. Serial No. 423,928. PUBLISHED NOVEMBER 7, 1939. Class 49.

374,627. BRACES FOR BEDSTEADS. DE LUXE BED BRACE COMPANY, INC., Chicago, Ill.
Filed September 28, 1939. Serial No. 424,000. PUBLISHED NOVEMBER 7, 1939. Class 32.

374,628. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed September 29, 1939. Serial No. 424,062. PUBLISHED NOVEMBER 7, 1939. Class 49.

374,629. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed September 29, 1939. Serial No. 424,073. PUBLISHED NOVEMBER 7, 1939. Class 49.

374,630. SCOTCH WHISKY. A. K. HAMILTON & CO., INC., New York, N. Y., assignor to Caledonian Bonding Co., Ltd., Leith, Scotland, a limited-liability company of Great Britain.
Filed September 30, 1939. Serial No. 424,086. PUBLISHED NOVEMBER 7, 1939. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

374,631. (CLASS 38. PRINTS AND PUBLICATIONS.) THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Apr. 22, 1937. Serial No. 391,703.

Jean Allen

For a Publication Containing Recipes Issued Weekly.
Claims use since Feb. 22, 1935.

374,632. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PARKERSBURG RIG & REEL COMPANY, Parkersburg, W. Va. Filed May 14, 1938. Serial No. 406,350.

HYDRO-NU-MATIC

For Oil Well Pumping Units.
Claims use since May 5, 1938.

374,633. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BEVERLY LAIDLAW, Santa Monica, Calif. Filed Sept. 6, 1938. Serial No. 410,296.

SHAVE-AID

For a Beard Softening Preparation Suitable for Use Before and After Shaving.
Claims use since Aug. 25, 1938.

374,634. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHAS. A. SCHIEREN COMPANY, New York, N. Y. Filed Nov. 25, 1938. Serial No. 413,151.

WHITE-TAN

For Leather Comber Aprons for Use in the Textile Industry.
Claims use since October, 1938.

374,635. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INC., Baltimore, Md. Filed Nov. 30, 1938. Serial No. 413,320.

TISH-U-WATE

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Nov. 23, 1938.

374,636. (CLASS 39. CLOTHING.) RABINER UNDERWEAR CO., INC., New York, N. Y. Filed Jan. 5, 1939. Serial No. 414,533.

Barbara Ray

For Ladies' and Misses' Slips, Pajamas, and Nightgowns.
Claims use since Nov. 7, 1938.

374,637. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SKID CHEK CORPORATION OF AMERICA, St. Albans, Vt. Filed Feb. 7, 1939. Serial No. 415,747.

SKID CHEK

For a Cleaning Compound for Removing Oil, Grease, and Road Film from Rubber.
Claims use since November, 1938.

374,638. (CLASS 2. RECEPTACLES.) KEYES FIBRE COMPANY, Waterville, Maine. Filed Mar. 18, 1939. Serial No. 417,249.

FUL-VUE STAK-PAK

For Display Package Consisting of a Molded Pulp Plate Adapted to Receive a Food Product or the Like, a Covering Sheet Over the Food Product, and a Clamping Band Assembling the Covering Sheet to the Plate; Also the Plates Themselves.
Claims use since Nov. 3, 1938.

374,639. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. G. OKIE, INC., Philadelphia, Pa. Filed Apr. 6, 1939. Serial No. 417,931.

ODOR-LAC

For Paint in Dry, Paste, or Ready-Mixed Form.
Claims use since Oct. 3, 1938.

374,640. (CLASS 43. THREAD AND YARN.) BOTANY WORSTED MILLS, Passaic, N. J. Filed Apr. 13, 1939. Serial No. 418,183.

AQUA TONES

For Woolen Hand Knitting Yarn.
Claims use since Dec. 1, 1938.

374,641. (CLASS 11. INKS AND INKING MATERIALS.) UNDERWOOD ELLIOTT FISHER COMPANY, also doing business as Waters & Waters Branch, New York, N. Y., St. Louis, Mo., and Burlington, N. J. Filed Apr. 20, 1939. Serial No. 418,500.

OLD DUTCH LINE

For Typewriter Ribbon and Carbon Paper.
Claims use since July 1, 1922.

374,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY B. BURT, Tulsa, Okla. Filed June 19, 1939. Serial No. 420,664.

MALT-A-PLENTY

For Nonalcoholic Food Beverages and a Preparation for Making the Same Composed of Milk Products, Sugars, Gelatins, and flavoring.
Claims use since Sept. 5, 1938.

374,643. (CLASS 37. PAPER AND STATIONERY.) SAMUEL FLATAU, doing business as Yale Filing Supply Co., Los Angeles, Calif. Filed June 22, 1939. Serial No. 420,810.



For Index Cards, Manila and Pressbook Guides, Filing Folders, Celluloid Tab Guides, and Folders, Red Rope Folders, Red Rope Filing Pockets, Wallets, and Expanding Files, Loose Leaf Ring Books, Post Binders, Gem Clips, Rubber Bands, and Paper Fasteners.
Claims use since Dec. 5, 1938.

374,644. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KLEIN BROTHERS COMPANY, Cincinnati, Ohio. Filed Aug. 25, 1939. Serial No. 422,998.

KENWOOD

For Watches, Watchcases, Watch Parts, Watch Movements, and Watch Bracelets Sold as a Unit with the Watch.
Claims use since June 1, 1938.

374,645. (CLASS 39. CLOTHING.) HAGGAR COMPANY, Dallas, Tex. Filed Sept. 26, 1939. Serial No. 423,946.

COLORADO COOL

For Men's and Boys' Trousers and Shirts.
Claims use since Sept. 7, 1938.

374,646. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BURTON PRODUCTS, INC., Paterson, N. J. Filed Oct. 30, 1939. Serial No. 425,040.

SCHULTZ

For Beer and Ale.
Claims use since August, 1938.

TRADE-MARK REGISTRATIONS RENEWED

124,769. **BLUE GOOSE.** ROASTED COFFEE. Registered March 11, 1919. THE SHEAR COMPANY. Renewed March 11, 1939, to The Shear Coffee Company of Texas, Waco, Tex., a corporation of Texas, successor.

128,043. **DEFIANCE.** CERTAIN NAMED METAL-WORKING MACHINERY. Registered December 23, 1919. THE DEFIANCE MACHINE WORKS. Renewed December 23, 1939, to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio, successor.

128,150. **PELCO.** BITS AND ROTARY FISH-TAIL BITS USED IN THE DRILLING OR SINKING OF WELLS. Registered December 23, 1919. PELICAN WELL TOOL & SUPPLY CO., Shreveport and Vivian, La. Renewed December 23, 1939, to Pelican Well Tool & Supply Co., Shreveport, La., a corporation of Louisiana.

128,202. **POLISHEM.** A LIQUID PREPARATION FOR CLEANING, PRESERVING, AND RESTORING THE LUSTER TO VARNISHED OR FINISHED SURFACES. Registered December 23, 1919. WILLIAM H. WHITMORE. Renewed December 23, 1939, to Ensign Products Company, Cleveland, Ohio, a corporation of Ohio, successor.

128,272. **APTOL.** HEATING-OILS, ILLUMINATING-OILS, AND LUBRICATING-OILS. Registered December 30, 1919. HENRY MATTHEW WELLS, London, England. Renewed December 30, 1939, to Continental Oil Company, Ponca City, Okla., a corporation of Delaware, assignee by mesne assignments.

128,356. **QUAKER.** SHIPPING-TAGS. Registered January 6, 1920. THE DENNEY TAG COMPANY, West Chester, Pa., a corporation of Pennsylvania. Renewed January 6, 1940.

128,357. **PURITY.** SHIPPING-TAGS. Registered January 6, 1920. THE DENNEY TAG COMPANY, West Chester, Pa., a corporation of Pennsylvania. Renewed January 6, 1940.

128,359. **VICTORY.** SHIPPING-TAGS. Registered January 6, 1920. THE DENNEY TAG COMPANY, West Chester, Pa., a corporation of Pennsylvania. Renewed January 6, 1940.

128,360. **IMPERIAL.** SHIPPING-TAGS. Registered January 6, 1920. THE DENNEY TAG COMPANY, West Chester, Pa., a corporation of Pennsylvania. Renewed January 6, 1940.

128,507. **KNICKERBOCKER.** NEAR BEER. Registered January 6, 1920. JACOB RUPPERT, New York, N. Y., a corporation of New York. Renewed January 6, 1940.

128,570. **TONICOL.** HEATING-OILS, ILLUMINATING-OILS, AND LUBRICATING-OILS. Registered January 6, 1920. HENRY MATTHEW WELLS, London, England. Renewed January 6, 1940, to Continental Oil Company, Ponca City, Okla., a corporation of Delaware, assignee by mesne assignments.

128,618. **BORACETINE.** ANTISEPTIC LIQUID. Registered January 13, 1920. F. E. BARR & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 13, 1940.

128,654. **DENTINOL.** A PREPARATION FOR THE AMELIORATION OF PYORRHEA ALVEOLARIS, GINGIVITIS, AND BLEEDING OR RECEDING GUMS. Registered January 13, 1920. CHARLES S. COHEN. Renewed January 13, 1940, to National Dental Company, Newark, N. J., a corporation of New Jersey, assignee by mesne assignments.

128,684. **CAP SHEAF.** BREAD. Registered January 13, 1920. ENTIRE WHEAT BREAD COMPANY. Renewed January 13, 1940, to Cap-Sheaf Bread Company, St. Louis, Mo., a corporation of Missouri, by change of name.

128,858. **STAR.** BEESWAX, STEARIC ACID, AND SPERMACETI. Registered January 13, 1920. SMITH & NICHOLS, INCORPORATED, New York, N. Y., and Boston, Mass. Renewed January 13, 1940, to Smith & Nichols, Inc., New York, N. Y., a corporation of New York.

129,017. **PREMIER.** CERTAIN NAMED FOODS. Registered January 20, 1920. FRANCIS H. LEGGETT & COMPANY, New York, N. Y., a corporation of New York. Renewed January 20, 1940.

129,036. **NORWESCON.** WHEAT-FLOUR. Registered January 20, 1920. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn., and New York, N. Y. Renewed January 20, 1940, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

129,127. **BOMMER.** BUILDERS' HARDWARE—NAMELY, SPRING-HINGES, SPRING-PIVOTS, DOOR-CHECKS, DOOR-SPRINGS, DOOR-STOPS, AND BUTT-HINGES. Registered January 27, 1920. EMIL BOMMER, Brooklyn, N. Y. Renewed January 27, 1940, to John F. Voelkel, Brooklyn, N. Y., and Charles F. Gehrmann, Bloomfield, N. J., executors of the estate of Emil Bommer, deceased.

129,168. **THOR.** HOSE-COUPLINGS. Registered January 27, 1920. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill., a corporation of Delaware. Renewed January 27, 1940.

129,312. **SOLVAY.** SODA-ASH, CRYSTALS OF SODA, CAUSTIC SODA, MONOHYDRATE CRYSTALS, AND CALCIUM CHLORID. Registered February 10, 1920. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Renewed February 10, 1940, to The Solvay Process Company, New York, N. Y., a corporation of New York.

130,221. **J P.** BOILED SUGAR-DROPS, BUTTER BONBONS, TOFFEES, CHOCOLATES, CACHOUS, AND PINE-LOZENGES. Registered April 13, 1920. JAMES PASCALL, LTD., London, England. Renewed April 18, 1940, to James Pascall, Limited, Mitcham, England, a corporation of Great Britain.

131,014. **AYNSEE.** WRAPPING-PAPER. Registered May 4, 1920. THE ALLING & CORY COMPANY, Rochester, N. Y., a corporation of New York. Renewed May 4, 1940.

131,433. **MAJOR C.** WHEAT-FLOUR. Registered May 18, 1920. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo., a corporation of Colorado. Renewed May 18, 1940.

131,629. **STANCO.** PIPE JOINTS OR COUPLINGS MADE OF IRON, STEEL, BRASS, OR OTHER METALS. Registered May 18, 1920. STANDARD UNION COMPANY, Augusta, Maine, and Boston, Mass. Renewed May 18, 1940, to Jefferson Union Company, Lexington, Mass., a corporation of Massachusetts, assignee.

131,750. **FEDERALITE.** AIR-DRYING ENAMEL PAINT, OIL-STAINS, ACID-STAINS, COATERS, VARNISH AND VARNISH-STAINS. Registered May 25, 1920. FEDERAL VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 25, 1940.

131,803. **SWAN.** LAUNDRY BLUE. Registered May 25, 1920. NATIONAL BLUE CORPORATION, New York, N. Y., a corporation of New York. Renewed May 25, 1940.

131,899. **POWERINE.** GASOLENE. Registered May 25, 1920. THE DENVER POWERINE COMPANY. Renewed May 25, 1940, to The Powerine Company, Denver, Colo., a corporation of Colorado, by change of name.

131,927. **EMPIRE.** LACING-HOOKS FOR USE ON SHOES. Registered May 25, 1920. EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed May 25, 1940.

131,949. **HOME RUN.** SELF-RISING WHEAT-FLOUR. Registered June 8, 1920. THE ACME MILLS, Hopkinsville, Ky. Renewed June 8, 1940, to Ragland, Potter & Company, Inc., Nashville, Tenn., a corporation of Tennessee, assignee.

131,996. **CAPITAL.** WHEAT-FLOUR. Registered June 8, 1920. HOLMES & BARNES, LTD, Baton Rouge, La., a corporation of Louisiana. Renewed June 8, 1940.

LABELS

REGISTERED JANUARY 16, 1940

54,140.—*Title:* QUACKENBUSH'S EXQUISITE FOOTWEAR. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published December 8, 1939.

54,141.—*Title:* ROYAL SCOUT SIX. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published December 11, 1939.

54,142.—*Title:* SMART SHOES. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published December 8, 1939.

54,143.—*Title:* OREGON MAIZLETS. For Cream Style Golden Bantam Corn. BLUE LAKE PRODUCERS CO-OPERATIVE, West Salem, Oreg. Published October 12, 1939.

54,144.—*Title:* BOTTLED FOR THE PERSONAL USE OF JOHN DOE. For Kentucky Straight Bourbon Whisky. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Published November 1, 1939.

54,145.—*Title:* C AND H SUGAR PURE CANE COCKTAIL CUBES. For Sugar. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Published December 4, 1939.

54,146.—*Title:* C AND H SUGAR PURE CANE CRYSTAL TABLETS. For Sugar. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Published December 4, 1939.

54,147.—*Title:* CRISPY AND CHEWY. For Chocolates. DAGGETT CHOCOLATE COMPANY, doing business as F. H. Roberts Company, Cambridge, Mass. Published August 1, 1939.

54,148.—*Title:* A DISTINCTIVE PACKAGE. For Chocolates. DAGGETT CHOCOLATE COMPANY, doing business as F. H. Roberts Company, Cambridge, Mass. Published August 1, 1939.

54,149.—*Title:* TWEZUM. For a Game. ELECTRIC GAME CO., INC., Holyoke, Mass. Published November 28, 1939.

54,150.—*Title:* GOODMAN'S. For Vegetable Noodle Soup. A. GOODMAN & SONS, INC., New York, N. Y. Published December 11, 1939.

54,151.—*Title:* THIRON. For a Hematinic Combined with Vitamin B in Tablet Form. HART DRUG CORPORATION, Miami, Fla. Published November 24, 1939.

54,152.—*Title:* DAYTUX. For Coats. LOUISE GERTRUDE HOPE, San Francisco, Calif. Published December 1, 1939.

54,153.—*Title:* GOLDEN MALTED PANCAKE FLOUR. For Malted Pancake Flour. MALT CORPORATION OF AMERICA, Buchanan, Mich. Published September 25, 1939.

54,154.—*Title:* GOLDEN MALTED BUCKWHEAT FLOUR. For Malted Buckwheat Flour. MALT CORPORATION OF AMERICA, Buchanan, Mich. Published September 25, 1939.

54,155.—*Title:* RYE-THINS. For Genuine Swedish Crisp-Bread. NATIONAL IMPORTING COMPANY, Boston, Mass. Published November 30, 1939.

54,156.—*Title:* ACIDOLATE. For a Soluble Oil Detergent. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Published November 30, 1939.

54,157.—*Title:* THE POSTAGE STAMP PHOTO NOVELTY. For Postage Stamp Photo Novelties. NATIONAL PHOTOSTAMP CO., INC., New York, N. Y. Published December 7, 1939.

54,158.—*Title:* SWEET GEORGIA BROWN ODOR-RID. For a Deodorant. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1939.

54,159.—*Title:* DRINK SO-KAY COLA. For a Carbonated Beverage. ROBERT R. OLIVER, New York, N. Y. Published September 22, 1939.

54,160.—*Title:* ORIGINAL BOCK BEER. For Bock Beer. PILSER BREWING COMPANY, INC., New York, N. Y. Published November 30, 1939.

54,161.—*Title:* ORIGINAL EXPORT HALF AND HALF. For Half and Half Ale and Porter. PILSER BREWING COMPANY, INC., New York, N. Y. Published November 30, 1939.

54,162.—*Title:* ORIGINAL PALE ALE. For Pale Ale. PILSER BREWING COMPANY, INC., New York, N. Y. Published November 30, 1939.

54,163.—*Title:* PERFECTION ICE CREAM STOCK DESIGN P. F. F. 258–2. For Ice Cream. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published December 1, 1939.

54,164.—*Title:* SUN-GLORY. For a Grape Wine From Portugal. SCHENLEY IMPORT CORPORATION, New York, N. Y. Published November 1, 1939.

54,165.—*Title:* MRS. BAILEY'S COOKIES. For Cookies. STERLING CAKE COMPANY, INC., Brooklyn, N. Y. Published April 15, 1939.

54,166.—*Title:* JACK RABBIT CLEANER. For an All Purpose Cleaner. SUGAR BEET PRODUCTS COMPANY, Saginaw, Mich. Published September 26, 1939.

54,167.—*Title:* HOME MADE BREAD SLICED. For Sliced Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,168.—*Title:* POTATO BREAD SLICED. For Sliced Potato Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,169.—*Title:* SLICED PULLMAN LOAF SANDWICH BREAD. For Sliced Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,170.—*Title:* WHEAT BREAD SLICED. For Sliced Wheat Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 4, 1939.

54,171.—*Title:* WINNER LOAF A BETTER BREAD SLICED. For Sliced Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 7, 1939.

LABELS RENEWED

16,181. **PANAMA.** ORANGES AND LEMONS. Registered February 6, 1912. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif., a corporation of California. Renewed January 4, 1940.

PRINTS

REGISTERED JANUARY 16, 1940

17,800.—*Title:* ". . . AND THERE'S NO GUESSWORK ABOUT CONTROLLED ROASTING". For Coffee. HILLS BROS. COFFEE, INC., San Francisco, Calif. Published October 25, 1939.

17,801.—*Title:* KIMBALL'S RAYS OF HEALTH. For Stomach Tablets. H. B. KIMBALL, Milwaukee, Wis. Published December 21, 1937.

17,802.—*Title:* SANTA HAS THE ANSWERS! For Hospitality Set Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes and a Richly Grained Walnut Tray, Waffle Set Consisting of a Waffle Baker, Syrup Pitcher, Batter Bowl and Ladle and Walnut Tray, Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars, and an Automatic Toaster, Automatic Toasters and Junior Toast 'n Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published November 17, 1939.

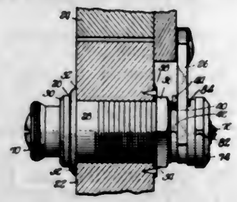
17,803.—*Title:* SOMEBODY WILL THINK YOU'RE WONDERFUL. For Automatic Toasters, Junior Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and Non-Automatic Toaster, Waffle Set Consisting of a Waffle Baker, Syrup Pitcher, Batter Bowl and Ladle and Walnut Tray, Hospitality Set Consisting of an Automatic Toaster, Four Lap Trays, a Toast-Trimmer, Crystal Appetizer Dishes and a Richly Grained Walnut Tray and Toast and Jam Set Consisting of a Walnut Tray, Jam and Marmalade Jars and an Automatic Toaster. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published December 3, 1939.

17,804.—*Title:* POP CORN FOR XMAS! For Pop Corn. H. T. RESTEMEIER POTATO CHIP CO., Cleveland, Ohio. Published December 4, 1939.

21,320
LOCK

Kenly C. Bugg, Fort Wayne, Ind., assignor of twenty-five per cent to Robert J. Jauch, Fort Wayne, Ind., and twelve and one-half per cent to Howard Somervell, Evanston, Ill.

Original No. 2,116,011, dated May 3, 1938, Serial No. 185,774, January 19, 1938. Application for reissue November 10, 1939, Serial No. 303,909
33 Claims. (Cl. 70—289)

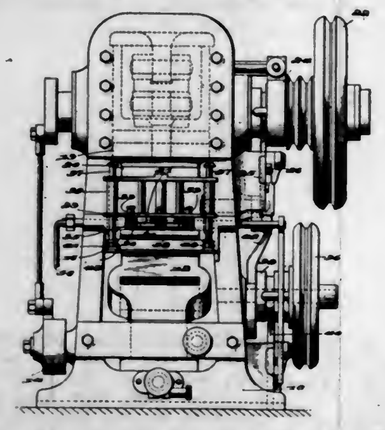


29. In a lock, the combination of a rotatable operating member, a track member, a member disposed adjacent thereto, a ball adapted to separate said track member and said adjacent member when it is being moved over said track member in a predetermined manner, a locking member, and means for bodily moving said operating member to permit said operating member to be actuated to move said locking member when said ball has been moved to a predetermined position.

21,321
METHOD OF AND APPARATUS FOR ORNAMENTING SHOE PARTS

Benjamin W. Freeman, Cincinnati, Ohio

Original No. 1,990,592, dated February 12, 1935, Serial No. 478,264, August 27, 1930. Renewed February 21, 1934. Application for reissue April 7, 1938, Serial No. 200,765
89 Claims. (Cl. 101—316)



37. The method of ornamenting shoes which consists in inking a marking member, applying said inked marking member to a shoe part to clamp same in position and to produce inked markings thereon, and thereafter cutting out a permanent pattern in the shoe part, the beginning and completion of said cutting out being effected while said inked member is contacting the part.

84. In an ornamenting machine, the combination with ornamenting means including a marking plate having at least one marking die thereon, of means, including a spring, acting on the marking plate and independently thereof, respectively, for exerting a stripping pressure on the work.

21,322
INTERFACE MODIFYING AGENTS AND METHOD OF PRODUCING THE SAME

Benjamin R. Harris, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

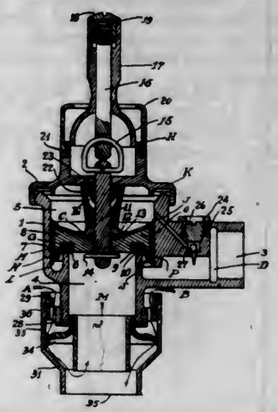
No Drawing. Original No. 2,023,388, dated December 3, 1935, Serial No. 754,087, November 21, 1934. Application for reissue January 7, 1939, Serial No. 249,820
20 Claims. (Cl. 260—411)

1. An interface modifying agent comprising an ester of polyglycerol and a relatively high molecular weight monobasic aliphatic acid containing less than 18 carbon atoms, said ester having at least one free hydroxy group.

21,323
FLUSH VALVE UNIT

Jesse D. Langdon, Los Angeles, Calif.

Original No. 2,074,698, dated March 23, 1937, Serial No. 564,340, September 22, 1931. Application for reissue March 9, 1939, Serial No. 260,815
15 Claims. (Cl. 137—93)



13. For connection to a valve of the kind described having an inlet and outlet, a non-syphonic unit having elements for attachment to a valve and forming a cap and air inlet comprising a perforated top portion circumscribed by an annular tube, a check valve closure element seating across said air inlet disposed between the valve outlet and said annular tube to close said air inlet to the egress of fluid from within said tube outwardly thru said air inlet.

21,324
MUFFLER

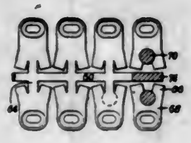
Roy J. MacKenzie, Lucien L. Haas, and Gail C. Starkweather, Youngstown, Ohio, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y.
Original No. 2,115,113, dated April 26, 1938, Serial No. 89,606, July 8, 1936. Application for reissue June 22, 1938, Serial No. 215,240
15 Claims. (Cl. 181—48)



15. A muffler including an inner shell having perforate and imperforate zones of its wall spaced apart in a direction lengthwise thereof, an outer shell, and an intermediate shell disposed within and spaced largely from said outer shell, encircling said inner shell, and having a plurality of zones thereof spaced apart in a direction lengthwise thereof and constricted into supporting engagement with imperforate zones of said inner shell, at least one of said constricted zones being formed intermediate of the ends of the intermediate shell, some of said constricted zones being in approximate contact with said inner shell throughout approximately the entire periphery of the latter to form separated chambers between the inner and intermediate shells on opposite sides of a constriction, said intermediate shell being split lengthwise from end to end to enable application over the inner shell in a direction laterally thereto, and having abutting flanges along and substantially continuous with the split on opposite sides thereof, that extend outwardly of said intermediate shell, whereby said intermediate shell may be easily fitted over an inner shell having an irregular outer surface.

21,325
SLIDE FASTENER

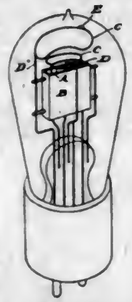
Frank P. Miller and Lewis Skeel, Meadville, Pa., assignors, by mesne assignments, to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Original No. 2,108,009, dated February 8, 1938, Serial No. 145,997, June 2, 1937, which is a division of Serial No. 731,995, June 22, 1934. Application for reissue November 7, 1938, Serial No. 239,324
17 Claims. (Cl. 24—205)



1. An article of manufacture, comprising a ribbon-like metallic member having a series of fastener elements disposed along at least one side thereof, characterized by the fact that the ribbon-like member is provided with a series of neck portions and each element is provided with tape gripping jaws at one end and an interlocking head at its other end, and the tape gripping jaws are unitarily connected with the neck portions of said ribbon-like member.

21,326
METHOD AND MEANS FOR INDUCTIVELY HEATING THE METALLIC PARTS OF ENCLOSED ELECTRICAL DEVICES

Alexander Rava, Chicago, Ill.
Original No. 1,676,049, dated July 3, 1928, Serial No. 716,632, May 29, 1924. Application for reissue February 2, 1934, Serial No. 709,517
17 Claims. (Cl. 250—27.5)



1. The method of removing gas from a conductive body inclosed within an envelope wherein said body is shielded by another conductive body from a magnetic field which consists in affixing to said first mentioned body a loop of conductive material forming a closed contour with said body and being insulated from other conductive bodies within said envelope heating said loop and said conductive body by a high frequency magnetic field to remove the gas therefrom, removing said gas from said envelope and sealing said envelope.

21,327
MOUNTING FOR GRIP CORDS

Adolph Rydquist, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Original No. 2,076,417, dated April 6, 1937, Serial No. 29,746, July 3, 1935. Application for reissue September 29, 1938, Serial No. 232,463
25 Claims. (Cl. 24—123)

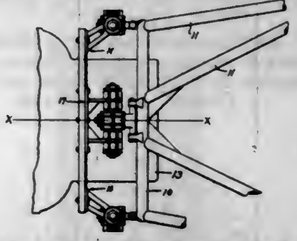


18. A cord-anchoring installation comprising, in combination, a supporting structure, an attaching plate directly secured to said supporting structure, a means associated with said plate whereby a cord is secured thereto, and a slidable hollow shield fitted to said plate and adapted to conceal at least a portion of said plate, said shield and said plate having interengaging means whereby said shield is attached to or detached from said plate by a predetermined longitudinal motion while said attaching plate and cord are attached to said supporting structure.

21,328
ENGINE MOUNTING

Wilbur E. Stitz, Dayton, Ohio, assignor to Lord Manufacturing Company, Erie, Pa., a partnership comprising H. C. Lord and Blanche M. Hartman
Original No. 2,145,280, dated January 31, 1939, Serial No. 57,933, January 7, 1936. Application for reissue October 21, 1939, Serial No. 300,663
38 Claims. (Cl. 248—5)
(Original patent granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

16. In a mounting system, the combination of a vibrating body adapted for overhung suspension on an upright support; and a suspension attached to the body for supporting the body in overhung relation to such a support, providing angular degrees of freedom of the vibrating body about axes in an upright plane facing such a support, for reducing the vibrational effects thereof, comprising an elastic means incorporated in the suspension, the suspension supporting the body through the elastic means having an



elastic yieldability under load in the directions of movement corresponding to the movement of the body at the suspension about said axes, with natural frequencies in said directions less than $\frac{1}{\sqrt{2}}\times$ the normal primary vibrating frequency of the vibrating body.

PLANT PATENTS

GRANTED JANUARY 16, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

353
ROSE

Ivar Ringdahl, Rome, N. Y.

Application March 9, 1939, Serial No. 260,869

1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose substantially as shown and described, characterized particularly by its exceedingly long slender bud; its pleasing fragrance combining the odors of cinnamon and tea; its strong bush growth; and its two-toned blossoms combining tones from Light Coral Red to Eugenia Red with tones from Ochraceous-Buff to Ochraceous-Salmon.

354
ROSE

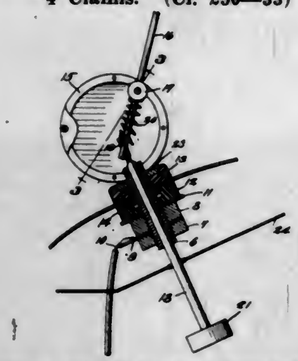
Harold Fetzer Yoder, Barberton, Ohio, assignor to Yoder Brothers, Barberton, Ohio
Application March 4, 1939, Serial No. 259,867
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant substantially as shown and described, characterized particularly by its very dark foliage with unusually long terminal leaflets; its strong and vigorous growth; its long, strong stems and peduncles; its long, slender bud; and its large flowers with decided tea fragrance and petals of large size, heavy substance and distinctive variegated color composed of shades from Apricot Orange to Eugenia Red overlaid upon Light Cadmium.

PATENTS

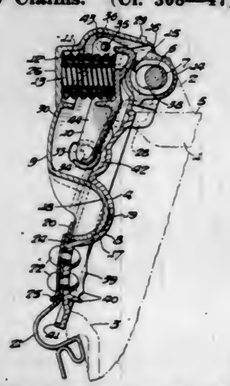
GRANTED JANUARY 16, 1940

2,186,934
ANTENNA CONSTRUCTION
Howard Palmer, Kennett Square, Pa.
Application July 11, 1939, Serial No. 283,885
4 Claims. (Cl. 250—33)



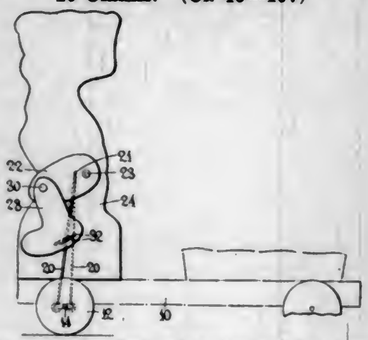
1. A motor vehicle antenna comprising a tubular support adapted to be secured within an opening in a motor vehicle top, a housing secured at the upper end of the tubular support, an antenna rod pivotally connected to the housing, one end of the antenna rod extending into the antenna housing, a control rod extending into the housing and having pivotal connection with the antenna rod and adapted to swing the antenna rod to its vertical or horizontal position, and yieldable means for holding the antenna in its positions of adjustment.

2,186,935
JOURNAL BOX
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application September 20, 1935, Serial No. 41,472
9 Claims. (Cl. 308—47)



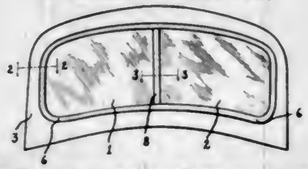
1. In combination, a journal box having a hinge lug, an articulated lid including a cover with an outwardly opening socket adjacent the center thereof, a hood with a ball-shaped lower portion fitting in said socket for universal movement thereof, a lever pivoted directly to said hood above said ball and socket connection, a helical spring acting between said hood and the upper portion of said lever for urging the latter into engagement with said lug to hold the lid in open or closed position, and means pivotally connecting said lid and lug.

2,186,936
ACTION TOY
Herman G. Fisher, East Aurora, N. Y., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y.
Application September 21, 1939, Serial No. 295,947
10 Claims. (Cl. 46—107)



1. In an action toy, a traction wheel, a toy figure, a limb-simulating member pivotally mounted upon said toy figure, a connecting rod associated with said traction wheel and said limb member in such manner as to procure oscillation of the latter upon rotation of said traction wheel, a second limb member articulated to said first limb member and disposed adjacent said connecting rod, and a pair of abutments extending from said second limb member at a position spaced from the point of articulated connection and embracing said connecting rod at opposite sides thereof in such manner as to coordinate the vertical components of movement of the outer end of said second limb member and the components of its movement laterally thereof in a predetermined manner.

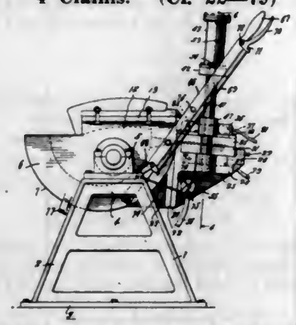
2,186,937
WINDOW CONSTRUCTION FOR VEHICLE BODIES
Thomas Paul Lohrman, San Francisco, Calif.
Application August 4, 1937, Serial No. 157,327
1 Claim. (Cl. 296—44)



Means for securing a glass panel within the surrounding framework, comprising; a resilient insulation material separating the edge portions of said glass panel from said framework; a garnish moulding secured to said framework along the inner edge portions of said glass panel for resisting the inward thrust of said glass panel;

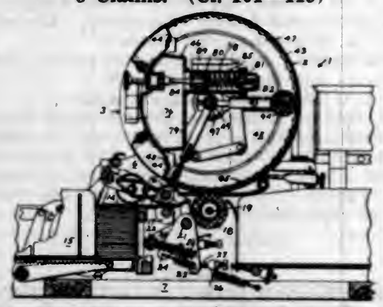
and a metallic strip having a hooked engagement with said resilient insulation material, said strip surrounding the outer edge portions of said glass panel and acting as a resistance to any outward thrust of said glass panel; said strip also serving as a shield for said insulation material.

2,186,938
APPARATUS FOR CASTING ARTICLES
Henry E. McWane, Lynchburg, Va.
Application October 11, 1934, Serial No. 747,956
Renewed February 18, 1939
4 Claims. (Cl. 22—79)



3. A casting apparatus comprising a tiltable ladle, a sectional mold secured thereto, said mold being opened by movement of one of said sections from the other section, an operating lever extending from the ladle and adapted to tilt the ladle and additional means on the lever to control the movement of one of said sections.

2,186,939
INKING DEVICE FOR A ROTARY DUPLICATOR
Ferdinand Nigra, San Francisco, Calif., assignor to Niagara Duplicator Company, San Francisco, Calif., a corporation of California
Original application October 22, 1934, Serial No. 749,328. Divided and this application August 14, 1937, Serial No. 159,149
5 Claims. (Cl. 101—119)



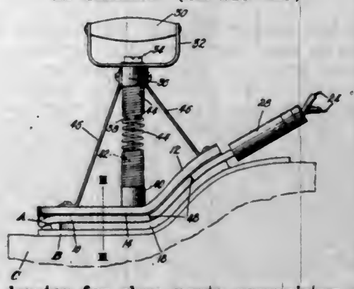
5. In a duplicator, or the like, a stencil cylinder, an ink reservoir, at least three discharge ducts terminating at mutually spaced nozzles arranged in a line extending axially within the cylinder and opposite the inner face of a stencil thereon, means connecting said ink reservoir with the duct and including a common multi-way valve for setting to permit a simultaneous discharge of ink from the reservoir selectively from a plurality of said nozzles, and an ink-spreading means operative circumferentially in said cylinder to spread the discharged ink over an area having a variable width determined by the length of the line of discharge ink.

2,186,940
CONTAINER
Richard L. Sullivan, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 5, 1936, Serial No. 83,801
1 Claim. (Cl. 40—2)



A sealed container comprising a tubular body wall having a lithographed design including a specially marked portion in its exterior surface, and an area defined in said body wall and disposed in the plane thereof within the specially marked portion of said design, said area being set off by a score line and removable from said body wall when the container is empty so that the container body will be thereby destroyed, the specially marked portion of the design on said removed part thereby identifying it with the container from which it was removed and certifying by its removal that the body of the container was duly destroyed against further usefulness.

2,186,941
HEATING APPARATUS FOR SHOE PARTS
Jan Teppema, Cambridge, and Thomas C. Morris, Belmont, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application August 22, 1938, Serial No. 226,148
12 Claims. (Cl. 219—19)

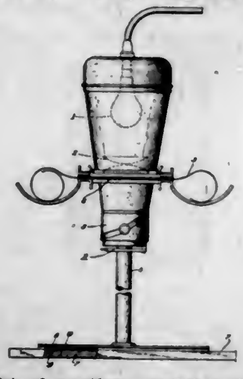


2. A heater for shoe parts comprising an exposed heating element comprising an electric resistance unit in the form of a long loop, the loop as a whole being shaped to follow the curvature of a shoe bottom both in elevation and in plan and adapted to heat the peripheral portion of the shoe bottom substantially solely by heat radiated therefrom.

2,186,942
PROCESS OF MAKING PHOTOGRAPHS
Otto Vierling, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application December 30, 1936, Serial No. 118,372
In Germany December 31, 1935
3 Claims. (Cl. 95—5)

1. A process of making photographic positives, including the steps of illuminating a layer of

fulgides through a negative with colored light of a predetermined wave length, said layer being adapted to change its color under the influence of and in accordance with the intensity of illumination by said light passing through the negative, and then subjecting the layer of ful-



gides to light of another predetermined different wave length, said layer of fulgides being adapted to change back to the original color under the influence of said second illumination, whereby the picture produced on said layer by the first illumination is caused to disappear.

2,186,943
MONEY CARRIER
Walter Christian Voss, New York, N. Y.
Application December 29, 1937, Serial No. 182,270
6 Claims. (Cl. 24—81)



1. A bill holder adapted for holding bills in groups so that the individual groups can be separated from the other groups for convenient access and closed together for insertion in a pocket, comprising a plurality of clips each having a pair of resilient arms for holding bills therebetween joined together by a bar portion extending along an edge and lying substantially in the plane of the clip, the bar portions of the clips being substantially parallel and adjacent each other, and means extending around said bar portions and holding said portions together pivotally so that the clips can be opened apart.

2,186,944
MEANS FOR LOOSENING A WINDOW SASH FROM ITS FRAME
John Waldheim, Elizabeth, N. J.
Application April 4, 1936, Serial No. 72,723
18 Claims. (Cl. 254—131)

1. In a jack, the combination of two elements, namely a lifting rod, and a lever to actuate said rod, said rod having a curved bottom end, said lever having a curved portion extending under said rod, the curved portion of said lever conforming to the shape of the curved bottom end to engage the latter, said lever having also a curved bearing section adapted to engage an object foreign to said jack for the purpose of rocking the lever and thus causing it to push said rod, the curved bottom end of said rod and the curved portion of said lever cooperating with each other to prevent slipping of one of said elements out of engagement with the other element during the operation of the jack, said lever



being of the first order so that the movement of the rod is produced by a movement in the opposite direction of the handle part of the lever.

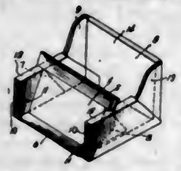
2,186,945
PREPARING LITHOGRAPHIC PLATES FOR PRINTING
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 16, 1937, Serial No. 148,564
23 Claims. (Cl. 101—149)

1. In the process of preparing plates for printing in lithographic manner, treating the image-bearing metal plate with a solution providing a polyacrylic compound.

2,186,946
PREPARING LITHOGRAPHIC PLATES
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application February 10, 1938, Serial No. 189,829
20 Claims. (Cl. 41—41.5)

1. A process of the character described, which comprises treating a plate which is for printing in lithographic manner by applying to the metal surface a water-dispersible polymeric carboxylic acid product of the character of polymerized vinyl acetate maleic acid.

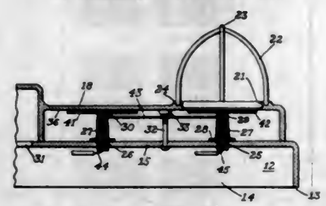
2,186,947
CONTAINER AND PARTS THEREOF
Philip Zalkind, New York, N. Y.
Application February 1, 1936, Serial No. 61,859
7 Claims. (Cl. 129—26)



1. In combination, a collapsible drawer of sheet material, and a follow block for said drawer; said

drawer having outer side walls, inner side walls as integral extensions of said outer side walls, and being united therewith along predetermined fold lines about which said inner walls may be manually folded to lie adjacent to said outer side walls, the material at said fold lines having elasticity and acting to move said inner walls inwardly into said drawer; said follow block comprising a blank of sheet material somewhat narrower than the distance between the inner side walls of the drawer when the latter are in contact with the outer side walls of the drawer, but of sufficient width to be in contact with both of said inner walls under the elastic action of the connection between the inner and outer walls.

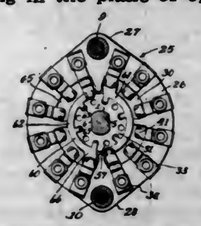
2,186,948
DEVICE AND METHOD TO TEST RADIATION OF HEAT FROM A BODY
William F. Alder, Altadena, Calif., assignor to Frank E. Wood, as trustee, Monrovia, Calif.
Application October 23, 1936, Serial No. 107,171
Renewed April 17, 1939
14 Claims. (Cl. 73—51)



4. In a device as described, the combination of a housing and supporting structure having a first and a second heat radiating disc mounted therein in a similar manner, the discs being electrically insulated from the housing, the two discs being similar as to size and shape of exposed radiating surfaces and similar as to mass, the said housing structure having an opening forming an exposure for the heat radiating face of the first disc, the housing having a cover over the heat radiating surface of the second disc, said cover having a characteristic of reflecting heat back to the second disc, the heat radiating surface of the first disc being characterized as a good heat radiator and the similar surface of the second disc being characterized as a poor heat radiator, a first connection of a thermo-electric couple connecting both of the discs and being connected thereto at a similar point, second connectors of the thermo-electric couple attached to the first connection at the same points on the discs, a mechanical electrical indicating instrument in circuit with the second connectors of the thermo-electric couple to indicate a relative rate of radiation from the two discs due to their temperature differential.

2,186,949
ELECTRIC SWITCH
Kenneth C. Allison, Arlington Heights, and Edward J. Mastney, Berwyn, Ill., assignors to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 9, 1935, Serial No. 53,486
18 Claims. (Cl. 200—15)

1. In an electric switch, a switching section removable and replaceable as a unit comprising a flat insulating stator construction having a free central region cut out therefrom, contacts mounted thereon on both sides thereof and having active contact portions extending into said free region, each active contact portion comprising a pair of spring jaws adapted to open in a direction perpendicular to the stator plane, the contact jaws on each side of the stator operating in a plane parallel to the stator plane, an insulating rotor disposed within said free region and provided with a series of apertures therethrough near the edge thereof and with a central aperture for engagement with a shaft, flat contacts disposed on opposite sides of said rotor, the contacts on each side lying in the plane of operation of the



stator contacts cooperating therewith, each of said contacts having the general shape of an annular segment with the active portion extending beyond the rotor and freely accessible to the stator jaws, each contact having attaching portions overlying certain of said apertures and having other portions clearing at least one of said apertures, means passing through said certain apertures for retaining said contact on said rotor, the retaining means for opposing contacts being staggered and the contact unsupported by any retaining means being clear thereof.

2,186,950
ELECTRIC SWITCH
Kenneth C. Allison, Arlington Heights, and Edward J. Mastney, Berwyn, Ill., assignors to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1936, Serial No. 99,722
20 Claims. (Cl. 200—15)



1. A switch section, removable and replaceable as a unit, comprising a flat insulating stator having an interior portion thereof cut out to leave a plurality of inwardly extending fingers whose free ends lie on the circumference of a circle, an insulating rotor disk disposed within said cut out region and being just large enough to bear against said fingers, said disk having a central noncircular aperture for engagement with a shaft, flat rotor contacts carried by said rotor on the sides thereof and extending beyond the disk edge to overlap at least certain of said fingers on the opposite sides thereof, and spring contacts mounted on the stator between fingers cooperating with the side surfaces of said rotor contacts and having contacting portions entirely clear of said stator.

2,186,951
HEADLIGHT FOR VEHICLES
Axel Bergström, Lidingo, Sweden, assignor to Aktiebolaget Timbro, Stockholm, Sweden, a corporation of Sweden
Application February 19, 1937, Serial No. 126,570
In Sweden February 22, 1936
2 Claims. (Cl. 240—41.35)

1. In a light projector, a reflector, the rear

portion of said reflector above the optical axis being a parabolic body and the remaining forward portion being substantially of elliptical form, said forward portion having the shape of a single ellipse in vertical section through the optical axis of the reflector and having a contour in a horizontal section through the optical axis made up of a plurality of elliptical segments,



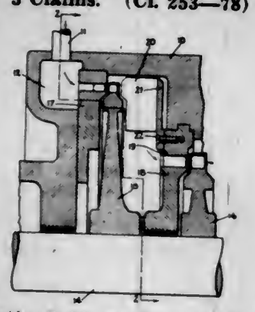
the inner focus of said single vertical ellipse and the inner foci of said elliptical segments coinciding with the focus of said parabolic body, and the outer foci of said elliptical segments being located beyond the outer focus of said single ellipse, the last mentioned foci being located on said optical axis progressively forward as said segments are progressively approaching the parabolic body.

2,186,952

ELASTIC FLUID TURBINE

David J. Bloomberg, Newton, Mass., assignor to General Electric Company, a corporation of New York

Application June 21, 1938, Serial No. 214,909
3 Claims. (Cl. 253—78)



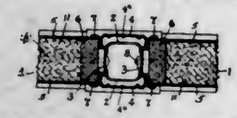
1. An elastic fluid turbine comprising a first stage having a bucket wheel of large diameter and a second stage with a diaphragm of small diameter considerably axially spaced from said bucket wheel, and a device comprising a plurality of spaced vanes arranged on an arc with each vane having a straight portion inclined by about 45° towards the corresponding diameter of the bucket wheel and some of the vanes having curved portions to direct elastic fluid discharged from the bucket wheel and effect distribution of the fluid among all sections of the diaphragm.

2,186,953

METALLIC WALL STRUCTURE

John A. Bohnsack, Cleveland Heights, and Thomas V. Balch, Shaker Heights, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio

Application June 2, 1936, Serial No. 83,126
3 Claims. (Cl. 189—34)



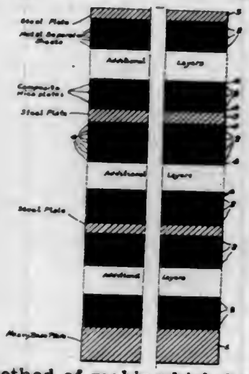
1. A panel unit for partitions, comprising spaced metal plates, means secured to and rendering said plates rigid, strips of insulating material spacing said plates at the vertical edges thereof, channel members embracing said plates at the vertical edges thereof, and in engagement with said strips, and a filling of loosely compacted heat and sound insulating material between said plates.

2,186,954

ART OF MANUFACTURING HIGH TEMPERATURE MICA PRODUCTS

Willis A. Boughton, Cambridge, and William R. Mansfield, Boston, Mass., assignors, by mesne assignments, to New England Mica Company, Waltham, Mass., a corporation of Massachusetts

Application October 29, 1935, Serial No. 47,262
30 Claims. (Cl. 154—2.6)



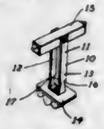
1. The method of making high-heat composite mica products which comprises building up mica films into a plate by cementing a plurality of layers of said films together with a high temperature resisting inorganic binder, said binder applied as a liquid, removing solvent from said binder within the plate, assembling a plurality of the superficially dried mica plates into a pile with the plates separated from each other by metallic sheets having a low or negligible thermal coefficient of expansion, baking said pile in a furnace at a binder fusion temperature of from about 550° C. to about 650° C., compressing said pile while still hot under a pressure of from about 250 to about 500 lbs. per square inch, and cooling said pile while still under pressure.

2,186,955

SELF-RETAINING CUFF LINK

Frederick A. Bullock, Attleboro, Mass., assignor to Dolan & Bullock Co., Providence, R. I., a corporation of Rhode Island

Application February 17, 1938, Serial No. 190,938
1 Claim. (Cl. 24—102)



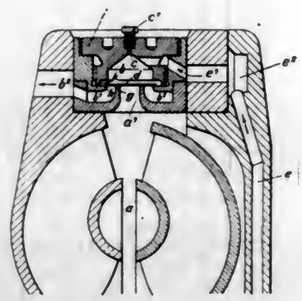
In a cuff link, a body member having two spaced arms, a head secured to one end of said member and adapted to engage the outside of a cuff end, and a second head pivotally mounted between the spaced arms at the other end of said member, said arms having means comprising cut away portions forming laterally extending teeth spaced from said one end and adapted to engage the inside of a cuff end.

2,186,956

CONTROL MEANS FOR FLUID POWER TRANSMITTERS

Hans Faic Canaan, Heidenheim-on-the-Brenz, Germany, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a copartnership composed of Walther Voith, Hermann Voith, and Hanns Voith

Application October 26, 1936, Serial No. 107,741
In Germany November 1, 1935
12 Claims. (Cl. 60—54)



1. In a hydraulic power transmitting device, a working chamber, a driving rotor and a driven rotor therein, a plurality of ports leading out of said working chamber, a control chamber communicating with each of said ports, means for supplying pressure fluid to said chambers, and freely movable sealing laminae arranged to close said ports in response to the admission of pressure fluid to said chambers.

2,186,957

COATING METHOD

William R. Collings and John J. Hoeltzel, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 13, 1938, Serial No. 201,753
1 Claim. (Cl. 91—68)

The method of coating embossed paper to provide a coating which follows uniformly the contour of the surface variations of the paper, which consists in spreading a layer of a cellulose derivative solution, having a falling ball viscosity at 25° C. of between 350 and 400 seconds, upon a horizontally moving flat sheet of embossed coverstock, and immediately subjecting the embossed sheet to suction applied to the undersurface thereof, whereby there is produced a uniformly coated, non-warping paper having a uniform high gloss.

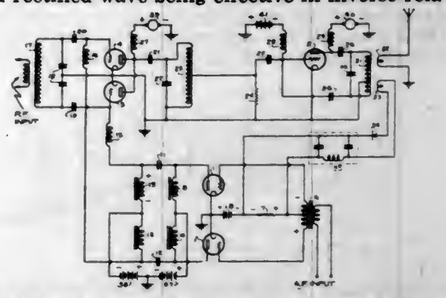
2,186,958

DISTORTION REDUCING SYSTEM FOR SUPPRESSED CARRIER TRANSMISSION

Arthur A. Collins, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application April 27, 1938, Serial No. 204,666
15 Claims. (Cl. 179—171.5)

1. In combination with a balanced suppressed carrier modulation system, a push-pull audio frequency amplifier in the modulation input of said system, means for rectifying a portion of the modulated output of said system, and means for applying the rectified wave in like polarity in both branches of the input of said push-pull amplifier, said rectified wave being effective in inverse rela-



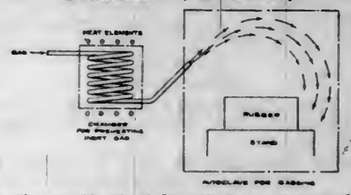
tion for reducing distortion in said modulation system.

2,186,959

HOT GASSING PROCESS

Lester S. Cooper, Port Clinton, Ohio, assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware

Application December 12, 1936, Serial No. 115,583
6 Claims. (Cl. 18—53)



1. In the method of forming gas expanded rubber the step of impregnating rubber dough with gas which comprises disposing the rubber dough in a chamber, pre-heating an inert gas to a semi-curing temperature outside the chamber, and then subjecting the rubber dough disposed in a chamber to the pre-heated gas at a high pressure.

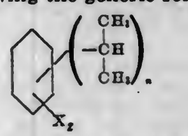
2,186,960

POLYISOPROPYL HALOBENZENES

Robert R. Dreisbach and George Beal Heusted, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 26, 1937, Serial No. 139,020
5 Claims. (Cl. 260—650)

1. A liquid mixture of isomeric polyisopropyl halobenzenes having the generic formula:



wherein X is a halogen, n is an integer greater than 1 and lower than 6, z is an integer lower than 5, and the sum of n and z is not greater than 6.

2,186,961

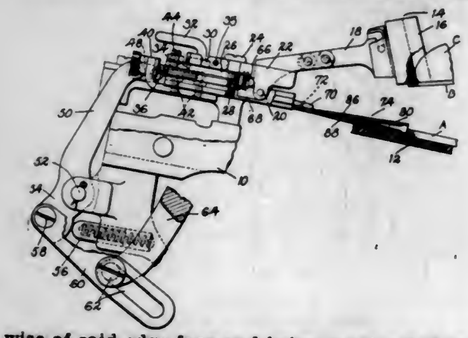
GAUGE FOR SHOE PRESSING MACHINES

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

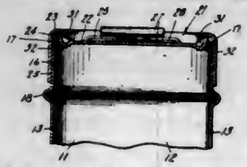
Application March 30, 1938, Serial No. 198,960
10 Claims. (Cl. 12—33)

1. A gauge adapted to abut the edge face of

a work piece and to engage said edge face throughout its extent in the direction of the thickness of the work piece, said gauge comprising a plate having a plurality of resilient fingers formed thereon normally twisted at angles widthwise of said edge face and being constructed and arranged to bend under pressure applied in the direction of the thickness of the work piece and to flatten out toward a plane parallel to the plane of the work piece, and means for covering said fingers.



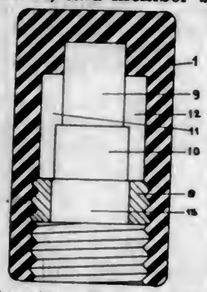
2,186,962
CONTAINER
Fred G. Foss, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 30, 1937, Serial No. 177,354
2 Claims. (Cl. 221—62)



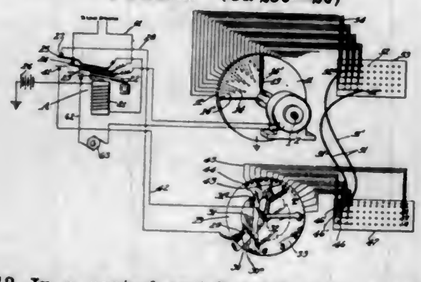
1. A container for granular products and the like, comprising a body having a friction rim adjacent its mouth, a cover having a peripheral bead terminating in a depending flange adapted to frictionally fit over said friction rim when the cover is on the body, said cover bead having indented portions at oppositely spaced areas thereof to provide protuberances spaced inwardly from said friction rim and extending down adjacent the inside surface of the body friction rim confining the rim between them and the flange of the cover, said protuberances supporting the rim of the body against disengagement from said cover flange thereby maintaining the tightness of said joint and preventing the escape of the container contents therethrough when a gripping pressure is applied to the container body during handling.

2,186,963
DEVICE FOR USE IN CONNECTING WIRE ENDS
Wilhelm Albert Rudolph Meyer, The Hague, Netherlands, assignor to Thabur, Industrieele en Technische Handelmaatschappij N. V., The Hague, Netherlands
Application March 24, 1938, Serial No. 197,881
In the Netherlands February 17, 1937
5 Claims. (Cl. 174—87)

1. A wire connecting device comprising an insulating body provided with a plurality of coaxial bores of different diameters, each bore having lateral slots communicating therewith, and a clamping member, said member being internally threaded and externally provided with projections respectively engageable with said slots upon threaded engagement of a plurality of twisted wire ends with said member.



2,186,964
TIME CONTROL SWITCH MECHANISM
Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, Los Angeles, Calif.
Application January 11, 1937, Serial No. 120,016
12 Claims. (Cl. 250—20)



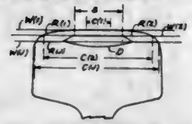
12. In a control switch mechanism, a switch means, an electromagnet, a circuit for the magnet and the switch means, an armature for the magnet normally closing said circuit when the switch means is closed, said armature being arranged to break the circuit when the electromagnet is energized, a second circuit for the electromagnet and said armature, said armature, when said magnet is energized, closing said second circuit, and a motor operated switch controlled by said second electromagnet energizing circuit for breaking the latter circuit after predetermined operation of the motor.

2,186,965
BED SHEET
Annette Fridolph, New York, N. Y.
Application September 19, 1936, Serial No. 101,534
3 Claims. (Cl. 139—391)



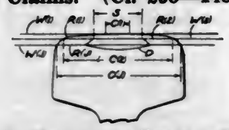
1. As a new article of manufacture, a bed sheet of woven material having the warp and woof threads of a portion thereof of standard formation to present a relatively smooth cold feel, and the warp and woof threads of a widthwise portion adjacent one end of said woven sheet having an exposed surface napped to form a relatively soft surface.

2,186,966
PROCESS FOR PRODUCING RAILS
Harry S. George, Massapequa, N. Y.
Application November 10, 1936, Serial No. 110,045
11 Claims. (Cl. 29—169)



1. The process of repairing the ends of worn rail treads which comprises depositing a single continuous bead of hardenable molten metal progressively from end to end of the area under repair over an area restricted in width to not more than three-quarters of the width of the rail head and with corresponding restriction of heat input, and allowing the deposited metal which has been thus deposited and cooled below the critical temperature to be further cooled to atmospheric temperature naturally and without reheating sufficient to draw the temper of the metal.

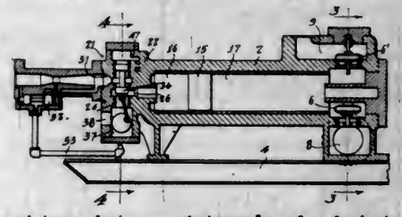
2,186,967
REPAIRED RAILROAD RAIL
Harry S. George, New York, N. Y.
Original application November 10, 1936, Serial No. 110,045. Divided and this application February 9, 1938, Serial No. 189,484
12 Claims. (Cl. 238—148)



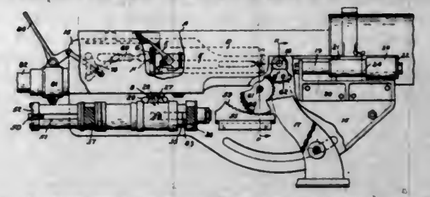
1. In combination, a railway rail having a battered end portion thereof depressed below the general tread level, and a single causeway strip extending substantially longitudinally over a portion of the battered end area and above the level of the laterally adjacent battered surface and integrally united with the battered end portion of the rail by welding, said strip being of sufficient width to take the wear and weight of railway wheels passing thereover, but of substantially less width than the rail head throughout at least the major portion of the length of the strip whereby the heat employed in the uniting of said strip to said rail may be controlled to permit the strip to cool rapidly enough to cause the strip metal when cooled to be more resistant to plastic deformation than the rail metal, but slowly enough to cause the strip metal when cooled to be non-brittle, and being composed throughout of metal which is more resistant to plastic deformation than the rail metal.

2,186,968
PUMPING APPARATUS
Herbert E. Grau, Vernon, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application July 18, 1938, Serial No. 219,805
1 Claim. (Cl. 103—52)

Hydraulic pumping apparatus comprising a plurality of cylinders, a floating piston reciprocable in each cylinder, said pistons being freely reciprocable solely in response to differences in pressure on opposite sides thereof, a common source of motive liquid at relatively high pressure, valve means for alternately admitting and exhausting said motive liquid in predetermined sequence to and from each of said cylinders on one side of their respective pistons, to move the latter in one direction and permit their return, a common source of pump liquid at relatively low pressure, valve means for admitting said pump liquid to said cylinders on the opposite sides of said pistons between intervals of admission of motive liquid, to move said pistons in the opposite direction, and valve means for discharging pump liquid from said cylinders in response to movement of said pistons in said one direction.



2,186,969
MACHINE GUN STRUCTURE
Samuel G. Green, Gray, Ga.
Application June 29, 1938, Serial No. 216,518
17 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A support, a gun frame mounted on the support for recoil and counterrecoil movement and having a normal in battery position, a breech bolt mounted within the gun frame for recoil and counterrecoil movement relative thereto and having a normal in battery position, said gun frame and bolt having different lengths of recoil, a sear on the bolt, sear tripping means on the gun frame including a trigger and a slide reciprocal with respect to the gun frame and trigger with each shot for actuating the trigger, said sear and sear tripping means having a firing relationship for first shot firing when the gun frame and bolt are in their in battery position and having a firing relationship for automatic firing when the gun frame and bolt are approximately similar distances in rear of their in battery positions, which automatic firing relationship is sufficiently to the rear so that the gun frame and bolt will receive the impulse of the shot before reaching their in battery positions, means for moving and holding the sear tripping means out of the path of the sear when these members are in rear of their position of automatic firing relationship, and means carried by the support for moving the sear tripping means when the gun frame and bolt are in battery and subsequently during automatic firing.

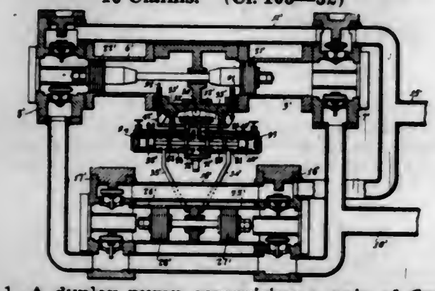
7. In a mount for guns, a support, a cradle trunnioned thereon for movement in elevation, a tube fixed on the cradle, a recoil slide comprising a large cylinder mounted on the outside of the tube and a small cylinder mounted within the tube, an adjusting plug in the small cylinder, an adjustable plug within the tube, an outer spring confined between the adjustable plug and the small cylinder, an inner spring having one end seated on the adjusting plug, a movable seat

for the other end of the inner spring and means operable on elevation of the cradle for varying the position of the movable seat.

2,186,970
PUMPING APPARATUS

Allen E. Hambly, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application July 18, 1938, Serial No. 219,800
10 Claims. (Cl. 103—52)

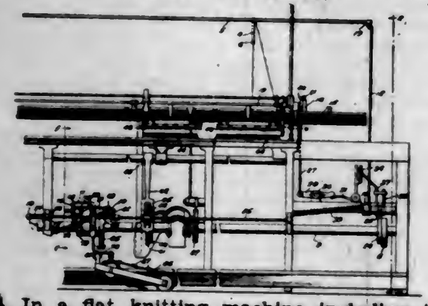


1. A duplex pump comprising a pair of fluid-actuated reciprocating pump units, each comprising a pair of cylinders and a pair of interconnected pistons in said cylinders, each pair of pistons having two oppositely directed faces constituting motor elements exposed to motive fluid in motive-fluid ends of said cylinders, and two oppositely directed faces constituting pumping elements and exposed to pump liquid in pump-liquid ends of said cylinders, the pump-liquid ends of said cylinders having valye inlets and outlets connected to common suction and discharge conduits respectively, whereby the pumping faces of said pistons draw in and discharge pump liquid in response to reciprocation of said pistons, separate motive-fluid valve means for each unit operable to admit motive fluid to either motive fluid cylinder end of that unit and exhaust motive fluid from the other motive fluid cylinder end to move the pistons of that unit in either direction, the two valve means associated with said two units being interconnected to produce alternate actuation of the units in synchronism, but out of phase with each other, and valve-actuating means operated by the piston means of only one of said units at predetermined points in the pumping cycle of said one unit.

2,186,971
FLAT KNITTING MACHINE

Leroy B. Herb, Wyomissing, and Richard H. Scheer, New Holland, Pa., assignors to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania

Application March 8, 1938, Serial No. 194,684
7 Claims. (Cl. 66—96)

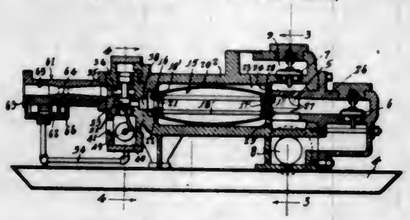


4. In a flat knitting machine including the usual needle bar actuating lever and the unitarily revoluble narrowing and working cams selectively cooperable with said lever, drop stitch mechanism comprising means for making said lever responsive to the successive dominant elevations of both said cams during the same revolution of the cam shaft whereby the needle bar shall be in its normal working position and away from the loop transfer level when the normal loop shedding function of the narrowing operation takes place.

2,186,972
PUMPING APPARATUS

Aladar Hollander and Waldemar F. Mayer, Los Angeles, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application July 18, 1938, Serial No. 219,804
9 Claims. (Cl. 103—152)



1. Hydraulic pumping apparatus comprising a plurality of cylinders, diaphragm means in each of said cylinders dividing the latter into motive liquid and pump liquid compartments, a common source of motive liquid under pressure, valve means for alternately admitting motive liquid from said source to the motive liquid compartments of said cylinders and exhausting spent motive liquid therefrom to cause displacement of said diaphragms alternately in opposite directions, said valve means controlling the flow of motive liquid to and from said cylinders in predetermined sequence, and pump liquid inlet and discharge valve means controlling the flow of pump liquid to and from the pump liquid compartments of said cylinders in response to movements of the diaphragm, and means for actuating said motive liquid valve means solely by motive liquid independently of movements of said diaphragms.

2,186,973
CONTAINER

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 2, 1936, Serial No. 88,660
9 Claims. (Cl. 229—23)



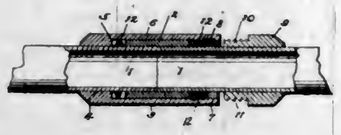
1. A fibre container comprising a body member having an opening element, the latter being secured by means of adhesive to said body member and providing a sealed joint, said adhesive being interposed between the engaged parts in a restricted zone, and a score line formed in each of said engaged parts and located adjacent a marginal edge of the adhesive to constitute a barrier which prevents spreading of the tearing area into said body member and said opening element when the sealed joint is broken as when opening the container.

8. A fibre container comprising a tubular body member including a cover portion having a flap overlapping and adhesively secured to an adjacent wall of said body member to provide a sealed joint, and transverse score lines disposed in said cover portion adjacent the opposite ends thereof to set off and define opposite edges of said cover portion, said score lines being adapted to be ruptured after the sealed joint is broken by raising said flap to permit the cover portion to be hinged outwardly relative to said body member, said body member having end wall members provided with flanged portions interindented with and permanently secured to said body member to reenforce the latter against strains when the adjacent score lines are ruptured to release said cover portion.

2,186,974
PIPE, TUBING, AND CONDUIT COUPLING

James N. Ice, Wheeling, W. Va., assignor to a trusteeship of James N. Ice, Alexander Best, and Samuel K. Frank, all of Wheeling, W. Va., as trustees

Application June 10, 1938, Serial No. 213,060
2 Claims. (Cl. 285—126)



1. A combined sealing and locking coupling for connecting the meeting ends of tubular conduits, comprising a sleeve slidably embracing and overlying the joint of the meeting ends of the conduits coupling members designed for threaded connection, and locking pairs of rings of concavo-convex section arranged in contact with their concaved faces adjacent, said locking rings normally equalling the transverse dimension of the space between the coupling members and the conduit sections, the coupling movement between the coupling members serving to flatten the rings between the sleeve and coupling members to force the edges of the rings into biting contact into the material of the coupling members and the conduit sections.

2,186,975
CRYSTALLINE CALCIUM LACTOBIONATE CALCIUM BROMIDE AND PROCESS FOR MAKING THE SAME

Horace S. Isbell, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce

No Drawing. Application April 10, 1933, Serial No. 665,344
8 Claims. (Cl. 260—535)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A crystalline double salt of calcium lactobionate and calcium bromide, the analysis of which, corresponds to the formula:

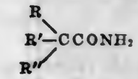
$$Ca(C_{12}H_{21}O_{12})_2 \cdot CaBr_2 \cdot 6H_2O$$

2,186,976
TRIALKYLACETAMIDES HAVING SATURATED ALKYL GROUPS AND A METHOD OF MAKING THE SAME

Karl Junkmann, Berlin, and Hans-Georg Allardt, Philippsthal, Kreis Teltow, Germany, assignors to Schering Aktiengesellschaft, a corporation of Germany

No Drawing. Application January 8, 1937, Serial No. 119,658. In Germany August 16, 1934
10 Claims. (Cl. 260—561)

4. A trialkylacetamide of strong spasmolytic action, having at least 12 and at most 17 carbon atoms in the molecule, of the general formula:

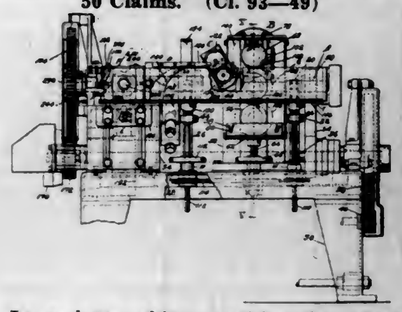


in which R, R' and R'' indicate saturated alkyl groups all higher than methyl, at least two of such groups having at least four carbon atoms.

2,186,977
BOX MAKING

Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts

Application July 13, 1937, Serial No. 153,400
50 Claims. (Cl. 93—49)

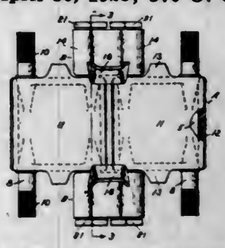


1. In a box-making machine for operating upon blanks having side-wings and corner-laps, a concave curved wall arranged to receive the contact of the free ends of opposite corner-laps of a blank the side-wings of which have been brought into substantially parallel relation, such contact folding said corner-laps toward alinement with each other.

2,186,978
VEHICLE TRACK CHAIN

Harry A. Knox, Washington, D. C.

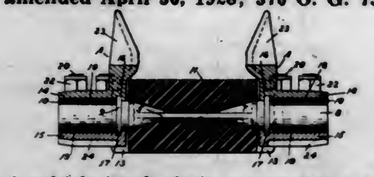
Application September 20, 1937, Serial No. 164,744
9 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vehicle track chain comprising a series of

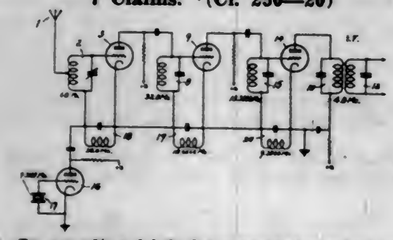
spaced shoes, each shoe consisting of a metallic plate having a laterally projecting link pin at each of the four corners and integral therewith, said pins formed with serrations, a block of rubber-like material on each face of the plate, end and side pieces of rubber-like material connecting the blocks, a link having a pair of bearings for connecting adjacent pins of adjacent shoes, a bushing in each bearing consisting of an inner metallic sleeve having serrations interengaging the serrations of a link pin and an outer sleeve of resilient rubber-like material fixed to the inner sleeve and to the bearing and a screw threaded in each link pin and having a head confining the link and bushing.

2,186,979
VEHICLE TRACK CHAIN
Harry A. Knox, Washington, D. C.
Application September 20, 1937, Serial No. 164,745
4 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



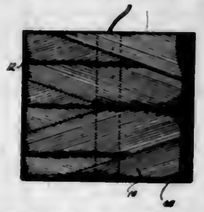
1. A vehicle track chain comprising a series of spaced shoes, each shoe including a plate having a laterally projecting link pin at each of the corners and integral therewith, each link pin having a collar spaced from the plate, a bushing of resilient rubber-like material on each link pin, links for connecting adjacent link pins of adjacent shoes, each link consisting of a pair of plates having grooves for engaging the bushings of adjacent link pins, and having grooves for receiving the collars of adjacent link pins, stud bolts carried by one of the plates and extending through the other plate, and a nut on each bolt for clamping the plates and compressing the bushings on the link pins.

2,186,980
SUPERHETERODYNE SIGNAL RECEIVING SYSTEM
Percival D. Lowell, Chevy Chase, Md.
Application September 24, 1937, Serial No. 165,577
7 Claims. (Cl. 250—20)



1. In an ultra-high frequency superheterodyne radio receiver, in combination, an intermediate frequency amplifier stage of fixed frequency characteristics, and a conversion oscillator circuit including piezo-electric crystal frequency control means, a plurality of output circuits, and means for independently tuning each of said output circuits for establishing different selected harmonic frequencies of oscillation relative to the natural frequency of vibration of the crystal, the natural frequency of vibration of the crystal and the harmonics thereof derived being selected with reference to the radio frequency of the received signal and the fixed frequency of operation of said intermediate frequency amplifier stage in said superheterodyne radio receiver for effecting conversion of the frequency of the received signal to the frequency of intermediate amplification in steps.

2,186,981
DEVICE FOR STABILIZING BINDER TWINE SUPPLY TO HARVESTING MECHANISM
Charles MacKinnon, North Plymouth, Mass., assignor to Plymouth Cordage Company, Plymouth, Mass., a corporation of Massachusetts
Application January 30, 1936, Serial No. 61,504
1 Claim. (Cl. 242—146)



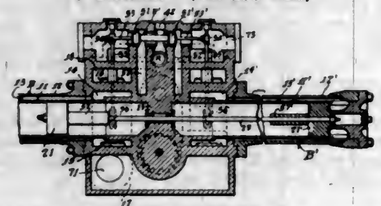
A binder twine stabilizing device, for a ball of binder twine which is normally to be used when standing loose with its axis vertical, in a can in a harvesting machine, said ball being a cylindrical coreless central-draft mass of coarse hard fibre twine compactly wound with helical convolutions of steep pitch; said device comprising a cylindrical sheet of paper closely enwrapping the ball of twine, having its interior surface smoothly free from projections and from frictional or adhesive devices by which it would support the twine in vertical axial direction; said sheet being a barrier acting only sidewise for holding residual undrawn twine convolutions in their mutual relations as originally laid, being a cylindrical paper cup, having its top open, and having a peripheral horizontal bottom folded in and extending perpendicular to the axis and leaving a large central bottom opening; the annular width of said bottom being sufficient to overlie a ball of smaller diameter, and so to support thereon the vertical part of the sheet if that vertical part is of larger diameter than the under ball; the whole combining to maintain the ultimate external convolutions of the upper ball in their original positions relative to each other and relative to the under ball.

2,186,982
SIGN
Irving V. Mansell, Bridgeport, Conn.
Application January 11, 1938, Serial No. 184,442
17 Claims. (Cl. 40—130)



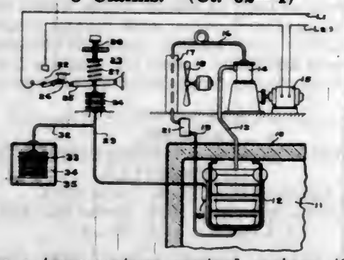
1. A non-shatterable glass face for a sign or the like comprising a sheet of glass to one face of which is secured a fibrous reenforcing sheet by an intermediate layer of non-shatterable adhesive.

2,186,983
PUMPING APPARATUS
Waldemar F. Mayer, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application July 18, 1938, Serial No. 219,802
7 Claims. (Cl. 103—52)



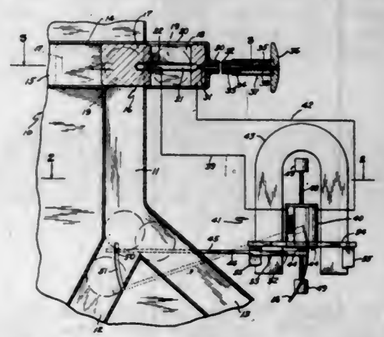
1. Hydraulic pumping apparatus comprising, in combination: a pair of reciprocating piston pump units of the fluid pressure actuated type, common motive liquid inlet and outlet connections and pump liquid inlet and discharge connections to said units, valve means for controlling the flow of motive liquid to and from each of said units to actuate the same, the valve means associated with each unit being actuated in predetermined relation to the piston movement of the other unit whereby each unit pumps during the stroke-reversing period of the other unit to maintain continuous flow of motive and pump liquids, the stroke of one of said units being relatively short in comparison to the stroke of said other unit and of minimum length sufficient only to maintain continuous flow of liquid during instantaneous reversal of the piston of the other unit whereby the idle time of said other unit is minimized.

2,186,984
REFRIGERATING APPARATUS
Graham S. McCloy, East Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1938, Serial No. 203,806
8 Claims. (Cl. 62—4)



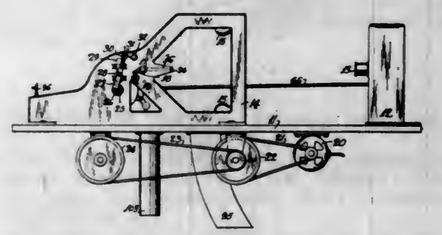
8. In a temperature control system, the combination of means defining a zone whose temperature is to be maintained within predetermined limits, heat transfer apparatus associated with said zone, expansible means for controlling the operation of said heat transfer apparatus, a portion of said expansible means being subjected to the temperature produced by said apparatus, said expansible means containing a volatile fluid whose pressure is a function of the temperature produced by the heat transfer apparatus and also containing a gas whose pressure is substantially unaffected by the temperature produced by the heat transfer apparatus, and means responsive to the temperature of a region exteriorly of said zone for varying the pressure of the gas within the expansible means whereby the relation between the total pressure in the expansible means and the pressure of the volatile fluid therein is varied as the temperature of the region exterior of said zone varies.

2,186,985
SLUG DETECTOR
William C. Mitchell, Stratford, Conn.
Application March 9, 1936, Serial No. 67,826
5 Claims. (Cl. 194—100)



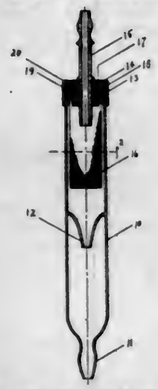
1. In a device of the character described for separating nickel coins from the usual slugs of materially different metal, a coin slot including a pair of paths leading therefrom, an electric meter, means controlled by the meter to determine the path a coin in the slot will take, said means being arranged to normally cause the coin to take one path and when the meter is energized to cause it to take the other path, a member composed of high carbon steel, means arranged for causing a relative wiping action between the member and a coin in the slot, and means for electrically connecting said member and the coin with the meter during the wiping operation.

2,186,986
SHEET FEEDING MACHINE
Alexander W. Nelson, Belleville, N. J.
Application November 18, 1937, Serial No. 175,253
28 Claims. (Cl. 271—39)



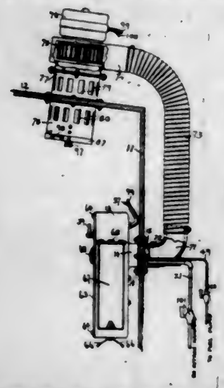
1. In an apparatus for photographically reproducing documents in sheet form, a mechanism including in combination a drawer in which the sheets are stacked on their edge, means for moving the drawer and sheets forward, a fixed bar having a flat face engaging the face of the outer sheet at its lower end and to take up the pressure of the drawer, a pad for releasing the outer sheet from said fixed bar, an exposure table for the document said pad moving the released sheet by friction forward to the exposure table.

2,186,987
FILTER FLOW DEVICE
Maurice M. Nesset, Glenview, Ill., assignor to Baxter Laboratories, Inc., Glenview, Ill., a corporation of Delaware
Application August 5, 1938, Serial No. 223,312
6 Claims. (Cl. 210—164)



1. In visual filtering apparatus of the character set forth for blood and other liquids, a transparent tube provided with a drip tube centrally disposed therein whereby a central stream of liquid within the tube is made visible, a filter supported within said tube, inlet and outlet connections for said tube, and means for supporting said filter within said tube whereby all the liquid passing into said tube is caused to pass through said filter.

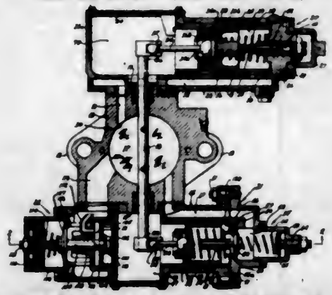
2,186,988
HEATING SYSTEM FOR MOTOR DRIVEN CONVEYANCES
Charles E. Osborne, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 12, 1936, Serial No. 115,477
6 Claims. (Cl. 237—12.3)



2. In a device of the class described, a fuel consuming heating unit enclosed in a suitable case provided with a tubular air intake extension projecting through a hole in the dash of an automobile and serving as the sole support of the said heating unit, a fuel pipe for conveying fuel to the said heating unit extending through said tubular extension and a pipe to carry away the burnt gases from said heating unit extending through said tubular extension.

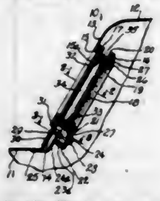
6. In combination with a motor vehicle having a blower and a heating unit located in the path of the exhaust from said blower for supplying the interior of said motor vehicle with heated air, of an inlet passageway for said blower extending through the dash of said vehicle and having two inlet openings in the side thereof and a restricted opening at the end thereof, one of said side openings being exposed to the atmosphere outside of the motor vehicle and the other of said side openings and the end opening being exposed to the air inside said motor vehicle, a valve for determining the proportion of air received through said side openings, a temperature responsive means mounted in said passageway and exposed to the air flow through said end opening for controlling said valve.

2,186,989
ENGINE CONTROL
Karl W. S. Ostling, Los Angeles, Calif., assignor to California Machinery & Supply Co., Ltd., Los Angeles, Calif., a corporation of Delaware
Application February 15, 1938, Serial No. 190,624
14 Claims. (Cl. 123—103)



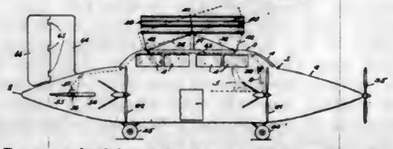
1. In combination with an internal combustion engine, a carbureter and a suction passage connecting the carbureter with the engine, a throttle valve in said passage, an auxiliary valve in the passage at the engine side of the throttle, means actuated by virtue of engine operation under subnormal load at above idling speed to fully close said auxiliary valve, and means responsive to pressure in said suction passage between the throttle and auxiliary valves for causing the auxiliary valve to open from fully closed position.

2,186,990
DOUBLE WINDOW CONSTRUCTION FOR AUTOMOBILES
Pompeo Pieri, New York, N. Y.
Application March 1, 1938, Serial No. 193,251
5 Claims. (Cl. 98—2)



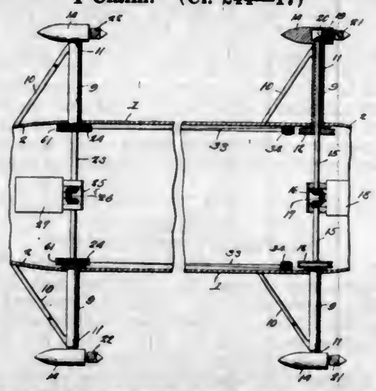
1. A device including an automobile window having a main outer pane, a secondary inner pane, means pivotally mounting the latter at its upper edge for movement toward and away from the main pane, and elastic means to maintain the panes substantially uniformly spaced apart, including a sheet member of pliable material lying with its width at an angle to the panes to form a marginal wall for substantially enclosing the space between the panes, so that the secondary pane is movable pivotally outward under impact.

2,186,991
DRAFT CHECK AND CONTROL
John B. Reinhard and Lynn J. Koch, Allentown, Pa.; said Reinhard assignor to said Koch
Application December 9, 1937, Serial No. 179,012
2 Claims. (Cl. 244—113)



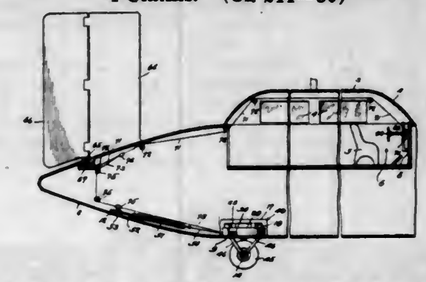
1. In an airship, a body, a shaft supported for rotation on the body and under the control of an operator, a drum carried by the shaft, rear rudders mounted for vertical swinging movement on the sides of the body, pulleys connected to the inner ends of the rudders, double run flexible elements connected to the drum and looped about the pulleys, means for guiding the intermediate portions of the flexible elements, an inverted trough shaped draft check pivotally mounted on top of the body and tiltable longitudinally of the body, second flexible elements having their ends connected to the end portions of the draft check, means on the body for guiding the intermediate portions of the second flexible elements, and means for connecting the intermediate portions of each of the first-specified flexible elements with one run of the double run flexible elements, thereby to secure consonant operation of the draft check and the rudders.

2,186,992
PROPELLER CONNECTION AND CONTROL
John B. Reinhard and Lynn J. Koch, Allentown, Pa.; said Reinhard assignor to said Koch
Application December 29, 1937, Serial No. 182,338
1 Claim. (Cl. 244—17)



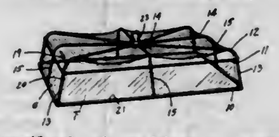
In an airship, a body, a platform in the body, a support located adjacent to the forward end of the platform and disposed substantially at right angles thereto, front and rear bearings at opposite sides of the body, front and rear first hollow shafts journaled in the bearings, front and rear second shafts journaled in the corresponding first shafts, propellers carried at the outer ends of the first shafts and rotatable about axes parallel to the line of flight, means for driving the propellers from the second shafts, rotatable members journaled in the support and under the control of an operator on the platform, pulleys on the inner ends of the front second shafts, pulleys on the inner ends of the rear second shafts, all of said pulleys being disposed below the platform, flexible elements looped about one of the rotatable members and about the pulleys of the front second shafts, other flexible elements looped about the other of the rotatable members and about the pulleys of the rear second shafts, direction changing idlers leading all of the flexible elements outwardly toward the sides of the body and downwardly below the platform, and direction changing idlers leading said other flexible elements rearwardly below the platform.

2,186,993
LANDING GEAR AND CONTROL
John B. Reinhard and Lynn J. Koch, Allentown, Pa.; said Reinhard assignor to said Koch
Application December 29, 1937, Serial No. 182,339
4 Claims. (Cl. 244—50)



1. In a device of the class described, a body, parallel upstanding first arches secured at their lower ends to the body, parallel second arches disposed at right angles to the first arches and secured at their lower ends to the body, the second arches extending beneath the first arches, means for connecting together the crowns of the arches, a casing secured within the arches and having a lower flange, a race member secured to the upper portion of the casing member, a shaft carried by the race member, a rotatable member journaled on the shaft and having a flange extended above the lower flange of the casing, means for rotating the rotatable member, antifriction devices between the race member and the rotatable member, landing wheels, and means for mounting the landing wheels on the rotatable member.

2,186,994
PROCESS OF MAKING A FOOD DISPLAY COVER
Arthur E. Rouse, Indianapolis, Ind., assignor, by mesne assignments, to Food Display Cover Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application October 2, 1936, Serial No. 103,714
2 Claims. (Cl. 93—1)



1. The method of making a sanitary cover, comprising an open frame, consisting in applying to said frame a sheet of material capable of being shrunk below its normal size by heat and a size

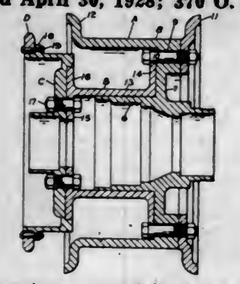
initially greater than the area of said frame, engaging the edges of said sheet around the perimeter of the frame and cementing the said edges thereto, and finally subjecting the frame and its sheet to a temperature sufficient only to shrink the sheet evenly in all directions without distortion of the frame.

2,186,995
CATALYTIC MATERIAL FOR LIGHTERS
George Philip Schmitt, New York, N. Y., assignor, by mesne assignments, to Cardinal Products, Inc., a corporation of New York
Application September 11, 1936, Serial No. 100,297
4 Claims. (Cl. 67—7)



2. A catalyst unit for a lighter of the flameless type comprising a plurality of blocks of catalytic material separated by channels, the channels extending substantially throughout the depth of the unit and providing passages therethrough for the vapor to pass to the upper faces thereof, said blocks being adjacently arranged with respect to each other and each extending substantially the depth of said unit, and a holder for said blocks retaining the same in said relation.

2,186,996
WHEEL STRUCTURE
Walter C. Short, Fort Hamilton, N. Y., and Robert G. Howie and Melvin C. Wiley, Fort Benning, Ga.
Application January 23, 1939, Serial No. 252,413
1 Claim. (Cl. 301—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A wheel structure comprising a wheel including a hub and rim and a connecting disk, a cylindrical adapter mounted on the hub and having an external flange on one end, means passing through the connecting disk and said flange to hold the adapter in place, an internal and external flange on the other end of the adapter, a brake drum facing on the internal and external flanges of said other end, means passing through the internal flange and the brake drum to hold the brake drum in place, and a sprocket carried by the brake drum.

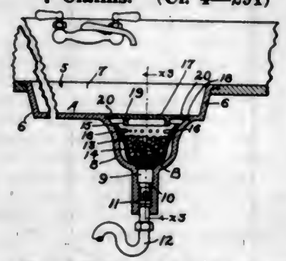
2,186,997
FILE AND ATTACHMENT THEREFOR
Louis Stark, Brooklyn, N. Y., assignor to Kastar, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1938, Serial No. 208,383
7 Claims. (Cl. 29—76)

1. The combination, with a file, of a support therefor having a portion extending in one direction along the abrading surface of the file and provided with an aperture, and another portion extending in the opposite direction longitudinally parallel to the abrading surface of the file, said latter portion having an elongated slot, a saddle member straddling the file, a set screw



extending through said elongated slot and through said saddle member for securing said member to the file, whereby the operative portion of the abrading surface of the file, when worn, may be broken off and discarded, and another portion brought into abrading position by movement of the set screw and said saddle member longitudinally of the file.

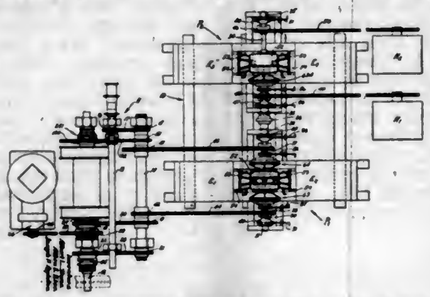
2,186,998
KITCHEN SINK
Rose Stein, Los Angeles, Calif.
Application June 6, 1938, Serial No. 211,988
7 Claims. (Cl. 4—291)



1. A sanitary kitchen sink of the character disclosed in which garbage may be temporarily retained comprising a basin having an upstanding peripheral wall and a bottom, said bottom having a relatively deep and capacious bowl-like recess at one portion thereof, the wall of said recess being perforated for communication with a trap, a perforated straining receptacle seated in said recess and adapted to pass the liquid of its contents through the perforations of said recess wall and a perforated straining closure member seated to cover said recess and its contents; said closure member comprising a reversible plate having an endless wall disposed inwardly of its marginal periphery to form a catch basin, and having its perforations disposed outwardly of said wall.

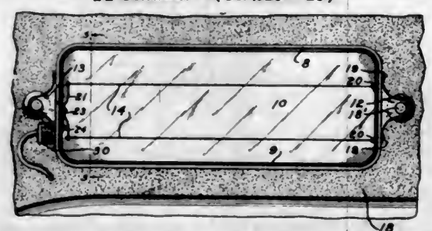
2,186,999
OIL FIELD POWER PLANT
Albert L. Stone and Allen E. Rice, Palos Verdes Estates, and Joseph H. Appleton, Los Angeles, Calif., assignors to Hydril Company, Los Angeles, Calif., a corporation of California
Application December 22, 1937, Serial No. 181,140
3 Claims. (Cl. 74—389)

1. A power unit including a line shaft, a pair of engines, a pair of pinions, a pair of drive connections extending, one each, between the power shafts of the engines and the pinions, the extended axes of the pinions crossing the line shaft axis at points spaced longitudinally thereof, a clutch interposed in one of said drive connections, a pair of gears rotatable about the line shaft and meshing, one each, with said pinions at corresponding sides of the pinions, a drive connection between said gears, a clutch drive connection between one of said gears and said line shaft, a third gear rotatable about the line shaft and meshing with one of said pinions at the side



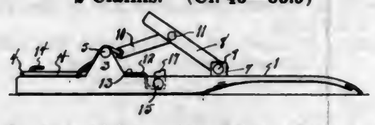
opposite that meshed by one of the pair of gears, and a clutch drive connection between said third gear and said line shaft.

2,187,000
FROST SHIELD
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application December 28, 1933, Serial No. 704,215
14 Claims. (Cl. 219—19)



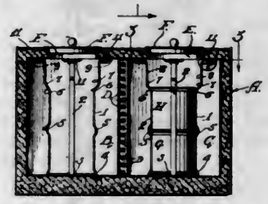
8. In combination, a continuous rigid outer band, a continuous flexible seal provided with a projection confined within said band and having an inner groove and a continuous flexible lip projecting outwardly laterally of said band, a transparent sheet coacting with said groove to hold said seal within said band, and heating means disposed within said seal closely adjacent to said sheet.

2,187,001
ANIMAL TRAP
William A. Uttz, Sr., Fort Worth, Tex., assignor to H. L. Collins, Sr., Fort Worth, Tex.
Application October 17, 1938, Serial No. 235,464
2 Claims. (Cl. 43—83.5)



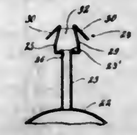
1. An animal trap comprising a base, a spring actuated jaw pivotally supported on the base, toggle means pivotally connected to the jaw and to the base, trigger and bait holding means pivotally connected to the base and having a portion thereof positioned in the path of movement of the toggle means, said toggle means being so constructed and arranged that movement thereof in one direction only will effect contact and bait holding means to raise the same and the jaw to set position and maintain the jaw and trigger in such position solely by overhead contact of the toggle means with the trigger.

2,187,002
ICE CREAM CABINET
Samuel B. Ward, Chester Heights, Pa., assignor to H. H. Ward Company, Chester, Pa., a corporation of Pennsylvania
Application October 13, 1937, Serial No. 168,709
6 Claims. (Cl. 312—172)



1. In an ice cream cabinet having an apertured top and means forming sockets around said aperture, a container rack having members provided with rigid zigzag catches at their upper ends and extending transversely thereto and engaged in said sockets.

2,187,003
BURNER
Stamford White, Greenwich, Conn.
Application February 9, 1938, Serial No. 189,548
7 Claims. (Cl. 67—53)

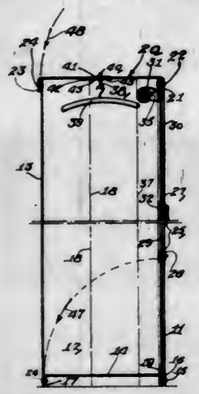


2. In a flame burner, a fuel holder, an elongated pan supported by said holder, a wick for supplying fuel to said pan, means for directing air to the flame comprising side plates located a substantial distance above said pan, the plates being inclined downwardly and outwardly and terminating above the bottom of the pan and being spaced apart throughout their length at the top a distance less than the width of the pan and substantially greater than the width of the wick, the space between the pan and plates being unobstructed for substantially the length of the plates and said space being of a width sufficient to permit the passage of ignited vapor around the bottom of the plate when the burner is tilted.

2,187,004
COLLAPSIBLE WARDROBE CABINET
John L. Wolf, Philadelphia, Pa.
Application November 9, 1938, Serial No. 239,694
2 Claims. (Cl. 312—144)

2. A wardrobe cabinet including a front panel having a framed opening for providing access to the interior of said cabinet, a rear panel, opposite side panels, a bottom panel and a top panel, said framed opening being provided with a transversely flexible closure curtain slidable within grooves vertically disposed along elements of the frame defining said access opening, said curtain being mounted upon a spring-wound roller generally permanently secured to the cabinet in proximity to the upper inner portion of said front panel, and joint curtain-guiding and roller-supporting means for simultaneously guiding said slidable closure curtain into and out of said grooves and for operatively supporting said roller, comprising a guide bar traversing the upper end

of said access opening and having rearwardly bent portions for supporting therebetween said



spring-wound curtain roller, said guide bar being operatively secured to said frame.

2,187,005
METHOD OF MAKING SHOE STIFFENERS
Richard Almy, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application December 2, 1935, Serial No. 52,542
3 Claims. (Cl. 91—68)

1. In the method of making shoe stiffeners, the step of impregnating a readily permeable fibrous web with a water emulsion of minute drops of a solution of cellulose ester in a solvent therefor, the solvent being soluble to some extent in water and having a lower boiling point than water and the water comprising about one-third of the emulsion, and allowing the exhaustion of the solvent to cause deposition of the ester on and within the body of the web in the form of minute, discrete solid particles.

2,187,006
POLYMERIZATION OF EPOXY COMPOUNDS
Alfonso M. Alvarado and Harold S. Holt, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1937, Serial No. 167,472
15 Claims. (Cl. 260—2)

1. A process for making polymers which comprises heating an epoxy compound in which an oxygen atom is linked to an aliphatic hydrocarbon radical with an acid-washed catalyst of the class consisting of active earths and active clays.

2,187,007
RELEASABLE CABLE HEAD
Charles H. Barnes, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application March 29, 1938, Serial No. 198,677
5 Claims. (Cl. 24—115)

1. In a cable head adapted to connect a cable with a well tool; a case adapted to be secured to the well tool; an enlargement at the end of the cable fitting in said case; means releasable upon exerting a predetermined tension between said cable and case to permit separation of the cable and case; and drag means retained on said cable



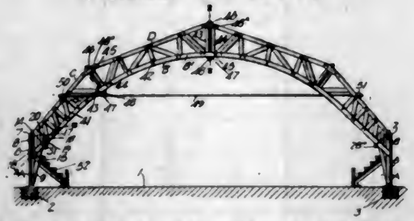
for retarding movement thereof upon being released.

2,187,008
HYDRAULIC VALVE LIFTER
Ernest W. Baxter, Van Wert, Ohio
Application February 10, 1936, Serial No. 63,188
Renewed June 9, 1939
10 Claims. (Cl. 123—90)



1. A self contained hydraulic valve lifter, comprising a sealed rigid casing having a flexible wall, a bodily movable means in said casing defining a pair of closed chambers in said casing, one way valve means for admitting fluid from one of said chambers to the other, a liquid completely filling all space within the confines of the casing not occupied by solid material, and means for maintaining said flexible wall in contact with said liquid at all times.

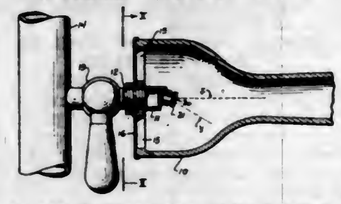
2,187,009
WOODEN TRUSS FOR ROOFS
William Cockburn Beattie, Preston, Ontario, Canada, assignor to N. O. Hipel, Limited, Preston, Ontario, Canada, a company duly incorporated under Joint Stock Companies Act of the Province of Ontario
Application January 30, 1939, Serial No. 253,490
In Canada February 1, 1938
2 Claims. (Cl. 108—23)



1. In a building construction as described, the combination with the opposing side supports of a building and a roof supporting structure normally

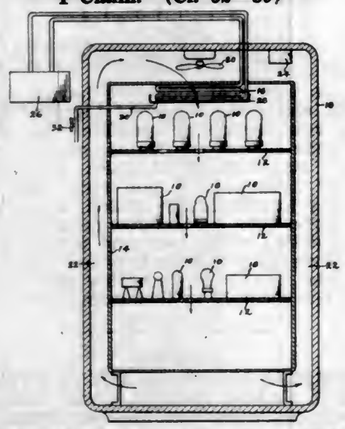
exerting outward pressure at the side supports and including an arch carried at its ends on the side supports and forming the lower chord of the structure and an upper chord formed by upper and lower members carried by the arch, of a tension member extending transversely of the arch and tying the lower members of the upper chord together and on which, adjacent its ends, the lower members of the upper chord fulcrum whereby such lower members tend to swing inward at their lower ends when subjected at their upper ends to outward pressure either due to the dead load in or wind load on the roof structure to neutralize the normal outward pressure at the side supports.

2,187,010
GAS BURNER
Philip E. Beckman and Maurice A. Richford, San Francisco, Calif.
Application July 20, 1938, Serial No. 220,317
6 Claims. (Cl. 158—118)



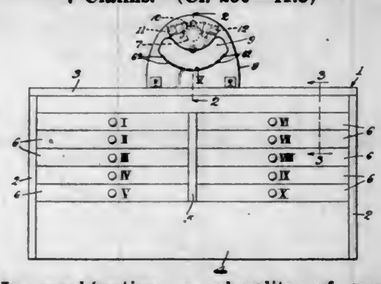
1. In a gas burner assembly having a gas orifice cap for projecting a stream of gas through a venturi-shaped mixing chamber whereby a flow of air will be induced in said chamber, a plug rotatably fitted in said cap at an angle to the longitudinal axis thereof, said plug having an orifice extending therethrough at angle to its axis of rotation whereby rotation of the plug will vary the direction of the stream of gas.

2,187,011
COOLING MEANS FOR AN ELECTRICAL APPARATUS
Paul F. Braden, Dayton, Ohio
Application March 13, 1937, Serial No. 130,732
1 Claim. (Cl. 62—89)



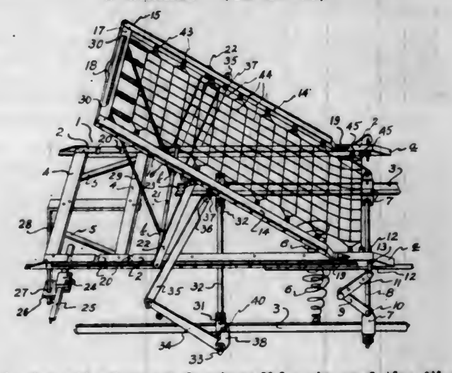
A refrigerator for use in cooling articles to be cooled, said refrigerator including a heat insulated cabinet, a shell including side, bottom and top walls mounted within the cabinet, said shell in its entirety being arranged in spaced relation to the corresponding walls of the cabinet so as to provide an air chamber between the shell and the cabinet, said shell having air passage openings in the top and in the bottom thereof, shelves mounted within the shell for supporting the articles to be cooled; a cooling coil associated with the top of the shell and located within the cabinet for cooling the air circulating down through the shell and returning around the shell so as to maintain a lower temperature within the shell than the temperature of the air in the chamber found between the shell and the cabinet, means arranged to collect moisture condensing on said cooling coil and interposed between the cooling coil and the uppermost shelf and means for conducting the condensate from said collecting means to a point outside said cabinet.

2,187,012
LIGHT-CONTROLLED ACTUATING DEVICE
Edward Brenner, Chicago, Ill.
Application January 19, 1937, Serial No. 121,241
7 Claims. (Cl. 250—41.5)



6. In combination, a plurality of movable members, motor means for moving them, actuating connections between said motor means and said movable members effective to move them individually, said driving connections being normally inoperative, a photosensitive member, a plurality of light sources adapted to direct light against said photosensitive members, one of said light sources being associated with each said movable member, and means for actuating the driving connection for the movable member the light source associated with which is masked.

2,187,013
INVALID APPLIANCE FOR BEDS AND COTS
Lawrence H. Burns, Waco, Tex.
Application January 3, 1938, Serial No. 183,113
5 Claims. (Cl. 5—77)



1. An attachment for invalid cots and the like

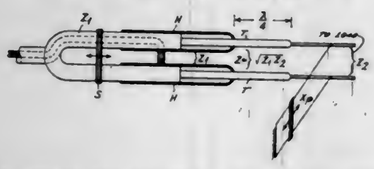
comprising a pair of rails, a pair of longitudinal frame members above the said rails, a cross member rigidly connecting the head ends of the said rails, a cross member secured between the head ends of the said frame members, hinges attaching the other ends of the said frame members and the said rails, brackets adapted to be attached to the side rails of the said cot, a spacing rod connecting the said brackets, arms journalled to the upper ends of the said brackets, links pivotally connected to the said arms, means pivotally connecting the said links to the first named rails, a pawl pivoted on the said frame members and adjustably engaging the first named rails, and patient supporting means connected between the longitudinal frame members.

2,187,014

ANTENNA TRANSFORMER

Werner Buschbeck and Hans Jakob Ritter von Baeyer, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 12, 1938, Serial No. 195,480
In Germany March 13, 1937
10 Claims. (Cl. 178—44)



1. A device for coupling together a concentric conductor feeder line having an outer sheath and an inner conductor and a symmetrical load comprising an auxiliary conductor having one end placed adjacent the end of the feeder line and connected to said inner conductor and having the other end connected to the outer sheath of said feeder line, the length of said auxiliary conductor being greater than a quarter of the length of the longest wave with which the device is to be operated and an adjustable short-circuiting slide connecting said auxiliary conductor and said sheath whereby the length of said auxiliary conductor between said slide and said inner conductor may be adjusted to one-quarter of the length of the operating wave.

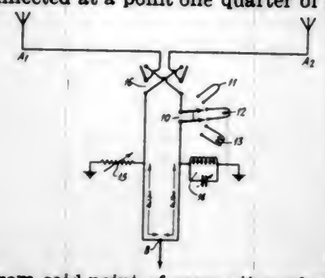
2,187,015

DIRECTIONAL AERIAL SYSTEM

Edward Cecil Cork, Ealing, London, and Joseph Lade Pawsey, Hillingdon, England, assignors to Electric & Musical Industries Limited, a British company

Application June 18, 1938, Serial No. 214,436
In Great Britain June 26, 1937
3 Claims. (Cl. 250—11)

1. A directional aerial system including two aerials, an aerial lead connected to each aerial, a common channel coupling said leads to a transducer, means connected to one of said leads for varying the phase of signals therein with respect to signals in the other lead and means in the other of said leads for varying the amplitude of signals therein with respect to the signals in said first lead, said first means comprising an inductance and a capacity connected in parallel and connected to a point in said aerial lead one quarter of a wavelength from the point of connection of said leads to said common channel and said second means comprising a variable resistance connected at a point one quarter of a wave-



length from said point of connection of said lead to said common channel.

2,187,016

PROCESS OF TREATING GROUND WOOD

Kenneth A. Craig, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

No Drawing. Application April 19, 1939, Serial No. 268,759
10 Claims. (Cl. 8—104)

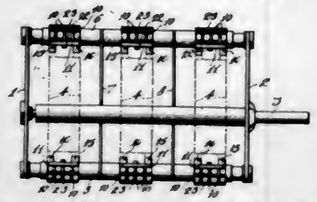
1. The process of treating ground wood particularly adaptable for use in the paper-making art which comprises subjecting ground wood to the action of an alkaline peroxide bath and then subjecting the peroxide treated ground wood to an acid sulphite bath.

2,187,017

ELECTRICAL CONDENSER

Stanley S. Cramer, Haddon Heights, N. J., assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey

Application December 11, 1937, Serial No. 179,227
13 Claims. (Cl. 175—41.5)



1. In an electrical condenser having a frame including end plates fastened together in non-warping relationship by metallic rods disposed one on each side of the frame; means for supporting a stator group of plates, anchored together by tiebars, from said rods, said means comprising longitudinally spaced, arcuately arranged formations in the outer periphery of said rods, insulating strips carrying terminal plates having parts adapted to be fastened to said stator tiebars, and means for anchoring said insulators directly and securely to said formations.

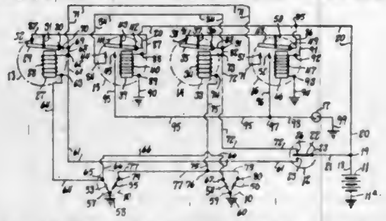
2,187,018

AUTOMATIC LIGHT-SELECTOR SYSTEM

William R. Curtiss, Meriden, Conn., assignor to Air Devices Corporation, Meriden, Conn., a corporation

Application August 1, 1938, Serial No. 222,460
12 Claims. (Cl. 171—97)

11. An automatic light-selector system for head-lamps comprising: a source of current-supply normally-open light-circuits for connecting the current-supply with the headlamps, each including a filament located in each of two separated headlamps; self-acting change-over mechanism arranged to continuously maintain the respective light-circuits electrically-independent and including a single change-over relay for each electrically-independent light-circuit, and pilot-relays each having a coil and armature in circuit with one of the electrically-independent light-circuits, the armature and normally engaged contact-means of each pilot-relay comprising part of an operating-circuit for one of the said change-over relays, and each of the change-over relays controlled by a pilot-relay in one of the light-circuits having an armature in circuit with a portion of a different one of the electrically-independent light-circuits and contact-means comprising part of another portion of the said differ-



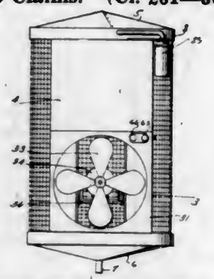
ent one of the light-circuits and normally separated from the armature thereof; a switch manually-operable to selectively close a light-circuit to cause the filaments thereof to become incandescent and to cause the pilot-relay in the said light-circuit to open-circuit the change-over relay controlled thereby; one of the said pilot-relays being responsive to failure of a filament in a first, selectively operated light-circuit for causing the armature and contact-means thereof to reclose the operating-circuit for the change-over relay for a second light-circuit, the said operating-circuit being electrically-independent of the said light-circuit and the armature and contact-means of the thereby operated change-over relay operating to automatically close the second electrically-independent light-circuit and cause the filaments thereof in each of the headlamps to become incandescent.

2,187,019

EVAPORATIVE AIR COOLER

Charles W. De Mund and Lester D. De Mund, Phoenix, Ariz.

Application September 7, 1938, Serial No. 228,724
9 Claims. (Cl. 261—30)



1. An evaporative cooler comprising a cylindrical evaporative element, having a longitudinally extending rectangular opening, a transition piece adapted to fit within the rectangular opening in said evaporative element in such a manner that said fan box may be turned end for end relative to said evaporative element, a fan box element attached near one end of said transition piece.

2,187,020

BICYCLE FRAME AND METHOD OF MAKING SAME

John H. Dunn, Springdale, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 4, 1937, Serial No. 167,197
4 Claims. (Cl. 29—176)



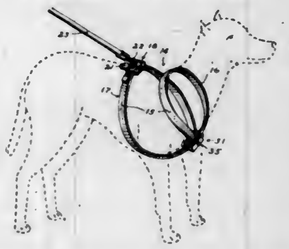
1. The method of constructing a bicycle frame which comprises forming a section consisting of a pair of parallel members having a web therebetween, said members and web being in one piece, removing a part of said web and spreading the members to provide a rear wheel receiving portion in said frame.

2,187,021

ANIMAL HARNESS

John L. Everson, Oakland, Calif.

Application January 23, 1939, Serial No. 252,368
8 Claims. (Cl. 119—96)



1. An animal leash harness comprising a single strap of flexible material shaped on an animal to form collar and body loops extending from a common lower point of the loops and relatively free at their tops, and a buckle means releasably securing the strap ends together at the top of a said loop and providing a leash connection thereat.

2,187,022

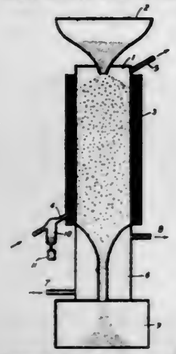
METHOD OF TREATING LUMINESCENT MATERIALS

Werner Flechsig, Berlin-Charlottenburg, Germany, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany, a company of Germany

Application July 3, 1939, Serial No. 282,743
In Germany June 23, 1938
7 Claims. (Cl. 250—81)
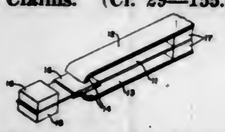
1. The method of treating a fluorescent or phosphorescent material in finely divided form to increase its luminescent property, which comprises the steps of passing said material in said finely divided form into a zone containing gas, maintaining the gas in the upper part of said zone in a relatively hot state, maintaining the gas in the lower portion of said zone in a relatively cold state, permitting said particles to fall through said portions of said zone in succession, and utilizing movement of the molecules of said gas to prevent said particles from coming in con-

tact and adhering to each other until after their temperature has been lowered to a point where



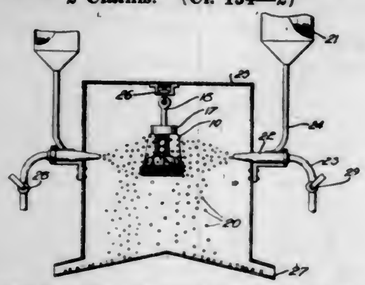
they can no longer bake together, whereby said finely divided form is maintained.

2,187,023
SPRING CONTACT
Fred Forsman, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 10, 1937, Serial No. 163,193
3 Claims. (Cl. 29—155.55)



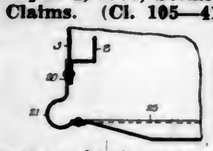
1. In an electrical contact assembly, a flexible contact blade, a contact member, means engaging said blade and member at one end thereof for clamping them in superposed and insulated relation, means secured to said blade at the other end thereof to which a thrusting force may be applied for thrusting said blade toward said member, and a sheath contact portion on said blade adjacent to said thrust receiving means for engagement with said contact member comprising an annular section collapsed to conform cross-sectionally and pressed to effect frictional adherence to said blade.

2,187,024
METHOD OF COMPACTING ARTICLES
Fred D. Fowler, Newton, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application June 15, 1938, Serial No. 213,852
2 Claims. (Cl. 154—2)



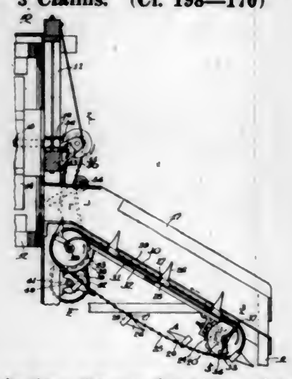
1. The method of compacting an assembled article of flexible material comprising an exposed layer of unvulcanized rubber-like material without injurious marking or scarring of the exposed surface of said layer, said method comprising applying pressure to such layer by a multiplicity of blows directed against the exposed surface of said layer and transmitted through said layer to underlying layers, said blows being effected by bombarding such surface layer with pellets.

2,187,025
END WALL FOR RAILWAY CARS
Garth G. Gilpin, Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 1, 1937, Serial No. 134,210
4 Claims. (Cl. 105—410)



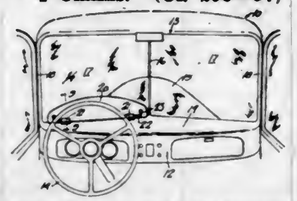
1. In a railway car having spaced apart corner posts and a side wall secured to each post in combination with a flexible extension plate secured to each side wall and having a portion extending therebeyond, and a metallic end wall sheet extending between and secured to said portions of the extension plates, said sheet formed with a plurality of corrugations which merge into the sheet adjacent said portions the relationship and connection between the flexible extension plate and end wall sheet being such that when the corrugated end sheet deflects under load the corner posts will not be distorted.

2,187,026
FEEDER FOR PEA VINERS
Frank Hamachek, Jr., Kewaunee, Wis., assignor to Frank Hamachek Machine Company, Kewaunee, Wis., a corporation of Wisconsin
Application September 22, 1937, Serial No. 165,120
3 Claims. (Cl. 198—170)



1. In a feeder, the combination of an endless conveyer having feeding and return runs, a shaft for supporting one end of said conveyer, feeding fingers pivotally mounted on said conveyer and free to rotate thereon to any angular position, means for supporting said fingers in feeding position in the feeding run of said conveyer, said fingers each having a trailing weight arm and being swingable on the return run of said conveyer to various angular positions with respect to the conveyer, and an abutment arm supported by said shaft and having a portion projecting downwardly from said shaft and engageable with any of said fingers occupying any abnormal angular position with respect to the conveyer for rotatably displacing said fingers in advance of said feeding run to cause said fingers to enter said feeding run in proper position.

2,187,027
GLARE SHIELD
O'Dell K. Harvey, Marcellus, Mich.
Application October 23, 1937, Serial No. 170,568
4 Claims. (Cl. 296—97)



2. The combination with an automobile having a windshield and an inwardly extending ledge adjacent the bottom thereof, of a narrow elongated glare shield, and means mounted on the front of said ledge for pivotally mounting said glare shield parallel to said windshield.

2,187,028
WELL SURVEY INSTRUMENT CASE
Ralph E. Hendrickson, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application October 24, 1938, Serial No. 236,683
4 Claims. (Cl. 33—205.5)



1. In the art of surveying wells wherein destructive temperatures are encountered: an instrument case adapted to be connected to the lower end of a tubing string, said instrument case comprising outer and inner shells defining an evacuated chamber and means of access to the interior of the inner shell for the insertion of a survey instrument; a yieldable suspension for such instrument positioned outside of said case and an insulating link interposed between the instrument and suspension means to minimize heat transfer to the instrument.

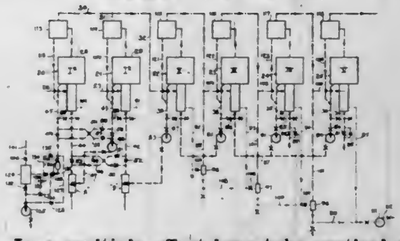
2,187,029
TEAPOT
Sylvester E. Hevers, Waterford, N. Y.
Application February 17, 1938, Serial No. 191,030
5 Claims. (Cl. 53—3)

1. A teapot comprising a body portion, a dome-like cover and a hinge for pivotally connecting said cover to said body, a receptacle open at its top and of a size order adapting it to rotate within said cover and means for rotatably supporting said receptacle on said cover and in close relation thereto with the open top of said receptacle uppermost, said means being arranged rotatably to support said receptacle on an axis fixed in relation to said cover and spaced from the top of said cover sufficiently to permit said receptacle to rotate to a substantial degree be-



tween said axis and cover and said axis being arranged substantially parallel with the axis of said hinge whereby said receptacle will move with said cover and may rotate relative thereto; and said cover and receptacle being so constructed, correlated and relatively arranged that said receptacle will rotate relative to said cover and to a substantial degree as said cover is pivoted about said hinge whereby for all positions of said cover the open top of said receptacle may remain uppermost.

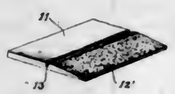
2,187,030
MULTIPLE EFFECT EVAPORATOR AND THE LIKE
William T. Hinckley, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application June 28, 1937, Serial No. 150,747
8 Claims. (Cl. 159—17)



3. In a multiple effect long tube vertical evaporator, a thick liquor effect comprising a pair of sub-effects, a pair of preheaters corresponding to said sub-effects, a transfer pump, and suitable connections and valves arranged to provide flow of liquor first thru one preheater, then thru either sub-effect as selected, then thru the transfer pump, then thru the other preheater, and then thru the other sub-effect to a point of discharge, substantially as described.

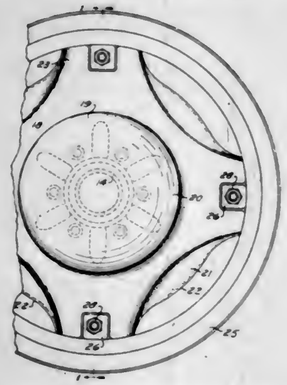
5. The method of removing fouling material from the tubes of the thick liquor effect of a multiple effect evaporator, and for improving the heat transfer coefficient thereof, which consists in passing the liquor in series through two sub-effects of said thick liquor effect using said sub-effects alternately in primary and secondary cycles of change with substantially equal periods in each cycle, and in preheating the liquor prior to entrance into each sub-effect on each cycle of change, substantially as described.

2,187,031
WELTED FOOTWEAR
Friedrich Holland, Brockton, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application October 20, 1936, Serial No. 106,529
2 Claims. (Cl. 12—146)



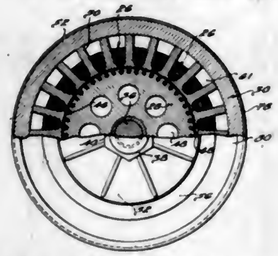
1. A method of making welts which comprises providing a welt grain leather strip which is tapered from its inner toward its outer edge, slitting said welt strip from its thinner outer edge toward but not entirely to its thicker inner edge along a plane substantially parallel with the grain surface of said strip to form a tapered bottom portion, and folding said tapered bottom portion along its attached edge until its original bottom side faces in the same direction as the grain side of said strip, thus forming a welt having a grain surfaced outer section of uniform thickness and a cementable surfaced attenuated inner section adapted to underlie the upper of a lasted shoe.

2,187,032
VEHICLE WHEEL
Harry J. Horn and J. Harold Hunt, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application May 13, 1937, Serial No. 142,381
2 Claims. (Cl. 301—64)



1. In a wheel, the combination with a rim of a wheel body constituting the sole support therefor, comprising a substantially square blank of metal having spoke formations at the four corners thereof connected to each other by intervening web portions, the spoke and web portions merging into a central convex annulus defining a hub cap opening, the center of the blank constituting a radially extending bolting on flange located radially and axially inwardly of said central annulus, each of said web portions being shaped to form a sweeping curved surface from one spoke end to the adjacent spoke end, said curved surface having a radius which is of substantially the same length as the radius of the wheel body as a whole and a center of curvature located outside of the wheel.

2,187,033
ELECTRIC MOTOR
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application January 8, 1937, Serial No. 119,567
11 Claims. (Cl. 172—36)

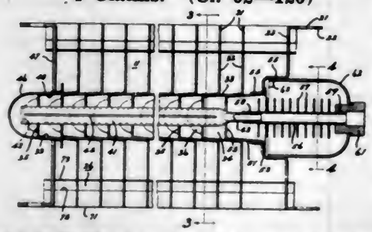


1. A sealed motor having in combination a stator comprising a stack of annular laminations secured together and forming a gas-tight ring, said laminations being formed of a magnetic material, motor windings arranged externally of said ring, portions of the metal walls of said ring opposite said motor windings being reduced in thickness relative to the remaining portions of the metal walls of said ring, an insert of non-conducting material disposed between said ring and said motor windings and secured to said ring so as to form an integral part thereof, means cooperating with said ring to provide in conjunction therewith a gas-tight casing, means operatively associated with said motor windings and the laminations of said ring to provide a metallic path for the magnetic field of said windings and a rotor arranged and sealed within said casing.

2,187,034
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff and Herman Pines, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 17, 1936, Serial No. 116,360
7 Claims. (Cl. 260—671)

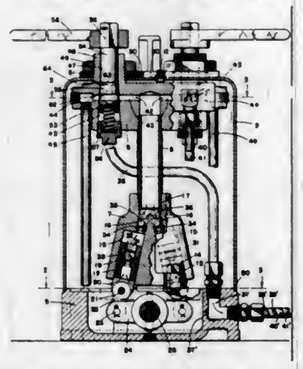
1. A process for producing alkylated aromatics which comprises subjecting a mixture of an aromatic hydrocarbon and an olefin of higher molecular weight than butylene to depolyalkylation.

2,187,035
REFRIGERATING APPARATUS
John Karmazin, Grosse Ile, Mich., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 18, 1937, Serial No. 180,630
4 Claims. (Cl. 62—126)



2. An individual section having a single closed refrigerant evaporating passage therein for a sectional cooling element of a refrigerating system comprising, a plurality of fin members each having a tube portion extending therefrom, said fin members being superimposed one upon the other with the tube portion of one member telescoped with and secured to the tube portion of another member to provide said closed refrigerant evaporating passage which extends through the section, means secured to one end of said section and forming a part of said single closed refrigerant evaporating passage therein, said means being provided with a liquid refrigerant inlet connection and a refrigerant outlet connection, a conduit wtihin said means extending from said inlet connection thereof into said refrigerant evaporating passage for directing liquid refrigerant entering said section to a point in said passage remote from said inlet connection, a portion of said conduit being disposed in the path of refrigerant flowing from said passage through said outlet connection and forming a heat exchanger within said section between refrigerant entering and refrigerant leaving same, and said portion of said conduit including a plurality of fin members each having a tubular part extending therefrom telescoped and secured together to form the walls of said conduit portion.

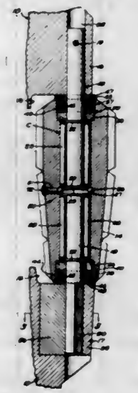
2,187,036
HYDRAULIC APPARATUS
Joseph H. Kerber, Milwaukee, Wis., assignor to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 1, 1937, Serial No. 128,338
4 Claims. (Cl. 103—218)



1. In an hydraulic apparatus, the combination of a base, a pump cylinder mounted on said base, a plunger working in said cylinder, a control valve housing, a discharge conduit for said pump cylinder connected with said housing and forming a support for said housing, a control valve mounted in said housing and controlling the discharge from said pump cylinder, a casing member having a fluid tight connection with said base and said housing and forming therewith an enclosure for said pump cylinder, plunger, and the main part of said valve housing, means for admitting fluid from said casing to said pump cylinder, discharge valve means for said pump cylinder and means for actuating said plunger.

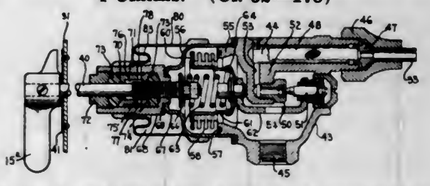
2,187,037
WELL TOOL OR THE LIKE
Lafayette H. Kirkpatrick, Pasadena, Calif.
Application June 9, 1939, Serial No. 278,191
21 Claims. (Cl. 255—71)

1. In a device adapted to be exposed to external fluid pressure, a supporting member, a shaft element and a rotatable element associated to have rotational bearing one on the other, one of the elements being connected to the supporting member, the bearing between elements being located inwardly from the ends thereof, there being provided a pair of annular chambers in one of the elements and coaxial with the shaft element, said chambers being located near opposite ends of said bearing, a pair of annular pistons located one in each chamber and having



fluid-tight peripheral fit with both said elements, the inner end faces of said pistons defining one end of the associated chamber and the pistons being bodily movable axially of the shaft and chambers, the outer end faces of said pistons being exposed in a manner to receive the force of external fluid pressure, there being a passageway putting the piston-defined chambers into communication one with the other, and a body of lubricant substantially filling said piston-defined chambers and passageway and in lubricating communication with said bearing.

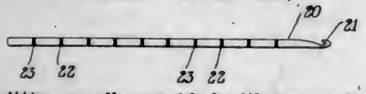
2,187,038
METHOD OF AND APPARATUS FOR COLD CONTROL
Irving J. Knudson, Kenilworth, Ill., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 14, 1935, Serial No. 21,354
4 Claims. (Cl. 62—178)



2. In a refrigerating apparatus comprising a cabinet having a compartment and an opening leading into said compartment, a movable closure member for said opening, a refrigerant evaporator within said compartment, a refrigerant condensing element operatively connected to said refrigerant evaporator, an adjustable expansion valve within said compartment and controlling the admittance of refrigerant to the evaporator to control the pressure and corresponding temperature of the refrigerant in the evaporator, and manually operable adjusting means for said expansion valve and extending therefrom toward said opening and readily accessible therethrough

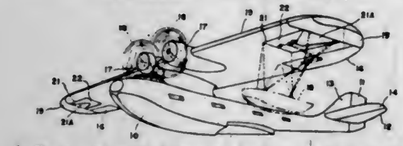
for adjusting said expansion valve to vary the pressure and corresponding temperature in the evaporator.

2,187,039
KNITTING NEEDLE
Harriet S. Kohler, Westport, Conn.
Application February 20, 1939, Serial No. 257,466
1 Claim. (Cl. 66—117)



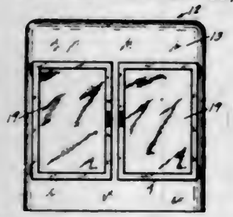
A knitting needle provided with means for permitting the user to measure the combined length of the stitches contained thereon during the knitting operation, comprising an elongated member made from plastic material and being provided with markings impregnated therein, the markings corresponding to known linear measurements and being of a color contrasting with the plastic material.

2,187,040
RETRACTABLE ALIGHTING GEAR
Isaac M. Laddon, William A. Ring, and Henry I. Mandolf, San Diego, Calif., assignors to Consolidated Aircraft Corporation, a corporation of Delaware
Application April 16, 1937, Serial No. 137,214
8 Claims. (Cl. 244—102)



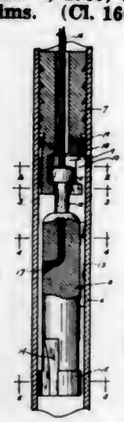
1. In a retractable stabilizing float for aircraft, a wing having a recess in the lower surface thereof, a substantially upright strut pivotally supporting said float in its extended position with respect to the said wing, an inclined strut assembly comprising an inverted V-frame pivotally attached to the float and V-struts pivotally attached to the wing, the said V-frame and struts being pivotally connected adjacent their apices, the said V-frame having an offset portion extending beyond its apex to form a bell crank, and actuating means pivotally linked to said bell crank to retract said float against said wing and said struts within the said recess such that the said V-struts are caused to lie one within the other in substantially the same plane.

2,187,041
REFRIGERATION
Peter J. Lammers and Albert F. Laible, Oakland, Calif.
Application June 5, 1939, Serial No. 277,362
4 Claims. (Cl. 62—89)



1. In a refrigerator having storage space and a cooling unit; a fan and driving means therefor and associated with said cooling unit; a cabinet having a roof, a ceiling at the top of the storage space and having an inverted pocket having side walls including an inclined wall forming a downwardly diverging pocket, and having a top wall and formed upwardly from the ceiling with said cooling unit and its fan and driving means therefor mounted within said pocket and in its entirety being located above the plane of said ceiling, said fan being located on one side of said cooling unit for forcing warmer air which is normally seeking its higher level, through said cooling unit toward said inclined wall, the air being deflected by the inclined wall angularly downward into the storage space to promote thorough and efficient circulation.

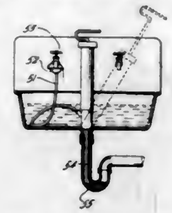
2,187,042
BAILER OR SAND PUMP
William A. Larson, Centralia, Ill., and Harry T. Swortwood, Oklahoma City, Okla.
Application August 4, 1939, Serial No. 288,356
4 Claims. (Cl. 166—19)



1. In a bailer or sand pump, a plunger comprising: a sleeve-like sealing element having a comparatively large valve cavity intermediate its ends communicating with a pair of smaller longitudinally extending aligned bore holes, the outer ends of which extend to the extreme opposite ends of the element; a combination valve head guide and plunger weight having an integral valve stem formed at its upper end, said stem being of a cross sectional size and shape to freely rotate and slide within the bore hole in the lower end of said sealing element; and a valve head rigidly secured to the upper end of said stem and reciprocable and rotatable within said valve cavity for effecting a swivel connection between the sealing element and the weight; and plunger operating means connected to said weight and extending upward through the bore hole in the upper end of said sealing element.

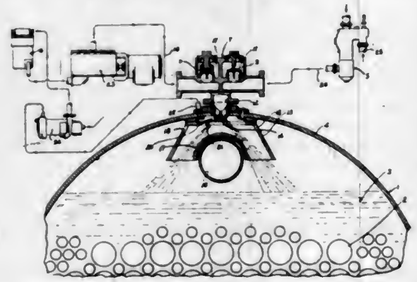
2,187,043
TRAP CLEANER AND FORCE PUMP
John L. MacMillan, Los Angeles, Calif.
Application July 20, 1938, Serial No. 220,279
4 Claims. (Cl. 15—104.05)

4. In a device as described, the combination of a force pump having a cylinder with a reciprocating piston therein, an operating plunger connected to the piston and having a handle at one end of the force pump, the opposite end of said pump having a discharge opening, a guide tube connected to part of the force pump and having an outer end positioned outside of the cylinder and an inner end located inside of the cylinder facing the discharge opening, a flexible hose slidably mounted in the guide tube and having a discharge end portion extending through the discharge opening of the force pump, the opposite



end having means for connection to a source of pressure liquid whereby a flow of pressure liquid may be directed through the hose to the obstruction to be removed and the force pump operated to develop a pressure of liquid on such obstruction.

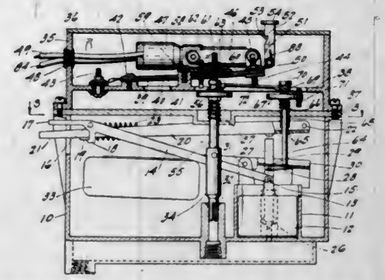
2,187,044
FEED-WATER HEATER
Bartley R. McBath, Verona, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application February 24, 1939, Serial No. 258,134
3 Claims. (Cl. 122—438)



1. In a feed-water heater, the combination with a boiler having a saturated-steam pipe therein, of an inlet for water at the top of said boiler, a shroud within the boiler for receiving incoming water from said inlet and having its inner end open to receive steam from the boiler and permit passage of water into the boiler, and means at said inlet to spray the incoming water through said shroud and directly into the boiler in small, thin uninterrupted streams, the passage of steam in said shroud being countercurrent to the passage of water therein, said shroud having an outlet therein for the outlet of a limited amount of steam together with the gases released from solution by the deaerating effect of the counter-flowing steam, said shroud shaped to form a protecting cover for a part of said saturated-steam pipe to prevent contact of incoming water with the pipe.

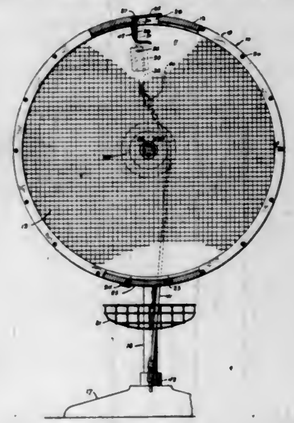
2,187,045
ELECTRICAL CONTROL FOR VALVES
Donald H. McCorkle, Berkeley, Calif., assignor to D. H. McCorkle Co., Berkeley, Calif., a corporation of California
Application December 10, 1937, Serial No. 179,131
16 Claims. (Cl. 137—144)

1. In a float valve control having an admission valve and a float controlling said admission valve; a metering valve and a spring normally urging said metering valve to open; a thermo-warp element cooperatively related to said valves and maintaining said valves in closed position



against the respective actions of said float and said spring when said warp element is cold and slowly releasing said valves to open when said warp element becomes heated.

2,187,046
GAME WHEEL
Daniel O. McLean, San Francisco, Calif., assignor to Ten-O-Win Amusement Company, San Francisco, Calif., a corporation of California
Application April 25, 1938, Serial No. 204,121
4 Claims. (Cl. 273—144)



1. In a game wheel, a rotatable container for balls representing chances, means for selecting and ejecting a ball therefrom, means resiliently resisting rotation of the container in one direction whereby upon being rotated in that direction it will come to rest and then rotate in the opposite direction, and means for operating the selecting and ejecting mechanism during operation in said opposite direction.

2,187,047
MEANS AND METHOD OF SAMPLING WELL FLUID
Keith H. Miner, Huntington Park, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application May 22, 1939, Serial No. 275,022
8 Claims. (Cl. 166—1)

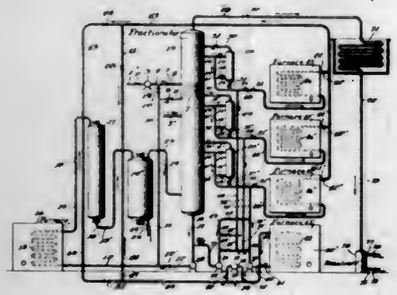
1. The combination with a gun perforator, of a fluid sampler including an initially sealed fluid sample chamber, and means responsive to con-

cussive pressures generated upon discharge of said gun perforator for opening said sample



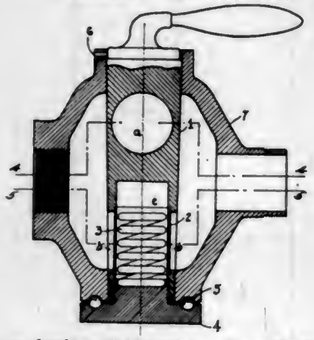
chamber to well fluids in which the gun perforator and sampling device may be immersed.

2,187,048
TREATMENT OF HYDROCARBON OIL
Jacque C. Morrell, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 16, 1931, Serial No. 516,271
Renewed June 14, 1938
6 Claims. (Cl. 196—48)



1. A process for producing anti-knock motor fuel from crude oil containing gasoline which comprises introducing the crude into a fractionating zone and contacting the same therein with cracked vapors formed as hereinafter set forth thereby vaporizing the gasoline from the crude and forming a mixture of unvaporized crude and reflux condensate separated from the cracked vapors, condensing the heavier portion of the gasoline from the commingled crude oil vapors and uncondensed cracked vapors while retaining the lighter portion of the gasoline in vaporous form, heating said mixture of unvaporized crude and reflux condensate to cracking temperature, independently heating said heavier portion of the gasoline to a higher cracking temperature adequate to increase its anti-knock value and then commingling the same with said mixture, separating the thus commingled oils into vaporous and residual products, supplying such separated vaporous products to the fractionating zone as said cracked vapors, and finally condensing and collecting said lighter portion of the gasoline uncondensed by the fractionation.

2,187,049
COMBINATION DISPENSING CONTAINER VALVE
Louis G. Murphy, Newark, N. J.
Application November 13, 1937, Serial No. 174,347
7 Claims. (Cl. 299—84)



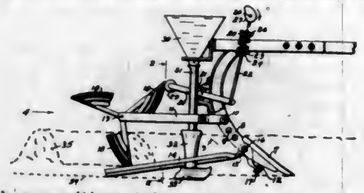
1. In a device of the class described, a casing having fluid inlet and outlet openings and interior inlet and outlet spaces, an adjustable valve member carried by the casing forming said interior spaces between itself and the casing and for controlling the flow of fluid through said spaces, said valve member having a chamber for holding a compact material to be gradually taken up by fluid passing through the chamber, the wall of the chamber having ports therein to allow fluid to pass from an inlet space through the valve chamber into an outlet space when the valve is in one position of adjustment, said valve member having a transverse hole therethrough spaced from said chamber and adapted to establish a direct path for the fluid through the casing in another position of adjustment of said valve member.

2,187,050
PROCESS FOR PRODUCING TITANIUM PIGMENTS
Gordon D. Patterson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1937, Serial No. 138,537
10 Claims. (Cl. 134—58)

1. A process for producing a stable, light and weather-resistant titanium pigment substantially free of soluble salts, comprising separately precipitating and purifying by washing hydrated aluminum oxide, maintaining the purified product in moistened condition, and while in such state, blending from about .1% to 10% thereof with an aqueous suspension of a previously calcined titanium pigment.

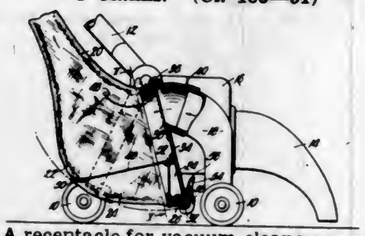
2,187,051
DAMMING ATTACHMENT FOR LISTER SEEDERS
Charles T. Peacock, Lincoln County, Colo.
Application December 19, 1938, Serial No. 246,560
13 Claims. (Cl. 97—55)

1. An implement comprising a frame, a ground working tool carried thereby adapted to form a furrow when the implement is drawn forwardly, a damming device including a scraper disposed to operate in the furrow made by the ground-working tool, means for connecting the device to the implement frame for vertical movement thereof relative thereto, means for supporting the damming device and for limiting its downward movement relative to the bottom of the ground-working tool, comprising a solid



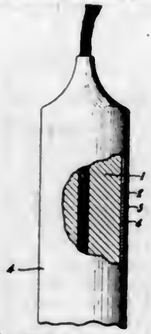
member positioned between the bottom of the furrow and the damming device, and means for attaching it to the frame.

2,187,052
DUST RECEPTACLE FOR VACUUM CLEANERS
Emery C. Poynter, Kansas City, Mo.
Application January 3, 1938, Serial No. 183,032
4 Claims. (Cl. 183—51)



1. A receptacle for vacuum cleaners comprising a tubular fabric bag; a frame at one end of the bag; a substantially vertical cover closing one end of the bag and the frame, said cover being provided with an opening in communication with the fan outlet; means hingedly interconnecting the frame and cover along the normally upper edges thereof; and a tape interconnecting the cover and inner face of said bag, at a point spaced inwardly from the end thereof whereby when the cover and bag are swung apart about the hinge connection, a part of the bag is drawn toward the open end thereof.

2,187,053
METAL-FINISHED CANDLE
Malcolm F. Pratt, Elmhurst, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1937, Serial No. 167,004
3 Claims. (Cl. 67—22.5)



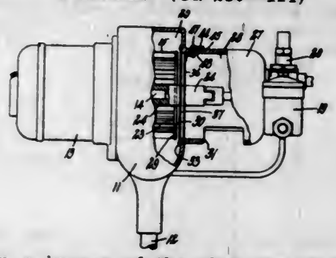
1. A candle having, in combination, a body, a relatively thick first coat, on the body, of shellac, a relatively thin second coat of oil varnish, and an outer coat of metal adherent to the outer surface of the varnish coat.

2,187,054
TELESCOPE MOUNTING FOR GUNS
John H. Redfield, Denver, Colo.
Application February 8, 1938, Serial No. 189,307
2 Claims. (Cl. 33—50)



1. A telescope mounting for guns comprising: an elongated base member affixed to the receiver of a gun; a front telescope clamp pivotally mounted on the forward extremity of said base member to swing in a horizontal arc; a rear telescope clamp having a flat bottom resting on the rear portion of said base member; and a screw threaded into each side of said base member, said screws engaging opposite sides of the said rear telescope clamp, the heads of said screws being recessed so as to provide a sharpened peripheral edge axially thereof, said clamp being arcuately recessed for the reception of said edge.

2,187,055
OIL BURNER
Romeo Francis Regnier, West Roxbury, Mass.
Application March 30, 1938, Serial No. 198,827
2 Claims. (Cl. 230—114)

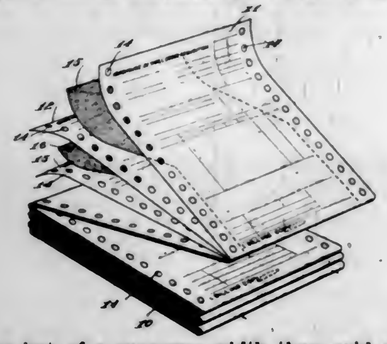


1. In a burner of the character described a casing provided with an air passage therein, a blower rotatably mounted in said casing in communication with said air passage and provided with an intake opening for air in a face thereof and with a hub portion protruding through said opening, a shutter surrounding said hub at the entrance to said opening and positioned parallel to said face of the blower at an intermediate location in said casing, said shutter embodying therein a plurality of arcuate members positioned in overlapped relation one to another and co-operating with said hub to form an annular opening therearound, means including an indicator to move said shutter members to vary the area of said annular opening, whereby the volume of air entering the blower is controlled and means to gauge the position of said indicator.

2,187,056
MULTIPLE COPY FORM PACKET
Albert H. Reiber, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 16, 1929, Serial No. 332,893
10 Claims. (Cl. 282—12)

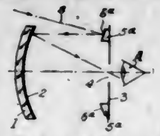
1. A packet for machine manifolding operations comprising a plurality of continuous strips of forms, the forms on each strip being arranged

endwise of each other and each form being provided with equally spaced alining perforations so disposed that when the forms are in proper alinement the perforations in the strips will be in exact registry, and duplicating strips between said strips of forms coextensive endwise with said



strips but of a narrower width than said strips so that said duplicating strips do not normally extend to the perforations in said forms, and means to position said duplicating strip so as to prevent substantial movement thereof with respect to said forms.

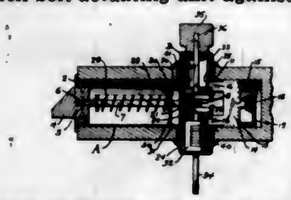
2,187,057
FINDER DEVICE
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application May 18, 1938, Serial No. 208,669
In Germany May 14, 1937
6 Claims. (Cl. 88—1.5)



1. A finder for photographic cameras including an optical member having a rearwardly facing concave face, a semi-transparent mirror layer mounted on the concave face of said optical member, a non-transparent plate member spaced rearwardly from said optical member and having an aperture for observing the object to be photographed through said semi-transparent mirror layer, and means indicating the border of the picture area arranged on that side, of said plate member facing said optical member, said means being provided with mirror-like reflective surface elements which are inclined with respect to said plate member so as to reflect light rays entering said finder from the front for producing in said semi-transparent mirror layer a bright image of said border indicating means which image is reflected through said aperture into the eye of the observer.

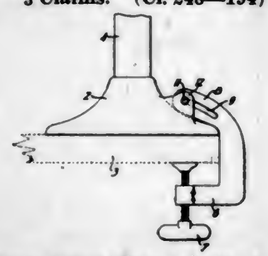
2,187,058
DOOR LOCK
Walter R. Schlage, Palo Alto, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,373
Renewed November 29, 1939
11 Claims. (Cl. 70—145)

1. In a lock of the character described a latch bolt unit and a latch bolt actuating unit extending through the latch bolt unit, anchor means carried by the latch bolt unit to secure the latch bolt actuating unit against rotation and



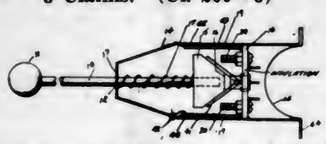
transverse movement with relation to the latch bolt unit, and cooperating means on the latch bolt actuating unit to receive the anchor means.

2,187,059
CLAMP
Joseph Schor, San Francisco, and John R. Skoverski, Oakland, Calif.; said Skoverski assignor to said Schor
Application May 12, 1937, Serial No. 142,152
3 Claims. (Cl. 248—194)



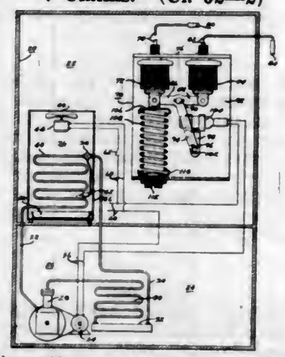
2. A clamp comprising a base, a clamp arm pivotally connected to the base on a substantially horizontal axis for movement between upwardly and downwardly extending positions, means on said arm and operable in the downwardly extending position thereof for clamping the base against a support, and means for mounting the clamp arm for slidable movement transversely of its pivot axis for lowering a portion of the arm against the base to lock the arm against downward pivotal movement.

2,187,060
AUTOMOTIVE SIGNAL
Vinton W. Schultz, Chicago, Ill., assignor of one-half to E. H. Anderson, Chicago, Ill.
Application May 27, 1938, Serial No. 210,342
3 Claims. (Cl. 200—6)



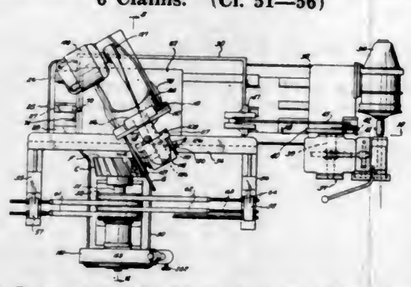
1. A switch comprising a body member, a non-conductor member attached to said body member, a pair of spaced electrical contact members and a live terminal attached to said non-conductor member, a movable member pivotally attached to said non-conductor member, a manually operable rod extending through a wall of said body member and having a non-conductor head, a spring positioned on said rod between said wall and said head to normally position said head in the middle portion of said movable member, the middle portion of said movable member contacting said live terminal at all times, the ends of said movable member being shortened so that when said movable member is in normal position the ends are adjacent but do not touch said spaced electrical contact members, said head adapted to slide on said movable member in either direction upon manual pressure being applied to the rod so that said movable member is pivoted by the head until one of the ends contacts one of the electrical contact members to complete an electrical circuit, said spring upon release of manual pressure on the rod adapted to force the head of the rod back to normal position on the middle portion of said movable member and immediately break the electrical circuit.

2,187,061
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 31, 1935, Serial No. 4,336
7 Claims. (Cl. 62—2)



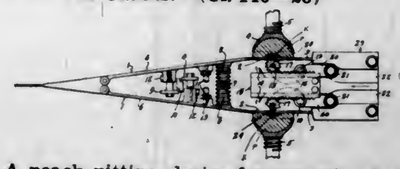
1. Refrigerating apparatus including an enclosure containing a medium, means for changing the temperature of said medium, and opposed means rigidly connected together in direct opposition to each other, one responsive to the temperature of the medium and the other responsive to the temperature outside of said enclosure for regulating said means for changing the temperature of the medium, one of said temperature responsive means having a fluid with a high vapor pressure and the other having a fluid with a lower vapor pressure, and spring means opposing the temperature responsive means having the higher vapor pressure fluid.

2,187,062
GEAR GRINDING MACHINE
William E. Sykes, Buffalo, N. Y.
Application December 4, 1937, Serial No. 178,023
6 Claims. (Cl. 51—56)



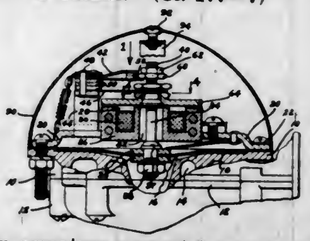
1. In a machine of the character described, a relatively rotatable work holding spindle and an index casing mounted in coaxial relation, an indexing mechanism comprising means for imparting oscillatory movement to the casing, means connecting the casing and spindle for unitary oscillation, control means for said connecting means for disconnecting the casing and spindle, actuating means for the control means carried by the casing and being operable during minor sectors of movement in opposite directions at one end of the oscillatory stroke of the casing, and a driving transmission for said spindle operated by and during operation of said control means.

2,187,063
DEPTH GAUGING PEACH PITTER
Albert R. Thompson, Los Gatos, and Richard Fox, San Jose, Calif., assignors to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application October 29, 1937, Serial No. 171,734
10 Claims. (Cl. 146—28)



1. A peach pitting device for removing halved pits from the previously split peach, including means for holding the peach half, pitting means for cutting the pit half from the halved peach, and means adapted to contact the pit shell from within the kernel cavity of the pit and operative to move said pit shell to a previously determined position.

2,187,064
ARMATURE SUPPORT
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 4, 1937, Serial No. 128,923
3 Claims. (Cl. 177—7)

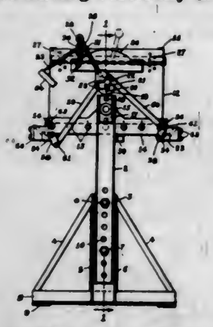


2. In an armature support for a magnet motor, the combination comprising, an armature stud, a shouldered sleeve having a non-circular portion and being threaded upon the stud, an armature, a universal seat for the armature upon the sleeve shoulder, an adjusting plate surrounding one end of the sleeve and engaging the armature, said plate having non-circular provisions engaging the sleeve for altering the threaded relation of the sleeve and stud, and a clamp nut adapted to restrain relative movement between the sleeve and stud.

2,187,065
LIQUID MIXING MACHINE
Mark King Wilson, Chattanooga, Tenn.
Application July 18, 1938, Serial No. 219,842
7 Claims. (Cl. 259—56)

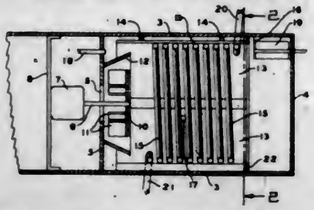
1. In a liquid mixing machine, a carriage open at its ends for receiving and delivering a container having therein the liquid to be mixed, said carriage comprising side walls, means form-

ing a bottom for said carriage and extending between and connecting the side walls, means extending between said side walls at the upper portion thereof, and an adjustable top member for said carriage adjustable to different elevations to accommodate containers of varying height received within said carriage, said top member comprising a plate having vertically disposed flanges,



pin means in said flanges, and a plurality of openings in the walls of the carriage for selectively receiving said pin means, said pin means comprising a stationary pin in the flange at one side of said top member, and a pin member mounted for sliding movement in the flange at the opposite side of said top member, and a spring urging said slidable pin outwardly.

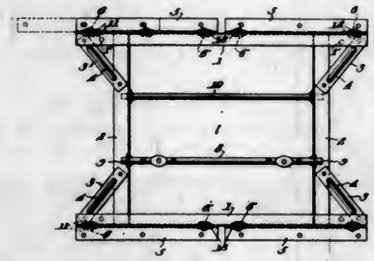
2,187,066
CENTRIFUGAL DEHUMIDIFIER
Malcolm P. Youker, Bartlesville, Okla.
Application December 8, 1937, Serial No. 178,749
6 Claims. (Cl. 62—140)



1. Apparatus for cooling and dehumidifying air, comprising a casing, inlet and outlet openings in said casing, a longitudinally disposed separator shell spaced inwardly from the walls of the casing, cooling means within the confines of said shell, a centrifugal blower adjacent said inlet opening arranged to whirl a current of air over said cooling means and against the inner surface of said shell, openings in said shell to permit condensate to escape from said shell into the space surrounding the latter, and means for draining said separated condensate from said space.

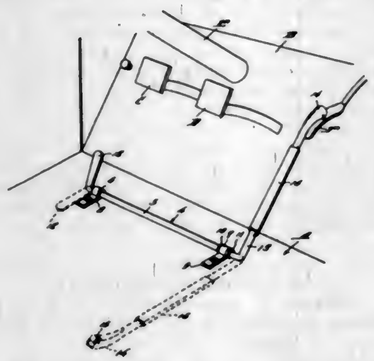
2,187,067
EXTENSION TABLE
William P. Yow, Winston-Salem, N. C., assignor to Southern Steel Stampings, Incorporated, Winston-Salem, N. C., a corporation of North Carolina
Original application April 22, 1935, Serial No. 17,730, now Patent No. 2,029,280, dated January 28,1936. Divided and this application January 18, 1936, Serial No. 59,761
6 Claims. (Cl. 311—71)

2. A metal slide assembly for extension tables comprising a pair of rail members, means rigidly positioning said rail members in spaced parallel relation for location adjacent and parallel to the edges of a table, a pair of slide members for each rail member and having an aggregate length approximating that of the rail member, each slide member having angularly disposed webs for connection respectively to the table and to a rail member, corresponding webs of the slide mem-



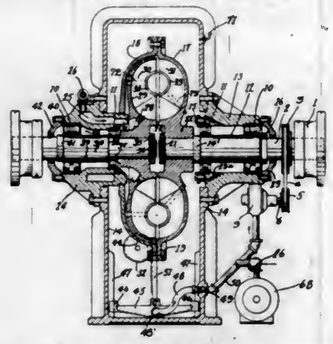
bers of each pair being longitudinally alined, and means supporting the slide members for longitudinal sliding movement on and with the attaching webs thereof in spaced relationship to the rail members, said supporting means for each slide member including a plurality of members spaced longitudinally from each other and extending between that slide member and the associated rail member.

2,187,068
AUXILIARY FOOT ACCELERATOR
Anton Adamic, Canon City, Colo.
Application June 20, 1939, Serial No. 280,201
2 Claims. (Cl. 74—479)



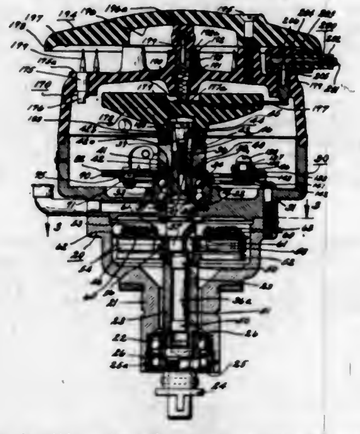
1. In a structural assemblage of the class described, in combination, a floor board structure including a horizontal portion and an inclined toe portion, brake and clutch pedals associated with the last-named portion, a main accelerator device also mounted on the inclined portion, bearing brackets mounted on the horizontal portion of a rocker shaft mounted for oscillation in said bearing brackets, said rocker shaft having a right-angularly disposed foot-piece on the left-hand end thereof, and a reach arm on the opposite end, the reach arm terminating in a sheath and said sheath being superimposed about said main accelerator, an anti-friction roller mounted in the sheath, and an anti-slipping sleeve on said reach arm forming a heel rest, the sleeve being located within the vicinity of the brake pedal.

2,187,069
VARIABLE-SPEED HYDRAULIC COUPLING
Noah Lester Alison, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application April 24, 1937, Serial No. 138,782
8 Claims. (Cl. 60—54)



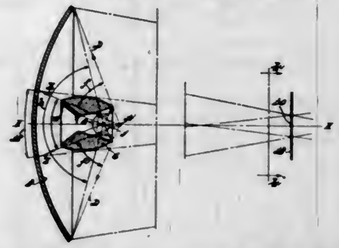
1. In combination, a hydraulic coupling comprising an impeller, a driving shaft, a runner, a driven shaft and a housing for said coupling having supporting sleeves for said shafts and spaced bearings interposed within said sleeves for supporting said shafts at spaced points radially and against longitudinal thrust, means in said sleeves for circulating oil therethrough from said coupling over said spaced bearings.

2,187,070
IGNITION DISTRIBUTOR
James L. Arthur, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 4, 1938, Serial No. 199,882
12 Claims. (Cl. 200—31)



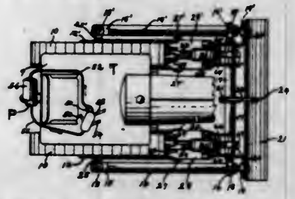
1. An ignition distributor for internal combustion engines comprising a housing, an antifriction bearing having its outer race rotatably journaled in the housing, a shaft carrying a timer cam and fixed within the inner race, a circuit breaker plate fixed to the outer race, a circuit breaker supported upon the plate and including a breaker arm operated upon by the cam, and means for adjusting the breaker plate, said plate rotating coaxially with respect to the cam by reason of the attachment of the plate to the bearing outer race.

2,187,071
OPTICAL SYSTEM
Jan Bergmans, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 10, 1938, Serial No. 189,872
In the Netherlands February 27, 1937
2 Claims. (Cl. 88—24)



1. An optical system comprising a mirror condenser having a center of curvature on the axis of the system, a linear light source arranged perpendicular to said axis and having a light-emitting portion at a point on said axis between said condenser and said center of curvature, a cooling jacket of transparent material surrounding said light source, and refracting means intercepting the light emitted by said light-emitting portion over a solid angle greater than 120° to direct the said light upon an outer annular portion of the condenser in a divergent bundle of light of annular cross section having an apical solid angle less than said first solid angle, said means including said cooling jacket, and a refracting member between said condenser and cooling jacket and partly surrounding the latter, said refracting member being an annular body provided with a barrel-like transparent outer surface and a cavity having a conically-shaped portion arranged coaxially with the axis of the system, a portion of the light source being within said cavity.

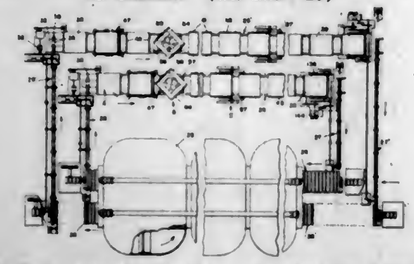
2,187,072
TRAIL BUILDER, BULLDOZER, AND THE LIKE
Charles Le Bleu, Los Angeles, Calif.
Application April 6, 1936, Serial No. 72,960
Renewed May 5, 1939
22 Claims. (Cl. 37—144)



1. A material handling machine comprising a tractor, a pair of pusher arms disposed one at each of the opposite sides of the tractor, means articulately mounting the rear end of the pusher arms on the tractor, for independent vertically swinging movement about a common axis a rigidly constructed scraping unit disposed forwardly of the tractor, means articulately mounting the scraping unit on the front ends of the pusher arms whereby the pusher arms may swing independently in opposite directions in a vertical plane about the common axis for transversely tilting the scraping unit without imparting torsional strain thereto, and power operated means

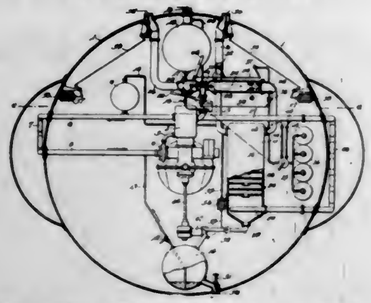
to swing the pusher arms for tilting the scraper unit, and other means for retaining said scraper unit in its upright position on said pusher arms.

2,187,073
CONVEYER SYSTEM
Leonard J. Bishop, Detroit, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application December 9, 1936, Serial No. 115,041
11 Claims. (Cl. 149—19)



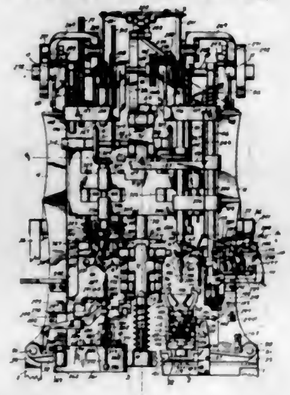
1. In a conveyer system, a traveling element, means for supporting an article on said traveling element in a horizontal position to advance the article edgewise, an oven laterally spaced from said traveling element, a second traveling element extending within said oven, means on said second traveling element for suspending an article in a vertical position to advance the article sidewise, and means for transferring an article from horizontal position to vertical position and from the first-mentioned traveling element to said second traveling element, all of said traveling elements being disposed in substantially the same horizontal plane.

2,187,074
SUBMARINE BOAT
Gianni Caproni, Milan, Italy
Application April 6, 1938, Serial No. 200,446
In Italy April 12, 1937
29 Claims. (Cl. 114—16)



1. In a submarine boat containing an internal combustion engine with supply and feed of liquid fuel thereto, a compressed oxygen supply with a regulable pressure reducer, and an engine cooling system with forced water circulation; the combination of a valved commutator delivering selectively either exterior air or gas-oxygen mixture to the engine and having first and second adjusted positions with a shifter or lever for reversing it, an air passage leading from a closable exterior inlet to the commutator to supply air thence to the engine in the first commutator position when running emerged, a gas-oxygen mixer having a passage leading therefrom to the commutator to supply such mixture thence to the engine in the second position when running submerged, an engine exhaust gas passage having a cooling section and a muffling section and leading thence to the mixer, with a branch passage leading to a closable exterior outlet to discharge gas when running emerged, and an oxygen passage leading from said pressure reducer to the mixer with a shut-off valve.

2,187,075
FRUIT PREPARATION MACHINE
Burton C. Coons, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application May 3, 1937, Serial No. 140,325
22 Claims. (Cl. 146—33)



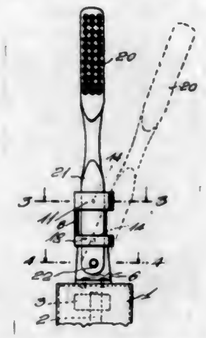
1. In a pear preparation machine, a rotatable fruit impaling tube having substantially radially extending fins secured in spiral relation thereon, fruit feeding means for presenting fruit in centered relation and calyx end first to said tube, said feeding means including a rotatable cone-shaped cup for supporting the stem end of the fruit during impalement thereof and centering means for engagement with the calyx end of the pear to center the fruit on said cup, and means for moving said centering means out of engagement with the fruit after said tube has engaged the fruit but before engagement of said fins therewith.

2,187,076
VIBRATING TOILET APPARATUS
Prentis E. Erickson, Minneapolis, Minn., assignor to James B. Bradshaw, Minneapolis, Minn.
Application January 14, 1938, Serial No. 185,070
1 Claim. (Cl. 128—62)



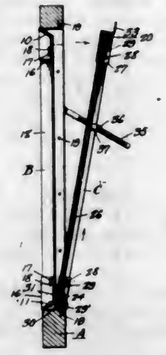
The combination of a vibratory motor having a forked vibrated terminal end and a resilient sleeve having one end adapted to be positioned about said forked terminal end and its opposite end adapted to form a bearing for an implement handle when inserted through said sleeve with its end seated within said forked terminal end, whereby vibration will be transmitted from said motor through said sleeve to the implement.

2,187,077
TOOTH BRUSH SUPPORTING DEVICE FOR TOOTH MASSAGING APPARATUS
Prentis E. Erickson, Minneapolis, Minn.
Application August 1, 1938, Serial No. 222,475
4 Claims. (Cl. 24—257)



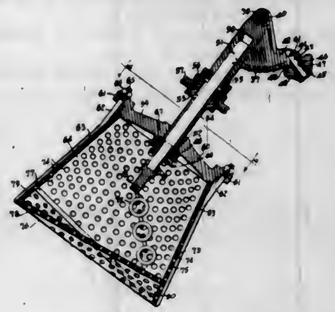
1. A tooth brush support adapted to be mounted upon a vibratory motor housing comprising an upstanding body having a jaw formed thereon, cooperating resilient tooth brush handle clamping jaws on said body, and means on said body for engaging and anchoring the tooth brush handle between said jaws.

2,187,078
TWIN SASH
Claude E. Grigsby, Galesburg, Ill.
Application March 14, 1939, Serial No. 261,821
3 Claims. (Cl. 20—56.1)



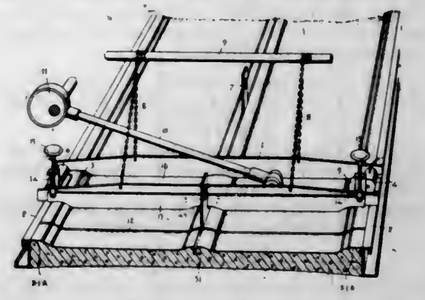
1. A twin sash comprising an outer frame, an inner movable frame fitting said outer frame, each frame having top, bottom, and side rails respectively, a flat base flange included with each rail, frontal flanges extending from the base flanges and angled inwardly of the said frames, abutment lips on the frontal flanges, angle corner pieces having the top, bottom and side rails adjustably connected thereto, an upstanding ledge on the lowermost base flange of the outer frame and spaced from the frontal flange and lip thereof for effecting a channel receptive to the lowermost base flange of the other frame, and a hook-like tongue extending from the lowermost base flange of the said other frame for interfitting with and disengagement from the abutment lip flange of the frontal flange on the bottom rail of the outer frame.

2,187,079
WORK-PIECE HOLDER FOR ELECTROPLATING MACHINES
Albert H. Hannon, Springfield, Ohio
Original application July 17, 1936, Serial No. 91,170. Divided and this application February 4, 1937, Serial No. 123,945
3 Claims. (Cl. 204—11)



1. A work-piece holder for electro-processing machines comprising a perforated basket-shaped container having side walls and a substantially circular end wall, said end wall comprising substantially semi-circular portions tilted relatively to each other with the diameters of the semi-circles at an angle to each other for imparting an additional tumbling motion to the work-pieces in said container, and means for rotating said container.

2,187,080
ROAD BUILDING MACHINE
John N. Heltzel, Warren, Ohio
Application November 21, 1935, Serial No. 50,934
6 Claims. (Cl. 94—45)



1. In a road building machine, a screed, means to reciprocate the screed, said screed having upwardly-arched central and end bottom portions, a transverse joint forming blade carried to move and reciprocate with the screed and having upwardly-arched central and end bottom edge portions, and means to move the blade up and down with respect to the screed.

2,187,081

DIMETHYLOL UREA ACETAL CONDENSATION PRODUCT AND PROCESS OF PRODUCING THE SAME

Theodore S. Hodgins, Royal Oak, and Almon G. Hovey, Pleasant Ridge, Mich., assignors to Reichhold Chemicals, Inc., formerly Beck, Koller & Company, Inc., Detroit, Mich.

No Drawing. Application November 10, 1938, Serial No. 239,878
6 Claims. (Cl. 260—70)

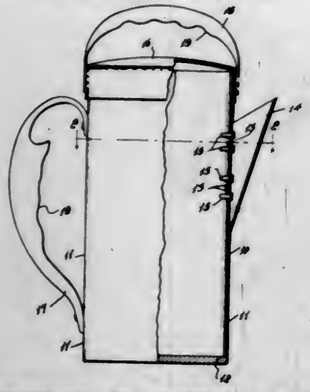
1. A process of producing an artificial resin which comprises reacting preformed dimethylol urea and a preformed acetal, the dimethylol urea and acetal constituting the principal reacting ingredients.

2,187,082

CONTAINER FOR MELTING AND POURING PARAFFIN

Evelyn D. L. Huff and Helen K. Olson, Mandan, N. Dak.

Application September 15, 1938, Serial No. 230,148
3 Claims. (Cl. 53—1)



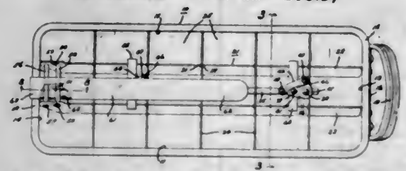
1. A receptacle for containing, melting and pouring paraffin or the like, said receptacle comprising a container, the container having discharge openings in a wall thereof, and a plurality of spaced peg-like elements extending inwardly from the interior of the wall of the container having distal inner ends adjacent said openings with said distal inner ends directly exposed to the contents of the receptacle for contact with solid paraffin to prevent interference of the latter with the discharge of molten paraffin through said openings.

2,187,083

ICE TRAY

Francis P. Keiper, Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application March 15, 1938, Serial No. 196,034
14 Claims. (Cl. 62—108.5)



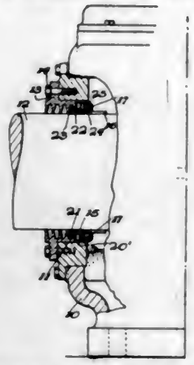
1. A grid for disposition in a freezing tray comprising, a plurality of spaced apart longitudinal walls and a plurality of walls extending transversely thereto in spaced apart relation along the length thereof, said walls being secured together to form a unitary grid structure defining three or more longitudinal rows of ice block compartments, said longitudinal grid walls extending substantially parallel to one another and being normally inclined with respect to the disposition of said transverse walls to provide ice block compartments therebetween of parallelogram form in one direction of cross-section therethrough, at least one of said longitudinal grid walls being movable relative to said transverse grid walls, and means for moving said one longitudinal grid wall relative to said transverse grid walls out of its normal inclined position to enlarge the compartments between said longitudinal grid walls.

2,187,084

SEALING MEANS FOR SHAFTS

Albert Kingsbury, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a corporation of Delaware

Application May 19, 1937, Serial No. 143,614
4 Claims. (Cl. 286—5)



1. In a sealing means for a shaft, a stationary ring adapted to have small clearance with the periphery of the shaft and having at its inner periphery inwardly directed serrations the edges of which tend to deflect oil engaging the same inwardly with respect to the shaft opening, said ring being made in halves adapted to be secured together around the shaft, and a spring coacting with the ends of said ring for resiliently urging said halves into a form wherein said ring maintains a small predetermined clearance between its inner surface and the surface of said shaft.

2,187,085

TOY RAILWAY ROLLING STOCK

Vernon Norman Kisling, Baltimore, Md., assignor of one-half to Marjorie B. Kisling, Baltimore, Md.

Application July 19, 1938, Serial No. 220,108
Renewed June 15, 1939
1 Claim. (Cl. 191—45)



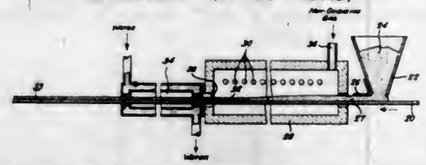
In a toy electric railway rolling stock comprising a vehicle body, front and rear wheel trucks, one of the said trucks comprising an elongated body of insulation, stub axles extending into the elongated body of insulation and provided with wheels on the outer ends thereof, taps on the said stub axles, the other truck being provided with a pair of elongated members of insulation, one of the last-mentioned members of insulation having an axle extending therethrough, wheels of insulation mounted on the ends of the last-mentioned axle, said last-mentioned truck having its other elongated body of insulation provided with a pair of stub axles extending therefrom and wheels of current conductive material on the last-mentioned stub axle, and taps from the last-mentioned stub axle.

2,187,086

METALLIC ELEMENT AND METHOD OF MAKING SAME

Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 10, 1938, Serial No. 189,739
14 Claims. (Cl. 29—149.5)



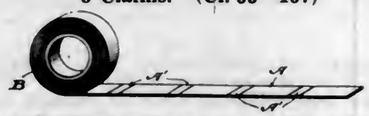
9. The method of forming the porous metal element having the pores thereof substantially filled with a solid lubricant material, including the steps of, distributing a uniform layer of uncompacted powdered metal upon a supporting surface, sintering the powdered metal layer under non-oxidizing conditions to form a strong highly porous metal layer, and subsequently impregnating the porous metal layer with a solid lubricant material.

2,187,087

FLEXIBLE TEMPLATE

Earl R. Leary, West Scarboro, Maine

Application December 31, 1937, Serial No. 182,878
5 Claims. (Cl. 33—137)



1. A flexible template, comprising a length of tape adapted to be permanently secured to an object, and having a series of spaced indicia thereon; and a supplemental template secured upon the said first tape intermediate its ends, and comprising a pair of relatively short tape members having spaced series of indicia thereon, said members being superimposed in reverse relationship with one corresponding indicia on each member coinciding.

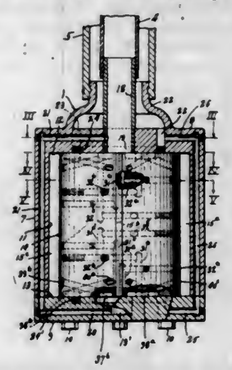
2,187,088

VIBRATOR

George L. Malan, Yuma, Ariz.

Application June 27, 1938, Serial No. 216,184
12 Claims. (Cl. 121—3)

1. A vibrating machine comprising a casing defining a chamber having a continuous curved peripheral wall, a rotor of smaller lateral dimensions than the chamber positioned within the chamber, and means for revolving said rotor within said chamber about an axis eccentric with respect to the center of gravity of the rotor, whereby unbalanced vibratory forces are developed in the rotor and applied to the casing, in which the casing surfaces defining said chamber constitute the effective bearing surfaces for
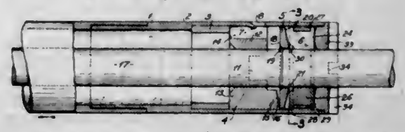


supporting said rotor with respect to the casing and transmitting said vibratory forces from said rotor to the casing.

2,187,089

PUSHER

Stoddard B. Martin, Lakewood, Ohio

Application October 26, 1938, Serial No. 237,086
9 Claims. (Cl. 29—61)



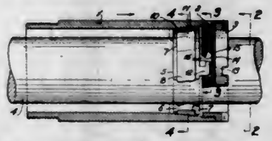
1. In a pusher for automatic screw machines and the like, a tube, spaced bushings within the tube for supporting the bar stock axially therein, and tiltable stock gripping means between said bushings preventing axial movement of the stock in one direction, one of said bushings engageable with said tiltable gripping means at a point near the outer edge of the gripping means when the pusher is moved in a feeding direction, the other of said bushings being contractible on said bar stock to clutch the same and engageable with the gripping means at a point on its opposite side to tilt said means.

2,187,090

PUSHER

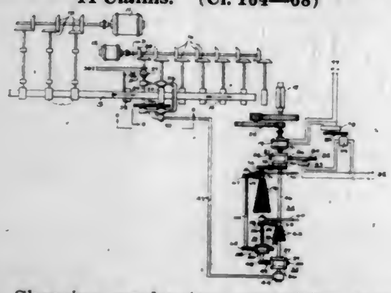
Stoddard B. Martin, Lakewood, Ohio

Application March 2, 1939, Serial No. 259,419
12 Claims. (Cl. 29—62)



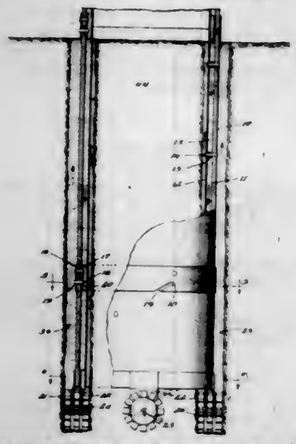
2. In a pusher, a bushing within the pusher for gripping a bar passing axially therethrough, said pusher having a part engageable with the bushing to exert a positive inward gripping force on said bar when the bar is fed forwardly and interfitting means on said bushing and said pusher for releasing said positive gripping force when the bar is manually turned in one direction in said pusher, thereby permitting removal of the bar.

2,187,091
SHEARING MECHANISM
Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application October 10, 1938, Serial No. 234,227
11 Claims. (Cl. 164—68)



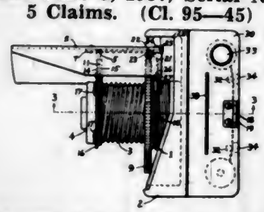
11. Shearing mechanism comprising a rotary flying shear, a variable speed motor connected to the shear to provide a driving means therefor, a control means for the motor, means to deliver stock to the shear to be cut transversely into separate lengths, a second driving means arranged to operate at a speed varying directly with the delivery speed of the stock, a mechanically positive variable-ratio transmission having a power input element and a power output element, means connecting one of said driving means to the power input element to drive the same, means to so adjust the control means in accordance with both the speed of the other of said driving means and the speed of the power output element as to maintain said speeds in a predetermined ratio, and means to adjust the ratio of the transmission in steps corresponding to units of length in the pieces cut from the stock.

2,187,092
APPARATUS FOR DRILLING WELLS
William J. Newman, Chicago, Ill.
Application April 21, 1937, Serial No. 138,152
1 Claim. (Cl. 255—72)



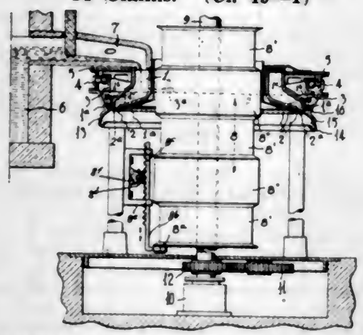
In an apparatus for drilling wells of large diameter for foundations, the combination with a large cylindrical drill formed of a plurality of detachable tubular sections, bayonet joints for securing the sections together, each section being provided with a corresponding tubular section spaced inwardly therefrom and secured to the corresponding outer section, the inner sections being adapted to form butt joints when the outer sections are fastened together, means for turning the cylindrical drill and parts attached thereto, a plurality of pairs of brackets projecting downwardly from the lower edge of the outer tubular section, horizontal shafts carried by each pair of brackets and positioned radially with respect to the drill, a plurality of discs carried by each of said shafts, cutters detachably secured to the outer peripheries of the discs and positioned close together, the arrangement being such that the cutters will cut a circular kerf of sufficient width to permit the drill string to pass therethrough while leaving a center core substantially the full depth of the well which may be removed by clam shell buckets or the like, substantially as described.

2,187,093
CAMERA
Charles W. Peterson, Cincinnati, Ohio
Application June 3, 1937, Serial No. 146,248
5 Claims. (Cl. 95—45)



4. In a camera, the combination with a camera body, of a tubular member threadably engaging said body, a lens carried by said member, a flange formed on said member for rotating the latter to simultaneously shift said member and lens axially to focus the latter, said flange being formed with a spirally arranged focusing scale, a leaf spring having one end secured to said body and a flexible portion arranged to yieldably engage said flange, and a pointer on said flexible portion adapted to cooperate with said scale to indicate the distance for which said lens is focused.

2,187,094
APPARATUS FOR SPINNING AND WINDING GLASS FILAMENTS
Johannes Pink, Weisswasser in Lausitz, Germany, assignor to Patent-Treuhand-Gesellschaft für Elektrische Gluhlampen m. b. H., Berlin, Germany
Application October 6, 1937, Serial No. 167,645
In Germany October 16, 1936
14 Claims. (Cl. 49—1)



1. Apparatus for spinning and winding glass filaments, comprising a large number of nozzles disposed substantially in a horizontal circle, said nozzles extending substantially in the direction of the axis of said circle and opening downwardly, means for feeding fluid glass to said nozzles, means for jointly moving the nozzles in a path substantially coinciding with said circle, whereby, through centrifugal action, drops of glass with filaments attached thereto are centrifugally projected outwardly from the nozzles; a collecting ring encompassing the circle of nozzles concentrically, the said nozzles and ring being relatively movable in a path concentric with said circle, said ring extending downwardly from the nozzles for receiving and holding the glass drops projected from the nozzles, a vertically movable winding member disposed axially of the nozzle circle and of the collecting ring and having a diameter smaller than the circle of nozzles, whereby the glass filaments attached to the glass drops, centrifugally projected outwardly from the nozzles, are applied tangentially on the winding member.

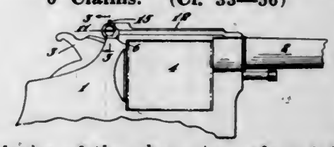
6. Apparatus for spinning and winding glass filaments upon a winding member to be covered with spun glass filaments, comprising a plurality of superposed spinning units, each comprising an annular receptacle for fluid glass, each receptacle having connected to its bottom a large number of spinning nozzles arranged substantially in a circle. a plurality of collecting rings each encompassing one of said circular arrangements of nozzles concentrically, said rings extending downwardly from their respective nozzles for receiving drops of glass projected therefrom, means for independently rotating each of the receptacles and circular arrangements of nozzles relative to their respective collecting rings, means for moving the winding member to be covered with filaments vertically through the central openings of the annular glass receptacles, said winding member having a smaller diameter than the circular arrangements of nozzles, whereby, when the receptacles and nozzles are rotated, drops of glass to which glass filaments are attached are thrown outwardly from the nozzles to the collecting rings and the glass filaments which stretch from said nozzles to said drops and are applied tangentially on the winding member.

2,187,095
APPARATUS FOR MOVING SLIDING PARTITIONS, WINDOWS, AND THE LIKE
George Stephen Piper, London, England
Application April 9, 1938, Serial No. 201,139
In Great Britain April 9, 1937
5 Claims. (Cl. 268—124)



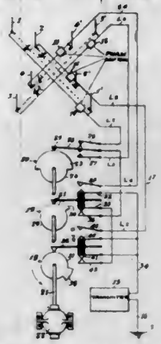
1. An apparatus for moving sliding windows or partitions, comprising a window frame including guide means having a vertical upper portion and an angularly disposed lower portion, a window slidable in said guide means, an elongated supporting plate arranged centrally within and below the lower half of the frame, a pair of motor-driven sprocket wheels supported in spaced relation on the plate, a guide rail on the plate, an endless chain passing around said sprocket wheels, means mounted on the plate for controlling the operation of the motor-driven sprocket wheels including a reversing switch and a pair of circuit breakers mounted on the plate, a projection on the chain, coupling means for pivotally connecting the projection and window, including a portion carried by the lower edge of the window and a portion slidable in said guide rail and connected to the projection whereby the window may be moved and tilted upon movement of the chain, and spaced members on the chain each to actuate one of the circuit breakers.

2,187,096
ADJUSTABLE SIGHT FOR FIREARMS
Edward S. Pomeroy, Springfield, Mass., assignor to Smith and Wesson, Inc., Springfield, Mass., a corporation of Massachusetts
Application September 28, 1939, Serial No. 296,897
6 Claims. (Cl. 33—56)



1. A device of the character referred to comprising a sight, a mount, and means for adjusting the sight including a screw having a circular head rotatably fixed in a circular socket in the mount, the periphery of the socket having a recess disposed in a plane perpendicular to the axis of the screw and the head having an axial opening disposed in the same plane, and a spring-pressed detent disposed in said opening for engagement with said recess, whereby the sight may be held in any one of a plurality of adjusted positions by the detent snapping into said recess.

2,187,097
RADIO BEACON SYSTEM
Francis Pope, Glendale, Calif.
Application June 12, 1937, Serial No. 147,909
6 Claims. (Cl. 250—11)



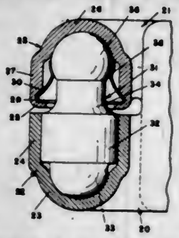
1. The method of producing a radio range having differently coded signals in diagonally opposite sectors, which comprises transmitting a radio wave simultaneously in two diammetrically opposite directions to produce a complete unitary code signal in one sector and part of a different

unitary code signal in the opposite sector, and transmitting a radio wave in said opposite sector only to complete said different code signal in said opposite sector.

2,187,098
FRANGIBLE BULB FOR AUTOMATIC SPRINKLERS AND THE LIKE
Arthur Roberts, Bolton, England, assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
No Drawing. Application February 7, 1938, Serial No. 189,180. In Great Britain November 5, 1936
2 Claims. (Cl. 169—41)

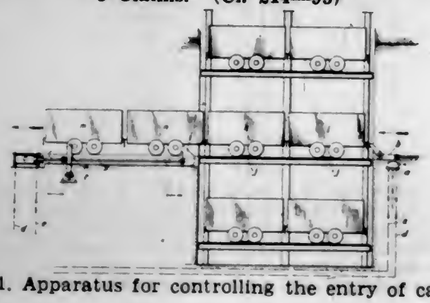
2. A frangible bulb for an automatic sprinkler or the like made of glass and having the outer surface of its wall under compressive strain and having the inner surface of its wall under tensile strain.

2,187,099
HINGE CONSTRUCTION
Harry Rodemeyer, Detroit, Mich.
Application August 3, 1936, Serial No. 94,090
4 Claims. (Cl. 16—142)



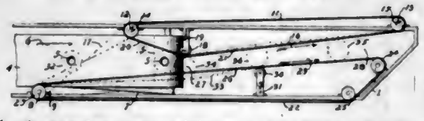
4. A hinge having a pair of substantially identical cup-shaped hinge parts positioned with their open sides facing each other and with their closed base portions forming internal spherically shaped thrust portions, a hinge pin secured in one of said hinge parts with one end thereof engaging the internal spherically shaped thrust portion of said hinge part and having a spherically shaped portion extending beyond the hinge part, and a spring retainer located in the other hinge part and engageable with the spherically shaped portion of said hinge pin upon relative movement of the hinge parts toward each other to yieldably retain said last mentioned portion in engagement with the internal spherically shaped thrust portion of said other hinge part.

2,187,100
AUTOMATIC CONTROL FOR SWITCHING CARS ON AND OFF MINE CAGES
Karl Ruhl, Unna-Konigsborn, Germany
Application April 18, 1938, Serial No. 202,813
In Germany April 24, 1937
5 Claims. (Cl. 214—95)



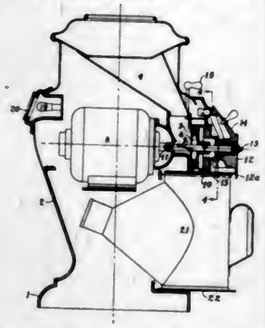
1. Apparatus for controlling the entry of cars into a mine cage, comprising in combination a thrust device for pushing cars into the cage and mechanism located wholly outside the cage and mine shaft and controlled by said thrust device whereby cars upon issuing from the cage are temporarily stopped in position to act as abutment for the entering cars, thereby stopping the latter in the position they are to occupy in the cage.

2,187,101
GRADER
Newton H. Schneider, Salinas, Calif.
Application November 22, 1937, Serial No. 175,814
4 Claims. (Cl. 209—102)



1. A grader comprising, a conveyor having a discharge end, opposed belts mounted to travel about vertical axes and overlying the conveyor in part and extending beyond the same and movable in the same direction, said opposed belts converging over the conveyor to a point adjacent the discharge end thereof and then diverging therefrom, and instrumentalities resiliently supporting the extreme convergent portions of the belts in separable relation to each other to permit passage of items of varying size therebetween.

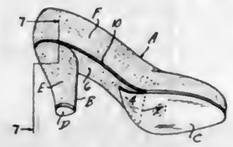
2,187,102
GRINDING MILL
Richard L. Schuhmann, Louisville, Ky., assignor to American Duplex Company, Louisville, Ky., a corporation of Kentucky
Application October 31, 1936, Serial No. 108,538
5 Claims. (Cl. 83—18)



1. A grinding mill comprising cooperating and relatively adjustable grinding elements operable through a range of grinding positions, a control member adapted to be shifted by the operator for adjusting the relation of the grinding elements, and a receptacle located below and in a position to directly receive ground material from the grinding elements, means for supporting the receptacle in said position, and means on the control member and dependent upon adjustment of said member for locking the receptacle against removal in any position of grinding adjustment.

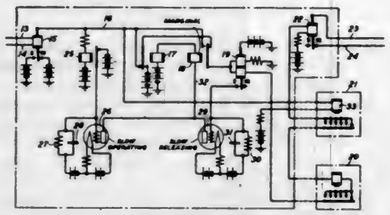
2,187,103
SHOE
David E. Spathelf, University City, Mo.
Application November 21, 1938, Serial No. 241,560
1 Claim. (Cl. 36—2.5)

A shoe comprising in combination, an upper portion, an outsole portion, and a heel portion, said outsole portion being longitudinally split near its tread surface from the end of the heel portion forwardly through the shank portion; and a cover of the same material as the upper secured to the outsole and covering the entire split



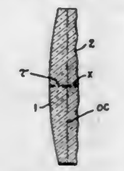
portion and extending up over the edges of the same, said cover being notched along the edges that contact the inner side of the outsole and being laid over the same, and a substantially triangular tab portion formed at the ball line of the split portion and secured in place over the shank portion of the outsole.

2,187,104
SIGNALING SYSTEM
Vaughn P. Thorp, Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,814
6 Claims. (Cl. 178—2)



1. In a signaling system, a station circuit having incoming and outgoing terminals normally connected for through transmission, transmitting apparatus associated with said outgoing terminal, means for opening said normal connection between said terminals and a quick-operating slow-releasing vacuum tube circuit responsive to signals from said transmitting apparatus for operating said means.

2,187,105
OPHTHALMIC LENS AND PROCESS OF MAKING THE SAME
Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Original application April 14, 1934, Serial No. 720,594. Divided and this application March 29, 1937, Serial No. 133,599
4 Claims. (Cl. 88—54)

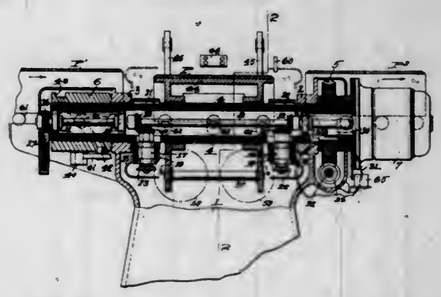


1. The method of forming a blank, for an ophthalmic lens, of lens medium of an index of refraction such as is generally used for ophthalmic lenses and which has a separately controlled shape magnification component S^1 which distinguishes from the inherent power magnification due to the focal power present in the finished lens, with the amount of said shape magnification component dependent upon the front surface power factor D_1 and the center thickness factor τ of the finished lens, comprising choosing a value for one of said factors which is consistent with the weight, appearance, and optical characteristics desired in the finished lens, calculating the other of said factors by means of the formula

$$S^1=\frac{1}{1-\frac{\tau}{\mu}D_1}$$

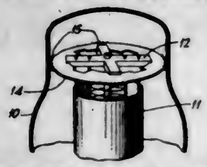
according to the index of refraction μ of the lens medium used for said blank, the desired magnification component S^1 and the said chosen value for the first of said factors, and forming a front optical surface, to a curvature simulating the front curvature consideration D_1 of the calculation, on a piece of lens medium of said index of refraction having a center thickness which is greater than the said determined thickness factor τ of said calculation by an amount which is such that after the said surface has been formed the center thickness of said piece of lens medium will still be sufficiently greater than said determined thickness factor τ to allow the forming of a rear ocular surface on said piece of lens medium, without reducing the center thickness of said piece of lens medium below the said determined thickness factor τ, which, in combination with said front optical surface, will produce the desired focal power D_e in the finished lens, said blank being adapted to be reduced to said determined center thickness factor τ during the forming of said rear ocular surface so as to introduce the focal power D_e desired with substantially no change in the amount of said separately controlled magnification component S^1.

2,187,106
PLATE REGISTERING AND TRIMMING MACHINE
Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application December 11, 1935, Serial No. 53,885
Renewed June 7, 1939
21 Claims. (Cl. 29—21)



1. The combination with a plate trimming machine, of a series of mirrors thereon adapted to register the plates by beams of light reflected from the mirrors and means for trimming the edge of a plate while in registered position.

2,187,107
MOUNT FOR ELECTRON DISCHARGE DEVICES
Charles P. Vogel, Millburn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Original application October 27, 1937, Serial No. 171,243. Divided and this application December 13, 1938, Serial No. 245,352
4 Claims. (Cl. 250—27.5)



1. An electron discharge device provided with an envelope having a tubular portion, a mount comprising an electrode assembly supported in said envelope and extending within said tubular portion, a ceramic spacer secured to said mount to extend transversely of said tubular portion of the envelope for spacing and supporting the electrodes of the mount and provided with slots in its outer portions and a spacer of resilient sheet insulation mounted on said ceramic spacer with portions engaged in said slots and extending between the ceramic spacer and the envelope and in contact with the walls of the envelope for resiliently supporting the end of the mount in a predetermined position within the envelope.

2,187,108
PROCESS OF PURIFYING LEAD NITRATE SOLUTIONS
Bodine Brinton Barrett, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1938, Serial No. 210,429
5 Claims. (Cl. 23—102)

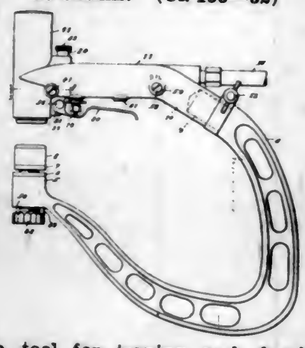
1. A method for purifying lead nitrate through removal of copper impurities present therein and while avoiding any substantial loss of lead, comprising subjecting a solution of lead nitrate to reaction with a soluble ferrocyanide from the group consisting of alkali and alkaline earth metal ferrocyanides, employing an excess amount of such ferrocyanide ranging from about 1.25 to about 2.5 times that stoichiometrically required to precipitate the copper as cupric ferrocyanide, and separating the purified lead nitrate from the reaction precipitate.

2,187,109
DOOR CLOSER
John S. Bernholtz, Carroll, Iowa
Application July 25, 1939, Serial No. 286,459
2 Claims. (Cl. 16—80)



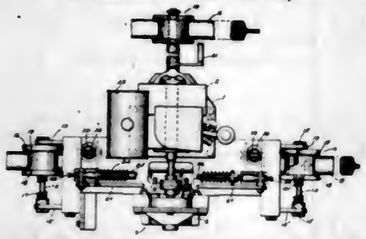
1. A door closer comprising a pivoted arm having one end secured to the door, a yoke on the other end of the arm, a stationary pin forming a pivotal support for said yoke, a sleeve rotatably mounted on a pin, and having a non-circular portion on one end, a toothed wheel secured to the non-circular portion of the sleeve for rotation therewith, spring means connecting the sleeve and the yoke for urging the arm in a door-closing direction and a dog engaging the wheel to secure the spring under tension.

2,187,110
PNEUMATIC FENDER HAMMER
Roy J. Champayne, Rockford, Ill.
Application April 11, 1938, Serial No. 201,225
20 Claims. (Cl. 153—32)



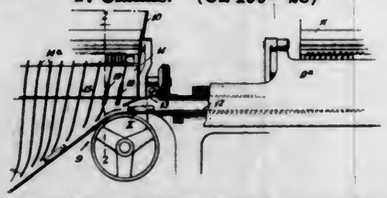
1. In a tool for ironing and shaping sheet metal, a forked frame providing two arms spaced so as to straddle a piece of work to be hammered, a die on the end of one arm adapted to engage one side of the work, a hammer head on the end of the other arm adjacent the other side of the work, said head comprising a working cylinder for a striker piston provided therein, means for delivering air under pressure to said cylinder, said cylinder having an air inlet port provided in the wall thereof, a sleeve slidable in said cylinder and extensible therefrom under air pressure into engagement with the work, and a striker piston in said cylinder having an end portion reciprocable in said sleeve toward and away from the work, said piston having a radial port provided in said end portion arranged to be covered and uncovered by said sleeve in the reciprocation of said piston, whereby to control the operation thereof.

2,187,111
PORTABLE DRILL
Homer P. Chandler, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application November 10, 1936, Serial No. 110,123
4 Claims. (Cl. 77—8)



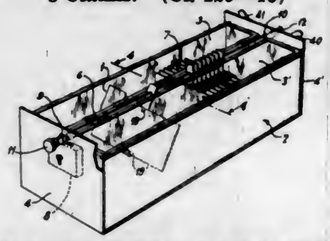
1. In a track drilling machine comprising, a frame movable longitudinally and transversely relative to a track, a power plant mounted on the frame and movable therewith, a drill including a drill bit carried by the frame and movable therewith, means to drive the drill from the power plant, rollers to mount the frame upon the track, the combination with said frame of manually operable means pivoted to the frame and arranged to engage a rail of the track to move the frame transversely of the track and clamp the rail between the last said means and the drill whereby the frame is prevented moving longitudinally of the track while being moved transversely thereof.

2,187,112
TYPOGRAPHICAL COMPOSING MACHINE
Henry Harrison Connor, Chicago, Ill., assignor to Mergenthaler Linotype Company, a corporation of New York
Application January 12, 1939, Serial No. 250,463
17 Claims. (Cl. 199—28)



1. In or for a typographical composing machine, an assembler entrance partition comprising upper and lower sections, the lower section being detachably supported by the upper section.

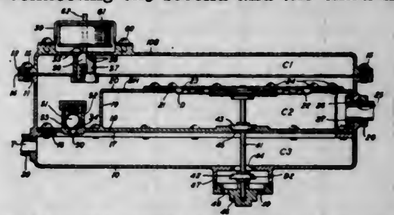
2,187,113
PROTECTED CARD FILE
Seymour S. Ehrenzweig, Brooklyn, N. Y.
Application April 26, 1938, Serial No. 204,363
8 Claims. (Cl. 129—16)



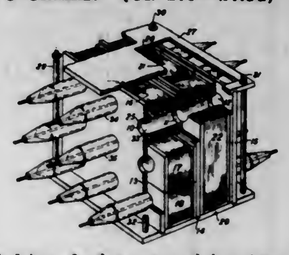
1. A card file comprising a container, a plurality of record cards therein, a pair of transparent covers pivoted to the container and spaced to provide a central guide slot, a rigid holder secured to each record card provided with a tab disposed in the slot.

2,187,114
PNEUMATIC DEVICE
Walter B. Ellwood, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1938, Serial No. 199,311
1 Claim. (Cl. 121—46.5)

A trigger amplifier comprising three air-tight chambers, one of said chambers having means for connection with an air pressure source, another of said air chambers having means for connection with a power applying device and the third of said chambers having a valve operable for controlling the operation of a diaphragm in one of the walls of the first-mentioned chamber, a system of valves actuated by the movement of said diaphragm to cause the air to flow to the chamber of said power applying device and a valve connecting the second and the third-mentioned chambers operable automatically upon a difference of air pressure in these chambers to cause the return movement of said diaphragm to normal following the closure of said first valve.



2,187,115
SWITCHING DEVICE
Walter B. Ellwood, New York, and William H. T. Holden, Long Island City, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1939, Serial No. 259,314
8 Claims. (Cl. 179—27.54)

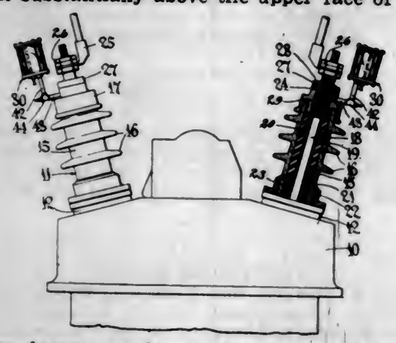


1. A switching device comprising two groups of long narrow coils arranged to cross each other to form a parallelepipedal aperture at each point where a coil of one group crosses a coil of the other group, a set of contacts of magnetic material in each of said apertures, each set operative in response to electromagnetic flux produced by the energization of the two coils surrounding said set of contacts, and magnetic shields surrounding said two groups of coils for limiting the electromagnetic flux produced by the energization of the two coils surrounding said set of contacts to affect only said set of contacts.

2,187,116
HIGH TENSION BUSHING
Robert M. Emblidge, Buffalo, N. Y.
Application October 12, 1936. Serial No. 105,203
1 Claim. (Cl. 174—12)

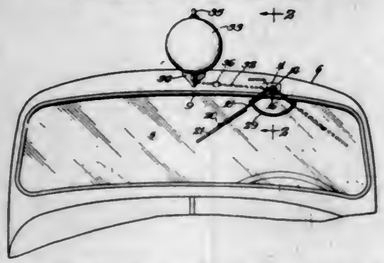
A terminal insulated bushing for high tension electrical conductors comprising a hollow cylindrical casing of dielectric material, an electrical conductor within the casing and extending coaxially therewith, non-conducting material within the casing and surrounding the conductor, said cylindrical casing having one end disposed over an electrical device and a closure cap at its other end, said electrical conductor extending through the one end of said casing into said electrical device and through the cap at the opposite end of said casing, a reservoir comprising a hollow transparent cylindrical portion disposed above said casing and having its axis parallel with and spaced from the axis of the casing, upper and lower closure members disposed against the upper and lower ends of said transparent

cylindrical portion and means for retaining said closure members in sealing relation with the ends of said transparent cylindrical portion, said closure cap containing a lateral port, a conduit communicating with the upper portion of said casing through said port and extending to and through the lower of said closure members to a point substantially above the upper face of said



lower closure member to form a sump portion within said reservoir, pressure equalizing means comprising a tubular element disposed in said lower closure member and extending upwardly to a point adjacent the upper closure member and downwardly through the lower closure member to communicate with the atmosphere, and means in said lower closure member for draining the sump portion of said reservoir.

2,187,117
WINDSHIELD WIPER ACCESSORY
Leslie W. Faulkner, Champaign, Ill.
Application October 20, 1937, Serial No. 169,981
5 Claims. (Cl. 15—250)



1. The combination with a windshield wiper including an oscillatory shaft, a stub arm fixedly mounted thereon, a wiper arm pivoted to said stub arm and a wiper blade carried by said wiper arm, of a tubular guard member stationarily mounted with respect to said wiper and comprising a frame providing spaced apart abutments for limiting the oscillatory movements of said wiper arm and a connecting portion overlying said arm and provided with apertures, and means for supplying liquid to said guard member.

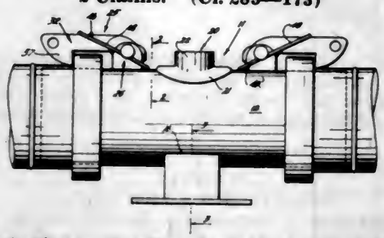
2,187,118
VALVE LATCH
John M. V. Ficklin, Washington, D. C.
Application October 24, 1939, Serial No. 301,064
2 Claims. (Cl. 74—504)

1. In combination with a rotary operating stem for a valve, said stem having a chordal facet, a latch plate pivotally supported adjacent to the stem, said plate having an opening therethrough, and a recess in communication with the opening, the pivotal mounting for the plate being below the stem, said pivotal mounting being also mounted to overbalance the plate whereby the



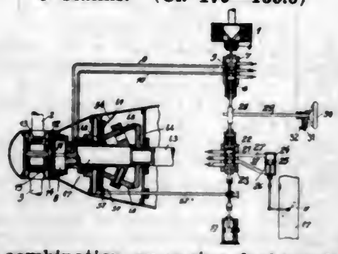
plate swings downwardly by gravity, the stem being freely disposed through the opening when the plate is raised and the facet being received within the notch when the plate is down to hold the stem against rotation.

2,187,119
IRRIGATION PIPE AND COUPLING
Eugene B. Fish, Los Angeles, Calif., assignor to West Coast Pipe & Steel Company, Los Angeles, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,400
2 Claims. (Cl. 285—173)



1. A pipe connection for irrigation pipes and the like comprising a male pipe member, a female member adapted to receive an end of said male pipe member, the female member being of substantially uniform wall thickness and being bent radially outward adjacent its end to form internally a gasket-receiving recess and externally an annular latch-engaging shoulder and a hooked latch mounted on the male member adapted to lockingly engage said shoulder at any point in its periphery.

2,187,120
AIRCRAFT ENGINE CONTROL
Fritz Gosslau, Berlin-Charlottenburg, and Johannes Schmidt, Berlin-Eichkamp, Germany, assignors to Siemens Apparate und Maschinen (Gesellschaft mit beschrankter Haftung), Berlin, Germany, a corporation of Germany
Application April 4, 1936, Serial No. 72,834
In Germany April 30, 1935
6 Claims. (Cl. 170—135.6)



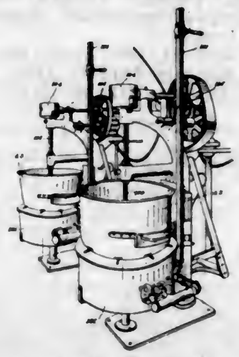
1. In combination, an engine, fuel supply means therefor, an operating shaft driven by said engine and driving an adjustable pitch propeller, hydraulic motor means for adjusting the pitch of the blades of said propeller, hydraulic motor means for adjusting said fuel supply means, separate hydraulic pitch control and fuel control means, respectively, for controlling said motor means, common operating means for determining the setting of said hydraulic control means, and separate auxiliary means for governing the actuation of said hydraulic control means according to the speed of said engine and according to the torque of said operating shaft, respectively.

2,187,121
VENETIAN BLIND SLAT
Thomas A. Graves, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 23, 1938, Serial No. 191,911
6 Claims. (Cl. 156—17)



1. A Venetian blind slat comprising a flexible fabric having a metal reinforcing member about its periphery embedded in a mass of adhesive.

2,187,122
UNCRYSTALLIZABLE SUGAR AND PROCESS OF MAKING THE SAME
Charles G. Guth, Baltimore, Md.
Application June 7, 1934, Serial No. 729,525
2 Claims. (Cl. 127—30)

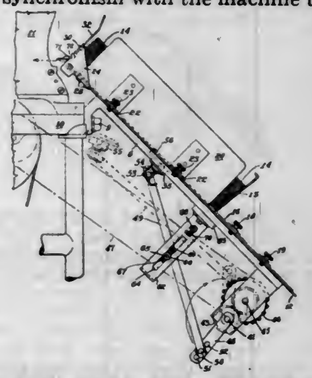


1. The method of converting sugar to an uncrystallizable liquid condition, which comprises subjecting substantially dry sugar in the substantial absence of water to a gradually increasing temperature, the final temperature reached being approximately 350° F., and stirring the material during the heating operation, the heat treatment being continued until the sugar has been converted into a permanently liquid condition without substantial change in taste and color.

2. A permanent liquid sugar obtain by gradually heating cane sugar above its melting point, said liquid sugar being substantially free from taste and color of caramelization products.

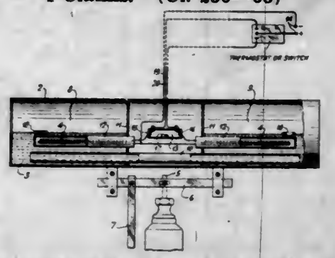
2,187,123
SHEET FEEDING MECHANISM
Richard S. Harm, Dormont, Pa., assignor of one-half to Guy W. Battles, Springdale, Pa.
Application September 24, 1938, Serial No. 231,535
6 Claims. (Cl. 271—44)

1. In a device for successively feeding individual sheets from the bottom of a stack of sheets, a longitudinally slotted support for a stack of sheets, a sheet displacer movable below said support and having means adapted during feeding movements to project through the slot of said support and frictionally engage the bottom sheet of the stack, a crank adapted to be driven in synchronism with the machine to which



sheets are to be fed, an operative connection between said displacer and said crank, means yieldingly holding said displacer in sheet feeding position during part of the travel of said crank, and means for holding said displacer out of contact with said stack during the remaining travel of said crank.

2,187,124
AUTOMATIC CONTROL DEVICE
Frank B. Harmon, Clifton, N. J.
Application December 30, 1937, Serial No. 182,448
4 Claims. (Cl. 236—68)

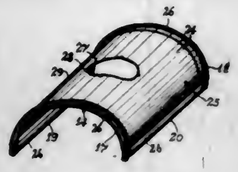


1. The combination with a pivoted receptacle having within it two chambers partly filled with a volatile liquid and connected by a passageway, one of said chambers being temporarily on a higher level than the other, and vice versa, of a heating coil in each of said chambers adapted to force the liquid from the one chamber to the other to cause movement of said receptacle about said pivot, a control arm linked to said receptacle and responsive to movement thereof, and means for supplying electrical energy to that heating coil which is in the lower chamber, and for cutting off said energy from said heating coil when said last chamber reaches the higher level, said means including a mercury switch located within said receptacle and another switch located externally of said receptacle.

2,187,125
DEVICE TO EASE CHILDBIRTH
Mark Hornstein, New York, N. Y.
Application February 2, 1937, Serial No. 123,587
4 Claims. (Cl. 128—361)

1. A support for the underside of the middle

portion of the body of an expectant mother, before childbirth, comprising an arch shaped body adapted to be placed transversely underneath said portion of the body of the expectant mother, an opening being provided in said arch



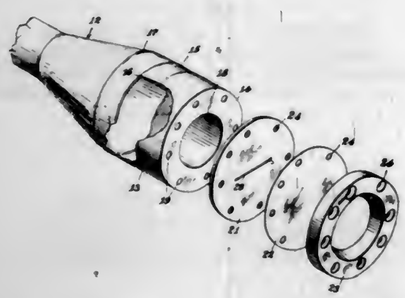
permitting the abdomen to freely depend therethrough, said arch shaped body having two longitudinal arcuate end frame portions, and a sheet material secured on said frames and stretched between them.

2,187,126

LENARD RAY TUBE HEAD

Emil A. Kern, South Orange, Stewart L. Clothier, East Orange, and Harold C. Hogencamp, Irvington, N. J., assignors to Kolorama Laboratories, Inc., Newark, N. J., a corporation of New Jersey

Application November 26, 1937, Serial No. 176,712
2 Claims. (Cl. 250—27.5)



1. In an electron-discharge tube, the combination comprising a solid electron impervious disc for hermetically sealing said tube from the atmosphere; means for detachably securing said disc to said tube; and a Lenard ray window including a supporting plate having a slotted aperture therein, an electron-permeable diaphragm, and means for detachably but hermetically sealing said plate and said diaphragm with said tube when said disc is detached.

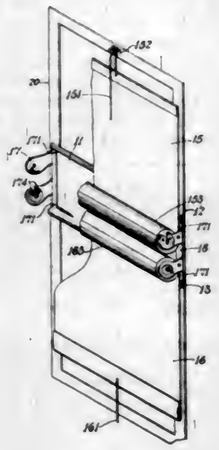
2,187,127

TRANSLUCENT LIGHT SHIELD

Thomas E. Kiernan, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application December 24, 1937, Serial No. 181,565
2 Claims. (Cl. 156—24)

1. In a window shade assembly having a window frame, rollers and a support mounted centrally across said window frame, translucent shades mounted on said rollers which unwind in opposite directions with a space between said rollers, the improvement which comprises a light shield of translucent material having essentially the same degree of translucency as said shades, said shield overlying said space between said



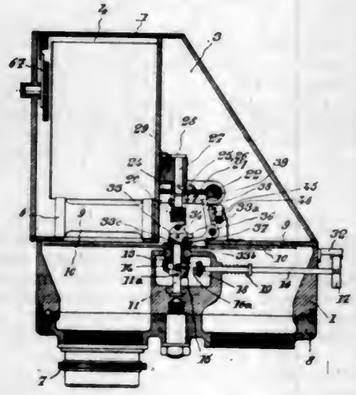
rollers, whereby the light passing between said rollers is screened.

2,187,128

PHOTOGRAPHIC CAMERA

Isaac Kitroser, Viroflay, France, assignor to Société Bronzavia, Courbevoie (Seine), France, a society of France

Application April 21, 1937, Serial No. 138,254
In Belgium April 25, 1936
11 Claims. (Cl. 95—61)



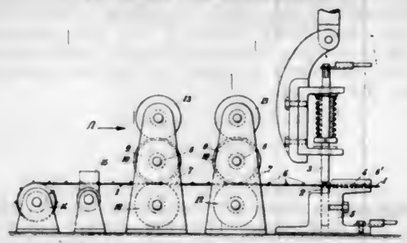
1. In a photographic apparatus having a casing, at least one lens mounted on said casing, and means inside said casing for holding a light sensitive surface element in the field of said lens, a flat shutter structure rotatable about an axis at right angles to its own plane mounted in said casing close to said means, a spindle rotatable in said casing about said axis, said shutter structure including a first sector-shaped blade having its apex on said axis and rigidly fixed to said spindle, a second sector-shaped blade spaced apart angularly from the first one so as to leave an angular slot between them rotatable about said spindle, a pinion rigid with said second blade, a comb-like part mounted on said spindle and movable into and out of mesh with said pinion, resilient means for urging said comb-like part into mesh with said pinion, whereby said second mentioned blade is angularly coupled with said spindle, a rod extending to the outside of said casing, an operating knob for said rod on the outside of said casing, the inner end of said rod being adapted to engage said comb-like member and to force it away from said pinion when said rod is pushed inwardly, a pinion keyed to said rod in such position as to come into mesh with the first mentioned pinion when said rod is thus pushed inwardly, whereby the second mentioned blade is then uncoupled from said spindle and can be caused to rotate with respect thereto by means of said rod, and a release mechanism for temporarily rotating said spindle about its axis, so as to permit a beam of light from said lens to sweep over the light sensitive surface element held by said first mentioned means.

2,187,129

APPARATUS FOR MAKING WELDED WIRE NETTING

Wilhelm Krämer, Emmerich Rhine, Germany

Application April 23, 1938, Serial No. 203,727
In Germany April 14, 1936
4 Claims. (Cl. 140—112)



1. An apparatus for making narrow bands of welded wire netting of longitudinal and transverse wires with meshes running in the direction of the length of the netting, comprising in combination a machine including electrodes for making welded wire nettings of a substantial width with guides for at least two neighbored ones of said longitudinal wires, said guides extending substantially as far as said electrodes, and a device arranged behind said machine for cutting the wire netting into narrow bands, said device comprising at least one set of cutters, said set having two cutters laterally spaced in relation to each other corresponding to the space between said two neighbored longitudinal wires, said cutters being arranged in line with said two guides respectively so as to cut out the pieces of the transverse wires between said two neighbored longitudinal wires.

2,187,130

TREATED PIGMENT AND PROCESS FOR PRODUCING THE SAME

Albert Lightbody, Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 24, 1937, Serial No. 138,743
6 Claims. (Cl. 134—78)

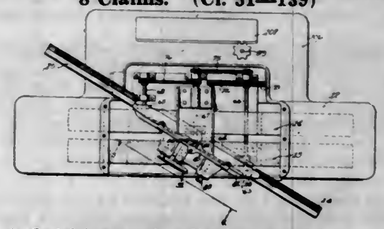
1. A process for rendering zinc sulphide-containing pigments stain resistant, comprising incorporating in said pigment a minor quantity of a relatively insoluble metallic thio salt from the group consisting of a thio cyanate, thio sulphate and xanthate.

2,187,131

FINISHING AND POLISHING METHOD AND EQUIPMENT

Carl J. Lippold, Wauwatosa, Wis., assignor to J. M. Nash Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 13, 1937, Serial No. 130,673
8 Claims. (Cl. 51—139)



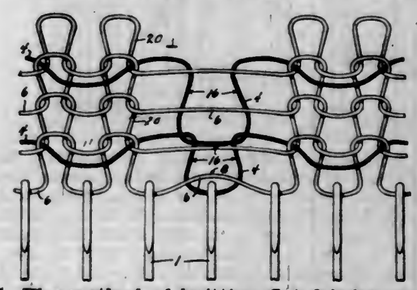
5. A finishing and polishing machine provided with plural polishing belts of substantial width, in combination with means for holding both belts with working portions in a common plane along an obliquely extending line, feed rollers for advancing rods and tubes axially along said zone, and thrust guides and pressure devices for holding the work to the belts along said line with substantially equal pressure at all points of contact, one of said belts having a relatively coarse abrasive surface, means for driving said belt in a direction tending to accelerate work rotation, and means for driving the other belt in an opposite direction.

2,187,132

METHOD OF AND APPARATUS FOR MAKING KNITTED FABRIC

George L. Logan, Syracuse, N. Y., assignor to Tompkins Bros. Co., Syracuse, N. Y., a corporation of New York

Application July 6, 1937, Serial No. 152,213
9 Claims. (Cl. 66—80)



1. The method of knitting flat fabrics on circular spring needle knitting machines, which comprises introducing a thread or yarn into all but certain spaced needles and knitting the same to form a knitted body having floats at spaced points therein, and introducing a contrasting lay-in thread or yarn in the same horizontal row of stitches and knitting the same at the certain spaced needles aforesaid in such manner that the latter thread or yarn appears on the face of the knitted body only at the spaced float points aforesaid.

2,187,133

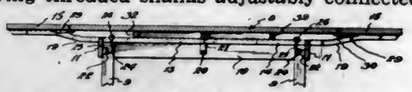
EXTENSION TABLE

Valentine C. Luppert, Williamsport, Pa.

Application April 9, 1938, Serial No. 201,170
1 Claim. (Cl. 311—56)

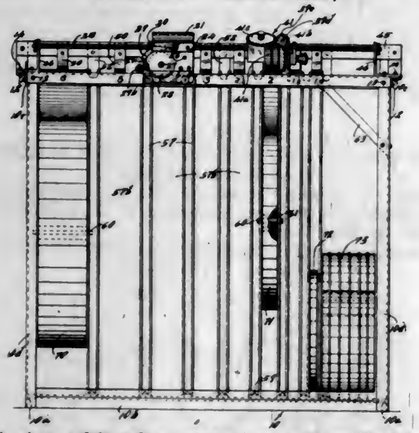
An extension table comprising a stationary top, an extension leaf, a pair of angle iron rail mem-

bers slidably supported by the stationary top and supporting the extension leaf, each rail having parallel end portions and a medial cam portion, said cam portion being adapted to cooperate with a portion of the stationary top for elevating the extension leaf into the plane of the upper surface of said top when the leaf is pulled outwardly in a direction away from the stationary top, hooks having threaded shanks adjustably connected to



the rails inwardly of the cam portions of the latter, cross pins secured to the stationary top and engageable by the hooks for holding the extension leaf in raised position, and a rigid bolt slidably connected to the bottom of the extension leaf and adapted to be projected under a portion of the table top to prevent the leaf from being moved upwardly after the hooks have been brought into engagement with said pins.
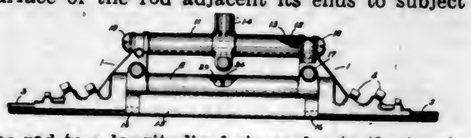
2,187,134
BELT HANDLING DEVICE
Charles M. McCarthy, Minneapolis, Minn.
Application February 27, 1939, Serial No. 258,775
10 Claims. (Cl. 33—130)



1. A machine for measuring and cutting belting having in combination, a frame, means forming in said frame a plurality of chambers having much greater heighth than width, means for supporting rolls of belting in said chambers respectively, a table supported above said frame, a member extending across said frame in the rear of said table over which different lengths of belting may be passed to extend forwardly on said table, means engaging said belting to press the same against said member to prevent retrograde movement thereof, a measuring device connected to said frame, movable into alinement with any one of said chambers and past which one of said lengths of belting may be moved, said device being adapted to be engaged and operated by said belting to measure the same and means movable longitudinally of said table for cutting off the piece of belting measured.

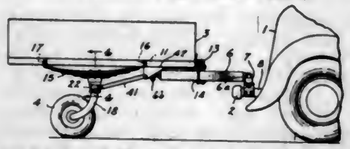
2,187,135
SECTION INSULATOR
Louis A. Meisse, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application May 27, 1938, Serial No. 210,403
10 Claims. (Cl. 191—39)

1. A sectionalizing device for use in an overhead system comprising a pair of spaced end members each having a threaded socket and also means adapted for attachment to other elements forming a part of the overhead system, an elongated tension member having threaded ends seated in the sockets and cooperating with the threads in the sockets to hold the end members in fixed spaced relation, the tension member comprising an elongated metal rod having its longitudinal surface entirely enclosed by a covering of fibrous insulating material impregnated with a synthetic resin to render it waterproof, the covering interlocked directly to the rod along the surface of the rod adjacent its ends to subject



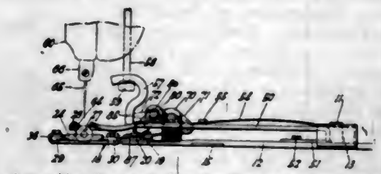
the rod to a longitudinal stress due to the longitudinal stress upon the device, the said interlocking comprising a spirally formed means extending around the rod and having a face sloping at an acute angle to the longitudinal axis of the rod to effect an outward compressive force upon the covering confined within the socket greater than the longitudinal stress in the rod when the end members are under stress tending to separate them, an insulating compression member interposed between the end members and an insulating bridging member held between the end members to guide a current collector across the device.

2,187,136
TRAILER
Ira F. Mellinger, Leetonia, Ohio
Application June 2, 1938, Serial No. 211,352
8 Claims. (Cl. 280—33.4)



7. A vehicle of the character described, comprising a frame, a pair of longitudinally extending semi-elliptic springs, a caster wheel support attached to each spring, each support comprising a spindle and a fork rigidly attached to the spindle, a bearing member rigidly attached to the under side of each spring, each bearing member having a vertical bore to receive a spindle and an integral laterally projecting lug, and a cross bar rigidly attached at its ends to the lugs of said bearing members.

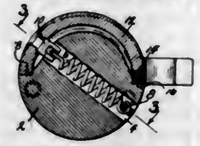
2,187,137
BUTTON SEWING ATTACHMENT
Vincent J. Muszynski, Buffalo, N. Y.
Application May 5, 1939, Serial No. 271,919
6 Claims. (Cl. 112—115)



1. An attachment for button sewing machines

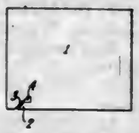
of the class described comprising a horizontally pivotal arm adapted to be engaged by a moving part of the machine for being alternately oscillated between successive stitches, button retaining means including a plate portion secured to the outer end of said arm for oscillation therewith and in vertical alignment with the stitching mechanism of the machine, an opening therethrough for the passage of a sewing machine needle, a stationary clamping element disposed at one side of said opening and a clamping element at the opposite side of said opening and movable upon said plate portion toward and away from the stationary clamping element, resilient means urging said movable clamping element toward the stationary clamping element, and toggle linkage acting between said movable clamping element and an actuating element associated with the sewing machine proper for moving said movable clamping element away from the stationary clamping element against the resistance of said spring at the conclusion of a button sewing operation.

2,187,138
COLLAPSIBLE SHAFT
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application October 16, 1937, Serial No. 169,364
3 Claims. (Cl. 242—72)



1. In a collapsible shaft the combination of a pair of longitudinal sections, one of which is fixed, shoulders formed on said fixed section, the other end movable section lying intermediate said shoulders, a wedge between said movable section and fixed section, said wedge being slidable to move said movable section outwardly to vary the outside diameter of the assembly, said fixed section being provided with a plurality of bores, springs in said bores having one end anchored to the fixed section and the other end anchored to said movable section whereby to maintain said movable section in collapsed position when said wedge is withdrawn.

2,187,139
INTERLOCKING ROOFING UNIT
William L. Rowe, New Rochelle, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 1, 1937, Serial No. 166,757
2 Claims. (Cl. 108—8)



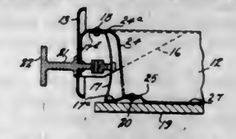
1. A semi-rigid asbestos-cement shingle capable of only slight flexing without fracture, to be laid with similarly shaped shingles, said shingle having a locking tongue formed in and integrally connected to the body portion thereof, said tongue being defined by an opening extending inwardly from an edge of the shingle, said opening having an edge projecting substantially perpendicularly with respect to said shingle edge and inwardly from the intersection of the upper boundary of said tongue with the line of integral connection of the tongue to the shingle a distance not less than substantially eight times the thickness of the shingle to permit deflection of the tongue without rupture of the material.

2,187,140
CARPET
Harold P. Faris, Philadelphia, Pa., and Daniel W. Yochum and Russell B. Logan, Trenton, N. J., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application September 25, 1939, Serial No. 296,481
7 Claims. (Cl. 154—49)



1. A floor covering comprising a ply of open woven fabric, a ply of sponge rubber pressed to one side of the fabric with sufficient pressure to force rubber into the interstices of said material and vulcanized to said fabric, an adhesive coating over the opposite side of said fabric, and pile material carried by said coating, said pile material being individual upstanding fibers having ends embedded in said coating.

2,187,141
ICE TRAY
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Original application October 27, 1933, Serial No. 695,398. Divided and this application September 19, 1936, Serial No. 101,568
14 Claims. (Cl. 62—108.5)

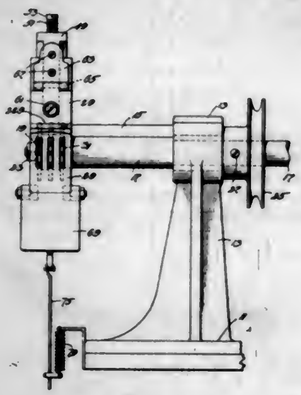


1. The combination with an ice freezing receptacle adapted to engage a refrigerated support therefor, of a device on the receptacle for breaking an ice bond between the receptacle and such support, said device comprising a strip of resilient material, and means constructed and arranged to fix a portion of said strip to a part of said tray and to maintain a second portion of said strip at a point adjacent to the plane of the bottom of said tray, said strip being deformable to exert force on said support and transmit sufficient force to said part of the tray to which said strip is fixed to release said tray from said support.

2,187,142
GROOVING MACHINE
Sante Baroni and Peter Baroni, Philadelphia, Pa., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 29, 1938, Serial No. 205,044
14 Claims. (Cl. 12—51)

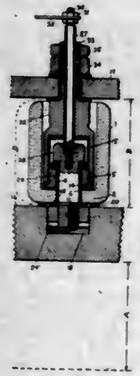
1. A machine for operating upon a lasted shoe having, in combination, a rotary cutter-head comprising spaced cutters, a yieldingly mounted plate having slots to receive the peripheries of the cutters for facilitating the presentation of a lasted shoe in position to cause the cutters to cut grooves

in the overlasted margin of the upper of the shoe, and adjustable means for limiting the extent of



yielding movement of the plate to predetermine the depth of the grooves.

2,187,143
INSULATOR
Woldemar A. Bary, New York, N. Y.
Application January 22, 1938, Serial No. 186,358
3 Claims. (Cl. 174—31)



1. An insulator for supporting an anode in a vessel, comprising an elongated member adapted to be attached at one end to the wall of the vessel, the other end of the member being in the shape of a socket, a bolt fitted by its head in the socket, an annular plug threaded into the socket around the bolt for retaining the bolt head in the socket, means to insulate the bolt from the elongated member, a cup-shaped insulation member having a central aperture fitting over the bolt, a nut on the bolt clamping the insulation member against the elongated member, means to support the anode on the end of the bolt, and means to seal the space around the bolt between the insulation member and the elongated member, the insulation member extending on the outside of the elongated member to within a short distance from the wall of the vessel and at a distance from the elongated member, the elongated member being thereby exposed to the liquid in the vessel.

2,187,144
PREPARATION OF ORGANIC SULPHONATES
Adam Carr Bell, Gilbert De Wayne Miles, and Kenneth Lyman Russell, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 17, 1938, Serial No. 230,384
17 Claims. (Cl. 260—400)

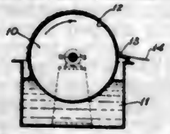
1. A process of converting organic sulphonates of a particular cation to sulphonates of a different cation which comprises dissolving the sulphonates to be converted in a mixture of water and an organic solvent, treating the solution with a concentrated aqueous solution of a salt containing the different cation, separating the liquid phases so formed, and recovering the converted sulphonate from the aqueous-organic solvent phase, said mixture of water and organic solvent having the properties of dissolving both the original and the converted sulphonate and causing the formation of immiscible liquid phases.

2,187,145
EJECTOR FORK
John Clark Brown, New York, N. Y.
Application August 7, 1937, Serial No. 157,830
1 Claim. (Cl. 30—129)



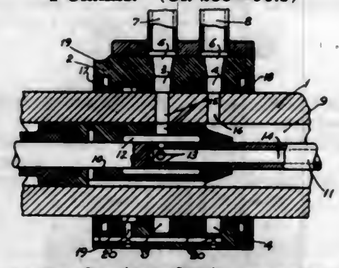
A fork made of two pieces of wire, one wire being bent to produce a forked end, an intermediate shank portion and a handle end containing two loops arranged end to end, all the parts being aligned, the second wire having one end passing through the innermost of said loops of the first wire and formed at its end into a finger piece and having an intermediate portion slidable parallel to and under the shank of the first wire and having a loop on its other end to form a stripper embracing the forked end of the first wire.

2,187,146
PROCESS OF COAGULATION
William Stansfield Calcott, Woodstown, N. J., and Howard Warner Starkweather, New Castle County, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 24, 1936, Serial No. 107,332
4 Claims. (Cl. 18—57)



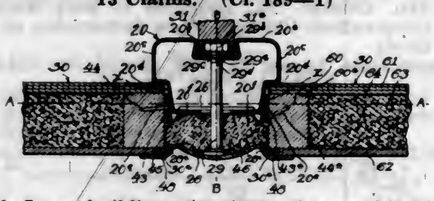
1. In a process involving coagulation of an aqueous dispersion of a halogen-2-butadiene-1,3 polymer, the steps which comprise rapidly freezing said dispersion in a mass at least one dimension of which is less than about 0.1 inch and maintaining the mass below the freezing temperature of the dispersion until coagulation is complete.

2,187,147
SWIVEL JOINT
John Elov Englesson, Kristinehamn, Sweden
Application April 5, 1939, Serial No. 266,144
In Sweden January 10, 1938
4 Claims. (Cl. 285—96.3)



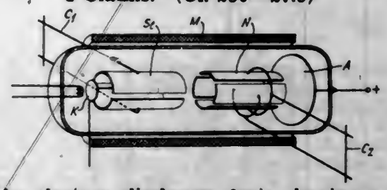
1. A means for transferring a pressure fluid from a stationary conduit to a rotary conduit, or vice versa, comprising in combination with said stationary conduit and said rotary conduit, a stationary sleeve around said rotary conduit, a passage for high pressure fluid in said sleeve connected to said stationary conduit, an aperture in the wall of said rotary conduit providing communication between said rotary conduit and said passage in said sleeve, a packing box at least at one end of said stationary sleeve, a space in the slide face between said rotary conduit and said sleeve intermediate said packing box and said passage in said sleeve, a passage for discharge of fluid communicating with said space, and a low pressure conduit communicating with said last-mentioned passage.

2,187,148
BUILDING SYSTEM
Howard T. Fisher, Winnetka, Ill., assignor to General Houses, Inc., Chicago, Ill., a corporation of Delaware
Application April 9, 1937, Serial No. 135,830
13 Claims. (Cl. 189—1)



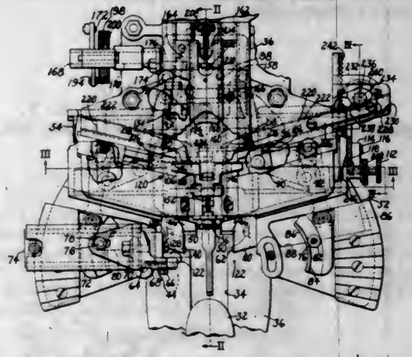
1. In a building structure, the combination of a framework including an upright hollow stud formed of sheet metal and having shouldered recesses along two outer corners thereof, a plurality of similar panels, a complementary sheet metal retaining strip adapted to extend along said stud and detachably connectable to the latter to engage the outer margins of said panels and secure their edges within said shouldered recesses, heat insulation means interposed between said stud and said retaining strip, including a strip of vapor-proof material laid over the exposed face of said stud between said panel edges and extending outwardly along the said panel edges to a point adjacent said retaining strip, and mastic applied along the edges of said vapor-proof strip at the outer corners of said panel edges to seal the joint between said panels and said retaining strip.

2,187,149
MAGNETRON
Karl Fritz, Neubabelsberg, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 25, 1939, Serial No. 264,061
In Germany March 29, 1938
3 Claims. (Cl. 250—27.5)



1. An electron discharge device having a plurality of electrode segments surrounding a space and forming a control system, a group of anode segments axially spaced from said electrode segments and coaxial therewith and forming the output system, the number of anode segments being a multiple of the number of electrode segments, means adjacent the end of the control system for supplying electrons axially of said electrode and anode segments and means for inducing a magnetic field parallel to and within said electrode and anode segments.

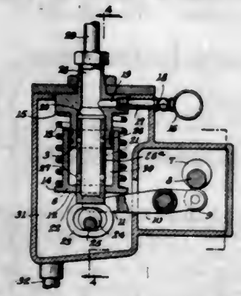
2,187,150
HEEL-SEAT FITTING MACHINE
George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 11, 1938, Serial No. 218,655
In Great Britain July 27, 1937
9 Claims. (Cl. 12—31.5)



1. A heel-seat fitting machine having, in combination, a gage for positioning a shoe, a pair of knives movable in predetermined paths respectively to reduce the heel-seat portion of an attached sole of the shoe, a heel gage comprising a movable member for measuring a heel lengthwise, a slide for centralizing the heel in the heel gage, and an abutment for measuring the positioned heel widthwise, means for locating the shoe gage in different adjusted positions in accordance with the position of the movable mem-

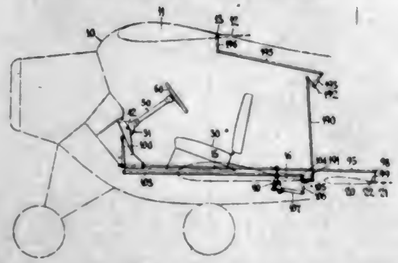
ber of the heel gage, and mechanism for varying the respective paths of movement of the knives in accordance with the position of said abutment of the heel gage thereby varying the width to which the heel-seat portion of the sole is reduced in accordance with the width of the heel in the heel gage.

2,187,151
THROTTLING PUMP
George A. Gillen, New York, N. Y.
Application July 14, 1936, Serial No. 90,451
3 Claims. (Cl. 103—41)



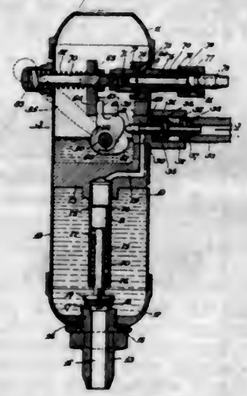
1. A throttling pump comprising companion relatively movable cylinder and piston pumping elements and a throttling sleeve member extending through the end of said cylinder and piston elements and ported to cooperate with both pumping elements and shiftable to vary the pumping effect of such elements and inlet and outlet connections for said pump structure the porting of said throttling sleeve including a port located and constructed to provide continuous communication between the interior of the sleeve and space between said sleeve and surrounding pumping cylinder and a port located and constructed to provide in alternate positions of the sleeve communication between the interior of the sleeve and said surrounding space within the cylinder or communication between the interior of the sleeve and space outside both the sleeve and the cylinder element.

2,187,152
AIRCRAFT CONTROL
Joseph M. Gwinn, Jr., Buffalo, N. Y.
Application February 27, 1937, Serial No. 128,255
11 Claims. (Cl. 244—83)



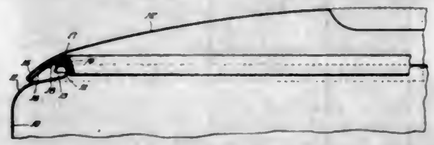
1. In an aircraft, a supporting structure including a pair of opposed sides, a movable flight control surface connected to each of said opposite sides of said structure, a series of pivotally connected links constituting a coupling between said surfaces, one of said links providing compound pivotal action to impart to the surfaces equal concurrent pivotal movements in the same direction or pivotal movements in opposite directions, and plural control means connected to said one link to operate the latter selectively in its compound pivotal movements.

2,187,153
DISPENSING APPARATUS
Charles A. Huber, Philadelphia, Pa.
Application May 23, 1939, Serial No. 275,295
14 Claims. (Cl. 225—21)



1. Apparatus adapted to be connected to a source of supply of charged liquid for dispensing said liquid, said apparatus comprising a casing, a normally closed inlet valve, a normally closed gas release valve, a normally closed liquid discharge valve, manually actuated means for opening the gas release valve, manually actuated means for opening the inlet valve when the gas release valve is closed thereby to refill the casing, manually actuated means for opening the inlet valve when the gas release valve is open thereby to agitate the liquid within the casing to drive off the greater part of the gas therefrom before the same is delivered from the casing, and means for opening the liquid discharge valve.

2,187,154
RECEPTACLE COVER
Roy C. Ingersoll, Oak Park, and Ray H. Sullivan, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 14, 1937, Serial No. 159,088
2 Claims. (Cl. 220—46)



1. A receptacle having an opening, and a fluid-tight cover for said opening, said cover comprising a unitary metallic sheet having an inwardly and upwardly folded edge to reinforce the sheet thereat, said folded edge having a downwardly projecting flange by which the cover is centered on the receptacle, and sealing means between the inwardly folded edge and sheet for preventing the seepage of fluid therebetween and substantially surrounding said extending portion to form a seal between the cover and opening.

2,187,155
PRESERVATION OF RUBBER
Joseph R. Ingram, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 7, 1936, Serial No. 78,466
20 Claims. (Cl. 260—799)

1. The method of preserving rubber which comprises treating rubber with a product obtainable by reacting in the presence of an inert organic solvent under cooling conditions and substantially below room temperature a N,N' diaryl arylene diamine and a sulfur chloride, wherein a nitrogen atom of said secondary amine is joined directly to a sulfur atom.

2,187,156
SHOCK ABSORBING MECHANISM
George A. Johnson, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 24, 1937, Serial No. 181,575
2 Claims. (Cl. 213—40)



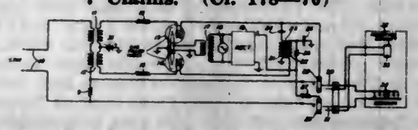
1. In a shock absorbing mechanism, the combination with a casing of tubular cross section; of a gang of cushioning units in said casing arranged in series lengthwise of the casing, said units corresponding in contour to the cross sectional shape of the interior of said casing and fitting said interior, each unit including a flat rubber mat disposed transversely of said casing, said mat comprising a continuous, imperforate piece of material, said mat having spaced raised ribs on one side thereof, the opposite side of said mat presenting a continuous flat surface, and a flat metal backing plate on one flat side of which the flat side of said mat is seated and on the other flat side of which the ribs of the adjacent unit bears, said plate having flanges at its outer edges overhanging said mat and closing the space between adjacent plates; and follower means at opposite ends of said casing having pressure transmitting engagement with said gang of units.

2,187,157
SETTING-OUT BOARD
William C. Johnson, Milwaukee, Wis., assignor to Machinery Development Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 1, 1938, Serial No. 227,913
2 Claims. (Cl. 149—12)



1. A setting-out board of the character described comprising a sheet-like body portion constituted of aluminum alloy and having a film of sulphates on at least one surface thereof and means for protecting said sulphate film from the action of fluids contained in wet skins, and for simultaneously controlling the degree of adhesion between the said film and wet skins, said means comprising a coating of oil applied to said sulphate film.

2,187,158
TELEGRAPH SYSTEM
Fullerton S. Kinkead, Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1936, Serial No. 97,361
7 Claims. (Cl. 178—70)



1. An electric impulse repeater comprising a pair of gaseous conduction tubes, input and output circuits therefor, a source of unidirectional potential connected in said output circuits which has a value greater than zero at all times, means connected to said input circuit to initiate a discharge through either of said tubes, means connected between the output circuits of said tubes to extinguish either one of said tubes when a discharge is initiated through the other of said tubes, and additional means in the output circuit of one of said tubes to extinguish said tube independently of the condition of the other of said tubes.

2,187,159
FLOWERPOT HOLDER AND STAND
Roderick M. Koch, Evansville, Ind.
Application November 9, 1938, Serial No. 239,719
5 Claims. (Cl. 248—121)



5. The combination of a standard, a scroll fixed to the upper part of the standard, an inverted scroll fixed to the standard below the first scroll, a base member fixed to the lower scroll, an auxiliary base member pivoted to the fixed base member, a keeper to hold the auxiliary base member in operative position and a plurality of individual flowerpot holders on the scrolls.

2,187,160
FOUNTAIN PEN
Laura Kohler and Arthur Kohler, Chicago, Ill.
Application September 10, 1938, Serial No. 229,363
9 Claims. (Cl. 120—47)

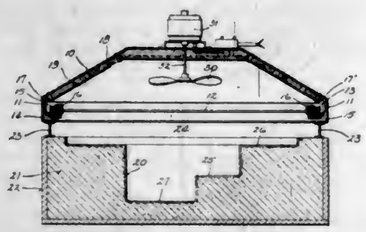
1. In a fountain pen, a barrel having an ink chamber, means for filling said chamber including a piston operating in the ink chamber, a plunger operating in the piston, a sack anchored to the barrel and extending between the piston and plunger for expansion or retraction by the

plunger, and means for sealing the latter means and closing off the same including said sack and



a rigid sleeve in the sack and anchored to the barrel.

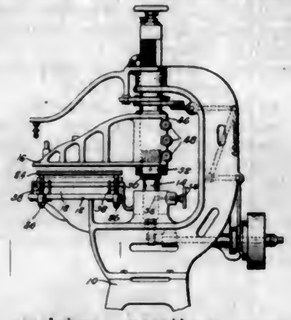
2,187,161
MOLD SKIN DRIER
Frank M. Kulka, Milwaukee, Wis., assignor to Motor Castings Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 15, 1937, Serial No. 179,957
1 Claim. (Cl. 34—26)



In combination with a mold flask, a mold skin drying device including a hood having surfaces for reflection of heat, said hood being provided with a skirt portion, spaced heating elements extending across the hood and mounted in said skirt portion, means for removably supporting the hood above and in spaced relation to the flask to form a ventilating passage between the skirt portion and the flask to release vapor generated by the drying of the mold skin, and impeller means above the heating elements for propelling heated air into the deep portions of the mold to effect a rapid drying of the same and to insure a uniform heating of the mold skin surface.

2,187,162
CLICKING MACHINE
Euclid I. La Chapelle, Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 21, 1938, Serial No. 191,630
4 Claims. (Cl. 164—78)

4. A clicking machine comprising a frame, a cutting block mounted in the frame, a plurality of rods extending heightwise of the frame and adjacent to the cutting block, an auxiliary cutting block mounted upon the ends of the rods in spaced relation to the first-mentioned cutting block, and a presser arm selectively cooperable with either of the cutting blocks for producing



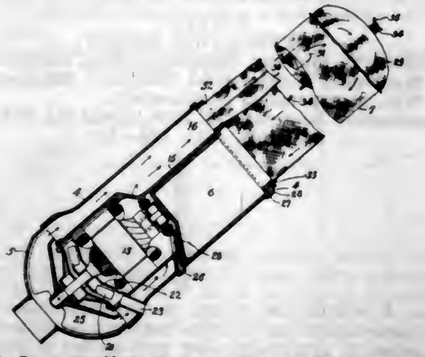
pressure applying operations upon material positioned thereon.

2,187,163
DEODORANT PUFF AND METHOD OF MAKING SAME
Walter Langer, New York, N. Y.
Application May 28, 1937, Serial No. 145,185
12 Claims. (Cl. 132—78.5)



1. A deodorant puff which comprises a foundation member of soft and pliable material having numerous fibers extending from at least one side thereof, a powdered base material and a deodorant material; said deodorant material being coated upon said powdered base material and said powder base material as coated with said deodorant material being carried by said fibers so as to be readily detachable from said fibers upon applying said puff to the skin.

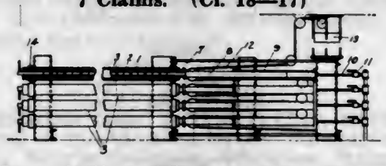
2,187,164
PUSH-BROOM-TYPE VACUUM CLEANER
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Original application April 27, 1932, Serial No. 607,781. Divided and this application January 21, 1937, Serial No. 122,196
3 Claims. (Cl. 15—16)



1. In a suction cleaner, the combination of a filter unit, a dirt-laden air duct-connector, and a motor-suction-unit all in rigid interconnected longitudinal arrangement with the filter unit at

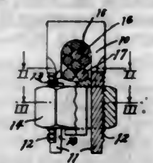
the top of the cleaner, the said air-duct in the middle but at one side and wholly between the filter unit at the top and the motor-suction-unit at the bottom, an upwardly impinging spring joined to the top of said motor-suction-unit and a ring member joined to the top of said duct-connector, said combination surrounding on three sides a manually removable dirt receptacle being substantially cylindrical in form and having a diameter substantially that of the motor-suction-unit, a rigid ventilated cylindrical filter-cover surrounding a cylindrical filter, joined to the top of said connector and said ring member and supporting an operator's handle at the top, said receptacle making a substantially air-tight juncture with said ring member when held upward by said spring, the said combination of parts making a substantially annular structure supportable on a floor nozzle connectable with the motor-suction-unit.

2,187,165
METHOD OF CURING PLASTIC MATERIAL AND ARTICLES, AND APPARATUS THEREFOR
Hugh C. Lord, Erie, Pa.
Application October 30, 1935, Serial No. 47,478
7 Claims. (Cl. 18—17)



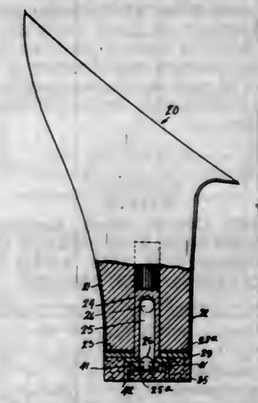
1. In a plastic molding apparatus, the combination of a molding tube; caps slidingly mounted in the tube having mold faces adapted to form the ends of an article having a bushing of plastic material surrounded by a shell; a non-expansible pressure tube between the caps and having its ends terminating adjacent the mold faces of the caps and adapted to retain through its resistance to expansion the shell of the article against bulging from pressure of the plastic material under pressure of the caps, said pressure tube being removable from the molding tube with the caps; and means exerting pressure on the caps for exerting pressure on the plastic material between the caps.

2,187,166
CONNECTOR
John B. Madden, San Francisco, Calif.
Application July 5, 1938, Serial No. 217,406
8 Claims. (Cl. 24—243)



4. In a connector of the split bolt type, the combination of a split bolt having its closed end formed to provide a seat for a conductor and having its furcated ends extending in spaced parallel relation, a follower slidably disposed between the furcations of said split bolt adapted to be engaged by a threaded element and cooperate with said seat to form clamping surfaces between which two or more conductors may be clamped, the parallel extending furcations of said bolt having screw threads formed upon their inside and outside surfaces, a threaded element adapted to cooperate with the threads upon the outside of said furcations having its threads interrupted at oppositely disposed points to provide oppositely disposed unthreaded areas substantially equal in arcuate length to the length of the threads upon the outside of said furcations, whereby said element may move free of said threads longitudinally of said split bolt to bring said follower into engagement with the conductors to be connected and then rotated to engage its threads with the threads upon said split bolt to tighten said follower into clamping engagement with said conductors, and a second threaded element disposed between the furcations of said split bolt likewise having interrupted threads thereupon, whereby when said second element is in one position with respect to said furcations it may be moved longitudinally of said bolt and into engagement with said follower and subsequently rotated to bring its threads into engagement with the threads upon the inside of said furcations to thus exert an additional clamping force upon said follower.

2,187,167
DETACHABLE LIFT FOR SHOE HEELS
Maurice Mayor, New York, N. Y.
Application March 11, 1939, Serial No. 261,294
10 Claims. (Cl. 36—42)
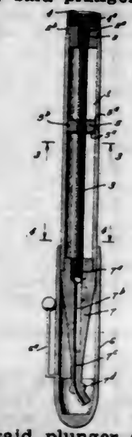


1. For use in connection with a shoe heel, a lift attaching device comprising a plug to be inserted into the heel, the said plug having a longitudinal bore, a head on the plug, a lift carrying slide adapted to be detachably secured to the plug head, and gravity operated locking means in the plug bore for locking the slide to the plug when the heel is in normal position and to unlock same when the heel is inverted.

2,187,168
THERAPEUTIC DEVICE
Rollin O. McAssey, San Diego, Calif.
Application February 19, 1936, Serial No. 64,665
2 Claims. (Cl. 128—236)

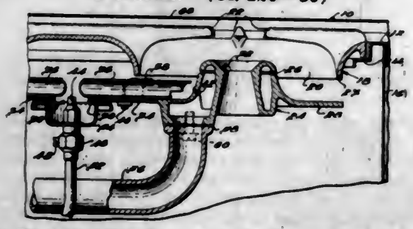
1. In a therapeutic device of the class described, the combination of a barrel member open at its opposite ends, a tapering annularly disposed discharge means secured in one end thereof provided with a bore therethrough for the exit of fluids and with an enlarged recess in its upper end communicating with said bore, a plunger member reciprocally mounted within said barrel member, a screw threaded plunger rod screw threaded in said plunger member and extending into said recess at its lower end, a plug secured in the oppo-

site end of said barrel member provided with a central bore in which said plunger rod is freely reciprocal, said screw threaded plunger rod provided with a head on its extended end to facilitate the turning of said plunger rod, means for preventing said plunger from turning in said barrel whereby said plunger rod may be turned



outwardly in said plunger so that the head is spaced from said plug whereby the space determines the quantity of fluid injected when the plunger rod head is pressed downwardly against said plug, said plunger rod forming a valve with the lower side of said recess for closing the opening from said therapeutic device when the plunger rod is fully inserted.

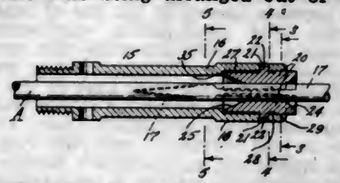
2,187,169
STOVE
Herbert E. Mills, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application January 22, 1937, Serial No. 121,726
3 Claims. (Cl. 126—39)



1. In a stove, a burner body having a horizontal burner slot, means forming an inverted bell shaped opening around said slot, a wall of said opening extending below said slot and means integral with said body member having an upwardly curved connection therewith and extending horizontally therefrom below said wall for defining with said wall an air passageway through which air is drawn horizontally and deflected upwardly across said burner slots.

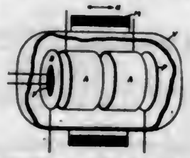
2,187,170
FEED CHUCK
James R. O'Connell, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application October 3, 1938, Serial No. 233,017
12 Claims. (Cl. 29—62)

1. The combination with a feed chuck having spring fingers terminating at one end thereof, work engaging pads arranged at the end portions of said spring fingers, said spring fingers and pads engaging along a peripheral zone of the pads adjacent to the outer ends of the spring fingers, the portions of said pads spaced inwardly from said zone being arranged out of contact



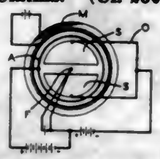
with said spring fingers, said pads having work engaging inner faces extending from the plane of the outer portion of said zone to a distance inwardly beyond the plane of the inner edge of said zone.

2,187,171
VACUUM TUBE FOR MICROWAVES OR ULTRA-SHORT WAVES
Kinjiro Okabe, Seidomura, Mukogun, Japan, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 1, 1937, Serial No. 140,130
In Japan June 4, 1936
4 Claims. (Cl. 250—27.5)



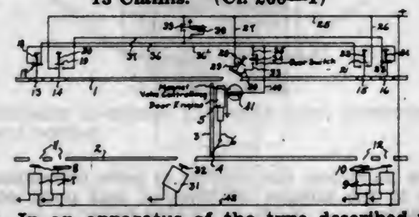
1. An electron discharge device for use at high frequencies, having an envelope provided with a major axis, oppositely disposed electrodes within said envelope and spaced apart along said axis, a cathode adjacent one of said electrodes for supplying electrons to the space between said electrodes, additional electrodes positioned about said major axis and spaced along said axis between the first mentioned oppositely disposed electrodes, and means for providing a magnetic field parallel and around said axis and transverse to the first mentioned oppositely disposed electrodes.

2,187,172
VACUUM TUBE
Kinjiro Okabe, Ashiya, Japan, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 28, 1937, Serial No. 166,214
In Japan December 6, 1936
9 Claims. (Cl. 250—27)



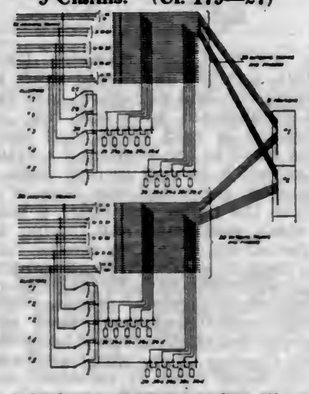
9. An electron discharge device comprising a thermionic cathode, a cylindrical anode surrounding and coaxial with said cathode, a plurality of segmental output electrodes positioned adjacent the end of said cylindrical anode and lying in a plane transverse to the cathode and said anode, an output circuit connected between said output electrodes, and a connection between said output circuit and said cathode, and means for biasing said output electrodes negatively with respect to said cathode and said circular anode positively with respect to said cathode.

2,187,173
DOOR CONTROL SYSTEM
Edward G. Parvin, Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application November 27, 1937, Serial No. 176,940
13 Claims. (Cl. 268—1)



1. In an apparatus of the type described the combination including a door, a motive device connected thereto for actuating it, a control device for the motive device, means for directing a stream of air across the passageway to the door, and means in the air stream and operated upon the interruption of the air stream for actuating the control device.

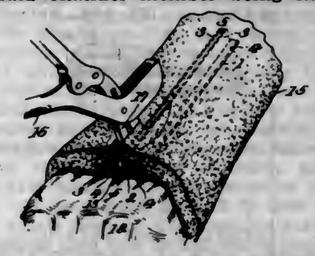
2,187,174
TELEPHONE CALL DISTRIBUTING SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application March 31, 1938, Serial No. 199,203
9 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of incoming lines, a plurality of outgoing lines, means including automatic switches for interconnecting said lines, said switches being arranged in groups, an allotter switch for assigning groups of automatic switches, and means including an extended starter wire arrangement for assigning for use a certain automatic switch in the assigned group.

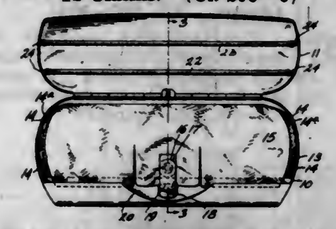
2,187,175
CAST REMOVAL CHANNEL
Milton H. Prosperi, Washington, D. C.
Application December 20, 1937, Serial No. 180,858
3 Claims. (Cl. 128—91)

1. A device adapted to be embedded in a surgical plaster cast, to facilitate opening the latter, comprising an elongated channel member, the back of which is adapted to bear against the limb of the patient, to protect the same, each side of said channel member being first bent



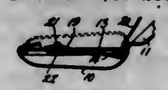
reversely upon itself, and thereafter bent outwardly along lines adjacent the yoke of the channel member, to form load-bearing wings, serving to stabilize the elongated member and to distribute the load on the limb of the patient.

2,187,176
SPECTACLE CASE
Raymond F. Schutz, Buffalo, N. Y.
Application June 27, 1938, Serial No. 215,986
11 Claims. (Cl. 206—6)



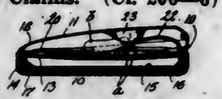
1. A case for spectacles comprising a body and lid, upper and lower elastic strips stretched lengthwise in the case and secured at their end portions to hold the strips under tension and out of contact with the bottom and lid walls of the case, said elastic strips being arranged to bear resiliently against opposite sides of spectacles placed in the case between them and resiliently hold the spectacles from contact with the bottom and lid walls of the case, and a cover piece passing over the upper edges of the spectacles and secured to hold the same from contact with the rear wall of the case.

2,187,177
SPECTACLE CASE
Raymond F. Schutz, Buffalo, N. Y.
Application November 16, 1938, Serial No. 240,745
11 Claims. (Cl. 206—6)



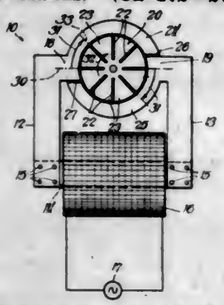
1. A case for spectacles comprising a body and lid, a web of flexible sheet material secured at its opposite side and end marginal edges in the case at corresponding peripheral portions of the case and stretched across the case with the web held under tension spaced away from both the bottom and top walls of the case, said web forming a resilient diaphragm-like support on which the spectacles lie and are yieldingly supported, and means for confining the spectacles on said web with the lenses out of contact with the walls of the case.

2,187,178
SPECTACLE CASE
Raymond F. Schutz, Buffalo, N. Y.
Application January 28, 1939, Serial No. 253,364
9 Claims. (Cl. 206—6)



1. In a case for spectacles, a web-carrying frame in the case and having a peripheral wall extending upwardly from the lower portion of the case adjacent the peripheral walls of the latter, a web of flexible sheet material attached at its marginal portions to said frame and extending across the frame and held under tension between and spaced from the bottom and top walls of the case, said web forming a resilient diaphragm-like support on which the spectacles lie, and means for confining the spectacles on said web with the lenses out of contact with rigid parts of the case.

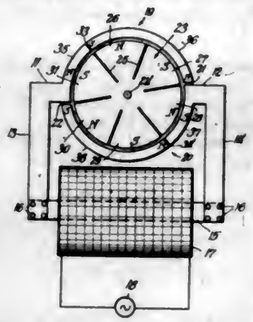
2,187,179
ELECTRIC MOTOR CONSTRUCTION
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application December 2, 1937, Serial No. 177,706
13 Claims. (Cl. 172—275)



1. An electric motor comprising, in combination, a generally C-shaped stator of magnetic material having a pair of polar projections, a rotor of electrically conducting material disposed between said polar projections, winding means on said C-shaped stator intermediate its ends for connection to a current source capable of producing a pulsating magnetic field between said polar projections, and only one arcuate polar extension of magnetic material extending from each polar projection toward the other polar projection so as to continuously shift the axis of the magnetic flux in each pulsation from its initial position in said polar projections whereby said rotor is started from rest in the direction of said polar extensions, said shift being effected without converting the magnetic energy of the pulsating magnetic field into electrical energy and then back into magnetic energy.

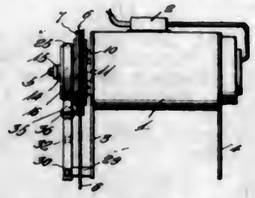
2,187,180
ELECTRIC MOTOR CONSTRUCTION
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application August 6, 1938, Serial No. 223,438
20 Claims. (Cl. 172—278)

1. An electric motor comprising, in combination, a rotor forming a polar construction, a pair of pole members in spaced relation for cooperation with said rotor, means for generating a pulsating magnetic field between said pole members, a polar extension extending from each pole member along said rotor toward the other pole member, and means for successively inducing a plurality of poles in each polar extension during



each pulsation, the number of poles corresponding to the number of poles of said polar construction.

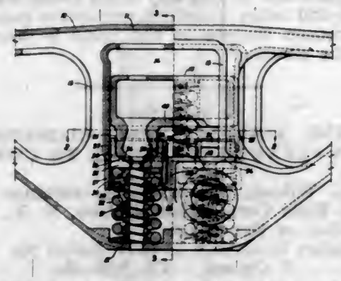
2,187,181
SPEED PULLEY GENERATOR
George A. Shackelford, New York, N. Y., assignor of one-third to Edward K. Morgan and one-fourth to Dan J. Egan, both of New York, N. Y.
Application December 17, 1937, Serial No. 180,441
5 Claims. (Cl. 74—260)



1. In a device of the character described, a rotary shaft, a pulley about said shaft having a belt engaging rim and side disks, said disks having loose engagement with said rim, planetary gearing housed in said pulley and including a center gear fixed to the shaft and rotatable pinions having axles carried by the disks, a drum projecting from the outer side face of one disk concentric to the pulley and shaft, a brake band engaged about said drum and having arms extending therefrom, yieldable means for urging said arms towards each other and tightening the brake band about the drum to hold the disks stationary, and fluid pressure actuated means for shifting the arms away from each other and spreading the brake band to release the drum and permit turning of the disks with the rim.

2,187,182
CAR TRUCK
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application May 13, 1938, Serial No. 207,646
16 Claims. (Cl. 105—193)

1. In a car truck, a side frame having a bolster receiving opening and a shelf therebelow, a bolster extending into said opening, spring means below said shelf for supporting said bolster, lugs projecting from said bolster into openings in said shelf and positioned over said spring means, each of said lugs having a peripheral wedge face, friction shoes interposed between said lugs and spring means, and friction members between said shoes and side frame, said shoes being adapted to be urged by said lugs against said members to



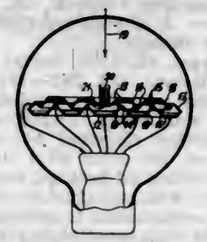
frictionally cooperate therewith upon movement of said bolster.

2,187,183
ORNAMENTAL BOX
John M. Shields, Jr., Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application December 28, 1936, Serial No. 117,850
4 Claims. (Cl. 206—76)



1. A box body comprising a lower member formed with a bottom wall and connected front and rear walls and side flanges, and an upper member formed with side wall sections fitting within said flanges and a horizontal bearing section connected to said side sections and inner wall sections continuous with said bearing section, said upper member including front and rear flanges formed on said side wall sections fitting over said front and rear walls of said lower member.

2,187,184
ELECTRON MULTIPLIER
Karl Siebertz, Berlin-Grunewald, Germany, assignor to Siemens and Halske Aktiengesellschaft, Berlin, Siemensstadt, Germany, a corporation of Germany
Application November 17, 1937, Serial No. 174,917
In Germany November 30, 1936
4 Claims. (Cl. 250—166)

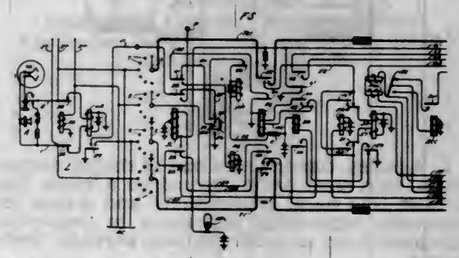


1. An electron multiplier comprising a source of electrons, an annular output electrode surrounding and concentric with said source, two sets of annular electrodes of different diameters mounted concentric with said source and spaced to provide from said source to said output electrode a channel limited by said annular electrodes for directing the discharge from said source radially of said annular electrodes to said output electrode, and annular shields projecting between adjacent electrodes of each set into the channel between said sets to direct the electron flow from an electrode of the first set to an electrode of the second set and back to the next electrode of the first set.

2,187,185
NEW PLASTIC MATERIAL
Julius Söll, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 27, 1933, Serial No. 653,921. Renewed December 14, 1935. In Germany February 9, 1932
14 Claims. (Cl. 260—771)

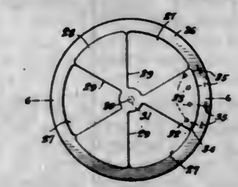
1. The process which comprises reacting upon rubber with hydrofluoric acid of a strength above about 40% by weight.

2,187,186
TELEPHONE SYSTEM
Bert A. Wallace, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application November 4, 1937, Serial No. 172,680
17 Claims. (Cl. 179—17)



1. A telephone system including an exchange, a plurality of lines terminating at said exchange, a plurality of stations on certain of said lines, link means at said exchange for interconnecting any of said stations, a source of battery current associated with said link means, means for rendering any of said lines busy, means responsive to the engagement of said link with a busy line for immediately reversing the flow of said battery current.

2,187,187
COFFEE INFUSER
Emanuel Weinberger, New York, N. Y.
Application January 24, 1938, Serial No. 186,637
2 Claims. (Cl. 53—3)



1. In a coffee maker, a coffee grounds receptacle having a pocketed seat and a perforated

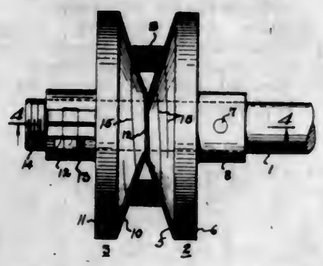
bottom wall, a filter positioned in said seat upon said bottom wall, and means for selectively exposing a different proportional area of said filter to the contact of a commensurate amount of coffee grounds placed in said receptacle, said means comprising a binder plate removably positioned in said seat and upon the filter, said plate having a plurality of openings and a central hole, means for varying the effective size of said openings, said means comprising a valving plate having a central pin, and adapted to be positioned in said seat in relation to said binder plate with its pin in the said hole, said valving plate having portions adapted to cover portions of said mentioned openings, and means for determining the effective size of said openings in relation to the amount of coffee grounds in the receptacle, said last-mentioned means including a second pin on the valving plate, and a plurality of recesses in the binder plate selectively engageable by said second pin.

2,187,188

VARIABLE SPEED PULLEY

Preston Whitcomb, Watertown, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey

Application October 5, 1939, Serial No. 298,017
13 Claims. (Cl. 74—230.17)



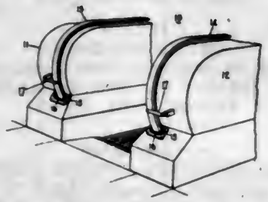
1. A pulley, comprising a pair of similar conical shells, each shell being sheared on a spiral line to form free spiral convolutions, and means for adjustably supporting said shells in concentric alignment with said convolutions partially overlapped.

2,187,189

MOVING STAIRWAY HANDRAIL PROTECTIVE DEVICE

Leon Wieder, Bronx, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application March 25, 1939, Serial No. 264,088
6 Claims. (Cl. 198—16)



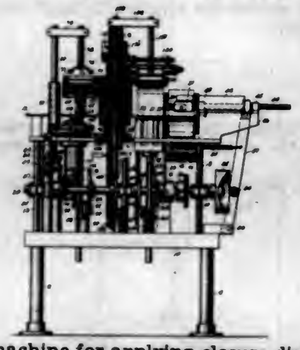
1. A protective device for a handrail opening in the balustrade at the exit of a moving stairway comprising, an elongated guard, and means mounting said guard at one end on the balustrade in position extending crosswise over the face of the handrail at a point in sufficient advance of said opening to permit the hand, upon striking said guard, to be removed before the opening is reached, said guard being deflectible so as to move out of the way upon being struck by a hand and being biased to protective position so as to return thereto as the hand is disengaged from the guard.

2,187,190

MACHINE FOR APPLYING CLOSURES OF THIN FLEXIBLE MATERIAL TO CONTAINERS

Isaac L. Wilcox, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application December 1, 1937, Serial No. 177,582
8 Claims. (Cl. 226—86)



1. A machine for applying closure disks of thin, flexible material to containers comprising a frame, a movable member arranged to support a plurality of disks in stack formation, an annular member, a container support arranged to support the container in axial alinement with said annular member, a transfer member movably mounted on the frame and operable to transfer the disks from said stack formation to a position over the top of the container on the container support, means operable to preliminarily separate the topmost disk from the stack, means subsequently operable to move said movable member to bring the top of the stack into engagement with said transfer member, vacuum means connected to said transfer member and operable to secure said topmost disk to the transfer member, means operable to move said transfer member to position the disk over the top of the container, and means for moving said container support toward said annular member to move the top of the container with the disk thereon into said annular member, and said member being operable to secure the peripheral edge of the disk to the container.

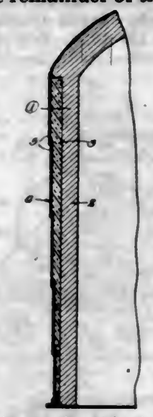
2,187,191

BLAST FURNACE STOVE AND THE LIKE

Edward H. Younglove, Glencoe, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application August 16, 1937, Serial No. 159,252
3 Claims. (Cl. 263—19)

1. In a hot blast stove, in combination, a ring wall, said ring wall being formed to provide a combustion chamber disposed adjacent to the side of said stove, an outer steel shell tapering in diameter from top to bottom, the outer surface of said ring wall and the inner surface of said outer shell cooperating to provide an annular space therebetween tapering in thickness from top to bottom of said stove, the thickness of said annular space being greater adjacent to the lower portion of said combustion chamber than throughout the remainder of the circumference of



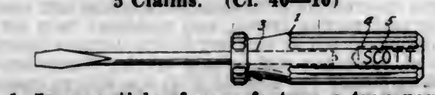
the lower portion of said stove, and insulating material filling said space.

2,187,192

TOOL HANDLE

Alfred P. Albrecht, Wilmington, Ohio, assignor to The Irwin Auger Bit Company, Wilmington Ohio, a corporation of Ohio

Application April 16, 1937, Serial No. 137,299
Renewed June 14, 1939
5 Claims. (Cl. 40—10)



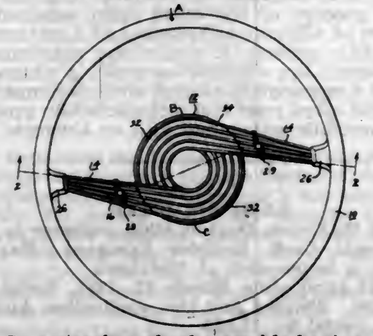
1. In an article of manufacture, a transparent tool handle having a tool secured thereto and extending therefrom, a socket in the other end, transparent inserts occupying said socket, and a label proper adapted to bear legends and carried between the inserts and read through the transparency of the handle and the inserts.

2,187,193

STEERING WHEEL

Elvin M. Bright, Dayton, Ohio, assignor to John M. Wallace, Cincinnati, Ohio, as trustee

Application May 17, 1937, Serial No. 143,140
9 Claims. (Cl. 74—552)



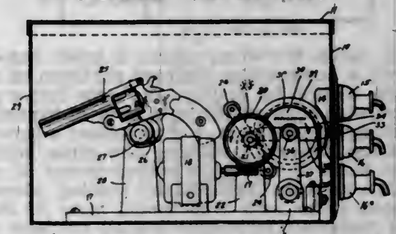
1. In a steering wheel assembly having a hand engaging rim portion and a supporting hub portion, the combination including a pair of groups of spoke-like members dividing the space between the rim and the hub into equal open spaces, so that the open spaces on each side of each group are equal, each group consisting of a plurality of wire-like members offset with respect to the diameter of the wheel, one group of wire-like members being disposed on one side of a common diameter substantially parallel thereto, and the other group being disposed on the opposite side thereof.

2,187,194

BURGLAR ALARM

Clifford M. Chapman, Indianapolis, Ind., assignor of one-third to Avada Storm and two-thirds to Russell R. Wilkinson, both of Indianapolis, Ind.

Application March 13, 1937, Serial No. 130,651
5 Claims. (Cl. 177—329)



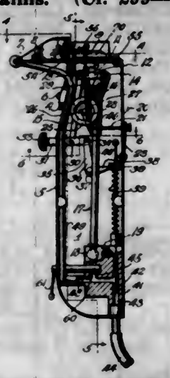
4. In an alarm device, a support, a firearm, means on said support to rigidly secure the trigger of the firing arm to said support, and means for rocking said firearm upon its trigger.

2,187,195

AIR BRUSH

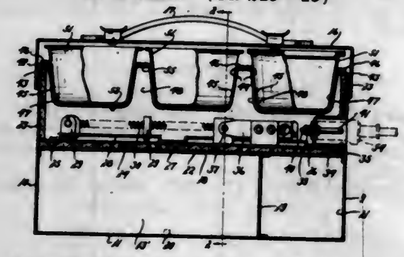
Emerson U. Crumley, Muskegon, Mich.

Application July 13, 1938, Serial No. 218,915
5 Claims. (Cl. 299—88)



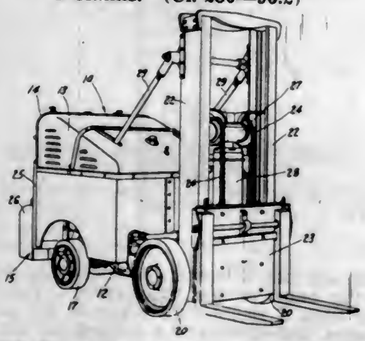
1. In an instrument of the class described for applying paint or the like having a paint container with a reciprocating needle for carrying the paint therefrom and a conduit for air under pressure, a tubular member communicating with the conduit pivotally mounted for movement to adjusted position relatively to the container for shifting the field of the needle's reciprocating movement, a wheel journalled on said member for rotation by the air stream therefrom having a wrist pin, a link turnably mounted on said member, a lever fulcrumed on the link engaging the needle for reciprocating the same and having a longitudinally slotted arm in which the wrist pin engages turnably and slidably for rocking the lever, and means for turning the link to move the fulcrum relatively to the wheel for changing the length of the needle's movement and the speed thereof.

2,187,196
LUNCH BOX
Samuel H. Douglass, Detroit, Mich.
Application July 12, 1938, Serial No. 218,833
10 Claims. (Cl. 219—19)



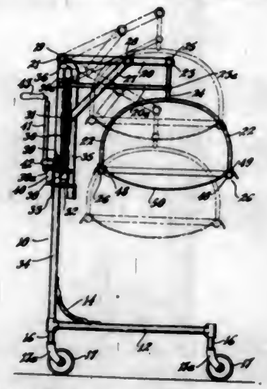
1. A lunch box comprising: a lower box-like section; a horizontally disposed partition in said box-like section for dividing the same into a pair of separated compartments; a layer of insulation on the upper surface of said partition; a layer of insulating material overlying the inner surface of the walls of the upper compartment of said box-like section; an electric heating element mounted above said first-named layer of insulating material; means projecting through one wall of said compartment adapted for electrical connections; a compartment-bearing cover enclosing said upper compartment and having a plurality of compartments formed therein; and a receptacle in each of said compartments for the reception of food to be heated.

2,187,197
INDUSTRIAL TRUCK
Elmer J. Dunham, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application December 11, 1937, Serial No. 179,273. Divided and this application December 10, 1938, Serial No. 244,945
4 Claims. (Cl. 280—96.2)



1. An industrial truck including a frame having an upwardly arched rear portion, a transverse dead axle beneath said arched portion, longitudinally directed spring means between said frame and said axle, dirigibly mounted wheels at the end of said axle, a vertical pivot journalled centrally in said axle, steering means connected to the lower end thereof for rotating said pivot, a crank plate keyed to the upper end of said pivot above said axle and spring means, and crank arms pivotally connected to the wheels and having their adjacent ends connected in overlapping relation to the crank plate whereby rotation of the plate produces a differential steering movement upon the wheels.

2,187,198
LIFTING AND TRANSPORTING APPARATUS
James J. Fields, North Canton, Ohio
Application June 15, 1938, Serial No. 213,789
7 Claims. (Cl. 5—86)



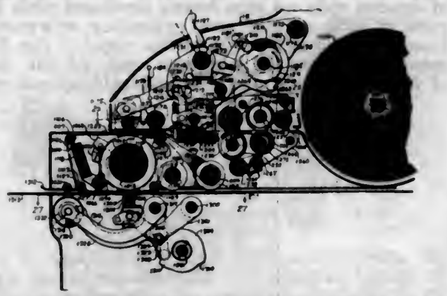
2. Apparatus for lifting and transporting a patient, including an upright frame, a base frame extending laterally from and supporting the upright frame, a lifting frame pivoted at its inner end to the top of said upright frame and extending over said base, a carrier frame, means supporting the carrier frame from the outer end of said lifting frame, lifting mechanism on the upright frame pivotally connected to the lifting frame intermediate its ends for raising and lowering said carrier frame, and stabilizer bars pivotally connected at one end to the upright frame and at the other end to said carrier frame supporting means for moving with the lifting frame to maintain the carrier frame in horizontal position.

2,187,199
RESIN COMPOSITION
Henry A. Gardner, Chevy Chase, Md., and Arnold Kirkpatrick, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application June 11, 1935, Serial No. 26,034. Divided and this application November 29, 1937, Serial No. 177,154
9 Claims. (Cl. 260—42)

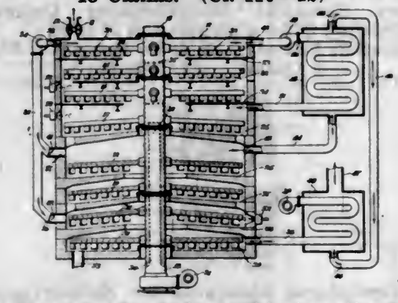
1. As a new composition of matter a resin compatible with cellulose esters comprising the reaction product of the alkyd resin obtained by reaction of phthalic anhydride and a mixture of polyhydric alcohols of which the predominant constituents are dihydric alcohols, a phthalate ester of a monohydric alcohol which is compatible with said alkyd resin and a condensation product of an aromatic solfonamid with an aldehyde.

2,187,200
CASH REGISTER
Charles W. Green, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application March 27, 1931, Serial No. 525,630. Divided and this application April 9, 1936, Serial No. 73,449
9 Claims. (Cl. 101—96)

1. In a machine of the class described, a plurality of type carriers having two sets of similar type, one set being provided for printing upon issued checks, the other set being provided for printing upon inserted slips, a platen for effecting printing upon issued checks from one of said sets of type, manual means for regulating the number of impressions to be made upon said checks, comprising a lever, a member having a cam surface thereon, an adjustable cam carried by said member, means for rotating said member at each check issuing operation of the machine, said parts being so constructed and arranged that when said lever is in one position, said adjustable cam and said cam surface will successively operate the platen to effect two printing impressions upon the issued checks and when said lever is moved to another position, said adjustable cam will be rendered inoperative, whereby but a single impression will be made upon the check by said same surface, a second platen for printing upon inserted slips, and means for actuating said platen twice during an operation of the machine to effect duplicate printing upon the inserted slips from the other set of types.

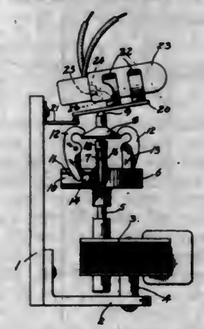


2,187,201
INCINERATION OF SEWAGE SLUDGE OR THE LIKE WASTE MATERIALS
Henry J. Hartley, Hastings on Hudson, N. Y., and Dudley Baird, Berkeley, Calif., assignors to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application April 10, 1936, Serial No. 73,620
18 Claims. (Cl. 110—12)



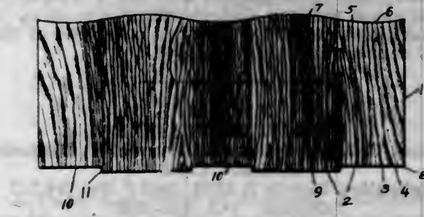
5. Apparatus for drying and incinerating waste material comprising a furnace having a plurality of superposed hearths including a top hearth or hearths for drying and lower hearths for incinerating the material, rabbling means cooperating with each hearth for periodically agitating and advancing the material over each hearth in succession and gradually from hearth to hearth down through the furnace, means for conveying vapor evolved from the drying material, from said drying hearth or hearths and introducing the same at an incinerating hearth adjacent the bottom of the furnace, means for causing such vapor together with gaseous products of combustion from the burning material to pass upwardly in succession over the incinerating hearths, exit means at an upper incinerating hearth for said vapor and gaseous products, and a pair of heat exchanging devices with connections whereby the exit gases and vapor pass therethrough in succession, one of said devices being connected to transfer heat to said vapor prior to its introduction to the incinerating hearths and the other of said devices being connected to preheat a supply of intake air for the furnace.

2,187,202
SWITCH CONTROL
James Q. Henry, Los Angeles, Calif.
Application September 26, 1938, Serial No. 231,775
4 Claims. (Cl. 200—80)



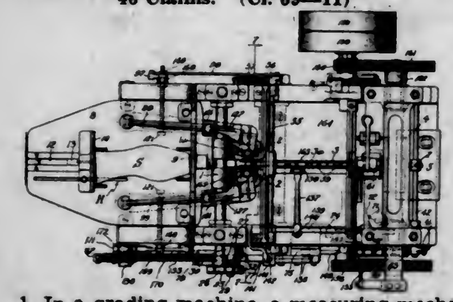
1. A support, a shaft rotatably held thereby, a flywheel on the shaft, a projecting stem axially movable in said flywheel in continued alignment with the shaft, a conical head on the outer end of said stem, a frame pivotally mounted on the shaft support, a mercury switch held in said frame, levers hung on the face of the flywheel and having the outer ends in contact with the cone surface of said head, the inner ends of said levers riding in grooves of said flywheel, and weights radially movable in said grooves to swing said inner ends outward upon attaining a predetermined speed, thereby to move said stem axially to cause said frame to tilt and thereby to operate said switch.

2,187,203
WEATHER COVERING
George B. Johnston, Glendale, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application December 21, 1936, Serial No. 116,856
2 Claims. (Cl. 108—8)



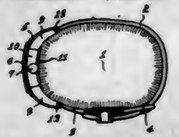
2. A weather covering strip comprising an elongated body having transverse decorative portions provided on the weather exposed surface of the strip composed of irregular closely spaced relatively wide and narrow ridges and depressions of varying widths disposed transversely to the strip, the relatively wide ridges being provided along the ends of the strips and the relatively narrow ones being between the ends of the strip.

2,187,204
GRADING MACHINE
James W. Johnston, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application May 19, 1933, Serial No. 671,865
46 Claims. (Cl. 69—11)



1. In a grading machine, a measuring mechanism comprising two calipering devices between which are passed the blanks to be measured, each of said calipering devices being individually operable to traverse and caliper only the adjacent marginal portion of each blank, each calipering device being individually movable laterally and swivelly mounted to follow the edge contour of the blank independently of the other calipering device, and means through which said calipering devices control the action of other mechanism of the machine according to the thickness of the thinnest part of the blank as determined by either calipering device.

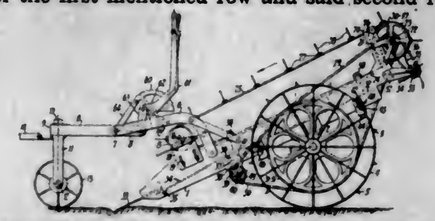
2,187,205
SIDE WRIST WATCH
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application July 24, 1937, Serial No. 155,473
11 Claims. (Cl. 58—88)



8. In combination, a curved side wrist watch case having a central movement supporting portion and at each end of said central portion a hollow strap concealing portion open at its outer end, and pin means in each strap concealing portion adapted to support the end of a strap in a concealed position and to permit the strap to extend outwardly from the open outer end of the strap concealing portion.

2,187,206
PEANUT HARVESTER
Thomas C. Lloyd-Jones and Samuel E. Kinnear, Modesto, Calif.
Application March 5, 1938, Serial No. 194,217
7 Claims. (Cl. 55—138)

1. A peanut harvester comprising a frame having spaced, opposed side members and ground wheels supporting said frame for movement horizontally over the ground in one direction, a transverse earth digging shovel on the frame extending across the space between said side frame members having a cutting edge along the forward side thereof to the directional movement of the frame, a horizontal row of spaced rods having one of their ends disposed adjacent the side of the shovel opposite the cutting edge disposed to receive peanut plants and pods dug from the ground by said shovel, means pivotally supporting said ends of said rods for vertical swinging of the rods about a horizontal axis adjacent said ends and means supporting the opposite ends of said rods elevated above the first mentioned ends, means on the frame for oscillating said opposite ends vertically, a second horizontal row of spaced rods on said frame arranged with the rods of said second row extending rearwardly from said opposite ends of the rods of the first mentioned row, the adjacent ends of the rods of the first mentioned row and said second row



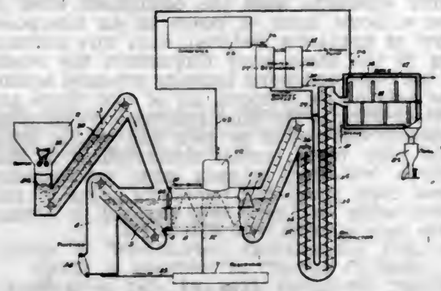
being disposed in lateral overlapping relation for providing a continuous support for plants dragged from the first mentioned row to over said second row at said adjacent ends, means rigidly supporting the rods of said second row relative to the frame and to the oscillatory movement of the first mentioned row of rods, plant engaging means over said second row of rods arranged and adapted to engage plants supported on said second row for moving the plants over the rods longitudinally thereof in a direction away from said shovel, and means at the ends of the rods of said second row opposite said adjacent ends arranged and adapted to remove the plants from engagement with said plant engaging means.

2,187,207
CENTRIFUGALLY ACTUATED DEVICE
John J. McCabe, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 11, 1936, Serial No. 63,401
3 Claims. (Cl. 200—80)



2. Centrifugal apparatus for electric motors having a rotor and stator, said rotor provided with an annular metal ring on the end face thereof, a non-metallic annulus secured to said ring, the inner wall of said annulus decreasing in diameter outwardly away from the rotor, a shaft on said rotor extending through said annulus and a sleeve slidably mounted on said shaft within the annulus, said sleeve having an outer wall increasing in diameter toward the rotor, a plurality of spherical weights arranged between the outer wall of the sleeve and the inner wall of said annulus, and spring means arranged between said sleeve and rotor tending to urge the sleeve away from the rotor and opposing centrifugal force exerted through said weights acting to move the sleeve toward the rotor.

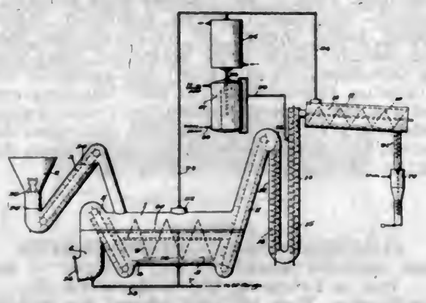
2,187,208
DEHYDRATION
Dan McDonald, Manhattan Beach, Calif., assignor to Engineering Incorporated, a corporation of California
Application June 12, 1936, Serial No. 84,849
14 Claims. (Cl. 260—412.8)



1. In the extraction of oil from garbage, the steps including: heating the garbage in an oil bath to evaporate its moisture, extracting oil from the dehydrated garbage by use of a solvent, supplying the oil-bearing solvent to the oil bath for distillation therein, heating the dehydrated garbage in a dryer to evaporate remaining solvent, maintaining the oil bath and the dryer under partial vacuum and withdrawing the aqueous and solvent vapors and condensing the same, and reusing the solvent condensate for the aforementioned oil extraction.

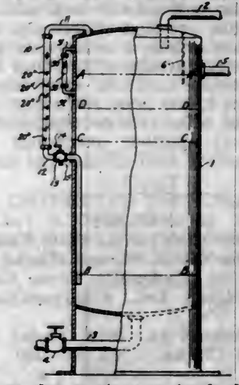
13. In extraction of oil from oleaginous material containing moisture, the steps of solvent extracting oil from the material, heating the residual material in an oil bath for evaporating moisture and solvent, extracting oil from the dehydrated material by means of a solvent, supplying the oil-bearing solvent to the oil bath for distillation, and withdrawing vapors from the oil bath.

2,187,209
DEHYDRATION
Dan McDonald, Los Angeles, Calif., assignor to Engineering Incorporated, Los Angeles, Calif., a corporation of California
Application April 17, 1937, Serial No. 137,593
1 Claim. (Cl. 202—169)



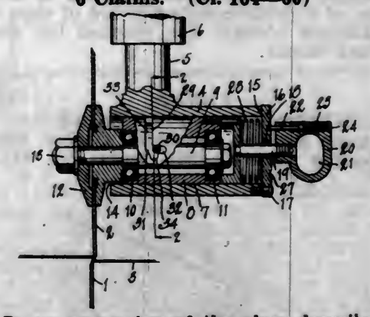
In extraction apparatus, means for extracting oil from material by means of a solvent, a heated oil bath for residual material, a solvent extraction chamber, means for withdrawing material from the oil bath and supplying the same to the solvent extraction chamber, means for discharging oil-bearing solvent from the solvent extraction chamber to the oil bath, and means for withdrawing vapors from the oil bath.

2,187,210
STORAGE TANK GAUGE
Dan McDonald, Los Angeles, Calif., assignor to Engineering Incorporated, Los Angeles, Calif., a corporation of California
Application May 3, 1937, Serial No. 140,446
3 Claims. (Cl. 73—299)



3. A gauge for a storage tank for immiscible liquids which stratify by specific gravity differential, comprising a receptacle communicating with the storage tank so that liquid rises in the receptacle to that level at which it is balanced by the immiscible liquids contained in the storage tank, a scale cooperating with the liquid in the receptacle and so calibrated in accordance with specific gravity differential of the immiscible liquids that when said liquids fill the storage tank to a maximum level the length of the scale which corresponds to the level of the liquid in the receptacle is proportional to the level of separation between the immiscible liquids contained in the storage tank, and means for indicating whether the immiscible liquids are filling the storage tank to the aforesaid maximum level.

2,187,211
PAPER SLITTER
David R. McKinley and Peter J. Van Norden, Kalamazoo, Mich.
Application June 12, 1939, Serial No. 278,602
6 Claims. (Cl. 164—60)



1. In an apparatus of the class described, the combination of a knife, a second knife in cooperative relation thereto and having a support having a cylindrical bore therein, a cylindrical member rotatably and slidably mounted in said bore, an axle for said second knife eccentrically mounted on and parallel to the axis of said cylindrical member and extending from one end of said bore whereby on rotation of said cylindrical member said knives may be moved out of axial

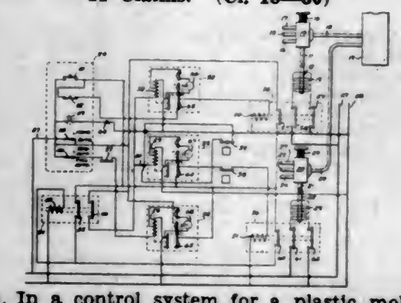
register, a closure for the other end of said bore, a spring in said bore urging said cylindrical member axially of said bore to force said second knife resiliently into operative relationship with said first mentioned knife, a pin and slot connection between said cylindrical member and said support including a slot having a portion extending along said bore to lock said cylindrical member against rotation when the knives are in cutting relationship, a connected portion extending circumferentially of the bore to lock said cylindrical member against axial movement in said bore when it has been retracted to separate said knives and when it is rotated, and means on said cylindrical member extending from said bore for retracting said cylindrical member and for rotating it.

2,187,212

ELECTRIC CONTROL FOR PRESSES

Howard F. MacMillin, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application August 24, 1936, Serial No. 97,580
11 Claims. (Cl. 18—30)



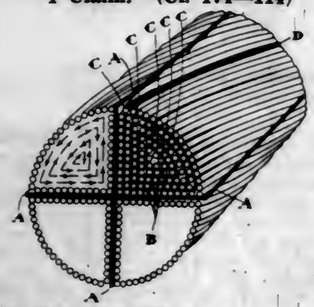
1. In a control system for a plastic molding press, a hydraulic die-clamping plunger, a hydraulic injection plunger movable through forward and return strokes, reversible control valves for reversibly controlling the distribution of pressure fluid to said plungers, an electrical device for shifting and reversing each control valve, and a timing device for actuating the clamping control valve electrical device to shift said clamping control valve to effect a movement of the clamping plunger into a clamping position at the expiration of a predetermined period of time after the clamping plunger has reached the end of its return stroke.

2,187,213

ELECTRIC POWER CABLE

Humphreys Milliken, Montreal, Quebec, Canada

Application June 1, 1937, Serial No. 145,817
1 Claim. (Cl. 174—114)



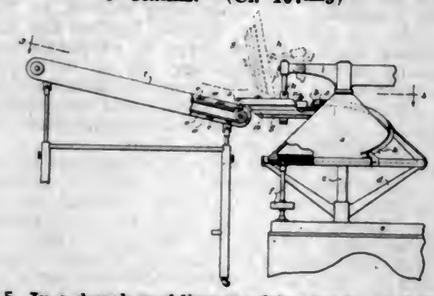
A cable for alternating power currents composed of a plurality of sectors helically arranged around the axis of said cable, each sector being insulated from the adjacent sectors by an interposed layer of insulating material and being composed of a plurality of layers of solid wires, the component wires of each layer being continuous throughout the entire length of the cable and being separated from the component wires in the adjacent layer or layers by an interposed layer of insulating material, each wire continuing in the same layer throughout the length of the cable and being helically arranged around the axis of its segment, all of said wires and sectors being of the same polarity and connected together electrically at each end of the cable, said cable being further characterized in that only a few wires in each layer are insulated from each other, the remaining wires in said layer being left bare and disposed in contact with each other.

2,187,214

DOUGH MOLDING MACHINE

Herbert C. Rhodes, Portland, Oreg.

Application December 6, 1937, Serial No. 178,288
5 Claims. (Cl. 107—9)



5. In a dough molding machine having a driven rounding-cone and a spiral mold bar disposed over said rounding-cone, a vertical shaft and a horizontal, rotated transfer plate carried by said shaft and of inverted conical form in cross-section, the rim of said transfer plate having driving connection with and being driven by said rounding-cone and arranged to receive the dough pieces discharged therefrom, the upper surface of said transfer plate being dished and the rim of said upper face of the transfer plate adapted to restrain the dough pieces deposited thereon against being thrown off by centrifugal force, said transfer plate being permitted axial yielding movement on said shaft but normally held in driving connection with said rounding-cone, and a guide element disposed over said transfer plate and arranged to move from the upper face thereof the dough pieces deposited thereon during the rotation of said rounding-cone.

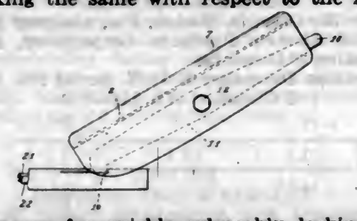
2,187,215

ELECTRICAL INSULATION CUTTER

Matt Spinello, Rockford, Ill., assignor of one-half to Lemuel J. Wood, Rockford, Ill.

Application May 16, 1938, Serial No. 208,200
8 Claims. (Cl. 30—91)

1. A tool for cutting and stripping insulation from electric wires comprising an elongated blade holding handle, the same having a V guide at one end thereof, an elongated blade pivotally mounted intermediate the ends thereof on said handle and having a cutting end movable in said V guide, the other end of said blade projecting from said handle and being flexible laterally relative to the handle manually for locking and unlocking the same with respect to the handle



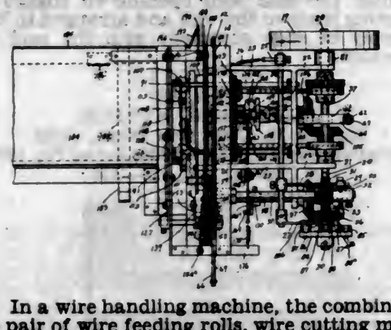
and means for quickly releasably locking said blade by said manually operable flexible end in fixed relation to the handle.

2,187,216

BALE TIE MACHINE

George W. Whittington, Indianapolis, Ind., assignor of one-half to Charles C. Bolte

Application July 23, 1938, Serial No. 220,866
7 Claims. (Cl. 140—73)



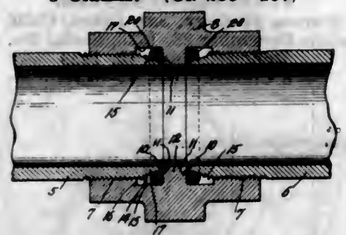
1. In a wire handling machine, the combination of a pair of wire feeding rolls, wire cutting means, a single source of power for rotating said rolls and operating said means, means interposed between said power and said cutting means for actuating the same cyclicly and intermittently, and means operable in timed relation with the cyclic operation of the wire cutting means for cessation of wire feeding without cessation of feed roll rotation.

2,187,217

PIPE JOINT

Francis Gordon Winslow, Pompton Lakes, N. J., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York

Application June 29, 1938, Serial No. 216,415
3 Claims. (Cl. 285—157)



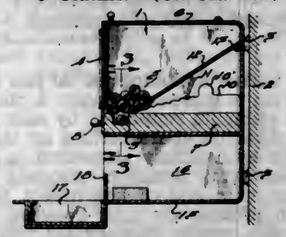
1. A pipe joint comprising a tubular flange member provided at one end with an internal thread and having an inwardly extending circular abutment and a circumferential groove adjacent the abutment, a pipe provided on one end with an external thread screwed into the internal thread of the flange, the extremity of the pipe abutting against the abutment, the periphery of the end of the pipe being provided with a plane tapered surface which together with the bottom of the groove forms an annular gasket receiving chamber, with walls converging toward the thread joint, and an annular compressible gasket of less axial length and of less cross-sectional dimension than said chamber located in the chamber and contacting with the bottom of the groove and the tapered surface of the pipe and entirely confined within said chamber, said gasket being adapted to be moved longitudinally of the gasket-receiving chamber by the pressure of the fluid passing through the pipe and to be compressed by the converging sides of the chamber.

2,187,218

CIGARETTE DISPENSER

Carl A. Witt, Detroit, Mich.

Application February 13, 1939, Serial No. 256,016
6 Claims. (Cl. 312—80)



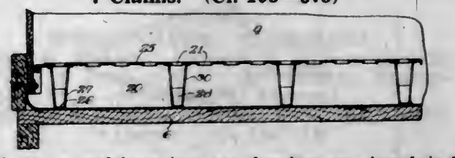
1. In a cigarette dispenser, a receptacle, a drawer slidably supported by the receptacle, said drawer having means for carrying out a single cigarette upon withdrawal of the drawer, an igniting element carried by the drawer for coaction with the cigarette carried by said drawer, and coacting means carried by the drawer and the receptacle for contact with the cigarette to move the same into contact with the igniting element as the drawer moves outwardly.

2,187,219

FLOOR RACK FOR REFRIGERATOR CARS

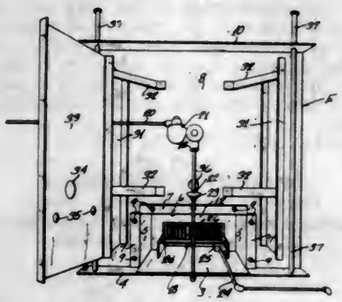
Charles D. Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania

Application November 19, 1937, Serial No. 175,487
7 Claims. (Cl. 105—375)



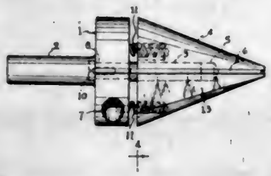
1. In a refrigerator car having an insulated floor, a foraminous floor above the insulated floor, a space between said floors and ice associated with elements of the car to induce an air current in said space upon melting thereof, said ice being positioned so that the melted ice will drain upon the insulated floor, said foraminous floor being supported upon said insulated floor by a plurality of channel shaped stringers, each comprising spaced apart side walls connected by a substantially plane web which rests upon said insulated floor, said web and the lower portion of said walls being imperforate to prevent the melted ice from entering the channel and the upper portion of the walls of each of said channel stringers being perforated for air movement from said space through the stringer to the space above the foraminous floor.

2,187,220
OIL BURNER
Edwin T. Brace, Warrenton, Mo., assignor to Binkley Manufacturing Company, Warrenton, Mo., a corporation of Missouri
Application June 6, 1938, Serial No. 211,977
5 Claims. (Cl. 158—96)



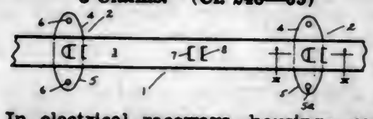
1. An oil burner including an oil pan to which oil is fed from a source of supply, a plurality of upstanding elements supported by said pan and formed of material characterized by the ability to absorb oil by capillary attraction, a plurality of heat conducting members disposed between adjacent elements and of less height than said elements to provide air gaps between the elements through which primary air passes, portions of said conducting members being located in said oil pan and in the path of the flames of the burner whereby heat is conducted by said conducting members to the oil in the oil pan so as to vaporize said oil, and a passageway for secondary air which directs said secondary air at an angle to the direction of flow of the primary air and the vaporized oil carried thereby so as to create turbulence which thoroughly commingles the secondary air and the oil vapors.

2,187,221
TUBE CHAMFERING TOOL
Frank G. Brown, Silver Lake, South Lyon, Mich.
Application March 28, 1938, Serial No. 198,455
11 Claims. (Cl. 77—73)



1. A rotary chamfering tool comprising a blade having a cutting edge converged forwardly substantially toward the axis of the tool at the desired angle of chamfer, a driving member for the blade, having a work-abutting surface converged toward said axis in substantially the same angular relation thereto as the cutting edge of the blade, the blade being slidable on such driving member along said axis to variably expose the cutting edge beyond said surface, means yieldably urging the blade rearwardly to a position minimizing exposure of the blade, and an element transmitting a drive to the blade-driving member and effective on the blade to advance it forwardly on the blade-driving member and effect a desired exposure of its cutting edge.

2,187,222
DEVICE ATTACHMENT
Martin M. Clayton, Baden, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application December 3, 1937, Serial No. 177,872
3 Claims. (Cl. 248—65)



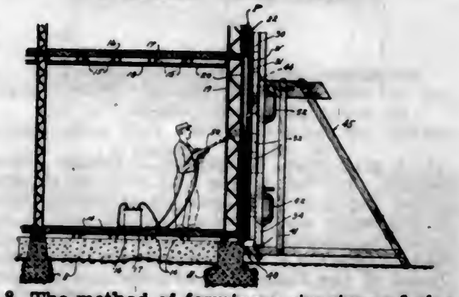
1. In electrical raceways, housings, and like electrical devices the herein described mounting attachment comprising in combination a basal wall forming part of the element to be mounted, said wall having an opening therein and a projection on the said wall spaced from said opening, with a resilient mounting plate at a face of the said wall and having a region thereof extended beyond an edge of the wall and deflected away from the plane of the wall, the said resilient mounting plate having a tongue adapted to enter the said wall opening to engage the mounting plate to the wall and arranged to lie in assembly in edge abutment with the said wall projection.

2,187,223
PLASTERING SYSTEM
Marcus M. Cory, San Diego, Calif.
Application September 22, 1936, Serial No. 101,953
8 Claims. (Cl. 72—130)



3. Means for forming a wall of plaster or cementitious material, comprising a comparatively large surfaced trowel having a finishing surface, means for guiding and supporting said trowel in a substantially upright position for linear movement with its finishing surface traveling in the plane of the exterior surface of the wall to be constructed, and means for impacting the wall material in a wet state against the finishing surface of the trowel.

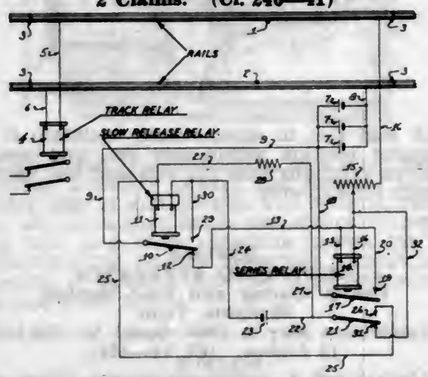
2,187,224
PLASTERING SYSTEM
Marcus M. Cory, San Diego, Calif.
Application December 28, 1936, Serial No. 117,788
Renewed June 10, 1939
8 Claims. (Cl. 72—130)



8. The method of forming a structure of plas-

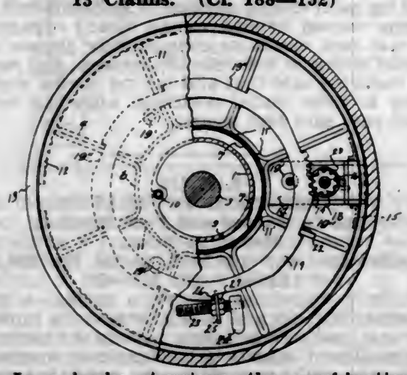
ter or cementitious material about a reenforcing means, that comprises placing a backing-up form in the plane of one surface of the structure to be formed, forcibly discharging the material past said reenforcing means and against said form from a position to the rear of said surface, and vibrating said form to mix and consolidate the material so placed against said form.

2,187,225
IMPULSE TRACK CIRCUIT
David W. Dower, Burlingame, and Augustus W. Clark, Albany, Calif.
Application July 9, 1938, Serial No. 218,886
2 Claims. (Cl. 246—41)



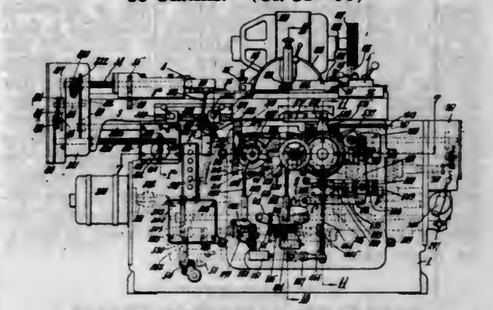
1. In a railway signal system, the combination with a track circuit comprising the rails of a block of track, a signal operating track relay, a battery and a second relay, of an auxiliary circuit comprising a second battery and a third relay operated by said second battery, said third relay having a slower release than the said second relay, front contacts on the second relay included in said auxiliary circuit, and back contacts on the second relay and front contacts on the third relay cooperating to connect both circuits together in the interval of time between the release of the second relay and the delayed release of the third relay.

2,187,226
VEHICLE BRAKE
Merrill Davis, Detroit, Mich.
Application September 29, 1937, Serial No. 166,261
13 Claims. (Cl. 188—152)



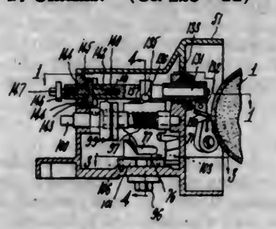
1. In a brake structure, the combination of a shaft, a rotatable member mounted thereon, a brake structure consisting in part of two companion members so shaped that when together they will form three walls of an annular channel, means for securing the two members in assembled position, and fluid passage means into said channel. A cylinder of flexible material having inwardly disposed flanged ends and a perforated metal cylinder of smaller diameter mounted interiorly thereof and of such length that its ends will contact the inner surfaces of the flanged ends of said flexible cylinder in such manner that when positioned between said companion members the act of bringing the companion members together will press the flanged ends of the flexible cylinder into sealed relationship between the ends of the perforated metal cylinder and the walls of the companion members.

2,187,227
GRINDING MACHINE
Ralph E. Flanders, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application October 25, 1935, Serial No. 46,756
35 Claims. (Cl. 51—95)



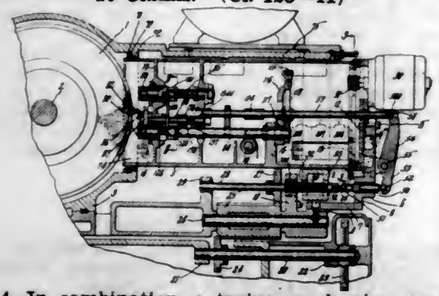
1. In a grinding machine, a support, a cradle carried by said support for rocking adjustment thereon, a grinding wheel carried by said cradle and having its rotational axis approximately intersecting said cradle axis, said cradle having a slot therethrough, a wheel truing slide on said support extending through said slot for motion toward and from said wheel, and wheel truing mechanism carried by said slide.

2,187,228
WHEEL TRUING MECHANISM
Ralph E. Flanders, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application January 29, 1937, Serial No. 122,971
17 Claims. (Cl. 125—11)



1. Mechanism for truing a wheel comprising a rock arm, means supporting said arm to rock on an axis substantially perpendicular to the face of said wheel to be trued, a wheel truing device carried by said arm, means for rocking said arm, and means acting during the rocking of said arm to move said arm lengthwise of its rocking axis.

2,187,229
WHEEL TRUING MECHANISM
Ralph E. Flanders and Lee M. Davis, Springfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application August 26, 1937, Serial No. 160,956
10 Claims. (Cl. 125—11)



4. In combination, a truing mechanism comprising a carriage, means supporting said carriage for motion toward and from a grinding wheel to be trued, said carriage including a pair of parts one of which is angularly fixed and the other of which is angularly adjustable relative to said fixed part about an axis lying in the line of motion of said carriage, a truing device carried by said angularly adjustable part for motion transverse to said line of motion, a lever fulcrumed on said fixed part, an abutment on which another portion of said lever may engage, means yieldingly holding said lever in engagement with said abutment, means for moving said device, and means for moving said lever to thereby move said carriage.

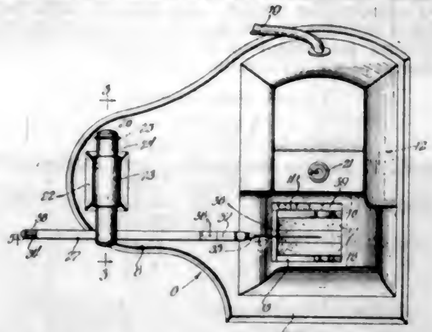
2,187,230
WIRE OR ROD CONNECTOR
Louis Frank, Taft, Calif., assignor of one-third to Adolph Reader, Taft, Calif.
Application May 4, 1938, Serial No. 205,911
6 Claims. (Cl. 287—75)



1. In a wire or rod connector, a tubular core, means on the end portions of said core for gripping inserted wires or rods, a two-part housing enclosing said core and adapted to move the gripping means into engagement with the inserted wires or rods, a spring arranged between the parts of the housing and adapted to normally move the same toward each other and manually operable means mounted for rotation on one of said body members for moving the body members in opposite directions away from each other.

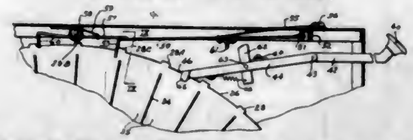
2,187,231
SHARPENING DEVICE
John Frei, Jr., Chicago, Ill.
Application April 13, 1938, Serial No. 201,706
13 Claims. (Cl. 51—98)

1. A device of the class described comprising a base, annular rotatable abrasive means supported on said base, a standard spaced from said abrasive means and carried by said base, a sleeve carried by said standard, a plunger disposed in said sleeve, said plunger being provided with a longitudinal bore and a transverse slot communicating with each other, an instrument supporting arm slidably mounted in said slot, a pin disposed within said bore for free sliding movement therein, means normally urging said pin into contact



with said arm to automatically maintain it in adjusted position within said slot, and means entirely confining said pin and said last named means in said bore.

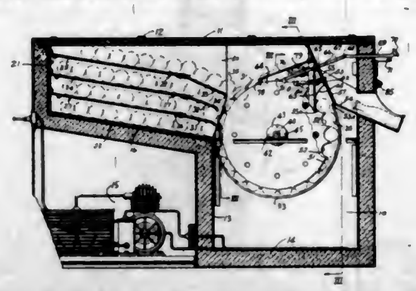
2,187,232
DISPENSING APPARATUS
Lue O. Garner and Fred Montesi, Memphis, Tenn.
Application May 5, 1938, Serial No. 206,133
12 Claims. (Cl. 74—128)



6. Operating mechanism for a vending machine having a casing-enclosed, rotary dispensing drum with projecting, equally spaced lugs and coordinated dispensing pockets; said mechanism including a member having a portion exterior to said casing, said member extending through a wall of said casing and being slidably shiftable into operative engagement with each of said lugs successively, a first means disposed in the path of said lugs adjacent and forward of a said lug, a second means disposed out of the path of said lugs and adjacent but rearward of a said lug, means carried by said first means engageable by said member to displace said first means from said lug path during passage of said adjacent lug, means carried by said second means engageable by said first means to concurrently dispose said second means in the path of said lugs, and means for restoring said first and second means respectively to their initial positions, after lug movement past said first means.

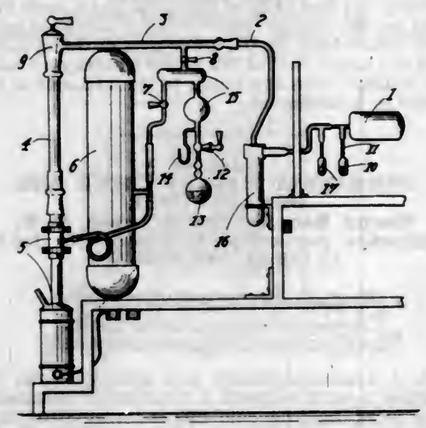
2,187,233
DISPENSING APPARATUS
Lue O. Garner and Fred Montesi, Memphis, Tenn.
Application May 18, 1938, Serial No. 208,522
6 Claims. (Cl. 312—36)

1. In a dispensing device, a casing, a drum mounted therein and rotatable about a horizontal axis, said drum having around its periphery a plurality of equally spaced pockets, means cooperating with said drum for confining packages to said pockets, a division wall within said casing forming a substantially tangential extension of said confining means, said division wall having an opening therethrough for discharge of packages from said pockets, a closure door for said opening hinged along the upper edge of said opening, a discharge chute leading from said opening through a wall of said casing and terminating therewithout, guide means carried by said division wall and extending into the path



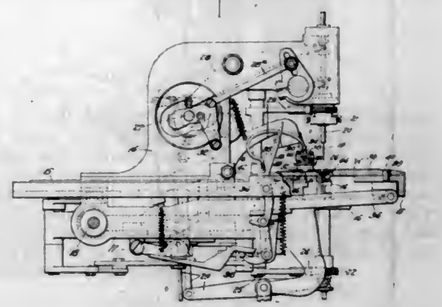
of movement of said pockets, said guide means curving arcuately upward and outward to the upper edge of said division wall opening, means for advancing said drum, and means cooperating with said drum advancing means for accelerating the ejection movement through said opening of packages deflected from said pockets by said guide means.

2,187,234
PROCESS OF PRODUCING A PHOTOELECTRIC TUBE
Paul Görlich, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 25, 1938, Serial No. 192,628
In Germany February 25, 1937
1 Claim. (Cl. 250—27.5)



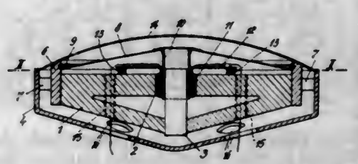
A method of producing a photoelectric active layer in a photoelectric tube which consists of depositing a metal coating on the inner wall of the bulb of the tube, evacuating said bulb, depositing a coating of an alkali metal on said metal coating, introducing a predetermined amount of oxygen into said bulb just sufficient to convert said alkali metal coating into a photoelectric active oxide of the alkali metal, evacuating the bulb a second time and then depositing a coating of free alkali metal on said layer of alkali metal oxide.

2,187,235
SEWING MACHINE
Carl A. O. Grip, Newton, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application December 5, 1938, Serial No. 243,968
2 Claims. (Cl. 112—76)



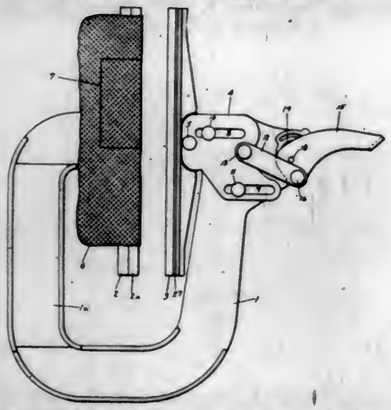
1. In a sewing machine having stitching mechanism, work clamping means comprising a work plate and a clamping member having alined openings through which the stitching mechanism operates, said member comprising a portion adapted to clamp the work about the opening in said work plate and a portion adapted to depress the work into said opening, a carrier upon which said member is movably mounted, and means for yieldingly positioning said member on said carrier to cause the work clamping portion thereof to engage the work substantially parallel to said work plate.

2,187,236
ELECTRODYNAMIC APPARATUS
Erich Hausdorf, Berlin, Germany
Application January 13, 1936, Serial No. 58,842
In Germany November 4, 1935
5 Claims. (Cl. 179—115.5)



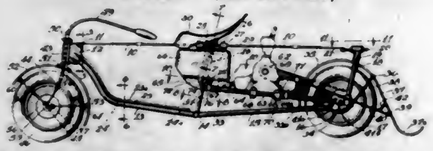
1. In a device of the character described, the combination of a casing having a circumferential outer wall, and an inner ring spaced therefrom, a bottom wall provided with openings and a top wall provided with openings, a permanent magnet fixedly supported by said ring and spaced from the outer wall, the upper wall and the lower wall the interior of the casing being free of obstructions between the magnet and the casing, a central pole piece secured to said permanent magnet and projecting through the same with clearance, a diaphragm fixedly mounted along its edge free of said magnet and subject to a predominating inertia repression, a tubular coil support centrally mounted on the diaphragm, and a voice coil carried by said tubular support within the annular gap between said central pole piece and the permanent magnet, the vibrations inducible in said diaphragm upon energization of said coil being adapted to move freely into and out of the casing through the openings in the opposite walls thereof.

2,187,237
BLIND STITCHING DEVICE
John Jordan, Portland, Oreg.
Application November 25, 1938, Serial No. 242,147
6 Claims. (Cl. 112—140)



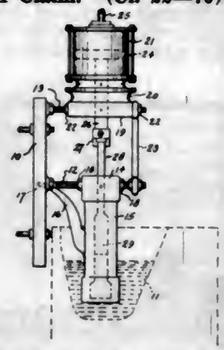
1. In a device for sewing a bight of cloth containing two edges to be sewn together by blind seaming, a pair of fabric holding means for holding abutting edges of a fabric in a bight for presentation to a sewing needle, one of said pair of holding means being of hard material roughened to grip the fabric and the other of said pair of holding means being of resilient rubber, and means for guiding the pair of holding means to present the bight of cloth to the needle where it is held between the respective holding means.

2,187,238
MOTORCYCLE AND THE LIKE
Trenor P. Judd, Cairo, Ill.
Application December 18, 1936, Serial No. 116,452
10 Claims. (Cl. 180—30)



1. In a vehicle of the class described, the combination of a rear main-frame portion including horizontal lower members and vertical members rigidly secured at their lower ends to the rear ends of said horizontal lower members respectively, a front main-frame portion including a frame head and members rigidly secured thereto and extending downwardly and rearwardly and pivotally connected at their rear ends with the front ends of said horizontal lower members, horizontal and longitudinally extending spring members connecting the upper ends of said vertical members with said frame head, a tubular member secured to the mid-portions of said spring members and extending downwardly and towards said pivotal connections, a rod extending upwardly from said pivotal connections and into the lower end of said tubular member with a sliding fit, a front fork having an upper fork member extending vertically through said head for turning movement therein, front and rear wheels pivotally connected respectively with said front fork and said rear main-frame portion, a seat supported by said spring members, and a steering handle secured to the upper member of said front fork.

2,187,239
DIE CASTING MACHINE
Harry J. Kalajian, Detroit, Mich.
Application October 6, 1939, Serial No. 298,278
1 Claim. (Cl. 22—70)



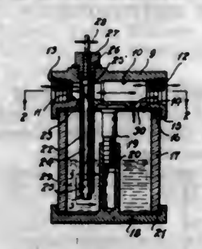
In a die casting machine, a die plate having a forwardly exposed surface, in front of, adjacent, and below which is a molten metal pot, a pump or gooseneck having an inlet port submerged in the pot and having a discharge nozzle in discharge cooperation with the die plate, and formations on the die plate and pump cooperating for detachably securing the pump directly on and in front of the die plate and above the pot, whereby the pump is supported directly from the die plate, and an actuating cylinder for said pump, and formations on the die plate and cylinder cooperating for detachably securing the cylinder directly on and in front of the die plate and above the pump, whereby the cylinder also is supported directly from the die plate, each set of formations comprising bolts fixed in and projecting forwardly from the die plate, and holes in the pump or the cylinder through which pass the bolts, and nuts threaded on the bolts, and links or struts connecting the free ends of the bolts to tie such free ends to one another, there being a relatively large clear space between the lower part of the cylinder and the upper part of the pump whereby a transfer of heat from the pump to the cylinder is reduced to a minimum.

2,187,240
PERMANENT MAGNET CHUCK AND DEMAGNETIZER
Samuel Karasick, Mount Vernon, N. Y.
Application January 16, 1937, Serial No. 120,978
17 Claims. (Cl. 175—367)



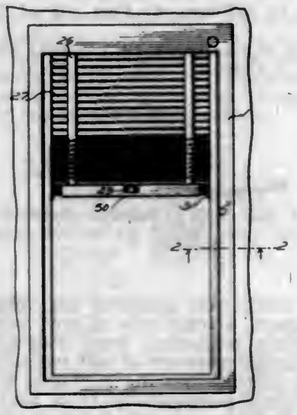
4. A combined chuck and demagnetizer, including a work support, a plurality of magnetizable work holding pole pieces terminating in a complex pattern in a work-supporting surface of said support, means including said pole pieces and permanent magnets in operative relation thereto for holding magnetizable work pieces on said surface whereby a flux pattern corresponding to said complex pattern is developed in said work pieces, and means for repeatedly moving opposite poles of said magnets into engagement with said pole pieces to reverse the flux therethrough whereby the work pieces are deenergized in the same flux pattern that magnetized them as the work is withdrawn from the support.

2,187,241
OILER FOR AIR TOOLS
Ottmar A. Kehle, Detroit, Mich., assignor to Sterling Products Company, Detroit, Mich., a corporation of California
Application April 8, 1936, Serial No. 73,283
3 Claims. (Cl. 184—55)



1. An oiling device of the class described, adapted for being interposed in an air line used for operating air tools, comprising: a head having a passage formed therein, the opposite ends of said passage being adapted for reception of interrupted ends of an air line; a reservoir mounted on said head and communicating with said passage; a tubular member carried by said head and projected through said passage and into said reservoir and having an opening in the portion lying in said passage, the end of said tubular member in said reservoir being immersed in lubricant contained therein; means projected through and slideable of said tube for closing said end of said tube and opening the same variable amounts; and means accessible exteriorly of said head and in alignment with said tube closing means for effecting slideable movement of said tube closing means.

2,187,242
VENETIAN BLIND
Michael L. Kesner, Chicago, Ill.
Application October 6, 1938, Serial No. 233,514
3 Claims. (Cl. 156—17)



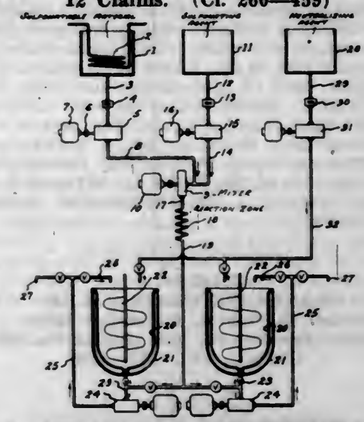
1. A blind construction of the class described including a set of louvers with flexible suspension connections between the louvers, a frame structure for the louvers including channel elements of V-section for guiding the louvers, and resiliently mounted conical grip elements connected with the louvers and engageable with the V-channels for retaining the louvers in any desired set position in the blind frame.

2,187,243
THROTTLE GOVERNOR
Louis Langhaar, Allentown, Pa.
Application November 19, 1936, Serial No. 111,686
11 Claims. (Cl. 137—152)



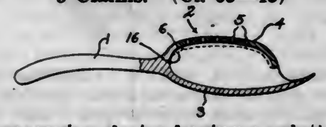
1. A self-contained governor for influencing flow of air through a conduit, said governor comprising an unbalanced butterfly valve pivotally mounted in the governor assembly to be closed solely by action of current passing through said conduit, and a spring to hold said butterfly valve normally open below some pressure thereon, said butterfly valve and spring being adapted for insertion as a unit within said conduit.

2,187,244
SULPHONATION
Victor Mills, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application September 4, 1936, Serial No. 99,461
12 Claims. (Cl. 260—459)



1. A continuous process of sulphonation which comprises bringing together continuously flowing streams of a sulphonating agent and an aliphatic alcoholic hydroxy compound in the full proportions required for the desired degree of sulphonation, allowing the mixture to react during its flow without substantially restraining the rise of temperature due to chemical reaction and continuously delivering the reaction mixture to a reaction arresting treatment.

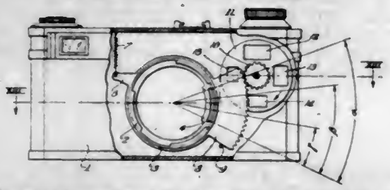
2,187,245
CONDIMENT SPRINKLER
Lester W. Nerney, Attleboro, Mass.
Application May 14, 1938, Serial No. 207,983
5 Claims. (Cl. 65—45)



4. A seasoning device having a relatively long handle and bowl portion formed of relatively

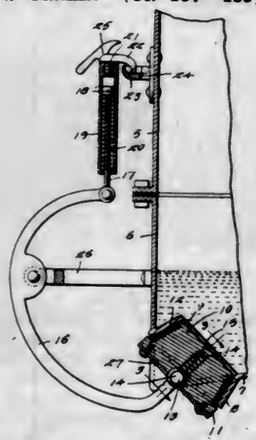
rigid composition, said bowl portion having side walls with an attaching seat and a scoop edge portion and a separate distributing portion formed of sheet-like material having a plurality of openings therein and with side portions shaped to fit said attaching seat of said side walls of the bowl portion to hold the said distributing portion on said bowl portion.

2,187,246
PHOTOGRAPHIC CAMERA
Hubert Nerwin, Dresden-Reick, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application November 23, 1938, Serial No. 241,896
In Germany December 10, 1937
13 Claims. (Cl. 88—1.5)



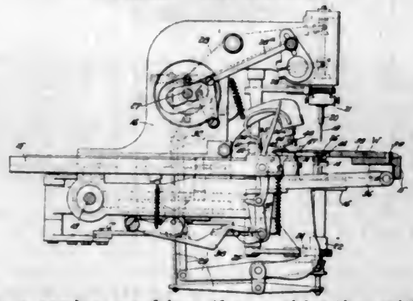
1. In a photographic camera, a camera casing, means for detachably attaching to said casing selectively any one of a number of interchangeable objective mounts for photographic objectives having different picture angles, a finder within said casing, and means within said casing for varying the size of the image area appearing in said finder, each of said objective mounts being provided with means engaging and differently actuating said image area varying means when the photographic objective mount is attached to the camera casing so as to adjust automatically the image area of the finder to correspond with the picture angle of the photographic objective in said mount.

2,187,247
CRANKCASE DRAIN VALVE
Russell H. Nichols, Rochester, Minn.
Application January 25, 1939, Serial No. 252,815
2 Claims. (Cl. 137—139)



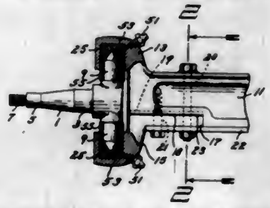
1. In combination with a crankcase formed with an angularly disposed drain opening at the jointure of the side and bottom walls of said crankcase, a plug seated in said opening and fashioned with a socket, an arm pivotally connected to said side wall and having upper and lower ends, a ball carried on said lower end and seated in said socket, and a latch connected to said upper end and engaging a portion of said side wall whereby to maintain said plug in said opening, said latch being disengageable from said side wall to effect pivoting of said arm to move said plug out of said opening for draining said crankcase.

2,187,248
SEWING MACHINE
Joseph H. Pikul, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application December 1, 1938, Serial No. 243,311
1 Claim. (Cl. 112—76)



In a sewing machine, the combination with a work plate having therethrough an opening with downwardly converging serrated edges, of a work clamping member having an exterior form substantially complementary to said opening.

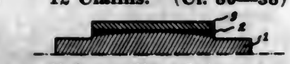
2,187,249
FRONT AXLE AND WHEEL SPINDLE
Frederick M. Schatz, Detroit, Mich., assignor of one-seventh to Herman Strube, Detroit, Mich.; one-seventh to Herbert Strube, one-seventh to William Strube, one-seventh to Charles Strube, one-seventh to Sheldon Griffin, and one-seventh to William A. Sirr, all of Ferndale, Mich.
Application September 1, 1937, Serial No. 161,883
3 Claims. (Cl. 280—96.1)



1. In a front axle assembly for vehicles the combination of, a front axle, a front wheel spindle, trunnions projecting from said spindle in opposed relation, the ends of said trunnions being tapered to provide bearing surfaces, a bearing arm projecting permanently from said axle, a second bearing arm separate from said axle, tapered bearing apertures in said bearing arms for journalling the tapered ends of said trunnions and adjusting the slack motion thereof, bolt clamping means securing said second bearing arm to said axle to project therefrom in spaced relation from the first bearing arm, removable shims between said second bearing arm and the axle to regulate the spaced relation between the bearing apertures in the arms for adjusting the

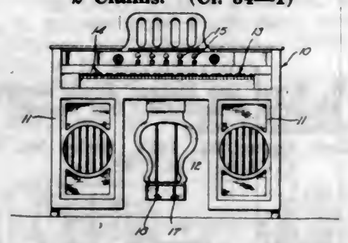
side play and the end play of said trunnions, and a safety strap extending along said axle with one end secured by said bolt clamping means.

2,187,250
METHOD OF COMPENSATING FOR ROLL DEFLECTION
Tadeusz Sendzimir, Paris, France, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application October 11, 1937, Serial No. 168,318
In Germany October 15, 1936
12 Claims. (Cl. 80—38)



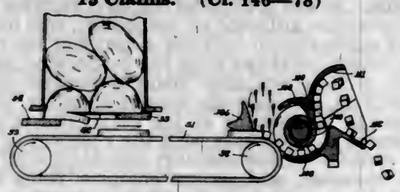
1. In a mill for rolling flat stock, working and intermediate rolls, supporting beams, and backing elements for said intermediate rolls situated in channels provided in said supporting beams, said supporting beams having slots therein parallel to said rolls and of a depth gradually increasing toward the extremities of said supporting beams, said slots so disposed as to permit an additional sag of said backing elements in a direction transverse to said beams, said sag increasing with increasing depth of said slots.

2,187,251
ELECTRICAL MUSICAL INSTRUMENT
Victor H. Severy, Glendale, Calif.
Application July 13, 1936, Serial No. 90,273
2 Claims. (Cl. 84—1)



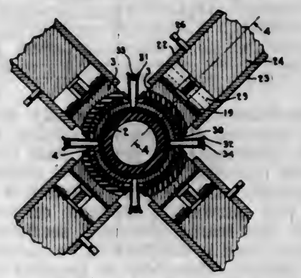
1. In an electrical musical instrument, a vibratile sounder, an electrostatic pick-up coacting with said sounder, means supporting the pick-up for movement toward and away from the sounder, and power driven cam means for moving the pick-up to produce a tremolo effect.

2,187,252
DICING MACHINE
William E. Urschel, Valparaiso, Ind.
Application August 25, 1937, Serial No. 160,868
15 Claims. (Cl. 146—78)



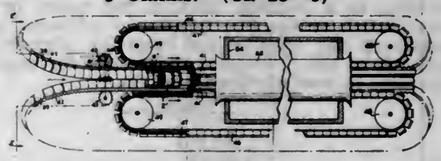
1. A dicing machine comprising a generally horizontal table having a blade fixedly arranged thereon for cutting substance passed across said table, a hopper above said blade, said hopper being mounted for rotational movement about a predetermined axis upstanding from said table, a plurality of tubular guide members adapted to accommodate and guide the substance to be sliced, said guide members being substantially parallel to said axis and offset radially therefrom and having their bottoms lying slightly above the plane of the edge of said blade, said hopper being arranged adjacent the inlet sides of said guide tubes and communicating therewith, and a pivoted arm extending into said hopper for directing substance into the rotating guide tubes.

2,187,253
CONTINUOUS VULCANIZER
Archibald L. Wallace, Brooklyn, N. Y., assignor to Richard H. Crook, as trustee
Application March 16, 1935, Serial No. 11,395
11 Claims. (Cl. 18—6)



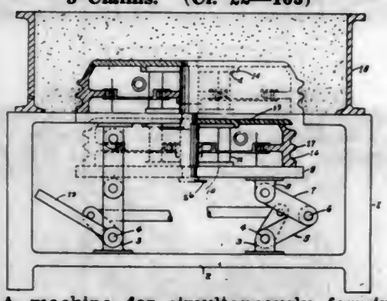
4. A vulcanizing machine comprising in combination an elongated relatively narrow vulcanizing chamber, a multiplicity of parallel endless series of mould members adapted to receive the material to be vulcanized between them and means for exerting pressure upon mould members of each of said series during the vulcanizing operation, tending to force them toward the said material, said endless series comprising an endless belt for each of said series with mould members secured thereto collectively defining and completely enclosing a restricted cylindrical vulcanizing space within said chamber, and rollers interposed between said belt and said pressure exerting means, said rollers including a series for each of said mould series, each series of rollers operating in an orbital path confined by the orbital path of one of said mould series.

2,187,254
CONTINUOUS VULCANIZER
Archibald L. Wallace, Northport, N. Y., assignor to Richard H. Crook, trustee
Original application March 16, 1935, Serial No. 11,395. Divided and this application September 3, 1937, Serial No. 162,228
5 Claims. (Cl. 18—6)



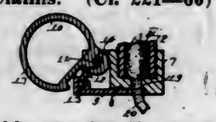
4. A vulcanizing machine comprising in combination a plurality of parallel but separated series of mold members adapted to receive the material to be vulcanized between them, each of said series comprising a plurality of mold members articulated together and securing dogs mounted separately from said mold members, each of said dogs engaging with a single mold member in each of a plurality of different series to secure the mold members together.

2,187,255
MOLDING MACHINE
George Walther, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio
Application May 1, 1937, Serial No. 140,212
5 Claims. (Cl. 22—163)



1. A machine for simultaneously forming a mold and grooves therein comprising a frame, a pattern plate, means within said frame for raising and lowering said plate, a pattern comprising peripherally-ribbed segmental sections inwardly and outwardly movable on said plate, a flask on said frame over said sections against which green sand is adapted to be rammed after they are moved outwardly, a vertical operating shaft carried by said plate, a wrist plate fixed to said shaft, links connected between said wrist plate and the segmental sections, and means for turning said shaft to draw the segmental sections inwardly before they are lowered, to prevent the breaking of the cavities which their peripheral ribs form in the sand mold in the flask.

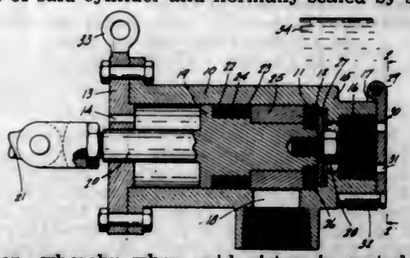
2,187,256
VALVED CAP FOR CONTAINERS
Fred E. White, Nashville, Mich.
Application March 23, 1939, Serial No. 263,657
3 Claims. (Cl. 221—60)



1. A detachable cap for the vent of a tooth paste container or the like, having a body with a discharge opening communicating with the vent, a valve slidable on the body to and from operative position closing the opening and a member turnable on the body, operatively connected with the valve for sliding the same and having an outer surface adapted to be engaged, for turning said member to a position opening the valve, by a tooth brush or the like positioned adjacent the mouth of the opening for receiving therefrom contents of the container, and means for urging the valve to normal closed position.

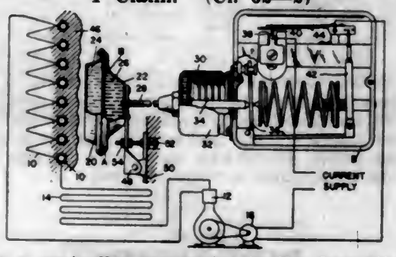
2,187,257
VALVE
John C. Williams, Reno, Nev., assignor to John C. Williams Corporation, a corporation of Nevada
Application August 15, 1938, Serial No. 224,968
8 Claims. (Cl. 251—75)

1. A valve comprising a cylinder open to surrounding fluid at both ends, one end of which forms a selective intake and discharge end having a first port and a plane internal annular seat terminating peripherally in an annular groove formed in the cylinder wall; a piston slidable in said cylinder and sealing means for each end of said piston sealing said piston against escape of fluid thereby and including an annular resilient sealing ring for said one end for cooperation with said seat and expansion into said groove and effectively sealing and reducing the exposed area of that end of the piston when seated, the other end of said piston being exposed to the pressure of the surrounding fluid through the other end of said cylinder; a second port opening into the side of said cylinder and normally sealed by said



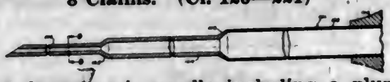
piston, whereby when said piston is seated on said seat, said second port is sealed and said piston is in a condition of imbalance due to the difference in area exposed at its opposite ends to surrounding pressures and urged to said seat by the pressure of surrounding fluid; cracking of said valve to expose the seat area to the surrounding fluid restoring said piston to a condition of balance with respect to said surrounding fluid; further retraction of said piston opening said second port for communication with said first port.

2,187,258
CONTROLLER
Wilbur W. Wood, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application August 31, 1936, Serial No. 98,671
1 Claim. (Cl. 62—2)



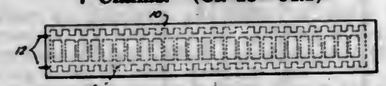
In a controller responsive to the formation of ice, a control member, means for actuating said control member comprising a variable volume chamber, means for supporting said variable volume chamber adjacent an evaporator, said means being adjustable to vary the distance of the variable volume chamber from the evaporator as desired, after which such distance remains fixed, a liquid in said variable volume chamber which freezes by ice forming on the evaporator to such thickness as to contact with the chamber, a second variable volume chamber associated with said first chamber, said second chamber being contracted by expansion of said first chamber, and a substance in said second chamber remaining in the liquid phase during the entire range of temperatures affecting said second chamber and thereby operable to transmit the movement caused by expansion due to freezing of said first liquid or contraction due to melting thereof to said control member.

2,187,259
HYPODERMIC NEEDLE
George E. Barnhart, Pasadena, Calif.
Application July 11, 1936, Serial No. 90,135
8 Claims. (Cl. 128—221)



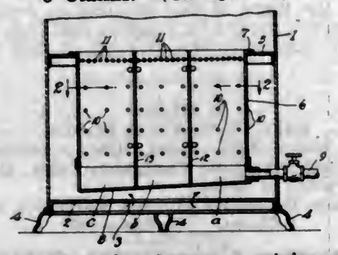
1. A hypodermic needle including a plurality of stepped portions with the portion comprising the smallest step having a thicker wall than the other portions.

2,187,260
MATRIX
Oscar R. Brandenburg, Milwaukee, Wis.
Application March 23, 1936, Serial No. 70,249
7 Claims. (Cl. 18—34.1)



1. A matrix, comprising, a strip of soft flexible material and a strip of ductile material embedded in said flexible material, said strips being adapted to be shaped around the periphery of an impression or the like and to form therewith a mold, said strip of ductile material being of sufficient stiffness to cause the matrix to retain the shape of the periphery of the impression during the casting operation in the mold.

2,187,261
HYDROCARBON BURNER
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Original application October 20, 1937, Serial No. 169,960. Divided and this application May 12, 1938, Serial No. 207,484. Renewed June 16, 1939
8 Claims. (Cl. 158—91)



1. In a hydrocarbon burner, a mixing chamber including a pair of side walls having air apertures, a bottom for said mixing chamber, generally vertical partition walls extending between said side walls and dividing the interior of the chamber into a plurality of separate spaces, each of said spaces having a horizontal cross sectional area sufficiently small in relation to the height of such space substantially to prevent down drafts or eddies during combustion, means for directing a hydrocarbon into one of said spaces, and means effective to permit the flow of excess hydrocarbon into adjacent spaces.

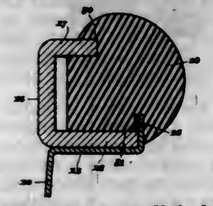
2,187,262
FURROW DAMMING MACHINE
Loyd S. Brown, Kanorado, Kans.
Application February 21, 1939, Serial No. 257,581
8 Claims. (Cl. 97—55)

1. A furrow damming device comprising: a shovel blade; means for drawing said shovel blade along a furrow; and hinge means for mounting



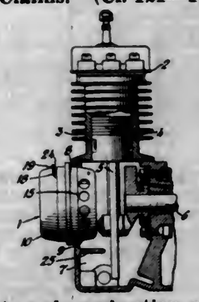
said blade so that when the weight of soil thereon reaches a pre-determined amount said blade will rotate on said hinge means to dump said soil.

2,187,263
RIMMED STRUCTURE
Earl C. Bullock, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application August 13, 1937, Serial No. 158,899
7 Claims. (Cl. 220—73)



1. A receptacle whose wall is laterally flanged at its upper edge to provide a rim support and again flanged upwardly to provide a rim securing portion, a channel rim element having one leg thereof supported upon said rim support and the other leg thereof extending at substantially right angles to the upwardly extending flange, and a resilient rim element having one groove within which the last mentioned leg of the channel rim element is seated and having another groove within which said rim securing portion is seated.

2,187,264
CRANKCASE BREATHER
Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 16, 1937, Serial No. 180,115
7 Claims. (Cl. 121—194)



1. In an internal combustion engine provided with a crankcase, a breather unit adapted to be mounted directly within an opening in the crankcase, including a casing having a substantially cylindrical portion extending into the crankcase with peripheral openings in said portion to place the interior of said casing in communication with said crankcase, and having a portion extending outside of said crankcase with an opening to the

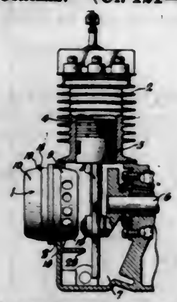
atmosphere, and means within said casing to baffle and filter the crankcase vapors passing through said casing from said crankcase to the atmosphere.

2,187,265

CRANKCASE BREATHER CONSTRUCTION

Wilbur L. Carlson, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 24, 1938, Serial No. 186,579
8 Claims. (Cl. 121—194)



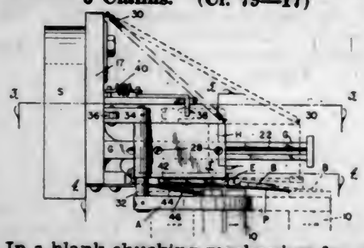
1. In a crankcase breather, a casing adapted to communicate with a crankcase adjacent one end of said casing and with the atmosphere adjacent the other end of said casing, a wall intermediate the ends of said casing provided with a one-way pressure operated valve for the passage of crankcase vapors from the crankcase to the atmosphere, filter material in said casing between said valve and the outlet to the atmosphere to remove oil from said vapors, and means interposed between said wall and said filter material to space said material from said valve.

2,187,266

BUTTON BLANK CHUCKING MECHANISM

Edward C. Carris and Jerry R. Carris, Washington, Iowa, assignors to Iowa Button Machinery Company, Washington, Iowa, a corporation of Iowa

Application June 14, 1937, Serial No. 148,127
6 Claims. (Cl. 79—17)



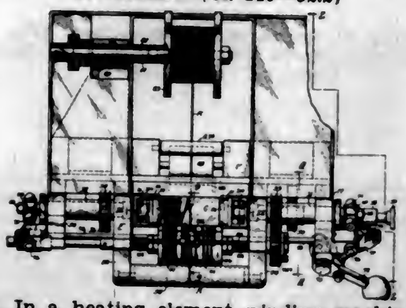
1. In a blank chucking mechanism for use with spaced, traveling blank receiving chucks, a stationary guide, a chucker head movable relative thereto and having an actuator to engage a chuck as it moves relative to the guide for carrying said chucker head with the chuck, a feed plate to receive blanks periodically, said chucker head having an ejector engageable with a blank on said feed plate when said head is moved by a chuck for ejecting the blank from said feed plate and into the chuck, said actuator comprising a pair of pivoted hook arms having ends engageable with the chuck, a toggle connection between said hook arms at the opposite side of the pivots to normally retain them engaged with the chuck and a joint breaker for said toggle connection mounted in a preselected position on said guide and engageable with said toggle connection to break the joint and change the relative length thereof for releasing the ends of said hook arms from the chuck after a blank has been ejected from said feed plate.

2,187,267

HEATING ELEMENT WINDING MACHINE

Thomas E. Galligan, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application February 27, 1939, Serial No. 258,776
20 Claims. (Cl. 140—92.2)



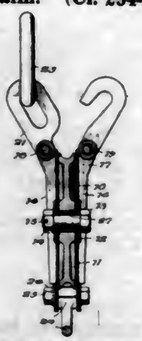
1. In a heating element winding machine, a frame, a pair of spaced axially aligned arbors journaled thereon, means for rotating said arbors simultaneously at the same speed and in the same direction, a jaw carried by each arbor to grip the ends of a heating element core having perforations in its ends, said jaws having pins to be received in said perforations, means for moving one of said jaws axially to move its pins axially and thereby place said core under tension, a ribbon guide for a heating element ribbon to be found on said core, cam means for shifting said ribbon guide axially relative to said core as the core is rotated by said arbors and thereby spacing the turns of said winding as desired on said core and means for rotating said cam means in timed relation to the rotation of said arbors.

2,187,268

SAFETY SNATCH BLOCK

Arthur Miller Hill, Tulsa, Okla., assignor to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine

Application December 30, 1938, Serial No. 248,642
1 Claim. (Cl. 254—193)



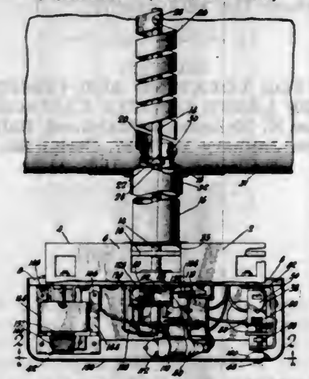
A snatch block comprising a sheave, a body portion extending on both sides of said sheave, a latch ring mounted on one side of said body portion and pivoted to move in a plane substantially normal to the plane of said sheave, a draft member carried by an elongated opening in said latch ring, a double latch hook mounted on the other side of said body portion, pivoted to move in a plane substantially normal to the plane of said sheave and constructed and arranged to engage said draft member on both sides of said latch ring, said latch ring and said latch hook being movable away from each other to give access to said sheave and movable towards each other into a position in which said double latch hook engages said draft member on both sides of said latch ring, said draft member thus being engaged symmetrically by the latch members mounted on opposite sides of said body portion.

2,187,269

OIL BURNER CONTROL

William H. Hutchins and Henry C. Rohr, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 3, 1936, Serial No. 113,962
7 Claims. (Cl. 200—138)



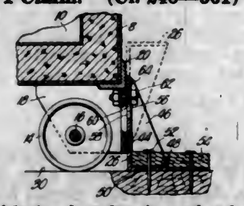
1. In a control mechanism for fluid fuel burners, a panel, a rod rotatably carried therein, an arm mounted on the rod, friction driving means between the arm and rod influencing the arm to rotate with the rod but allowing relative motion between the two, a member freely pivoted on the rod adapted to engage the arm and switching means carried by the pivoted means whereby the arm may tilt the pivoted means to actuate the switch.

2,187,270

ANCHORING STRUCTURE FOR PORTABLE ICE BOXES

William F. Kirk, Kansas City, Mo.

Application December 17, 1937, Serial No. 180,360
1 Claim. (Cl. 248—361)



In a portable ice box having wheels on the bottom thereof for moving the same along a supporting surface, anchoring structure for securing the ice box in place, comprising an element consisting of a slotted backwall disposed in a vertical plane against one side of the ice box, a slotted bottom wall disposed in a horizontal plane against the supporting surface when the element is in the operative position, and side walls cooperating with said backwall and the bottom wall to form a block-receiving cavity; and a bolt having a head and a squared shank thereon carried by the ice box and extending through the slot in said backwall, said slot having a central enlarged portion intermediate its ends to permit turning said element about the axis of said bolt when the latter is extended through the enlarged portion, the slot on each side of the enlarged portion being narrower than the enlarged portion and substantially the same width as the squared shank of the bolt to hold the element against accidental rotary movement when the squared shank is in the slot on either side of the enlarged portion, the location of said slot and the bolt being such as to allow the bottom wall of the element to rest upon the supporting surface when the wheels of the ice box are resting on the surface and with the bolt against the end of the slot above and at one side of the enlarged portion thereof or to permit the element to be rotated 180° and slide over the bolt until the squared shank is positioned adjacent the end of the slot on the other side of said opening.

2,187,271

DRY SHAVER

Raymond Knapp, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application October 3, 1938, Serial No. 233,056
4 Claims. (Cl. 51—170)



3. In a dry shaver of the character described, a motor shaft, a cup thereon and a hair abrading member supported in said cup and provided with a plurality of grooves, said abrading member being engageable with hair projecting from the user's skin whereby reciprocation of said abrasive member relative thereto causes said grooves to engage the hair so that the hair is alternately bent in opposite directions, the peripheral edge of said hair abrading member being rounded and overhanging the peripheral edge of said cup and said grooves having continuations extending across said rounded, peripheral, overhanging edge of said abrading member.

2,187,272

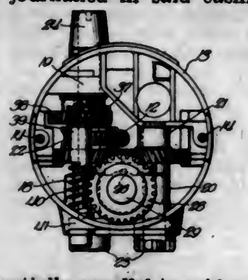
POWER TAKE-OFF FOR FOOD MIXERS

William Bernard Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application April 24, 1939, Serial No. 269,701
6 Claims. (Cl. 74—428)
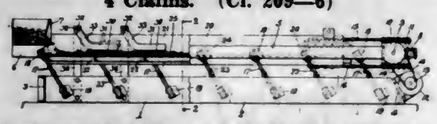
1. In a power take-off for food mixers, a casing

adapted to be mounted on one end of a mixer motor, a motor shaft projecting from the motor and entering said casing, said motor shaft having a worm within said casing, a pair of spaced mixer shafts journalled in said casing, said mixer shafts being arranged in a plane at substantially right angles to the axis of said motor shaft and being geared together, a worm gear on one of said mixer shafts meshing with said worm, a power shaft journalled in said casing and ar-



ranged substantially parallel to said motor shaft, said casing having a socket surrounding said power shaft outwardly relative to the mixer shafts and adapted to receive a boss of a tool to be operated by said power shaft, a worm gear on said power shaft located inwardly relative to said mixer shafts and a counter-shaft extending substantially parallel to one of said mixer shafts, being geared thereto and having a worm meshing with the worm gear of said power shaft.

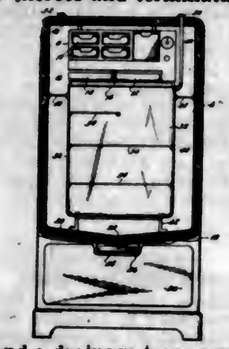
2,187,273
HAMMER SCREEN
Victor F. Larson, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 12, 1937, Serial No. 153,150
4 Claims. (Cl. 209—6)



1. In combination, a screen base, a screen deck movably mounted on said base, means for vibrating said screen deck, screen mesh mounted on said deck, means for feeding material to be screened to said deck, a breaker plate associated with said deck, a crusher member gravitally opposed to said breaker plate and pivoted for movement about an axis lying in a plane above the plane of said breaker plate, and a support for said crusher member, to which said crusher member is journaled, said support being mounted upon and upwardly extending from said screen base, said crusher member normally lying with a portion in contact with the material passing along the screen deck, its weight being sufficient to impart a crushing action upon the material passing over the breaker plate in response to the vibratory movement of the deck.

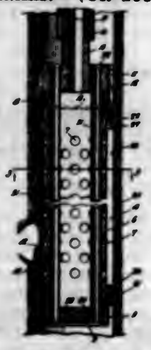
2,187,274
REFRIGERATOR STRUCTURE
Glenn R. Loveless, Kansas City, Mo.
Application December 19, 1936, Serial No. 116,793
Renewed June 19, 1939
4 Claims. (Cl. 62—89)

1. A refrigerator structure comprising a closed case; a storage box supported within the case with at least four walls thereof spaced from the walls of the case to provide a continuous air chamber; an evaporator positioned in the chamber; a vent pipe in communication with the box at the top thereof and terminating exteriorly of



the case; and a drainage tray carrier mounted on the case below the bottom thereof, said case having a drain-opening formed through the bottom thereof above the said carrier.

2,187,275
MEANS FOR LOCATING AND CEMENTING OFF LEAKS IN WELL CASINGS
Amos N. McLennan, Maywood, Calif.
Application January 12, 1937, Serial No. 120,211
7 Claims. (Cl. 166—1)

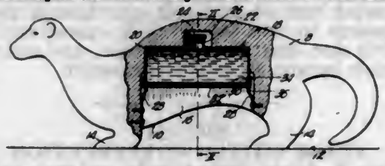


1. A tool for repairing leaks in casing comprising a tubular body having perforations in its wall, means for lowering said body into a casing and for introducing cementitious material under pressure to said body while within said casing, spaced packing means carried by said body and engaging said casing to confine cementitious material passing through said perforations to that portion of said casing between said packings, and means carried by said body and operable without removal of said tool from said casing after introduction of said cementitious material for removing hardened cementitious material from the space between said body and casing.

2,187,276
HOLDER FOR LIQUID INSECTICIDES
Milo F. Miller, Kansas City, Mo.
Application July 31, 1939, Serial No. 287,477
7 Claims. (Cl. 43—131)

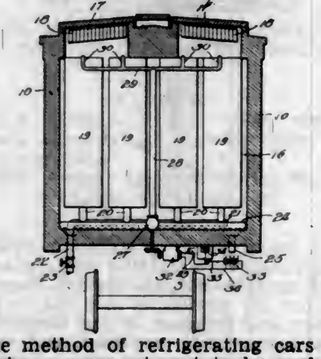
1. A holder for liquid insecticide comprising a body having a cavity formed inwardly from a normally lower side thereof; a reservoir for the liquid provided with a plurality of minute openings through the lowermost portion thereof; and

yieldable means for securing the reservoir in place within the cavity with the said lowermost portion spaced inwardly from the lower side of



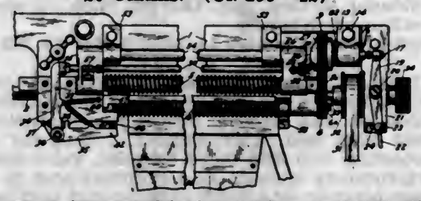
the body, said minute openings being small enough to prevent escape of the liquid insecticide without an outside force.

2,187,277
CAR REFRIGERATION
David P. Minard, Chicago, Ill.
Application December 17, 1937, Serial No. 180,284
9 Claims. (Cl. 62—20)



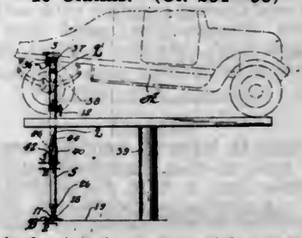
7. The method of refrigerating cars and the like having a compartment to be cooled which comprises, confining a meltable refrigerant mass in a tank having an outer surface along which air to be cooled is passed, said mass having heat absorption contact with an inner surface of said tank; recirculating meltage from said mass directly back to the upper portion of said tank, at substantially its withdrawal temperature, and then through the mass along said inner surface for maintaining a substantially uniform heat absorption relation between the mass and said outer surface of the tank along which the air is passed; and circulating such air from said compartment along said outer surface and back to said compartment.

2,187,278
TYPOGRAPHICAL MACHINE
Clay E. Murray, near Davenport, Iowa, assignor to Linograph Corporation, Davenport, Iowa, a corporation of Delaware
Application February 4, 1939, Serial No. 254,699
20 Claims. (Cl. 199—42)



1. In a typographical machine, a distributing mechanism comprising a plurality of matrix feeding screws, mechanism for feeding matrices, one at a time, to said screws, and mechanism for actuating the second mentioned mechanism whereby to selectively cause said second mentioned mechanism to be actuated either once for each rotation of said screws or once for each two rotations of the screws.

2,187,279
JACK STRUCTURE
Leonard D. Nilson, Wayzata, Minn.
Application July 18, 1938, Serial No. 219,794
15 Claims. (Cl. 254—93)



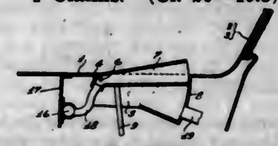
12. A jack structure comprising telescopically extensible members having means for engaging a floor or the like on one end thereof and means on the other end thereof for engaging an object to be elevated thereby, lifting mechanism within said jack structure and an operating sleeve for said lifting mechanism which is telescopically movable along the exterior of said jack structure and connected through a slot in the wall thereof with said lifting mechanism.

2,187,280
BEAM
Bert A. Olson, Maywood, Ill.
Application March 11, 1938, Serial No. 195,232
9 Claims. (Cl. 189—37)



1. A structural unit having two metal sections, a filler rail secured by said sections, each section having a web provided with central beads and vertical and diagonal beads intersecting said central beads and each other with flared ends, and means for securing said sections together.

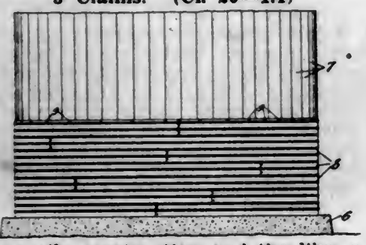
2,187,281
AUTOMOBILE HEATER
John V. Pagliaroni, Clawson, Mich., assignor of one-third to Mildred A. Hund, Grosse Pointe Park, Mich., and one-third to Howard R. Roberts, Westchester, Ill.
Application January 18, 1937, Serial No. 121,062
4 Claims. (Cl. 20—40.5)



1. A heated air distributor for an automobile

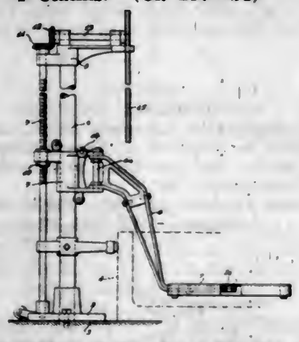
having a windshield, a cowl with an opening therein adjacent the windshield and a passenger compartment, said distributor comprising a housing adapted to be mounted on said cowl beneath the opening therein, an outlet member pivotally mounted in said housing, said outlet member being adapted to receive heated air, said housing having a wall adapted to close the outlet end of said outlet member and an outlet leading to said passenger compartment, and means for moving said outlet member to selective positions wherein said wall closes the outlet end thereof, wherein the outlet end thereof registers with said housing outlet. and wherein the outlet end projects through said cowl opening to direct heated air against said windshield.

2,187,282
METAL SIDING FOR SILOS
Peter Rutten, Plainfield, Ill.
Application July 5, 1938, Serial No. 217,390
3 Claims. (Cl. 20—1.4)



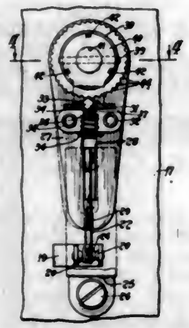
1. In a silo construction and the like, a substantially circular supporting wall structure, and wall covering elements comprising a plurality of elongated strips positioned circumferentially of said wall structure to provide substantially continuous circumferential bands, longitudinal corrugations spaced inwardly from the upper and lower edges of said bands, said strips being substantially flat other than at said longitudinal corrugations, the areas between said corrugations and said upper and lower edges being substantially flat, means for securing said flat upper edge portions to said supporting wall structure, and the lower edges of the next adjacent bands overlying the upper secured edges of said bands.

2,187,283
ELEVATOR APPARATUS
Joseph A. Scheutz, Hazel Park, Mich.
Application October 25, 1937, Serial No. 170,739
4 Claims. (Cl. 187—24)



1. In apparatus of the character described, an upright stationary post, a traveler surrounding said post and movably mounted thereon, a platform carried by and pivoted to said traveler, a vertically extending screw for raising and lowering said traveler, a shaft rotatably supported on the upper end of said post and having its axis transverse to said screw, gears operatively connecting said shaft and said screw, and manually operable means to rotate said shaft.

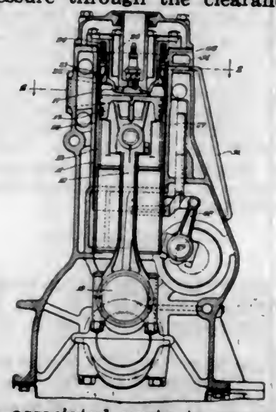
2,187,284
STACK SWITCH CONSTRUCTION
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application December 14, 1937, Serial No. 179,708
6 Claims. (Cl. 200—138)



1. In a stack switch construction, switch contacts and means for actuating said contacts comprising a rotatable rod, an element responsive to temperature for oscillating said rod in response to increase and decrease in the temperature to which said element is responsive and an operative connection between said rod and said switch contacts comprising an elongated arm having a pair of ports freely swingable on said rod, the outer end thereof being connected with said switch contacts to separate them from each other when the elongated arm swings in one direction and engage them with each other when said elongated arm swings in an opposite direction, a disk on said rod between said parts and having a radius which is substantially less than the length of said arm on said rod, the periphery of said disk being notched, a ball element carried by said arm and engaged with said notched periphery and resilient means acting at substantially right angles to the axis of said rod and opposed by said pair of parts on said rod, said resilient means causing such engagement.

2,187,285
LUBRICATION OF SLIDE-VALVE INTERNAL COMBUSTION ENGINES
Ralph L. Skinner, Detroit, Mich., assignor to Skinner Motors, Inc., Detroit, Mich., a corporation of Delaware
Application September 19, 1938, Serial No. 230,608
9 Claims. (Cl. 123—196)

1. In an internal-combustion engine, the combination of an outer cylinder, an inner cylinder inside of and spaced inwardly concentrically away from said outer cylinder, a head for and projecting into said outer cylinder, valve-means reciprocatory between said cylinders and in the space between said outer cylinder and said head, means to reciprocate said valve-means, means to lubricate said valve-means, and means to admit air into and to circulate it through said space beyond the end of said valve-means and to discharge it from said space under super-atmospheric pressure through the clearances of the



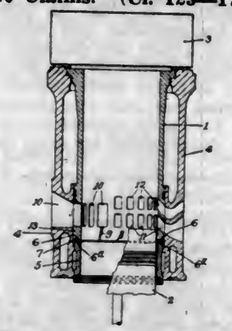
valves and associated parts to remove the accompanying excess lubricant from said space.

2,187,286
LADDER
Lambert J. Tillman, Toledo, Ohio, assignor to Unitcast Corporation, Toledo, Ohio, a corporation of Ohio
Application August 10, 1938, Serial No. 224,172
5 Claims. (Cl. 228—56)



3. A ladder rung having offset ends respectively adapted to extend through a plurality of openings formed in angularly disposed portions of the stiles of the ladder, said offset ends of the rung respectively having rearwardly extending portions terminating in lateral projections, the axes of said projections being disposed on opposite sides of a plane normal to the stiles passing through the axis of the main body portion of the rung.

2,187,287
INTERNAL COMBUSTION ENGINE CONSTRUCTION
Werner Tobler, Winterthur-Wulflingen, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application October 6, 1938, Serial No. 233,574
In Switzerland October 6, 1937
10 Claims. (Cl. 123—173)



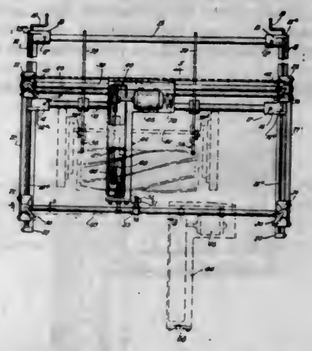
4. In combination in an internal combustion engine cylinder, a main jacket or housing, ports formed therethrough, a cylinder liner removably positioned within said jacket, corresponding ports formed in said liner, a slot cut from one of said ports, a second liner section relatively shorter than the first mentioned liner, the two liner sections so shaped that one interpenetrates with the other, the two cylinder liner sections being positioned in the jacket for relative movement with respect to each other.

2,187,288
TOBACCO PIPE
Benjamin H. Tyler, Portland, Oreg.
Application September 13, 1938, Serial No. 229,718
1 Claim. (Cl. 131—215)



A tobacco pipe comprising a bowl having vertically disposed upwardly converging straight smoke ducts of equal bore, the juncture of said ducts being connected by a cavity, a removable plug closing the cavity, one of said ducts leading to the bottom of the bowl of the pipe, and a removable stem having a smoke duct of the same bore as said upward converging ducts, the stem being secured to the bowl by means effecting a direct and close contact, between the duct of the stem and one of the upwardly converging ducts of the bowl, so as to prevent any escape and collecting of saliva within the pipe.

2,187,289
GRINDING MACHINE
Andrew B. Utterback, Kenosha, Wis.
Application November 1, 1937, Serial No. 172,077
9 Claims. (Cl. 51—48)

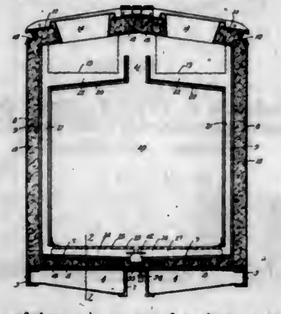


2. Sharpening apparatus of the class described comprising a pair of spaced bed members, a pair of standards on each of said members movable along the same as a unit, transverse track members supported by corresponding standards of said pairs, grinding means on said members comprising a carriage having a grinding member movable longitudinally of said track members, and mechanism for adjusting said grinding member into grinding relation with a member to be sharpened comprising means for adjusting said track members longitudinally of said bed and vertically within parallel vertical planes.

2,187,290
REFRIGERATOR CAR GUTTER ARRANGEMENT

Victor E. West, New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application June 10, 1938, Serial No. 213,089
6 Claims. (Cl. 62—17)

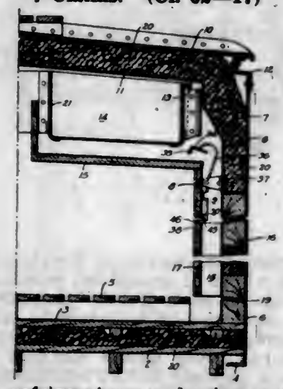


1. In a refrigerator car having spaced apart insulated walls, an insulated roof, an insulated floor, and a foraminous floor spaced above the insulated floor to provide a space therebetween, in combination with an ice container near said roof and adjacent one of said walls, an insulated partition below said container and spaced therefrom to provide a substantially horizontal passage therebetween, a vertical flue associated with one of said walls and communicating between said passage and said space and a longitudinally extending gutter substantially at the center of the car and depressed below the top surface of said insulated floor, whereby melted ice from said container flows through said passage, flue and space into said gutter to further insulate said walls and floor.

2,187,291
REFRIGERATOR CAR

Victor E. West, New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application October 21, 1938, Serial No. 236,151
7 Claims. (Cl. 62—17)



1. In a refrigerator car having spaced apart insulated walls, an insulated roof extending therebetween, a drip pan sloping downwardly toward one of said walls and spaced below said roof to provide a refrigerant compartment therebetween, a flue associated with said wall and arranged to transmit air and liquid from said compartment to the lower part of the car, a doorway through said wall and said flue and a door adapted to close the doorway in said wall, said door having associated therewith a duct which aligns with said flue when the door is closed to form a continuous passage, the combination of a member on the upper surface of said drip pan arranged to prevent flow of liquid through said doorway when the door is open, and means by which said member is spaced from said drip pan when the door is closed to permit flow of liquid through said duct.

2,187,292
CONTACT FILING DEVICE

Howard Wilson, Brooklyn, N. Y., assignor to Kastar Incorporated, New York, N. Y., a corporation

Application March 12, 1937, Serial No. 130,599
12 Claims. (Cl. 29—76)

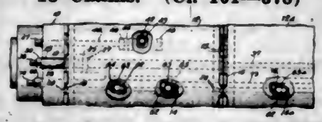


1. A device for filing contact points which are urged together, comprising in combination, a guide and a member slidable relative thereto and having an abrasive surface, said guide being constructed and arranged to confine said member to rectilinear movement with respect to said guide, said guide having a lateral aperture intermediate its ends and in the path of said member and adapted to engage one of said contact points, when both said guide and member are inserted between said points, whereby said contact point cooperates with said guide to retain said member between said points.

2,187,293
REGISTERING AND CLAMPING MECHANISM

Henry A. Wise Wood, New York, and Perry R. Long, Larchmont, N. Y., assignors to The Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application June 4, 1936, Serial No. 83,424
18 Claims. (Cl. 101—378)



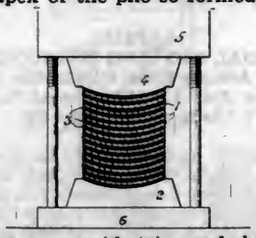
1. The combination with a printing cylinder, of means for registering and clamping a printing plate relatively to said cylinder, said plate being formed with opposed registration notches, said means comprising a pair of opposed blocks mounted on the cylinder and adapted to enter said notches to locate the position of the plate relatively to the cylinder, means for adjusting the blocks on the cylinder with respect to a predetermined normal position, and means for clamping the plate fast with respect to the cylinder in any position determined by said blocks.

2,187,294
PROCESS FOR STIFFENING PAPER

Clare G. Young, Winnipeg, Manitoba, Canada

Application January 31, 1938, Serial No. 187,981
1 Claim. (Cl. 18—56)

In the manufacture of convex Venetian blind slats, the process which consists in steeping strips of press paper previously cut into strips of the desired length and width for approximately fifteen minutes in a solution of animal glue and water mixed in the proportion of approximately one pound of glue to one gallon of water, afterwards placing one of said strips upon a cardboard slat coated with paraffin wax, said slat having previously been placed upon a die, then superimposing alternate slats and strips upon the lowermost strip to a desired height so that a slat is at the apex of the pile so formed, then exert-

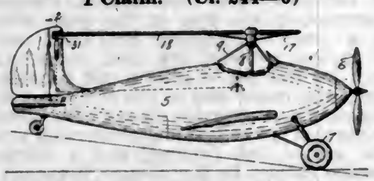


ing pressure upon said strips and slats to squeeze the same together by means of a die in bearing engagement with the topmost slat, one of said dies being concave and the other convex to impart a convex cross-sectional configuration to said strips and said slats, said strips and said slats being maintained in a state of pressure between said dies for a period of approximately eight hours during which period the said solution of animal glue and water will be forced into the cells of said strips.

2,187,295
AIRPLANE

Oscar Alvistur, San Francisco, Calif.

Application May 11, 1938, Serial No. 207,391
1 Claim. (Cl. 244—6)



In combination with an airplane having forward propelling means, of a vertical shaft mounted thereon, means for rotating said shaft, a pair of blades of unequal length rotated by said shaft about the axis thereof, means for rotating said blades about an axis at right angles to the axis of rotation of the shaft, means for locking said blades against rotation about said shaft, said means comprising a pair of pins carried by the tail of the plane and normally held out of the line of movement of said blades, means for moving said pins into alignment with the movement of said blades, whereby said pins will lie on the opposite side of the longer of said blades, and means for actuating said pins from a remote point in the cockpit of the plane.

2,187,296
DOUBLE EYELET SOCKET

Harry C. Appel, Great Kills, Staten Island, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 2, 1937, Serial No. 134,570
3 Claims. (Cl. 24—220)

1. In a snap fastener installation, a stud-receiving socket member adapted to be secured to a supporting member, said socket member being open at opposite ends for the reception of a cooperating snap fastener stud member insertable from either end, said socket member comprising a tubular stud-receiving portion adapted to extend through the supporting member and formed with a flanged base for engaging one end thereof, said tubular stud-receiving portion being formed with reduced neck portions defining

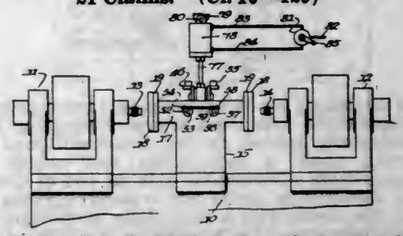


an annular recess adjacent the flanged base and at the outer free end, and a clamping member comprising a tubular element surrounding the tubular stud-receiving portion and having a flanged base for engaging the opposite face of the supporting member, the end of the tubular element of the clamping member extending into and seated in said annular recess.

2,187,297
WORK HANDLING APPARATUS FOR MACHINE TOOLS AND THE LIKE

Edward W. Baker, Lexington, Mass., assignor to Jefferson Union Company, Lexington, Mass., a corporation of Massachusetts

Application March 30, 1938, Serial No. 199,039
21 Claims. (Cl. 10—129)

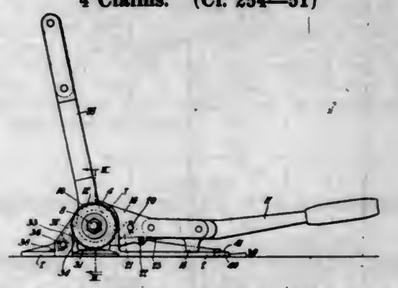


1. Apparatus of the class described comprising a pivoted work-transfer member swingable between a work-receiving position and a work-discharging position, and work holding means at the latter position comprising a fixed abutment and an annular centering means in front of the free end of said member, and means movable to remove the work from said member and press it through said centering means and against said abutment.

2,187,298
TENSIONING TOOL

Bruce N. Bletso, Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

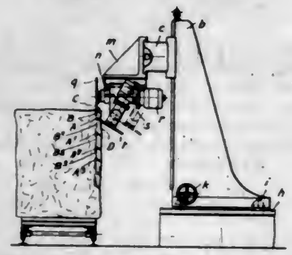
Application June 23, 1937, Serial No. 150,002
4 Claims. (Cl. 254—51)



1. A tensioning tool for a box-band or the like comprising, in combination, a base member, a

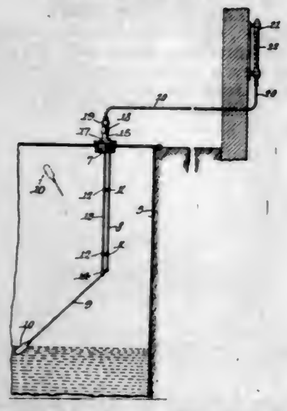
stationary pinch-block carried by said base member, a rotatable eccentric bushing carried by said base member, a rotatable shaft in said eccentric bushing, a pinch-wheel secured to said rotatable shaft, said pinch-wheel being disposed opposite said pinch-block and adapted for cooperation therewith, a manually operable lever for rotating said eccentric bushing, said lever being constructed and arranged to occupy a position at substantial right-angles to the axis of the box band when said pinch-wheel is most adjacent said pinch-block, and manually operable means for rotating said pinch-wheel.

2,187,299
DRESSING OF INDIVIDUAL BLOCKS OF STONE
Otto Wilhelm Burkhardt, Bayreuth, Germany
Application June 1, 1937, Serial No. 145,899
In Germany August 13, 1935
1 Claim. (Cl. 125—13)



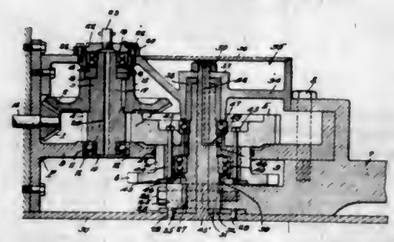
A mounting for stone dressing saws comprising a supporting slide, two lateral supporting slides horizontally guided on the first-mentioned supporting slide, a saw blade and motor unit mounted on a horizontal axis on one of the lateral supporting slides for making vertical cuts into the stone, and a saw blade and motor unit mounted on an oblique axis on the other lateral supporting slide for making oblique cuts into the stone, the saw blade and motor unit on the oblique axis being mounted in front of the other saw and motor unit in the cutting direction.

2,187,300
OIL GAUGE
James H. Caddell, Richmond, Va.
Application March 28, 1939, Serial No. 264,645
2 Claims. (Cl. 73—316)



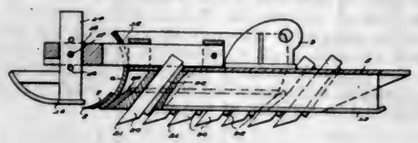
1. A liquid level gauge for tanks, comprising a fitting including a plug, a nut fitted over the plug and adapted to be threaded in an opening of the tank, a cylinder rising from the plug, a nut on the cylinder cooperating with the plug in clamping the plug to the first said nut, a gauge tube, a pipe establishing communication between the gauge tube and fitting, and means including a piston and float for controlling the liquid level in the gauge tube.

2,187,301
COAL CUTTING MACHINE
John Jerome Cline, Clarksville, Ark.
Application July 14, 1939, Serial No. 284,543
2 Claims. (Cl. 262—30)



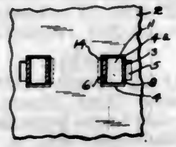
1. In a mining machine a frame including a partition provided in its upper surface with a seat, a first ball bearing removably supported in the seat, a shaft having one end received within the bearing, a pinion carried by the shaft and overhanging the bearing, cutting means driven by the pinion, a gear including a hub surrounding the shaft and engaging the upper end of the pinion, the upper end of the hub and the shaft being provided with cooperating recesses, a key connecting the hub of the gear with the shaft, a ring surrounding the shaft and located in the recesses, the ring constituting a retainer for the key, a second ball bearing surrounding the upper end of the shaft and engaging the ring, a closure detachably assembled with upper portion of the frame and exerting pressure on the second ball bearing, and a lubricating connection carried by the closure, the shaft having a longitudinal duct communicating with the lubricating connection and leading to the bottom of the seat.

2,187,302
ROCK PLOW
Charles A. Cox, Homestead, Fla.
Application April 22, 1939, Serial No. 269,493
2 Claims. (Cl. 97—4)



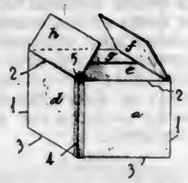
1. A rock plow comprising a horizontally arranged bed plate mounted on and in advance of a tractor, mold boards carried by said plate forwardly thereof and arranged in V-shaped formation and each including a scraper blade for action on the soil, spaced longitudinally arranged ribs formed on the under face of the bed plate and acting as runners and including slots, digging teeth located in said slots and extending a selected distance below the blades, and means for removably mounting the teeth in the slots.

2,187,303
FASTENER MEMBER AND FASTENER INSTALLATION
Albert De Vito and Frederick Liessmann, Chicago, Ill., assignors to Electrical Research Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application September 21, 1938, Serial No. 231,004
2 Claims. (Cl. 24—214)



1. A one-piece yieldable snap fastener member of the class described comprising a leg portion for securing said fastener to a part to be attached to a support and a portion joined to the lowermost end of the leg portion by a fold, said attaching portion being normally yieldable toward and away from said leg portion against the tension provided by said fold and being normally substantially parallel with at least a portion of said leg, and said attaching portion having a reduced portion at its outermost end and shoulders on opposite sides of said reduced portion for the purpose described.

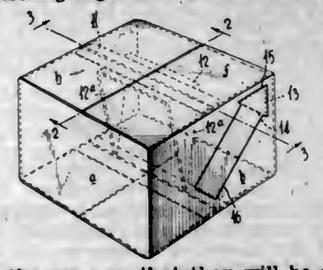
2,187,304
FOLDABLE BLANK BOX
John A. Farmer, Lancaster, Pa., assignor to A. H. Hoffman, Inc., Landisville, Pa., a corporation of Pennsylvania
Application October 23, 1937, Serial No. 170,693
10 Claims. (Cl. 229—37)



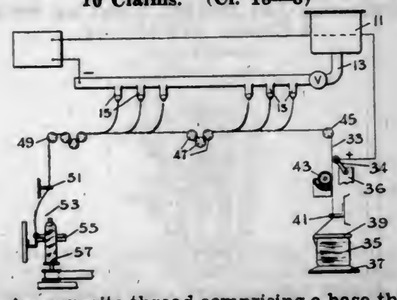
1. A blank for folded blank boxes comprising side panels and inner and outer end flaps, said blank having fold lines between the panels and between each flap and its adjacent panel, and also having slots between the flaps, the inner ends of said slots terminating short of the fold line between the flaps and panels, and said blank having a cut through the entire thickness thereof extending from the inner end of each slot substantially to the said last mentioned fold line, the inner end of said cut being spaced laterally from the adjacent fold line between panels, in a direction away from the inner flap, thus forming a corner fillet integral with the inner flap and wholly free from the outer flap.

2,187,305
METHOD OF SEALING FOLDED BLANK BOXES
John A. Farmer, Lancaster, Pa., assignor to A. H. Hoffman, Inc., Landisville, Pa., a corporation of Pennsylvania
Application June 7, 1938, Serial No. 212,357
9 Claims. (Cl. 229—45)

1. In a folded blank box having an end closed by pairs of overlapping inner and outer flaps, each pair having parallel meeting edges, the outer flaps being folded over upon and cemented to the inner flaps, means extending longitudinally of the meeting edges of said inner flaps for supporting the same so that they will be substantially prevented from sagging inwardly.



2,187,306
ARTIFICIAL THREAD AND METHOD OF PRODUCING SAME
Anton Formhals, Mainz, Germany, assignor of forty-five one-hundredths to Richard Schreiber-Gastell, Mainz, Germany
Application July 28, 1937, Serial No. 156,167
10 Claims. (Cl. 18—8)



7. A composite thread comprising a base thread and a surrounding covering of artificial fibers electrically spun onto said base thread said fibers positioned substantially longitudinally of said thread.

2,187,307
BEARING
J. Don Friend, Hawthorne, N. J.
Application August 3, 1938, Serial No. 222,939
8 Claims. (Cl. 308—108)

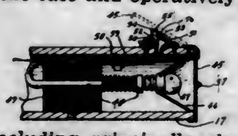


1. A bearing including an outer and an inner race, a plurality of porous metal bushings between said races, a separator between said porous metal bushings, and said outer race and separator being formed with circumferential lubricant grooves and with a plurality of radial slots formed through their bodies and in communication with said grooves.

2,187,308
ILLUMINATION MEANS FOR HANDBAGS AND THE LIKE
George R. Fuss, Philadelphia, Pa.
Application December 31, 1937, Serial No. 182,881
1 Claim. (Cl. 240—6.45)

In a device of the character described a lamp case of tubular form having a hinged closure at

one extremity, an electric lamp in the case adjacent the closure, means to energize the lamp including a switch on the side of the case having a stationary contact and a relatively movable spring-sustained contact located toward the said extremity of the case and operatively movable in



a direction including principally elements substantially tangent to an arc concentric with the hinge of the closure, a housing on the case enclosing said switch and having an aperture coincident with said element, and a projection on the closure arranged to enter said aperture when the closure is opened fully, to operate the switch.

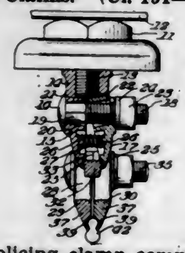
2,187,309

TROLLEY WIRE SUPPORT

Albert H. Genter, Ross Township, Allegheny County, Pa., assignor to Duquesne Mine Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 30, 1938, Serial No. 222,248

3 Claims. (Cl. 191—43)



1. A wire splicing clamp comprising a pair of complementary elongated jaw members, means defining a longitudinal groove extending the full length on the inner face of each jaw member adjacent one edge thereof for receiving the abutting ends of the wire to be spliced when said jaw members are held in assembled relation, a set of thread-like teeth in each groove adjacent each end thereof for gripping the wire ends, the sets of teeth in each groove being upwardly inclined in opposite directions toward their respective groove ends, and means for drawing said jaw members together to clamp the wire ends within said grooves.

2,187,310

SECTION SWITCH

Albert H. Genter, Ross Township, Allegheny County, Pa., assignor to Duquesne Mine Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 22, 1938, Serial No. 241,795

3 Claims. (Cl. 191—39)



1. In a trolley conductor-support the combination of two partible clamping members, each part having a longitudinal groove adjacent the lower edge thereof which grooves coact to hold the upper portion of adjacent conductor-sections, an insulating support for holding said clamping members in spaced relation with the conductors in axial alignment, and a third partible clamp carried on the insulating support intermediate of the two clamping members and arranged to support a short conductor-section of similar character in axial alignment with the other conductor-sections, the ends of the intermediate section being in spaced relation to the ends of the adjacent sections.

2,187,311

TROLLEY WIRE SUPPORT

Albert H. Genter, Ross Township, Allegheny County, Pa., assignor to Duquesne Mine Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 22, 1938, Serial No. 241,796

4 Claims. (Cl. 191—38)



1. In a trolley wire structure, the combination of a casting, means integral with the casting for securing the latter to a support, integral jaw members on the ends of the casting, a groove in the lateral face of said jaw members adjacent the lower edge thereof, clamping jaw members complementary to the jaw members of the casting and having corresponding grooves coacting to receive the upper portion of adjacent end portions of trolley wires, teeth in said grooves, the corresponding jaw members contacting at their upper ends to provide a fulcrum and registering holes in the jaw members below the fulcrums to receive clamping bolts, opposed upwardly open slots on the inner faces of the corresponding jaw members, an inclined seat connecting each slot with its corresponding groove, and wedges introduced through said slots and driven against the corresponding seats of each jaw member into the coacting grooves to force the wires into engagement with the teeth.

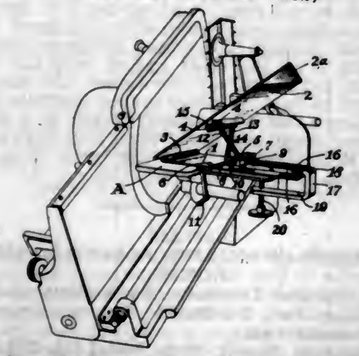
2,187,312

MEAT TABLE

Clyde Goodlake, Wenatchee, Wash.

Application August 9, 1938, Serial No. 223,928

2 Claims. (Cl. 146—102)



1. An attachment for slicing machines comprising a base, a table pivoted at one end to said base and angularly adjustable with respect thereto, a bearing secured to said base and a screw journalled therein, said screw being threaded in opposite directions from the bearing outwardly, a nut carried by said screw on each side of said bearing, an arm pivoted to each nut, and supporting said table, the arms being crossed and pivoted at their point of intersection.

2,187,313

BEARING PILE CONSTRUCTION

Gerald G. Greulich, Mount Lebanon, Pa.

Application September 27, 1937, Serial No. 165,969

2 Claims. (Cl. 61—56)



1. A steel bearing pile of H-shaped cross-section including flanges and a web having openings formed therein and a tapered concrete enlargement on said bearing pile, said tapered concrete enlargement having reenforcing means interconnected with the web of said bearing pile, said reenforcing means extending vertically and at right angles to the axis of said bearing pile, said reenforcing means at right angles to the axis of said bearing pile being substantially U-shaped and extending alternately from each side of said web and through said openings and provided with downwardly directed portions for interlocking said web with said vertical reenforcing means.

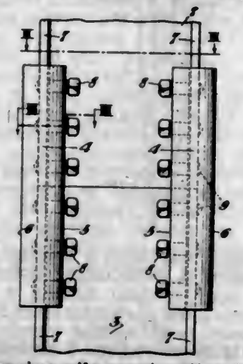
2,187,314

BEARING PILE SPLICE CLAMP

Gerald G. Greulich, Mount Lebanon, Pa.

Application September 28, 1938, Serial No. 232,205

2 Claims. (Cl. 61—53)



1. In a bearing pile construction including two or more H or I-shaped beam members, splice clamps positioned on the ends of the adjoining beam members for securing said beam members in alignment so that driving of the bearing pile can proceed with a minimum of delay, said clamps each comprising a main body portion having spaced flanges extending in the same direction to provide a channelway or groove of a width sufficient to accommodate the flanges of said H or I-shaped beam members, one of said flanges provided with vertically aligned spaced apertures, depressions formed on the other flange in alignment with said spaced apertures and a threaded bolt extending through said apertures and contacting the flanges of said beam members so that tightening up of the threaded bolt will force the metal of the flanges of said beam members slightly into said depressions whereby the grip of the splice clamp and the threaded bolts on the piling sections being joined is made secure.

2,187,315

BEARING PILE CONSTRUCTION

Gerald G. Greulich, Mount Lebanon, Pa.

Application November 23, 1938, Serial No. 242,084

2 Claims. (Cl. 61—53)



1. In a steel bearing pile having an H or I-shaped cross section, lagging members secured to the outer faces of each flange of said bearing pile over that portion of the pile which is in firm load carrying soil, the outer faces of said lagging members tapering gradually downwardly from the upper edge toward the bottom edge to form in combination with the pile an area on said pile having a tapered enlargement and means for securing said lagging members to said bearing pile.

2,187,316

BEARING PILE CONSTRUCTION

Gerald G. Greulich, Mount Lebanon, Pa.

Application November 23, 1938, Serial No. 242,085

1 Claim. (Cl. 61—53)



A steel bearing pile having an H or I-shaped

cross section, spaced openings formed in the web of said bearing pile throughout that portion of the pile which is in firm load carrying soil, a tapered concrete enlargement formed on said portion, said enlargement tapering gradually from its top to its bottom to provide a greater cross sectional area at the top than at its bottom portion with the enlargement extending outwardly beyond the outer faces of the flanges of said bearing pile and completely surrounding the same to form a substantially equal load distribution around said bearing pile, metallic reenforcing members embedded within the tapered concrete enlargement at spaced intervals from each other, and spaced from and surrounding said H or I-shaped member, and cross members extending through said openings formed in the web and connected to said first mentioned reenforcing members.

2,187,317
BEARING PILE CONSTRUCTION
Gerald G. Greulich, Mount Lebanon, Pa.
Application November 23, 1938, Serial No. 242,087
1 Claim. (Cl. 61—53)



A steel bearing pile comprising a beam member of H or I-shaped cross section having a driving end and a penetrating end, oppositely disposed lagging members positioned between the inner surfaces of the flanges and abutting each side of the web of said beam member, said lagging members each having a straight surface abutting the web of said beam member and an outer surface tapering downwardly from its top to its bottom to provide a tapered enlargement on said bearing pile only over that portion of said bearing pile which is in firm load carrying soil, spaced openings formed in the web of said beam member, means for securing said oppositely disposed lagging members together on said beam member, means for protecting the ends of said lagging member adjacent the penetrating end of said bearing pile and means positioned on the top edges of said lagging member to protect said lagging members, said means including plates on each side of the web of said beam member and extending outwardly beyond the edges of the flanges, said plates welded to the web and inner flanges of said beam member and plates supported by the outwardly extending portions of said first mentioned plates in parallel alignment with the outer edges of said flanges, said last mentioned plates welded to said first mentioned plates and to the outer surfaces of said flanges of said beam member.

2,187,318
CONCRETE BEARING PILE
Gerald G. Greulich, Mount Lebanon, Pa.
Application November 23, 1938, Serial No. 242,088
1 Claim. (Cl. 61—56)



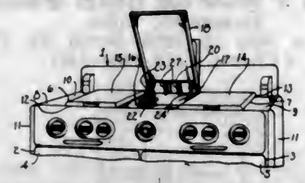
A bearing pile comprising a unitary reenforced concrete member of uniform thickness throughout its length comprising an upper straight portion of uniform cross-section, a penetrating end, an intermediate enlargement tapering downwardly from said upper straight portion so that the cross-sectional area thereof decreases in size to a point adjacent said penetrating end and a straight portion between said penetrating end and said intermediate enlargement of a cross-sectional area substantially equal to that of said upper straight portion, said unitary bearing pile having two parallel straight sides and vertical and transverse reenforcing members embedded within said tapered enlargement.

2,187,319
BEARING PILE CONSTRUCTION
Gerald G. Greulich, Mount Lebanon, Pa.
Application November 23, 1938, Serial No. 242,089
1 Claim. (Cl. 61—53)



A bearing pile comprising a tapered main body portion including a penetrating point, said tapered main body portion having a cross-sectional area decreasing gradually from its top to its penetrating point, and lagging members secured to said main body to provide a tapered enlargement extending only over that portion of said bearing pile which is in firm load-carrying soil, said lagging members comprising timber piles, each provided with an outer tapered surface with the greatest cross-sectional area of each lagging member being at its top and the taper being gradually downward to a point adjacent the penetrating end of said main body member, thereby increasing the angle of taper of the bearing pile and providing for greater load carrying capacity thereof.

2,187,320
STOVE OR RANGE
Carl H. Hoffstetter and Robert F. Hoffstetter, Erie, Pa.
Application October 19, 1938, Serial No. 235,902
5 Claims. (Cl. 126—214)



2. A range having a utensil compartment beneath the range top and accessible through said top, a hinged cover for said top movable from a closed horizontal position to a substantially vertical open position, means hingedly mounted in said utensil compartment for movement out of said utensil compartment independently of the movement of the cover and into engagement with said cover for sustaining said cover in open position.

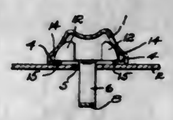
2,187,321
SNAP FASTENER MEMBER
Russell W. Johnson, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application November 17, 1938, Serial No. 241,005
1 Claim. (Cl. 24—73)



A snap fastener member having a U-shaped attaching portion comprising an upper arm for engaging an upper surface of a support, a lower arm in spaced substantially parallel relation to said upper arm for engaging a lower surface of said support through an opening of said support, a bight connecting said arms at their ends, snap-acting stud means at the end of said upper arm opposed to said bight and extending in angular relation to said upper arm, and the side edges of said upper arm diverging from adjacent said stud means directly away therefrom and laterally beyond the side edges of said lower arm and then converging to said bight thereby to provide overlapping portions to limit tipping movement of said upper arm into said opening of said support when said upper arm is in certain positions relative to the opening and pressure is applied to said snap-acting stud means in a direction toward said upper arm.

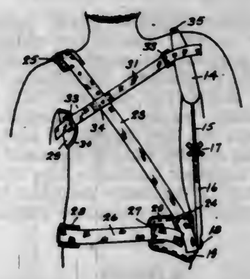
2,187,322
DOUBLE FASTENER MEMBER
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 15, 1938, Serial No. 185,163
3 Claims. (Cl. 24—73)

1. A double snap fastener member for securing moldings and the like to a supporting panel, said fastener member having a base and a pair of yieldable leg portions extending beneath said base, said legs having shoulder means for snap fastener engagement with said supporting panel through an aperture thereof, a pair of attaching portions at each of the opposite ends of said base, said attaching portions of each pair being yieldable toward and away from each other and



having shoulders facing substantially in the direction of said leg portions for snap fastener engagement with said molding through an opening thereof, and means for spacing said shoulders from said supporting panel when said fastener member is secured thereto whereby said fastener member may be secured first to said panel and said molding thereafter snapped into engagement with said fastener member.

2,187,323
CRUTCH SPLINT
Walter Kelton and Julius W. Fischer, Seattle, Wash.; said Fischer assignor to said Kelton
Application March 9, 1936, Serial No. 67,777
4 Claims. (Cl. 128—87)

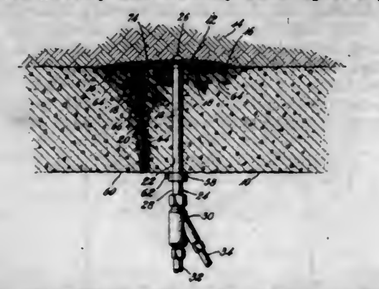


1. A crutch splint embodying, a pelvic support; a vertically adjustable rod supporting means mounted on said support and extending upwardly therefrom; a crutch member carried on the upper end portion of said rod supporting means, said crutch member being rotatably movable with respect to the axis of the rod supporting means; anchor means adapted to interfit with the body portion of a patient directly below the axilla opposite to the crutch member and said anchor means being adapted to be held substantially immovable with respect to the side of a patient opposite the crutch member; and crutch member positioning means comprising adjustable anterior and posterior connecting means joining the said anchor means to said crutch member.

2,187,324
METHOD OF AND MEANS FOR REPAIRING MASONRY STRUCTURES
Benjamin J. Many, Chicago, Ill.
Application September 15, 1937, Serial No. 164,074
6 Claims. (Cl. 72—107)

2. The method of treating masonry structures having an outer face and an inner face, which consists in boring a hole through the structure inwardly of its outer face, inserting a material

conveyer through the hole and deflecting the material directly and forcibly back upon a pre-



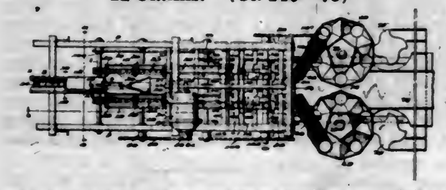
determined area of said inner face circumjacent said hole.

2,187,325
CLOTHESLINE HOOK
Fremont H. McLain, Wellsville, Ohio
Application November 30, 1938, Serial No. 243,254
3 Claims. (Cl. 24—131)



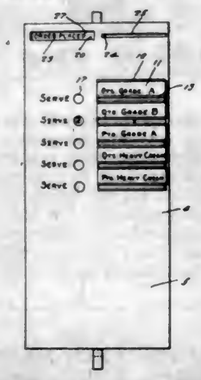
1. A clothesline support hook comprising a base member having means for attachment to a supporting surface, an arm integrally formed therewith and projecting therefrom, said arm having right angularly disposed bill members, said arm further having an extension, a loop member carried by the extension and said loop member having a downwardly disposed bill member, said loop member having a free end disposed in the direction of the base member but spaced therefrom, defining an entrance passage-way.

2,187,326
FRUIT CUTTING MACHINE
James S. Nicoll and Alfred O. Giles, Kahului, Takeshi Maruoka, Wailuku, Bernard J. Butler, Paia, and Charles M. Countryman, Kahului, Territory of Hawaii, assignors to Maui Pineapple Company, Ltd., Paia, Territory of Hawaii, a corporation of the Territory of Hawaii
Application July 28, 1937, Serial No. 156,210
11 Claims. (Cl. 146—78)



1. A machine for cutting fruit comprising a conveyer device for advancing the fruit to be cut, said device including a trough having a recess in the lower portion thereof and an endless chain disposed within the recess having pusher arms projecting upwardly into the trough for propelling the fruit therein, a knife projecting into the trough for dividing the fruit into two parts, substantially parallel conveyer devices disposed on opposite sides of said knife, means rigid with the knife for separating said parts of the fruit and respectively delivering them to said parallel conveyer devices, means associated with each parallel conveyer device for cutting the part of the fruit advanced thereby into a plurality of finger-like segments, and means also associated with each of the parallel conveyers for slicing said finger-like segments transversely.

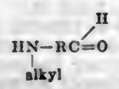
2,187,327
ORDER INDICATOR
George A. Novak and George Williams, Greenwich, Conn.
Application May 18, 1938, Serial No. 208,675
3 Claims. (Cl. 116—135)



1. In a device of the class described, a plate-like member having a window opening therein, a channel-shaped guide housing on the rear face of said member and having its web offset rearwardly with respect to the rear face of the plate-like member, said housing having a portion extending across the window opening, a substantially flat elongated panel slidably arranged in the housing and having indicia thereon for appearance through the window opening, the upper edge of said panel having spaced notches therein and said housing having an opening in its top part, a locking bar slidably arranged on the back of the plate-like member and in rear of the housing and a lug on the bar extending through the opening in the top of the housing and engaging a notch in the panel when the locking bar is in lowered position for holding the panel against sliding movement until the locking bar is raised.

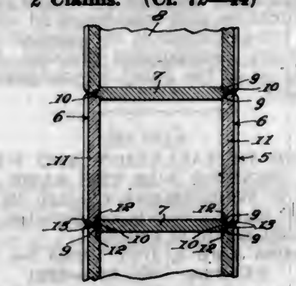
2,187,328
PARA-SECONDARY ALKYLAMINOBENZALDEHYDES AND PROCESS OF MAKING THEM
Wolfgang Richter, Halle-on-the-Saale, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 18, 1939, Serial No. 257,143. In Germany February 21, 1938
8 Claims. (Cl. 260—577)

5. The compounds corresponding to the general formula



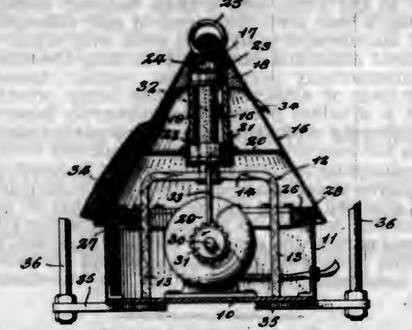
wherein R means a radicle of the benzene series and wherein the alkyl group contains at least two side chains.

2,187,329
BUILDING TILE CONSTRUCTION
Edward A. Roney and John E. Mangine, Oakland, Calif.
Application October 15, 1936, Serial No. 105,792
2 Claims. (Cl. 72—44)



1. Hollow tile construction of the class described embodying a cellular metallic frame having opposite sides thereof provided with projecting tongue sections and transparent recessed lenses capable of fitting over the tongue sections, and said lenses being cementitiously secured in place to provide flush outer and inner wall sections.

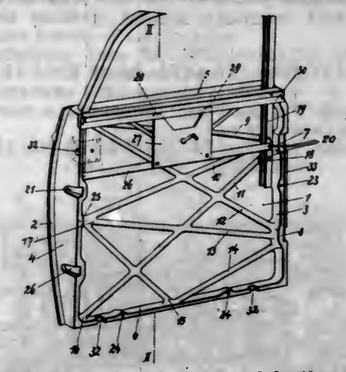
2,187,330
CHIP PACKER AND SPREADER FOR PULP MILLS
Claus K. A. Rudd, Everett, Wash.
Application March 30, 1938, Serial No. 198,954
2 Claims. (Cl. 214—17)



1. A chip distributer for pulp digesters comprising a base member, having means for suspension within the entrance opening of a digester, a casing on the base member, an electric motor on the base and housed by the casing, a yoke on the base having an upright shaft, a sleeve revolubly mounted on the shaft, a cone member fixed to the sleeve, said cone member having a ring gear upon its interior, a gear fixed to the drive shaft of the motor in mesh with the ring gear, the ring gear having an annular groove for reception of the upper edge of the casing, and said cone having helicoidal vanes upon its exterior surface.

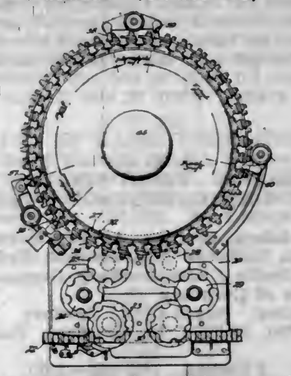
2,187,331
DOOR
Reinhold Erhard Conrad Schulz, Berlin-Spandau, and Hans Rolf Berndt, Chemnitz, Germany, assignors to Auto Union Aktiengesellschaft, Chemnitz, Germany
Application March 17, 1937, Serial No. 131,492
In Germany March 18, 1936
9 Claims. (Cl. 296—44)

1. A door, more particularly for an automobile, with thin walls and with edge parts, said door consisting of a pressing of artificial resin material containing fibrous material in the form of superimposed sheets with reinforcements consisting of strips of the same material at points



subjected to greater stresses and further like reinforcements distributing said stresses over the area of the door, which reinforcements are homogeneously joined to the material of the door during the pressing and curing operation.

2,187,332
FILLING MACHINE AND METHOD OF FILLING CONTAINERS
Lawrence P. Sinz, Los Angeles, Calif., assignor to Crown Cork & Seal Company, Inc., a corporation of New York
Application November 24, 1937, Serial No. 176,328
7 Claims. (Cl. 226—98)



1. The combination in a filling machine having a rotary filling table, a reservoir for liquid and gas, a plurality of filling heads and means to support containers in alignment with the filling heads, the filling heads including valve means to control the flow of liquid and gas from the reservoir to the containers, of means spaced about the path of travel of the filling table to contact with and actuate each of said valve means seriatim to a plurality of positions to establish the same pressure in the container as exists in the reservoir so that liquid may flow to the container by gravity flow, to release the pressure from the container and to then permit both the gas and liquid to flow together to the container.

3. The method of filling containers with liquid from a reservoir having a body of liquid therein under fluid pressure, comprising establishing the

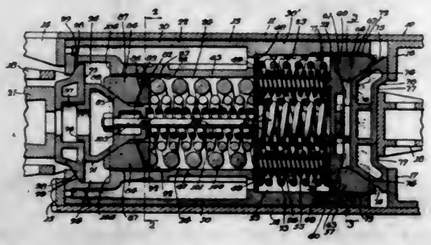
same pressure in the container as is present above the liquid in the reservoir, flowing liquid into the container, releasing the pressure in the container, and then simultaneously flowing liquid and gas into the container.

2,187,333

SELECTIVE TRAVEL DRAFT GEAR

Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware

Application January 14, 1937, Serial No. 120,565
10 Claims. (Cl. 213—32)



1. In a draft gear, a casing having at each end theroef a plurality of angularly arranged friction surfaces arranged in pairs, a friction shoe for each pair of surfaces, each shoe having angularly arranged friction faces for engaging a pair of said surfaces, each of said shoes having an inner friction face and an outer friction face, an inner and an outer wedge member engaging the inner and outer friction faces, respectively, of said shoes, two sets of springs for restoring the shoes and wedge members to normal position after release, all of said springs being compressed from their forward ends upon buff, and means including a partition between said sets of springs, movable within said casing and engaging shoulders therein for limiting the compression of said gear to a greater extent in one direction than in another.

2,187,334

CONDENSATION PRODUCTS OF HIGHER FATTY ACID COMPOUNDS WITH BORIC ACID

Kurt Stickdorn, Rosslau, Anhalt, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany

No Drawing. Application January 15, 1936, Serial No. 59,225. In Germany January 16, 1935
3 Claims. (Cl. 260—398)

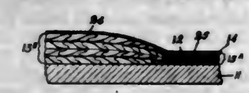
1. The hard-wax-like product of the condensation of hardened castor oil, boric acid and acetic acid anhydride.

2,187,335

COMPOSITE BOARD

Henry D. Wagner, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application May 6, 1937, Serial No. 141,107
2 Claims. (Cl. 154—45)



1. An insulating panel comprising in combination a stiff fiber board back, an intermediate pad of successive interadhered flat and corrugated layers of paper on the order of .0025" to .004" in approximate thickness, and a face of prefinished tough flexible paper, said panel being compressed throughout major areas to about half its uncompressed thickness, and compressed on minor areas to about the thickness of the component solids, and adhesive incorporated through the compressed areas of the panel for maintaining said compression.

2,187,336

FASTENER INSTALLATION AND FASTENER MEMBER FOR THE SAME

Theodore W. Wallschlaeger, Chicago, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application April 8, 1937, Serial No. 135,700
2 Claims. (Cl. 248—223)



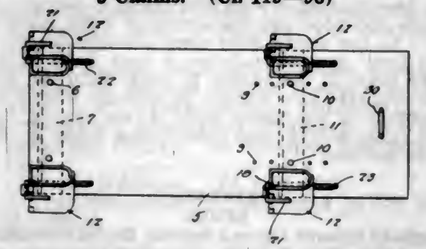
1. A fastener installation of the class described comprising a supporting part, a cup-shaped part adapted to be secured to said support and having a back portion and side and end flanges connected thereto, at least two of said flanges being formed with an inwardly extending apertured shelf portion providing recesses in the outer wall adjacent the back portion communicating with the interior of the cup-shaped part by an aperture in the shelf, and a snap fastener member having a base portion secured to said supporting part and formed at opposite ends with a pair of resilient attaching portions extending therefrom in substantially perpendicular relation thereto, each pair of attaching portions being provided with a shoulder portion and outwardly tapering end whereby when the cup-shaped part is placed upon the support, the outwardly tapering ends of the attaching portion may be passed through the apertures of said shelf portion and the shelf portion snapped under the shoulder portion of said attaching portions to replaceably hold the cup-shaped part to the support with the base and attaching portion of the fastener, except the tapering head ends, confined within the cup-shaped part.

2,187,337

SHEARING CLAMP

Harold Wang, Saco, Mont.

Application August 29, 1938, Serial No. 227,399
3 Claims. (Cl. 119—98)



1. A sheep holder comprising a platform, and a plurality of sheep leg-receiving clamps on the platform each including a stationary and a movable plate member, and straps members extending under the platform and attached to the stationary members of the said clamp structures.

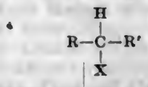
2,187,338

SECONDARY ALKYL MONOSULPHONATES

James Herbert Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 8, 1938, Serial No. 212,511
5 Claims. (Cl. 260—513)

1. Secondary alkyl monosulphonates containing 17 carbon atoms having the general formula



in which R and R' are saturated aliphatic hydrocarbon radicals and X represents a sulphonate group selected from the class consisting of sulphonic acid and sulphonate salt groups.

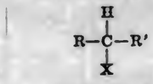
2,187,339

SECONDARY ALKYL MONOSULPHONATES

James Herbert Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 8, 1938, Serial No. 212,512
4 Claims. (Cl. 260—513)

1. Secondary alkyl monosulphonates containing 19 carbon atoms having the general formula



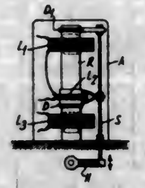
in which R and R' are saturated aliphatic hydrocarbon radicals and X represents a sulphonate group selected from the class consisting of sulphonic acid and sulphonate salt groups.

2,187,340

MEANS ADAPTED TO REGULATE THE BAND WIDTH

Karl Wilhelm and Ernst Kettel, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 27, 1938, Serial No. 221,504
In Germany July 24, 1937
5 Claims. (Cl. 178—44)



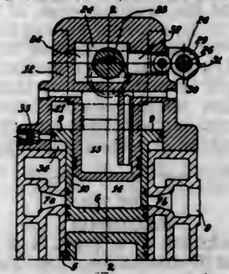
1. The combination with a pair of tuned circuits having main reactances coaxially disposed in fixed spaced relation, of means for varying the coefficient of coupling between said reactances, said means comprising an adjustable auxiliary inductance coaxially arranged between the main reactances, said auxiliary inductance being mounted on a support and disposed closer to one of the reactances than to the other and being serially connected to said other reactance, a short-circuited winding mounted on said support for the auxiliary winding, and means for adjusting the axial position of the auxiliary inductance and the short-circuited winding.

2,187,341

PNEUMATIC DISTRIBUTION FOR TWO-STROKE INTERNAL COMBUSTION ENGINES

Victor Breslav, Brussels, Belgium, assignor to Interna Holding, Société Anonyme, Luxemburg, Grand Duchy of Luxemburg

Application June 15, 1937, Serial No. 148,289
In Belgium July 24, 1936
9 Claims. (Cl. 123—66)



1. In a two-stroke internal combustion engine, in combination with a cylinder formed with exhaust ports in the cylinder, a head for the said cylinder, and a sealing piston slidable in the inner end of the latter for controlling the said ports, fluid-pressure means acting directly on the piston to cause controlled movement of the piston in opposite directions, the said piston being moved under the action of burned gases to uncover the said ports, means for storing up the energy applied by the said burned gases to the said piston when the latter is displaced to uncover the said ports and means for causing the stored energy to displace the piston in the opposite direction to cover the said ports, means cooperating with the said cylinder head for locking the said piston automatically during the respective periods for which the said ports are kept open or closed, and means for periodically unlocking the said piston.

2,187,342

EXHAUST OF GASES FROM ENGINES

Henri Coanda, Clichy, France

Original application July 17, 1936, Serial No. 91,062. Divided and this application July 14, 1937, Serial No. 153,500. In France July 17, 1935
8 Claims. (Cl. 60—32)



1. An exhaust device for a fluid flowing at high velocity and under pressure into a medium at lower pressure, which comprises, in combination, a vessel opening into said medium, at least one

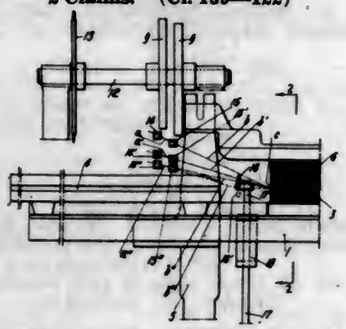
flat tube opening into said vessel, and a slotted structure carried by said vessel opposite the outlet of said tube into said vessel, said structure consisting of a plurality of wing-like elements arranged adjacent and parallel to one another with their leading edges turned toward the direction from which the fluid is flowing, these elements being positioned close to one another, so as to leave slot-like passages between them, and in stepped relation, so that the upper side of each extends beyond the trailing edge of the element located above it and forms an outwardly curved prolonged lip to the slot existing between these two last mentioned wing-like elements, whereby the flow of fluid through each of these slots produces a suction acting on the stream flowing through the next slot above it and facilitates the flow of fluid along the back part of said slotted structure.

2,187,343
PADDING
Joseph R. Crockford, New York, N. Y., assignor to Metallic Pad Corporation, New York, N. Y., a corporation of New York
Application May 19, 1938, Serial No. 208,793
15 Claims. (Cl. 154—54)



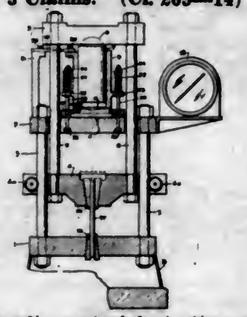
1. A padding comprising, a layer of braided strands, each composed of metallic wool fibres, means for holding said braided strands in sheet-like formation, said layer being enclosed in a wrapping of metallic wool fibres, said wrapping and the layer enclosed by it being enclosed in an outer wrapping of metallic wool fibres, the last-mentioned wrapping having its fibres disposed at substantially right angles to the fibres of the first-mentioned wrapping.

2,187,344
WEFT INSERTING DEVICE FOR WEAVING LOOMS HAVING A CONTINUOUS WEFT SUPPLY
Raymond Dewas, Amiens, France
Application October 12, 1938, Serial No. 234,547
In France October 30, 1937
2 Claims. (Cl. 139—122)



1. A device for inserting different wefts in weaving looms which have weft inserting members without a cop, in which the presenting members for the selection of the threads have the feature of being located above the plane of the cloth, at the same time as at some distance outside the selvedge and beyond the point where the weft inserting member comes into contact with the weft to be caught, and also in a plane which approximately corresponds to that in which the slay passes toward the end of its rearward travel, said presenting members,—preferably eyelets—co-operating with a positioning member, constituting a hooked finger which is dependent on the slay and which hooks the portion of the selected thread between the point where the weft inserting member comes into contact with the weft to be caught and the eyelet, from the beginning of the rearward travel of the slay, after beating up the weft, and releases said thread towards the end of its forward travel, prior to the beating up of the following weft which has just been supplied by said thread.

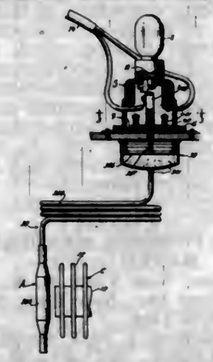
2,187,345
MATERIALS TESTING MACHINE
Richard W. Dinzl, Narberth, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application September 13, 1935, Serial No. 40,468
3 Claims. (Cl. 265—14)



1. A hydraulic materials testing machine for tension and compression testing comprising, in combination; a stationary rectangular frame having a pair of stationary cross members connected together; a movable rectangular frame having a pair of cross members connected together and one of which is disposed intermediate of said stationary cross members and the other of which is disposed outside thereof; hydraulic ram and cylinder elements disposed between, and respectively operatively connected to said outside movable cross member and the stationary member adjacent thereto; a hydraulic weighing support interposed between one end of one of said elements and the cross member adjacent thereto; means providing compression specimen supporting surfaces on said adjacent stationary member and on said intermediate cross member whereby the hydraulic support is subjected to compression during compression testing; means for supporting a tension specimen between said intermediate cross member and the other of said stationary cross members whereby the hydraulic support is also subjected to compression during tension testing; initial load springs operatively connected to said element and cross member between which the hydraulic support is interposed; and means for preventing lateral displacement of the hydraulic support.

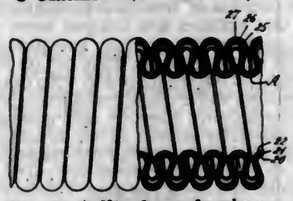
2,187,346
TEMPERATURE WARNING SIGNAL
Jack Grace, Brooklyn, N. Y.
Application December 7, 1938, Serial No. 244,413
3 Claims. (Cl. 200—83)

1. In combination with a thermostatic switch member having a base at one end and a contact at the other end, a gas chamber having a flexible end wall capable of distending to compensate for the change in volume of the gas in said chamber under varying conditions, an arm having one end permanently fastened to said flexible end wall and the other end removably engageable with said switch member base, whereby distension of said end wall under a rise of temperature of said



gas actuates said switch member in one direction and in alignment with said arm, said switch member being mounted for lateral non-pivotal movement, yielding means resisting said movement, and means for varying the compression of said yielding means to vary the temperatures under which said switch will close under actuation of said end wall, a stop rest for said switch member to limit said resistance independent of said arm and end wall.

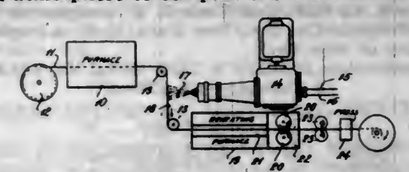
2,187,347
FLEXIBLE METALLIC HOSE
Stephen Guarnaschelli, Elmhurst, N. Y., assignor to Packless Metal Products Corporation, New York, N. Y., a corporation of Delaware
Application January 4, 1938, Serial No. 183,295
3 Claims. (Cl. 138—50)



1. A flexible metallic hose having a multiple thickness corrugated wall comprising a plurality of continuous metallic corrugated tubes disposed one within the other, the inner loops of said corrugations in said tubes being in contact and the outer loops being spaced one within the other, the contacting walls of said tubes between the loops being free to slide on each other.

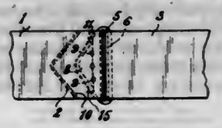
2,187,348
FORMING COMPOSITE METAL BEARINGS
Frank Hodson, New York, N. Y.
Application March 17, 1936, Serial No. 69,271
Renewed June 2, 1939
4 Claims. (Cl. 29—149.5)

1. The method of making a bearing, which comprises depositing a finely-divided spray of initially solid material in thermoplastic state on a base, heating the solidified material and the base in a non-oxidizing atmosphere applying pressure to the material-coated base while in said atmosphere to compact the material on the



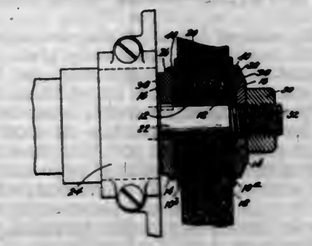
base, and forming the material-coated base into a bearing.

2,187,349
NECKBAND LOOP
William A. Keys, New York, N. Y.
Application August 20, 1938, Serial No. 225,879
1 Claim. (Cl. 24—50)



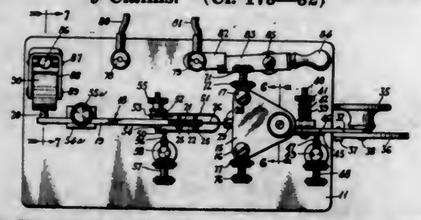
In a necktie construction, a necktie band portion having two ends, a loop member connecting said ends, said loop member comprising a plate formed with an elongated slot through which two ends of the neckband pass, said plate being formed of a continuous single piece of sheet metal and having a wide, flat tab portion provided with inclined edges disposed at one side of the slot, all portions of the plate being in the same plane, and stitching in that end of the neckband which overlies the tab portion of the plate, said stitching being so disposed in relation to the tab portion of the plate to thereby hold said tab portion so that movement of the loop or tab portion thereof transversely of the neckband is prevented.

2,187,350
RESILIENT MOUNTING FOR ABRASIVE WHEELS
Paul L. Kuzmick, Clifton, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application April 29, 1939, Serial No. 270,771
5 Claims. (Cl. 51—168)



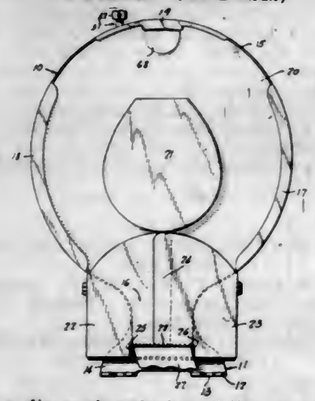
1. A resilient mounting for abrasive wheels comprising a resilient member having the following parts: a bushing part loosely insertible into the mounting hole of the abrasive wheel and loosely receivable by the grinder spindle, a disc part radiating from the bushing part and arranged to be clamped between the side face of the wheel and the grinder clamping flange, and a compression part extending outwardly from the bushing part adapted to be contacted and compressed by the grinder flange for radially expanding the bushing part into tight engagement with the wheel hole and the grinder spindle.

2,187,351
TELEGRAPH SENDING MACHINE
John A. La Hiff, New York, N. Y., assignor to The Vibroplex Co., Inc., New York, N. Y., a corporation of New York
Application January 9, 1939, Serial No. 249,843
9 Claims. (Cl. 178—82)



1. In an operating lever for telegraphic semi-automatic sending machines, a resilient portion, a non-resilient portion having one end connected with an end of said resilient portion and means for varying the relative positions of said resilient and non-resilient portions to vary the amplitude of vibrations of a portion of said operating lever.

2,187,352
TOILET SEAT COVER DISPENSER
William George Lemmon and Allen Stowers, New York, N. Y.
Application March 23, 1938, Serial No. 197,746
14 Claims. (Cl. 4—242)



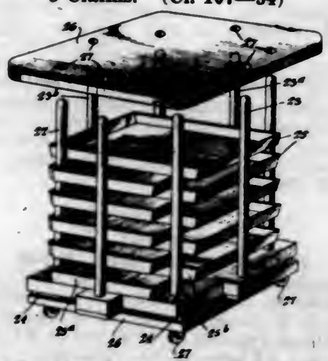
1. In a dispensing device of the character described which includes a main body plate, and a pair of protective plates hingedly carried by the main body plate, mechanism for causing pivotal movement of said protective plates comprising an actuating bar movably mounted on said main body plate, a pair of levers pivotally mounted, a toggle arrangement connecting said actuating bar to said levers, and links connecting each of said levers to one of said plates whereby movement of the actuating bar causes swinging movement of the plates.

2,187,353
LUBRICATION
Arthur Walther Lewis, Elizabeth, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application December 16, 1936, Serial No. 116,115
21 Claims. (Cl. 87—9)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil of a character normally tending to corrode said bearing surfaces and having incorporated therein a tolylene diamine in proportion effective to inhibit corrosion of said bearing surfaces during the lubrication thereof.

13. Mineral oil composition free of added material having the instability inducing effect of added rubber, and consisting of a hydrocarbon lubricating oil of motor oil character normally tending to corrode bearing metal having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys when continuously applied to the surface thereof for an extended period of time at an oil temperature of 335° F., and a tolylene diamine incorporated with said oil in corrosion inhibiting proportions.

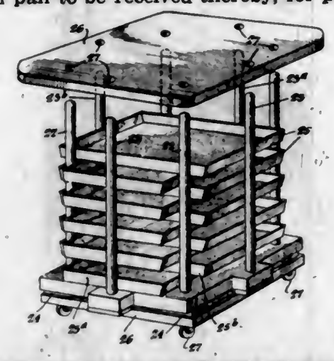
2,187,354
PROCEDURE FOR THE MANUFACTURE OF BAKED GOODS
John MacManus, New York, N. Y., assignor to Cushman's Sons Inc., New York, N. Y., a corporation of New York
Application February 4, 1937, Serial No. 124,070
5 Claims. (Cl. 107—54)



1. In a process of manufacturing baked articles wherein the articles are shaped from dough and disposed in pans for baking, establishing a compact stack of filled pans directly on top of each other and alternately disposed with corresponding dimensions in different directions, and handling the pans by moving them in said compact stacked relation, whereby access of air is afforded to the interior of the pans during the handling thereof.

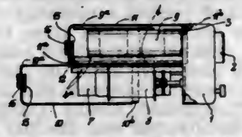
2,187,355
APPARATUS FOR THE MANUFACTURE OF BAKED GOODS
John MacManus, New York, N. Y., assignor to Cushman's Sons Inc., New York, N. Y., a corporation of New York
Original application February 4, 1937, Serial No. 124,070. Divided and this application November 5, 1937, Serial No. 172,934
7 Claims. (Cl. 211—49)

1. Apparatus for supporting a plurality of baking pans in cross-stacked relation and for guiding each pan into the desired position in the crossed stack upon insertion of said pan in a substantially horizontal position, comprising in combination, a base member adapted to support the pans in cross-stacked relation one upon another, and means for holding the cross-stacked pans against lateral displacement, including guide means mounted on the base member for laterally receiving each of a plurality of vertically spaced pans inserted into one predetermined position and guide means mounted on the base member for laterally receiving each of a plurality of vertically spaced pans inserted into another predetermined position, each of said guide means being adapted to abut a plurality of walls of each pan to be received thereby, for positively



positioning the pan upon its insertion, and said guide means being cooperatively disposed to provide free vertical areas above the periphery of the base member, for cross-stacking the pans by insertion of each in a substantially horizontal position.

2,187,356
MOVING PICTURE CAMERA
Georg Malek, Vienna, Germany, assignor to firm of "Eumig" Elektrizitäts- und Metallwaren-Industrie, Vienna, Austria, a firm of Austria
Original application June 2, 1937, Serial No. 146,089. Divided and this application May 4, 1938, Serial No. 205,875. In Austria June 5, 1936
1 Claim. (Cl. 88—17)



A moving picture camera having a casing which comprises a front part including the optical elements of the camera, a longitudinal partition connected to the rear portion of said front part intermediate the sides thereof, the driving elements of the camera being mounted upon said partition, two detachable side parts in the form of covers slidably arranged on the edges of the partition so as to form on both sides of said partition compartments which contain said driving elements, and guiding means for the covers comprising grooved portions on the edges of the partition and corresponding guide ledges upon the slide covers which engage the grooved portions on the partition in light-tight manner.

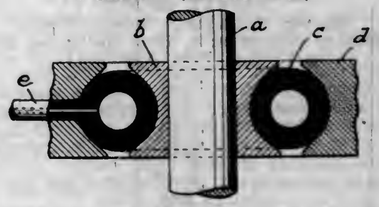
2,187,357
METHOD OF PRESERVING YEAST
Jean Christian Matti, Pully, near Lausanne, Switzerland, assignor to the firm Compagnie Internationale de Procedes de Panification "Itam", Paris (Seine), France
No Drawing. Application January 13, 1938, Serial No. 184,775. In France January 14, 1937
1 Claim. (Cl. 195—74)

A process for making a baking yeast having a retarded fermentation action and a long duration of preservation which consists in mixing at room temperature, 1000 parts of yeast having a water content of about 70% with from 100–800 parts of saccharose, as well as from 100–800 parts of table salt.

2,187,358
MANUFACTURE OF ARTIFICIAL TEXTILE MATERIALS
Albert Mellor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 22, 1938, Serial No. 186,315. In Great Britain February 24, 1937
4 Claims. (Cl. 8—131)

1. Process for the production of artificial silk fabrics having an improved extensibility, which comprises treating fabrics containing superficially saponified yarns of organic esters of cellulose which have an average acyl content of about 1.8 to 2.1 groups per $C_6H_{10}O_5$ unit with aqueous solutions of organic liquids having a solvent or swelling action on the organic esters in the absence of tension sufficient to stretch them.

2,187,359
SUPPORT FOR NECK BEARINGS OF CENTRIFUGAL SEPARATORS
Theodore H. Miller, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application November 17, 1937, Serial No. 174,922
1 Claim. (Cl. 308—147)

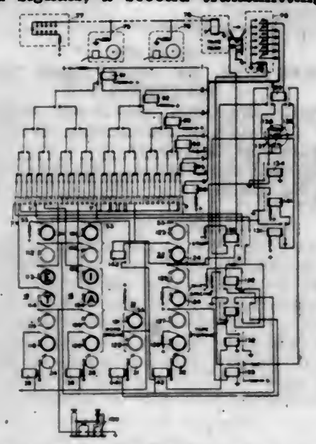


A yieldable guide for the spindle of a centrifugal machine comprising a bearing of rigid material surrounding the spindle and in which the spindle has a close turning fit, said bearing having an exterior circular concavity between its upper and lower peripheries, a supporting frame surrounding the bearing and having between its upper and lower peripheries an interior circular concavity complementary to the exterior concavity in the bearing, the frame being spaced from the bearing, and a ring-shaped hollow cushion of flexible and elastic material positioned between said bearing and frame and filling said cavities and exteriorly unsupported for a distance radial of the spindle axis along its upper and lower walls, the cushion having an unobstructed opening and the frame having an unobstructed passage aligning with said opening to allow a pressure fluid to be admitted or exhausted during operation to govern the pressure in the cushion, thereby making adjustable the resistance of the cushion during operation.

2,187,360
TELEGRAPH SYSTEM AND APPARATUS
Percy L. Myer, Ozone Park, N. Y., and Evan R. Wheeler, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 6, 1936, Serial No. 67,548
26 Claims. (Cl. 178—3)

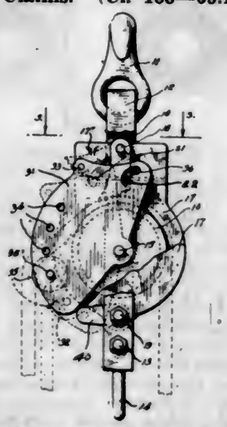
1. A telegraph system comprising a transmit-

ting circuit, means for transmitting equal-length permutation character code signals over said circuit, means connected to said circuit for storing said signals, a second transmitting circuit



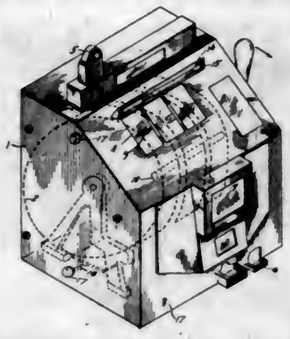
and means including said storing means for repeating the signals in the form of unequal-length code signals over said second circuit with unequal spacing between characters and words.

2,187,361
SAFETY BLOCK
Magnus P. Palsson, Seattle, Wash.
Application November 4, 1938, Serial No. 238,880
3 Claims. (Cl. 188—65.1)



1. A sheave block comprising a frame, a sheave revoluble therein, a spring loaded dog mounted movably above a sheave having a path such that it may move into wedging engagement with a line on the sheave, a lever connected with the dog to raise the dog from operative position at times, said frame including parallel check plates beside the sheave, said dog being pivoted outwardly of the sheave between the plates, said lever consisting of a member pivoted beside the sheave, a roller on the lever lying across the plane of the sheave to receive thereover a line passing also over the sheave, said dog having a transverse pin therethrough spaced from its pivot and said member of the lever being slotted to receive the end of the pin so that movement of the lever will move the pin and dog for operation of the latter.

2,187,362
VISIBLE MECHANISM FOR SLOT MACHINES
Charlotte B. Plissner, Baltimore, Md.
Application November 28, 1938, Serial No. 242,724
1 Claim. (Cl. 88—85)



In a coin taking game machine of the coin-taking and periodic coin-dispensing class having its operating mechanism controllable predeterminedly by the use of gimmicks, and indicating mechanism for disclosing to the exterior view the parts controllable by gimmicks, comprising in combination a prism glass disposed longitudinally across the face of the upper exterior portion of the machine and arranged to transmit a view of the operating mechanism stationary or in operation to the exterior face of the prism and towards the front of the machine, a supplementary prism longitudinally disposed horizontally across the rear portion of the machine and arranged to provide a view at right angles to the first mentioned prism, illumination means within the machine longitudinally arranged across same and spaced away from the operating mechanism and prisms, a plurality of mirrors in the machine arranged away from the operating mechanism, means, and prisms adapted to disclose to the operator, views of the mechanism not directly viewable thereto, and mirrors to reflect the illumination means among the parts of the said mechanism and disclose its structure completely to the observer, and particularly to the locative points for gimmicks, said mirrors, means and prisms being arranged with respect to each other to accentuate the attachment of gimmicks to the operating mechanism and prominently disclose their presence on the external face of the prisms.

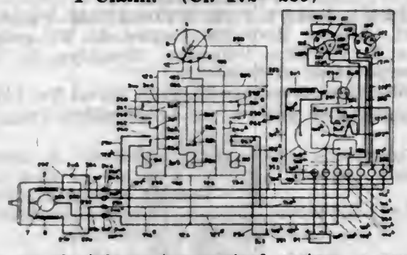
2,187,363
TURN-OVER DOOR
Arthur T. Prescott, East Orange, N. J., assignor to J. Edward Ogden Company, East Orange, N. J., a corporation of New Jersey
Application June 12, 1937, Serial No. 147,880
7 Claims. (Cl. 20—19)

1. A pair of door jambs and a lintel, an upper door section and a lower door section between and outside of the inner plane of the jambs, means for raising the lower door section vertically to overlie the upper section, means actuated by the movement of the lower door section as it approaches the upper end of its vertical travel for moving the upper edges of both sections inwardly to a position to clear the inner plane of the lintel, means for causing further upward movement of the lower door section to move the lower edges of both sections vertically, other means to cause both sections to swing inwardly during said further upward movement of the lower edges of the sections and plates on the



door sections overlapping the jambs when said sections are closed.

2,187,364
VARIABLE PITCH AIRSCREW
Pierre Paul Ratié, Montrouge, France, assignor, by mesne assignments, to Paulin Jean Pierre Ratié, Montrouge (Seine), France
Application November 5, 1936, Serial No. 109,318
In France April 1, 1936
1 Claim. (Cl. 172—239)



In an electric motor control system, a source of electric energy having two terminals, an electric motor having two field circuits, each of said two field circuits corresponding to a different direction of rotation of said motor, a receiving device, means for transmitting to the receiving device the rotary motion of the motor, a switch having two exterior fixed contacts and a central fixed contact, and a movable contact, arranged to cooperate with the three fixed contacts and connected to the first of the terminals of the source of electric energy, means responsive to the variations of position of the receiving device for displacing said movable contact, a first relay connected on the one hand to the second terminal of the source of electric energy and on the other hand to the first of the two exterior fixed contacts of the switch, a second relay connected on the one hand to the second terminal of the source of electric energy and on the other hand to the second of the two exterior fixed contacts of the switch, a holding circuit for each of said relays, a deenergizing circuit, each relay including a working contact arranged in the holding circuit thereof, a working contact arranged in the deenergizing circuit, a working contact also arranged in one of the two field circuits of the motor, and a third relay arranged in the deenergizing circuit and connected on the one hand to the second terminal of the source of electric energy and on the other hand to the central fixed contact of the switch, said relay comprising a contact of rest arranged in the holding circuit of each of the first and second relays.

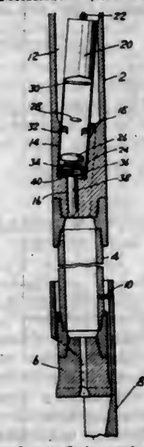
2,187,365
TREATMENT OF TEXTILE MATERIALS
George Schneider, Montclair, N. J., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 17, 1937, Serial No. 164,311
3 Claims. (Cl. 8—61)

1. In a process for finishing dyed textile materials containing filaments or fibers of an organic derivative of cellulose so as to cause said dyed materials to be made fast to light, acid and perspiration fading, the step of treating said dyed textile material, after the final wet finishing treatment, with calcium hydroxide, whereby the calcium hydroxide is incorporated in said dyed textile material.

2,187,366
MANUFACTURE OF VANILLIN
Leo Schulz, Miltitz, near Leipzig, Germany, assignor to Schimmel & Co. A. G., Miltitz, near Leipzig, Germany, a corporation of Germany
No Drawing. Application December 15, 1937, Serial No. 179,886. In Germany February 3, 1937.
11 Claims. (Cl. 260—600)

1. In the recovery of vanillin from lignin-containing substances, the process which comprises mixing such a substance with water, with caustic alkali and with an aromatic nitro compound of the benzene series in which the nitro group is the group most reactive with lignin under the conditions of the reaction, heating this mixture to temperatures sufficiently high to cause the nitro compound to oxidize the lignin to vanillin, and recovering the vanillin from the reaction products.

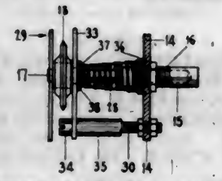
2,187,367
METHOD AND APPARATUS FOR ORIENTING DRILL STEMS
George A. Smith, Philadelphia, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application May 4, 1939, Serial No. 271,743
8 Claims. (Cl. 255—1)



1. The method of determining the orientation

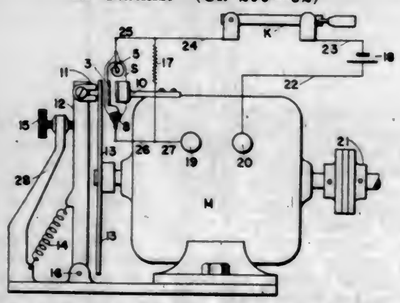
of a portion of a drill stem within a bore hole comprising determining the slope of a bore hole at the location where such determination is to be made, lowering into the bore hole a hollow drill stem which, at the portion which is positioned at the location where such determination is to be made, is arranged to position a well surveying instrument at a known angle of deviation from the axis of the hole, causing to be made by an instrument so positioned a record of the inclination of the instrument with respect to the vertical and of the relationship of said inclination to the direction of inclination of the bore hole with respect to the vertical, and removing the instrument from the drill stem.

2,187,368
CHANGE SPEED GEAR FOR BICYCLES
Otto Todrys, New York, N. Y., assignor to France Sporting Inc., New York, N. Y., a corporation of New York
Application October 7, 1939, Serial No. 298,418
2 Claims. (Cl. 74—21.7)



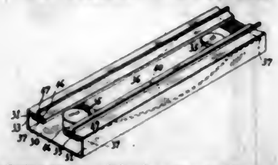
1. In a change speed gear mechanism of the class described, comprising a shifting housing in which a jockey sprocket is rotatably mounted on a spindle and being movable to and from a rocker bracket, a tubular member secured to said rocker bracket and in engagement with a spindle secured to said shifting housing, said shifting housing and said rocker bracket having circular channels concentric with said spindle, and a spring reinforcing housing made of ribbon-like spring steel with the coils in contacting relation and seating in said channels for augmenting the alignment of said shifting housing with said rocker bracket.

2,187,369
AUTOMATIC SPEED REGULATOR
Fritz Frederick Uehling, Passaic, N. J.
Application November 16, 1937, Serial No. 174,763
12 Claims. (Cl. 200—92)



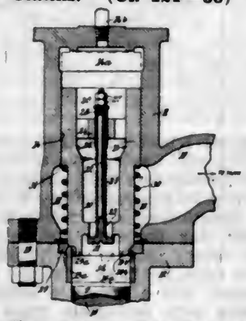
1. In a device of the class described, the combination with a rotatable disc which intersects the magnetic lines of force between a magnet and an armature responsive thereto, of means for continuously rotating the disc to create eddy currents which influence said lines of force, and means for changing the rotating speed of the disc.

2,187,370
SAFETY RAZOR BLADE MAGAZINE
Sidney H. Benjamin, Milwaukee, Wis.
Application May 4, 1939, Serial No. 271,700
10 Claims. (Cl. 30—40)



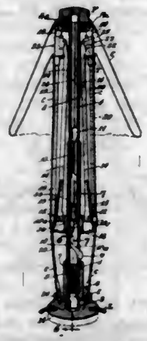
2. A safety razor blade magazine comprising a receptacle the width of which is greater than the width of a razor blade and having a longitudinal slot therein narrower than the width of said receptacle and of said blade and adapted to receive a plurality of stacked safety razor blades, each having a plurality of openings therethrough, one end of said magazine being open to allow of the withdrawal of one of said blades, stud means carried by said magazine and adapted to extend through the openings in all of said blades with the exception of the top blade, said device being adapted to cooperate with studs upon a razor head element to withdraw the top blade only by a longitudinal movement of said magazine and said razor head element with respect to each other, and guide means carried by said magazine to maintain said magazine and said razor head element in longitudinal position with respect to each other during said movement.

2,187,371
PREFILL VALVE FOR HYDRAULIC PRESSES
Earl Cannon, Rockville Centre, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application November 20, 1936, Serial No. 111,790
9 Claims. (Cl. 121—38)



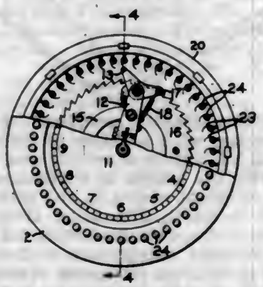
1. A hydraulic press or the like and a prefill valve therefor, comprising a ram chamber having a port for the filling and exhaustion thereof, means for conducting fluid at relatively low pressure to and from said port and a reciprocating valve element coacting with said port whereby to close the latter and retain fluid at relatively high working pressure in said ram chamber, said valve element and port having coacting surfaces one of which is substantially parallel to the line of movement of the valve element and another of which, at one extreme position of the valve element is adapted to coact with said substantially parallel surface whereby to substantially close said port, and has a progressively cut away portion which, during movement of the valve element from said extreme position, forms with the said parallel surface, a progressively enlarging means for passing fluid through said port.

2,187,372
UMBRELLA
Louis A. Capaldo, New York, N. Y.
Application April 20, 1937, Serial No. 137,906
4 Claims. (Cl. 135—24)



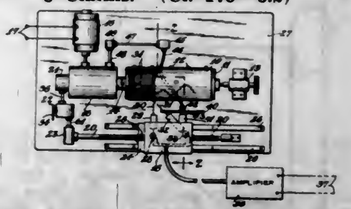
2. In an umbrella which has a stick and ribs, a handle member having a handle portion which comprises a hand-hold part and a hollow shank, a guide member located in said shank and connected to said handle member, the stick having its outer end-portion located slidably on said guide member, said handle member having a grooved portion shaped to receive the outer tips of the ribs and to hold the ribs against substantial movement away from the stick, and spring means connected to the stick and to the handle member and operative yieldingly to hold the handle member in the position in which its grooved portion receives the outer tips of the ribs.

2,187,373
RADIO RECEIVING SET TIME CONTROL DEVICE
Thomas A. Cheney, Seattle, Wash., assignor of one-half to Harry J. Krinke, Seattle, Wash., and one-half to himself
Application December 16, 1936, Serial No. 116,163
3 Claims. (Cl. 200—37)



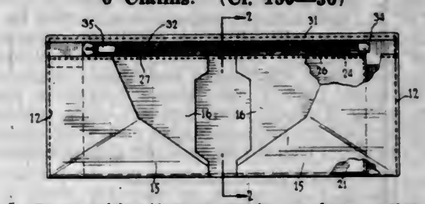
2. A radio receiving set time control device, comprising time-keeping mechanism including a rotatable arbor, an arm carried by said arbor, a plurality of annularly disposed contacts arranged concentrically about said arbor, a generally circular toothed cam arranged concentrically of said arbor and fixed with relation to said contacts, a finger pivotally mounted on said arm to rock with respect thereto for engagement with said contacts one at a time, and a cam follower carried by said arm and engageable with said cam to control rocking of said finger into engagement with the respective contacts at predetermined times.

2,187,374
UNITARY SYSTEM FOR TRANSMITTING COLOR AND BLACK-WHITE PICTURES
William G. H. Finch, Spuyten Duyvil, N. Y.
Application May 3, 1937, Serial No. 140,293
5 Claims. (Cl. 178—5.2)



1. The method of transmitting a colored picture which comprises scanning the colored picture at a predetermined surface speed, successively filtering out different colors of the light beam for successive lines of scanning to produce light intensities varying in accordance with color components of elemental portions of the picture, generating electrical signals in accordance with the varying light intensities, transmitting the electrical signals to a receiving station, producing a scanning beam of light of intensity varying in accordance with the electrical signals, and continuously scanning a sensitive record sheet with the scanning beam in a contiguous scanning operation at a surface speed substantially equal to said predetermined rate to simultaneously produce a plurality of monochrome facsimiles on the record sheet corresponding to the individual transmitted color value signals.

2,187,375
WALLET
Philip Florin, New York, N. Y.
Application March 25, 1939, Serial No. 264,155
6 Claims. (Cl. 150—36)

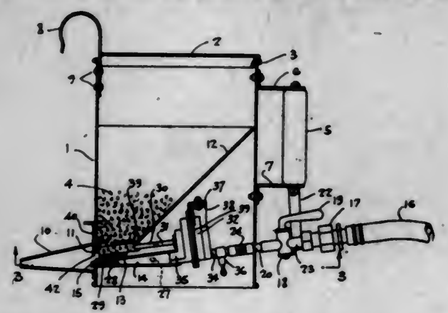


1. In combination, a main pocket wallet, an auxiliary pocket wallet nested within said main wallet, said auxiliary wallet being adapted to divide said main wallet into two compartments, and means comprising a slide fastener for attaching said auxiliary wallet to said main wallet, said means being disposed adjacent the entrance to said main pocket wallet so as to optionally bar access to one of said compartments.

2,187,376
SPRAYING APPARATUS
Francis W. Guibert, Los Angeles, Calif.
Application April 13, 1937, Serial No. 136,632
1 Claim. (Cl. 91—8)

In a device for spraying light divided material that is liable to pack or arch, said device being arranged to be entirely supported as well as manipulated, by one hand, a shell, a sloping partition in the shell whereby the upper part of the shell forms a container for said material, means forming a discharge nozzle for the container, there being an opening at the bottom of the container whereby material may pass freely

and directly from the container into the nozzle, a mechanical agitator within the container immediately adjacent the opening, a motor supported within the shell outside the container for operating the agitator, and an ejector nozzle



without the container adjacent the partition and having its orifice immediately adjacent said opening, whereby pressure fluid discharged by the ejector nozzle will be effective to draw material into the discharge nozzle from the container and discharge it from the nozzle.

2,187,377

WEAR RESISTANT ELECTRIC CONTACT

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co. Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application September 25, 1937, Serial No. 165,767
3 Claims. (Cl. 200—166)

1. An age-hardened electric make-and-break contact formed of silver containing copper in amounts not exceeding the solid solubility limits at 750° C. but exceeding the solid solubility limits at 250° C., said contact being characterized by a quasi-homogeneous physical condition wherein there is present a sub-microscopic precipitated phase uniformly distributed and highly dispersed in the silver matrix, said phase consisting predominantly of copper, said contact being further characterized by high hardness and wear resistance imparted thereto by said physical condition.

2,187,378

ABRASION RESISTANT ELECTRIC CONTACT

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application September 25, 1937, Serial No. 165,768
2 Claims. (Cl. 200—166)

1. An abrasion resistant electrical contacting member, consisting of substantial percentages of palladium and silver, in which gold and cobalt are present in dispersed phase.

2,187,379

ALLOY

Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application June 2, 1939, Serial No. 276,993
5 Claims. (Cl. 75—173)

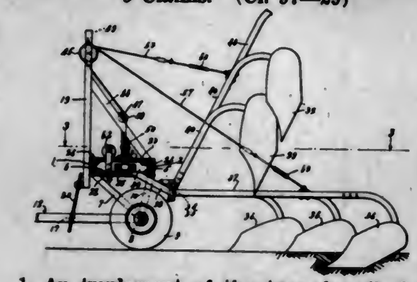
5. An alloy composed of .05 to 15% magnesium, .25 to 5% nickel, balance substantially all silver.

2,187,380

PLOW

Sigurd Kaltoft, Hemet, Calif., assignor to Howard Rose Company, Hemet, Calif., a corporation of California

Application January 9, 1939, Serial No. 249,925
9 Claims. (Cl. 97—29)



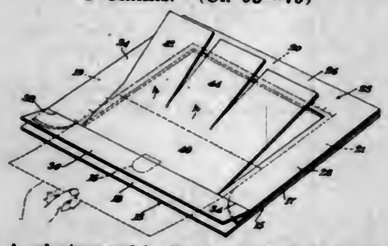
1. An implement of the type described, comprising a frame adapted to be moved along above the ground, said frame including laterally extending guide means, carriage means supported by said guide means for lateral movement with respect to said frame, a plurality of tools connected to said carriage means for lateral movement therewith, means for shifting said carriage means along said guide means to selectively, laterally position said tools with respect to said frame, means for selectively raising and lowering different ones of said tools, and means for actuating said raising and lowering means in response to movement of said carriage along said guide means.

2,187,381

PASTEBOARD PRINTING FRAME

Jack Lane, New York, N. Y.

Application July 6, 1938, Serial No. 217,675
8 Claims. (Cl. 95—79)



1. A photographically sensitized sheet holder adapted for use with a series of different sized sheets, each of different length and width dimensions with the length or width dimensions of any of the adjacent sheets in the series common to a length or width dimension of an adjacent sheet in the series, said holder including an upper mask member comprising a frame portion adapted to provide an exposure opening for the largest sheet of said series, and a plurality of hinged flap portions all within said frame portion cooperative to provide a series of the exposure openings corresponding to the other smaller sized sheets of the series, the smallest exposure opening of said series being provided by a single flap and the other exposure openings of said series including the smallest flap and another, and registry means for all sizes of sheets disposed under said frame and outward of the largest exposure opening, said registry means adapted to be engaged by adjacent edges of all of the said sensitized sheets, whereby a light mask is provided over the sensitized surface and

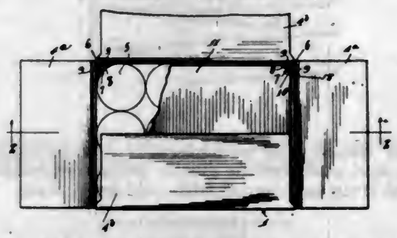
along all edges of any of the sheets, to provide sensitized borders, at least two of the borders being formed by the frame portions overlying the registry means.

2,187,382

SHIPPING PACKAGE

Fred N. Libbey, Oakland, Calif., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York

Application May 21, 1938, Serial No. 209,260
2 Claims. (Cl. 229—15)



1. In a shipping package for holding a plurality of cans of canned goods disposed in tiers, the combination of a box-form shipping case having a bottom and side walls of insufficient rigidity to prevent the cans from being subjected to a damaging pressure through the said side walls, and a substantially horizontal rigid partition wall located between the tiers of the canned goods, substantially filling the horizontal cross-section of the case and bracing its side walls against external pressure, and an angle-form corner strip disposed in each vertical corner of the case extending past the said horizontal partition and engaging the edge faces of the corners of said partition wall, said corner strips operating to engage the faces of the adjacent cans, and also operating to center the partition wall and distribute the pressure of its edges against the corners of the case.

2,187,383

PROCESS OF LAMINATING WITH A UREA FORMALDEHYDE RESIN

Oskar R. Ludwig, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application June 13, 1936, Serial No. 85,049
17 Claims. (Cl. 154—2)

12. An improvement in the process of producing laminated articles wherein cellulosic sheet material is impregnated with an aqueous solution of an intermediate urea formaldehyde condensate, the impregnated sheets dried, the dried sheets superimposed one upon another and heated under pressure, said improvement comprising adding to the urea-formaldehyde solution prior to impregnation an aqueous emulsion of polymerized methyl acrylate in such proportions that the solids content of the mixture is from 2 to 30% polymerized ester.

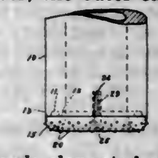
2,187,384

DIAMOND DRILL BIT

George J. Maier, New York, N. Y., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York

Application March 14, 1939, Serial No. 261,779
2 Claims. (Cl. 255—72)

1. A drill bit comprising a tubular holder provided in its lower end face with an annular groove, a channel shaped steel ring disposed against said lower face and cooperating with said groove to form an annular chamber; said ring having small apertures therein communicating with said chamber, the outer ends of said aper-



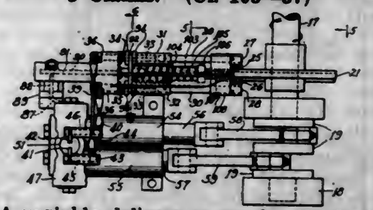
tures being tapered; elongated abrasive elements disposed in and slightly projecting from said apertures; and a metal body in said chamber and apertures, and cast around the abrasive elements to bond the holder, the steel ring and abrasives together.

2,187,385

HYDRAULIC PRESS

James Maynard, Los Angeles, Calif., assignor to Frank R. Galbreath, Los Angeles, Calif.

Application December 9, 1937, Serial No. 178,964
3 Claims. (Cl. 103—37)



1. A variable delivery pump for the hydraulic operation of presses and the like including a plunger of constant, uniform stroke and a pressure feed line leading therefrom and provided with a branch conduit, a constantly rotated shaft having operative connection with said plunger for actuating the same, a cam constantly rotating with said shaft and presenting a variable cam surface, valves effective in the intake of fluid to said pump and its discharge into said feed line, means engaging certain of said valves for rendering the same ineffective during a portion of the pump operation, a take-off in adjustable engagement with the variable surface of said cam, controlling the duration of effectiveness of said valve engaging means, and including relatively movable parts shiftable to adjust the take-off relative to the cam, and a plunger actuated by pressure from said branch conduit for shifting certain of said parts of the take-off relative to the other and to said cam.

2,187,386

SPOOL BRACKET

Gene Strocco and Paul Gusmarino, New York, N. Y.

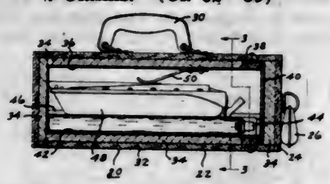
Application October 11, 1938, Serial No. 234,347
8 Claims. (Cl. 242—135)



1. In a spool bracket, two yieldably mounted spaced arms containing oppositely disposed indentures adapted to extend into the central aper-

ture of a spool of thread operatively positioned between said arms whereby the spool will be rotatably supported thereby, the free terminal of one of said arms containing an apertured portion for receiving therethrough the thread extending from the spool while being withdrawn therefrom, the corresponding terminal of the other arm containing a cutting edge for severing the thread extending from said apertured portion, said arms being movable towards each other by the pull of the thread when in operative engagement with said apertured portion and said cutting edge.

2,187,387
REFRIGERATING APPARATUS
Chester S. Trigg and Edmund F. Schweller, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 29, 1937, Serial No. 171,750
2 Claims. (Cl. 62—89)



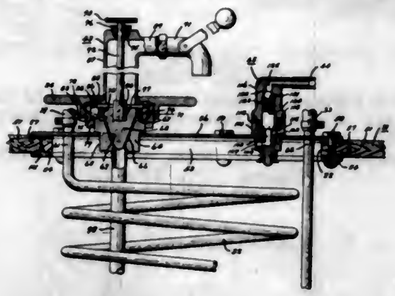
1. A carrying case comprising an insulated box containing a compartment therein, a sheet metal inner liner member lining said compartment, a refrigerating member upon the bottom of said compartment resting directly upon said sheet metal liner, and spring means fastened to the top of said inner liner member for holding articles in place upon said refrigerating member.

2,187,388
WORKING FLUID FOR REFRIGERATING APPARATUS
Harry M. Williams, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
No Drawing. Application September 6, 1935, Serial No. 39,453
9 Claims. (Cl. 252—5)

9. A refrigerating medium comprising a halofluoro derivative of an aliphatic hydrocarbon and a liquid substantially immiscible therewith and having lubricating properties, said liquid being selected from a group of lubricants consisting of castor oil and a polyhydric alcohol having a low pour point and a high vaporization temperature.

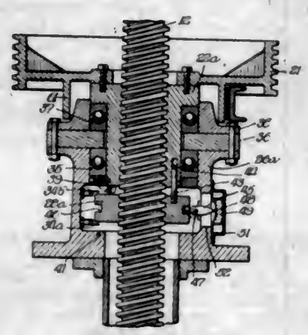
2,187,389
REFRIGERATING APPARATUS
Wynne G. Winkler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 13, 1937, Serial No. 174,287
9 Claims. (Cl. 225—40)

1. In combination with a beer barrel having an opening at one end thereof, a structure including a head plate removably secured to said barrel and normally closing the opening at said end thereof, said head plate having a plurality of normally closed fluid pipe connections provided therein and adapted to communicate with the interior of said barrel, conduit means secured to said head plate and extending therefrom a substantial distance into said barrel, said conduit means having its ends opening exteriorly of said barrel for connection with a cooling fluid circu-



lating system, and said plurality of pipe connections and said conduit means being removable as a unit from said barrel with said head plate.

2,187,390
SAFETY AND INDICATING MECHANISM FOR ELEVATORS
John C. A. Anderson and Adolph C. G. Anderson, Chicago, Ill., assignors to Reliance Elevator Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1938, Serial No. 198,835
17 Claims. (Cl. 187—24)

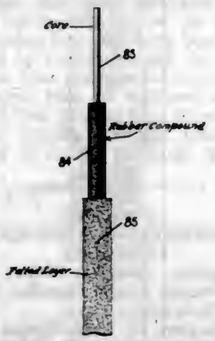


1. An elevator mechanism including a lift screw, a lift nut rotatably mounted but non-vertically movable engaging the lift screw, means for rotating the lift nut to raise and lower the screw, and a safety nut normally bearing substantially no load but adapted to restrain vertical movement of the screw in the event of failure of the lift nut.

2,187,391
SHEATHED CORE
Sidney E. Borgeson, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application February 27, 1937, Serial No. 128,250
2 Claims. (Cl. 174—122)

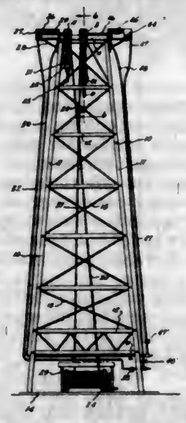
1. In an insulated electrical conductor, a conducting core and a homogeneous, seamless, tubular, felted protective jacket therefor, said jacket comprising successive, generally circumferential laminations of indiscriminately intertangled, individually matted fibres providing a

unitary felted insulating covering of substantially uniform density throughout its thickness, cir-



cumference and length, and uniformly resistant to separating forces in all directions.

2,187,392
DERRICK
James F. Chappell, Mineola, Tex., assignor of one-half to Alvin H. Lane, Dallas, Tex.
Application January 11, 1937, Serial No. 120,003
12 Claims. (Cl. 212—71)



1. A derrick including, a supporting structure, crown block units mounted to undergo a straight line lateral movement at the upper end of the structure, each unit being capable of an independent lateral movement relative to the other, means for moving said units transversely of the structure, and control means for actuating said moving means, said control means being locatable at a point removed from the crown block units.

2,187,393
PRODUCTION OF CARBON DISULPHIDE
Martin de Simó, Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 1, 1938, Serial No. 188,099
16 Claims. (Cl. 23—206)

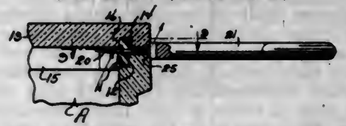
4. In a process for the production of carbon disulphide by the vapor phase reaction of sulphur with an organic compound, the step of reacting the vaporous mixed reactants at a temperature of from 800° C. to 1000° C. in the presence of a pre-formed metal sulphide catalyst to form a gaseous reaction mixture consisting predominantly of CS_2 and H_2 substantially devoid of unreacted sulphur.

2,187,394
JAR
Gustave Glocker, Washington, D. C., assignor to Super-Seal Vacuum Glass Container Corporation, Washington, D. C., a corporation of Delaware
Application June 21, 1938, Serial No. 214,982
5 Claims. (Cl. 215—40)



1. A jar of the kind described comprising a body closed at its bottom and open at its top, an annular rim at the open top and having a countersunk internal annular shoulder forming a seat, a lid for said open top and having in its bottom an annular groove inset from the outer peripheral edge thereof for registering with the shoulder, an annular backing wall depending from the bottom of said lid inwardly of said groove, a resilient sealing ring engaged in said groove for contact with the shoulder and having four-point contact with the body and lid and completely bridging the joint between the lid and body, the said rim at the inner wall thereof having a vent opening through the top edge of said rim and communicative with the interior of the body for escapement of fluid under pressure within the body when the lid is applied thereto, the said lid having a key way intersecting the path of the sealing ring for communication with the vent and accessible exteriorly of the jar for the insertion of a punch and puncturing of said ring to break vacuum within the body and easy removal of the lid when sealed thereon, and a tensioning clamp bridging the lid and releasably engaged with the rim exteriorly thereof.

2,187,395
CONTAINER KEY
Gustave Glocker, Capitol Heights, Md.
Application October 3, 1938, Serial No. 233,073
3 Claims. (Cl. 30—315)

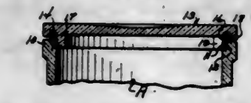


1. In a device of the character described, a key having a pointed piercing blade of an extent greater than an area penetrated thereby and also provided with a slot disposed longitudinally in said blade, and a stop shoulder formed exteriorly on the key between the ends of the slot for limiting the penetration of the blade and exposing the said slot beyond the penetrated area of said blade.

2,187,396
CONTAINER
Gustave Glocker, Capitol Heights, Md.
Application October 3, 1938, Serial No. 233,074
3 Claims. (Cl. 215—47)

1. A container of the kind described comprising a body having a mouth opening provided with an internal annular shoulder, a lid for the mouth opening and having in its bottom an annular

groove inset from the outer peripheral edge thereof for registering with the shoulder, an annular backing wall depending from the bottom of said lid inwardly of said groove and inwardly beveled, a resilient sealing ring fitting said groove and disposed concentrically about and against the said beveled wall for seating engagement against the shoulder on the placement of the lid upon the body at the mouth opening



thereof, a downwardly beveled internal annular wall formed at the mouth opening and meeting the said shoulder, the said lid and the backing wall being provided with a keyway intersected by the lay of the ring and opening through said backing wall interiorly of the body when said lid is sealed thereto, and a rib about the way in the backing wall on the side thereof next to the sealing ring when engaged in the annular groove in said lid for biting into the said ring.

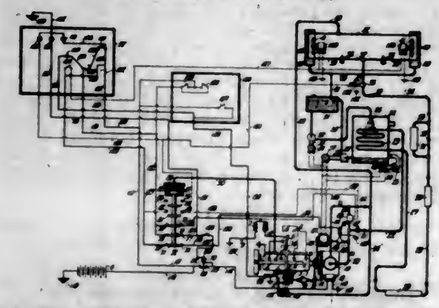
2,187,397

AIR CONDITIONING APPARATUS

James P. Goggins, Omaha, Nebr., assignor to Interstate Transit Lines, Omaha, Nebr., a corporation of Nebraska

Application September 7, 1937, Serial No. 162,601

7 Claims. (Cl. 62—6)



1. In an air conditioning assembly, an internal combustion engine having an ignition circuit, a refrigerant fluid compressor with a driving connection from said engine, said compressor having a refrigerant fluid discharge pipe and a refrigerant fluid suction pipe, a pipe providing communication between said discharge pipe and said suction pipe, a valve in said intercommunicating pipe, an electromagnet for actuating said valve, a shut-off valve in said discharge pipe, a second electromagnet for operating said shut-off valve, a starting motor for said internal combustion engine, a master control switch adapted to control a plurality of circuits, a thermostat, a source of potential, a circuit including said thermostat and said master switch for energizing said ignition circuit, a circuit including said master switch and said thermostat for energizing said starting motor, a circuit including said master switch for energizing said first electromagnet to hold said intercommunicating valve in open position, said three circuits being completed by said master switch when it occupies a first position, a second control switch, means responsive to a function of the operation of said compressor for operating said second control switch, a second ignition circuit including said master switch and said second control switch, a circuit including said master switch and said thermostat for energizing said second electromagnet to hold said shut-off valve in open position, said last named circuits being adapted to be completed by said master switch in a second position, and means responsive to a function of the operation of said internal combustion engine for moving said master switch from said first position to said second position, the construction of said master switch being such that said second ignition circuit is completed before said first ignition circuit is broken.

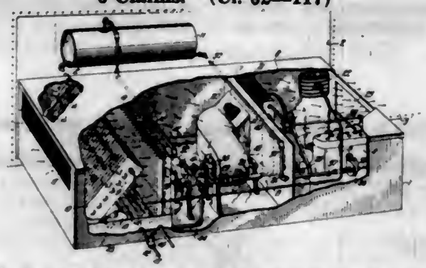
2,187,398

AIR CONDITIONING ASSEMBLY FOR VEHICLES

James P. Goggins, Omaha, Nebr., assignor to Interstate Transit Lines, Omaha, Nebr., a corporation of Nebraska

Application August 17, 1938, Serial No. 225,336

6 Claims. (Cl. 62—117)



1. In combination with a vehicle an air conditioning assembly including a compressor, an internal combustion engine connected to drive said compressor, a condenser coil adapted to cool the hot compressed refrigerant fluid, a water reservoir, means for spraying water from said reservoir over said condenser, a sump for the sprayed water, a blower fan adapted to pass an air stream over said condenser and the water being sprayed thereon, said internal combustion engine having a water cooling jacket, an internal combustion engine water circulation pump, means providing communication between said reservoir and said pump, means for providing communication between said pump and the engine cooling water jacket, means providing communication between the cooling water jacket of said internal combustion engine and said condenser water sump, a second pump, means providing communication between said condenser water sump and said second pump, and means for passing water from said second pump to said water reservoir.

2,187,399

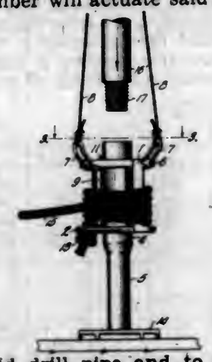
DEVICE FOR MAKING DRILL PIPE CONNECTIONS

Louis J. Hopkins, Wasco, Calif., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application January 13, 1939, Serial No. 250,766

4 Claims. (Cl. 255—35)

1. A device for making drill pipe connections including in combination a cylindrical body member, said body member being formed with a cutaway portion enabling it to be moved radially about a drill pipe, gripping means carried by said body member adapted to engage said drill pipe, said gripping means having a portion extending beyond said body member, an elongated flexible member wound around the outside of said body member and contacting said extending portion of the gripping means, the construction being such that tension upon said elongated flexible member will actuate said gripping means



to grip said drill pipe and to rotate said cylindrical body member to rotate the drill pipe.
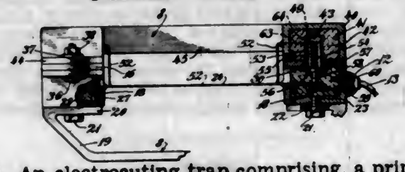
2,187,400

ELECTROCUTING TRAP

Sam Palos, Argo, Ill.

Application November 14, 1938, Serial No. 240,275

4 Claims. (Cl. 43—112)



1. An electrocuting trap comprising, a primary grid structure, and a secondary grid structure, the said primary grid structure having electrodes spaced substantially further apart than the spacing of the electrodes in the secondary grid structure, the secondary grid structure provided with gaps adapted to receive the electrodes of the primary grid structure, thus providing an assembled grid structure adapted to electrocute insects.

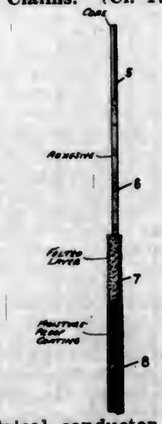
2,187,401

INSULATED ELECTRICAL CONDUCTOR

Frank M. Potter, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application April 19, 1938, Serial No. 202,815

10 Claims. (Cl. 174—121)



1. An electrical conductor comprising a conductor core, and a compact, seamless, continuous tubular felted, insulating and protective jacket surrounding said core, said felted jacket being composed for the most part of dry, unsaturated fibres integrally felted together into a homogeneous jacket of substantially uniform thickness and density throughout its circumference and length which is self-sustaining and uniformly resistant to separating forces in all directions without the use of external braids or wrappings.

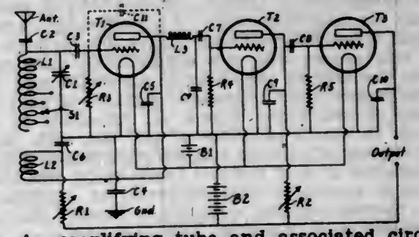
2,187,402

FEEDBACK CIRCUIT AND RADIO RECEIVER

Rodney F. Pratt, Grahamsville, N. Y., assignor of one-half to Manuel Dittenheimer, Ellenville, N. Y.

Application July 21, 1938, Serial No. 220,547

3 Claims. (Cl. 179—171)



1. An amplifying tube and associated circuit comprising a tunable grid circuit having inductance and capacity and a plate circuit having relatively similar inductance and capacity closely coupled to said grid circuit, means for reducing the damping effect to negligible value of the tube plate circuit resistance upon said closely coupled grid and plate circuits comprising the operation of said amplifying tube with a relatively high external plate circuit resistance of the order of a megohm.

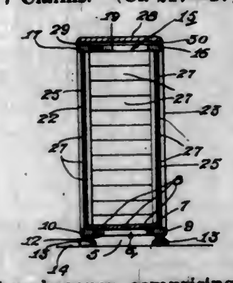
2,187,403

CLOTHES HAMPER

Joseph Rubin, Philadelphia, Pa.

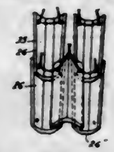
Application July 26, 1938, Serial No. 221,371

7 Claims. (Cl. 217—17)



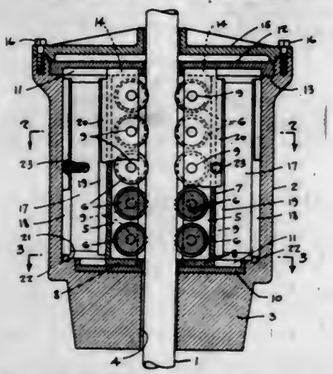
1. A clothes hamper comprising a polygonal shaped and generally rigid base, a similarly shaped rigid upper frame, rigid upright corner posts intermediate the base and upper frame at each of the corners thereof, and affixed thereto, a pair of juxtaposed upright grooves in each of said corner members, with each groove in each corner member facing and being in operative alignment with a groove in each of the adjacent corner members, a series of thin flexible horizontal slats generally filling each of the spaces between the base and upper frame and adjacent corner members, with their ends projecting into said grooves and retained thereby and with each slat slightly overlapping the adjacent slat, the width of said groove and the thickness of said slats being so related to each other that the overlapping of the slats will be limited by the width of the groove.

2,187,404
ROOFING STRUCTURE AND TILE THEREFOR
Walter R. Simons, Los Angeles, and Roy G. Blessing, Alhambra, Calif.
Application June 11, 1938, Serial No. 213,220
2 Claims. (Cl. 108—10)



1. As an article of manufacture, an arcuate tile of a substantially uniform thickness at all points along its mid-width and of a uniformly diminishing thickness from its mid-width to each of its side edges, said tile diminishing uniformly from one end to the other in its width and the exterior and interior arcuate surfaces of said tile being of the same degree of curvature in all places so that a plurality of said tile with varying degrees of overlap may be superimposed with a matched fit and without there being clearance between convexity and concavity of contiguous tile, thereby causing such tile to present the appearance of a "mission" tile.

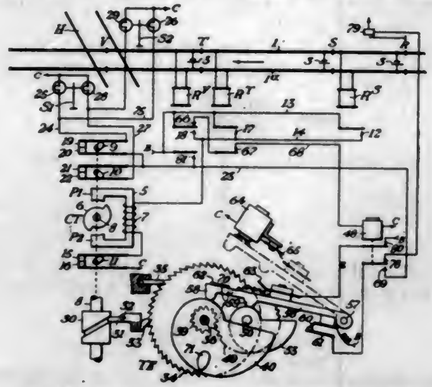
2,187,405
DRILL STEM DRIVE
James A. Smethers, Odessa, Tex.
Application January 18, 1938, Serial No. 185,542
13 Claims. (Cl. 255—23)



1. In a drive for a rotary drill stem, a plurality of angularly spaced grippers adapted to engage the stem along a substantial length thereof, upper and lower radial guides for the grippers, and means forming a toggle joint mechanism with each gripper to urge it toward engaging position.

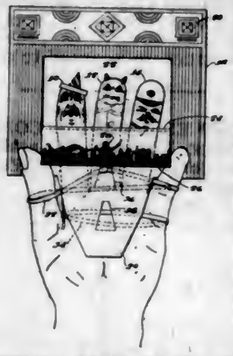
2,187,406
TIME MEASURING APPARATUS
Crawford E. Staples, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 13, 1935, Serial No. 10,869. Divided and this application December 4, 1936, Serial No. 114,230
7 Claims. (Cl. 161—1)

3. Time measuring means comprising, a circuit controlling contact member biased to a normal position, an operating unit including a winding, a first cam adaptable of operation by said unit when the winding is energized and effective to move the member away from said normal position for positioning the member in accordance with the time interval said cam is operated; a second cam adaptable of operation by said unit when the winding is energized and effective to restrain movement of said member



by its bias and to permit the member to gradually return to its normal position, clutch means including a clutch magnet to select said first or said second cam for operation by said unit according as the magnet is energized or is deenergized, and control means for controlling the energization of said winding and said magnet.

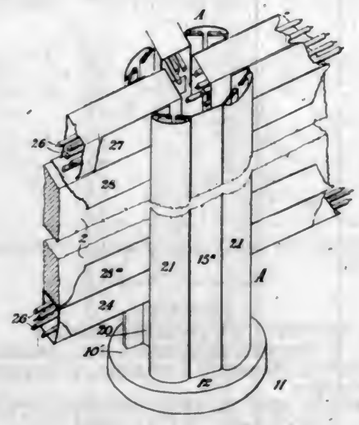
2,187,407
AMUSEMENT DEVICE
Frank J. Stone, Arlington, Mass.
Application April 13, 1938, Serial No. 201,656
8 Claims. (Cl. 46—13)



1. An amusement device of the character described comprising a stage capable of being held in one hand with the central fingers of the hand disposed in back of the stage, a plurality of characters adapted for attachment to the middle fingers of said hand thereby enabling the operator to imitate animated characters upon the stage by movement of the middle fingers of the same hand.

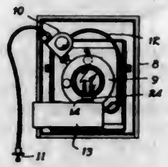
2,187,408
FITTING ROOM CONSTRUCTION
Carl F. Thumm, Pittsburgh, Pa., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa., a corporation of New York
Application February 3, 1939, Serial No. 254,417
11 Claims. (Cl. 189—2)

6. A composite column comprising an annular series of at least three equally spaced longitudinal sheet metal sections each having a middle flat web portion and diverging extensions, and ter-



minating in reversed oppositely inclined flanged portions providing grooves, and slidably engaged connecting strips therefor having inwardly reversed edges engaging said grooves.

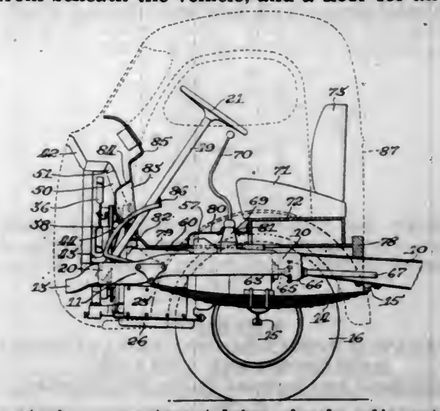
2,187,409
APPARATUS FOR TESTING PHOTOFLASH MECHANISM
Thomas McG. Aiken, Pittsburgh, Pa.
Application May 2, 1938, Serial No. 205,489
2 Claims. (Cl. 73—51)



1. In a device for testing the synchronization of a camera shutter and a flash lamp, in combination with apparatus for synchronizing the movements of a camera shutter and the illumination of the flash lamp, said apparatus including a flash lamp circuit, of means for connecting a luminescent fuse wire in the flash lamp circuit, in lieu of the lamp, in position to be viewed through the shutter, and means for varying the length of the fuse.

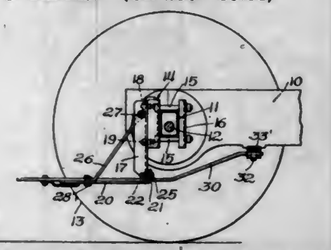
2,187,410
AUTOMOTIVE VEHICLE
Frank W. Avila, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application July 23, 1938, Serial No. 220,856
26 Claims. (Cl. 180—54)

1. In an automotive vehicle, a frame, an inverted multiple cylinder engine supported on said frame, the crank case being at the top and the cylinders extending downwardly beneath the frame and outwardly whereby they are accessible from beneath the vehicle, and a floor for an op-



erator's compartment lying closely adjacent the crank case.

2,187,411
DRAWBAR CONSTRUCTION
William O. Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 15, 1938, Serial No. 235,143
5 Claims. (Cl. 280—33.44)

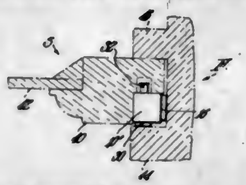


1. In a tractor having a frame structure, and, in combination therewith, vertical members connected to the frame structure and extending downwardly therefrom, a drawbar having connections with said members, said connections consisting of upwardly bent slotted end portions having arcuate curved faces lying in contact with rear portions of the lower ends of the vertical members and bolts extending through said slotted arcuate end portions and through the lower end portions of the vertical members.

2,187,412
ANTIRATTLING DEVICE
John B. Benson, Pittsfield, Mass.
Application November 2, 1938, Serial No. 238,328
2 Claims. (Cl. 292—16)

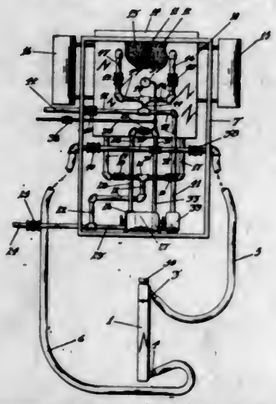
1. A unitary antirattling device for the sash and frame of a window or the like comprising in combination, a single sheet of metal having relatively angularly disposed bottom wall, side and end wall members forming a receptacle open at its upper end, guides fixed to and extending upwardly from said bottom wall within said receptacle having stops at their upper ends, a plate closing the open upper end of said receptacle having depending ears slidably engageable with inner faces of said side wall members and provided with openings slidably receiving said guides whereby said plate is movable towards and away from said bottom wall and is limited in its

movement away from said plate by said stops, and springs on said guides urging said plate away from said bottom wall, said plate having a sub-



stantially flat intermediate portion in a plane spaced from the main body thereof to provide a frictional surface for engaging a part of a window.

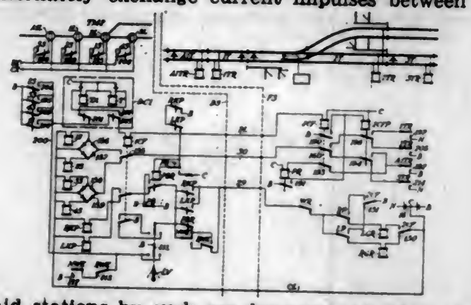
2,187,413
APPARATUS FOR CLEANING AND FLUSHING RADIATORS AND THE LIKE
John Boezi and Rudolph Papiri, Binghamton, N. Y.
Application July 1, 1935, Serial No. 29,240
8 Claims. (Cl. 141—1)



1. A cleaning apparatus for hollow articles comprising two tanks adapted to contain different cleaning liquids, a pressure pump and a suction pump, pipes connecting said tanks, pumps and the opposite ends of the hollow article to be cleaned, valves in said pipes selectively to provide independent circulating systems in either direction through said hollow article from either tank as desired, and selectively to connect the discharge side of one of said pumps with either tank as desired by the manipulation of said valves, and an independent source of liquid adapted to be connected to the intake side of one pump to be circulated through said hollow article.

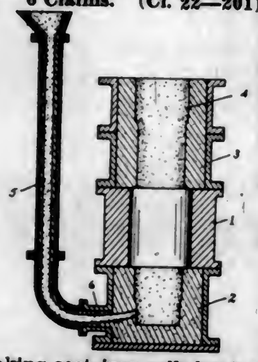
2,187,414
REMOTE CONTROL SYSTEM
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 16, 1938, Serial No. 202,507
29 Claims. (Cl. 246—3)

1. In a remote control system, an office station and a field station, a pilot circuit connecting said stations and including in series the windings of two code following relays one at each station, a code transmitter operative to periodically open and close said circuit to operate said relays in synchronism, and a control and indication line circuit extending between said stations jointly controlled by said relays and made effective to alternately exchange current impulses between



said stations by such synchronous operation of said relays.

2,187,415
METHOD OF MAKING ROLLS
Fred C. T. Daniels, Bridgeville, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
Application May 13, 1939, Serial No. 273,473
6 Claims. (Cl. 22—201)

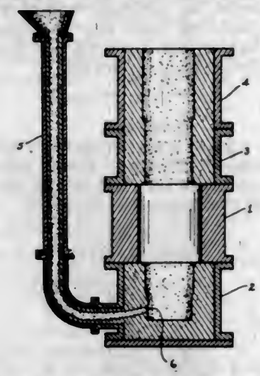


1. In making cast-iron rolls having a hardened body surface and relatively soft and strong body and necks those steps which consist in initially filling a mold contoured for the casting of rolls to a level slightly above the body cavity of the mold, surface chilling the body portion of the roll to form a cylindrical shell of solidified metal, and inoculating all the initial metal of the roll other than that contained in the chilled surface of the roll body by slowly introducing at the bottom of the mold a strength-increasing different metal while permitting the level of the total metal to rise in the mold.

2,187,416
METHOD OF ROLL CASTING
Fred C. T. Daniels, Bridgeville, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
Application June 21, 1939, Serial No. 280,339
4 Claims. (Cl. 22—201)

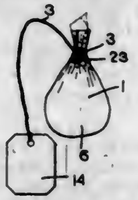
1. In making a cast-iron roll having a body of one composition and necks of different and more readily machinable composition, the steps of pouring into a vertically positioned mold contoured for the casting of rolls metal of a sort not readily machinable to be included in the roll body to a level slightly above the body cavity of the mold and below the upper end of the upper neck cavity of the mold, by pouring rapidly a different metal of more readily machinable

sort into the lower neck cavity of the mold displacing the initial metal upwardly in the mold and replacing it in the lower neck cavity of the mold with the different metal while retaining all the initially poured metal in the mold, and mix-



ing with the initially poured metal in the upper neck cavity of the mold a different metal of more machinable sort in quantity and composition adequate in admixture with the initial metal to give a machinable upper roll neck.

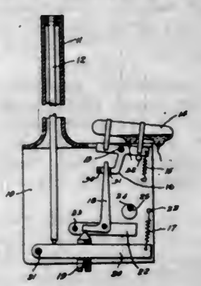
2,187,417
TEA BAG, COFFEE BAG, AND THE LIKE
Ralph N. Doble, Hingham, Mass.
Application December 30, 1938, Serial No. 248,387
3 Claims. (Cl. 99—77.1)



1. A bag for containing material for making a cup of infusion, which bag is formed from a blank of porous paper having filtering qualities which prevent the passage therethrough of the fine dust from tea leaves or coffee grounds, and also having a high wet strength, which blank has its edges gathered together and secured in their gathered together relation, the material forming the body portion of the bag having the characteristics that when wet, it is to a considerable extent impervious to the passage of air and gas therethrough while the portion of the bag immediately adjacent the point where the edges are secured together is sufficiently porous to allow the free escape of the gas and air.

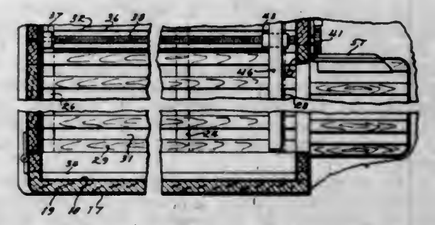
2,187,418
TEMPERATURE REGULATOR
Martin Döring, Dresden, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1936, Serial No. 102,081
In Germany October 7, 1935
5 Claims. (Cl. 200—137)

1. In combination with a movable thermostatic member, circuit-controlling means mechanically connected to said member and responsive to the movements thereof, a member being swingable about one end and having a pivotal connection with said means at a point intermediate the ends thereof, and means for limiting the movements of said swingable member, said



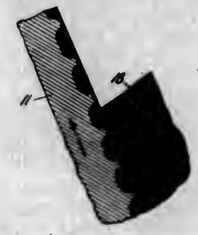
means engaging the movable end of said swingable member and said mechanical connection comprising an adjustable structure biased to act upon both said thermostatic member and said circuit-controlling means.

2,187,419
VEHICLE DELIVERY BODY
Frank H. Field, Jamestown, N. Y.
Application January 29, 1938, Serial No. 187,716
7 Claims. (Cl. 214—82)



1. In a vehicle body for transporting package merchandise having a floor, means beneath the surface of said floor movable longitudinally of said body, and further means adapted to be mounted on said floor and in engagement with said means subsequent to the loading of said vehicle with said merchandise, said further means being movable by said means to adjust and secure said merchandise in engagement with one or the other end walls of said body.

2,187,420
TWO-TONE GRAVURE PRINTING METHOD
Fred George, Lakewood, Ohio, assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application December 28, 1937, Serial No. 182,126
1 Claim. (Cl. 101—170)



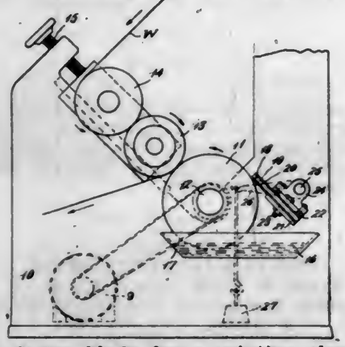
The method of making a two-tone gravure

print which comprises applying a continuous film of ink to a gravure plate, wiping a portion of the ink from the plate under such conditions that the wells of the plate are full and a thin uniform film of ink is spread over the surface of the plate, and printing from the plate.

2,187,421
DOCTOR BLADE

Fred George, Lakewood, Ohio, assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application January 5, 1937, Serial No. 119,104
13 Claims. (Cl. 101—169)



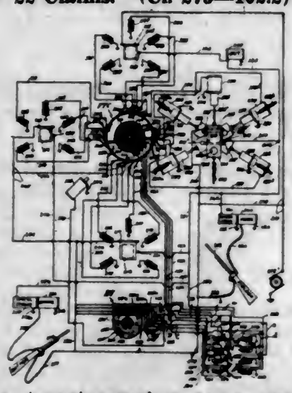
1. A doctor blade for a printing element of the intaglio surface type, said blade comprising a plurality of layers of resilient material, the foremost layer being of such softness as to require external support, said foremost layer being adapted in operative position to contact said printing surface, and substantially rigid supporting means adapted to prevent deflection of said layers.

4. In a gravure printing press, an intaglio printing cylinder having a screened, etched, surface, a cooperating impression cylinder, and a doctor blade operatively associated with said printing cylinder and having a soft resilient ink removing edge.

2,187,422
AMUSEMENT APPARATUS

Augustus M. Henry, Brooklyn, N. Y.

Application November 17, 1939, Serial No. 305,035
22 Claims. (Cl. 273—102.2)

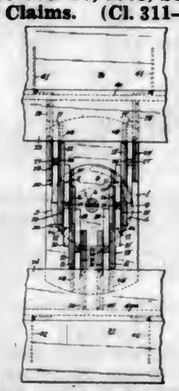


1. In a target-carrying game apparatus, a target-area defining means including means to be struck by a missile; means for actuating said target-area defining means to diminish the target area defined thereby; and means for operating the last-named means when a missile strikes the second named means; wherein there are also provided a means including a light-beam for graphically showing the travel of an indicium toward a defined target-area, and means for rendering said fourth-named means inoperative during an interval of time predeterminedly related to such travel.

2,187,423
DROP LEAF EXTENSION TABLE

William M. Hyland, Flint, Mich.

Application October 17, 1938, Serial No. 235,305
12 Claims. (Cl. 311—42)

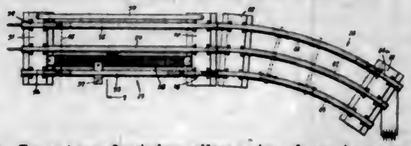


5. In a device of the type described, a platform, extensible interconnected slides rotatably carried thereby, table top sections carried by the slides, said slides and table top sections rotating as a unit on the platform, and means for limiting the rotation of the slides to an arc of 90°.

2,187,424
TOY RAILWAY SYSTEM

Arthur A. Johnson, Bridgeport, Conn.

Application November 24, 1936, Serial No. 112,473
7 Claims. (Cl. 246—31)



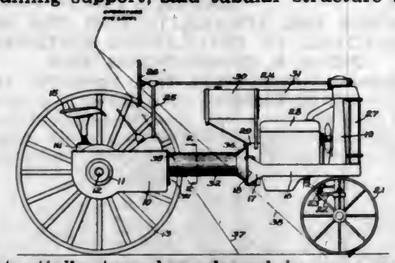
1. In a toy electric railway track system, a substantially straight section of track; a substantially curved section of track; a decelerating track portion intermediate said straight and curved sections, having locomotive-speed reducing means operative when the said portion is traversed by the locomotive from the straight section toward the curved section; and means rendering said speed-reducing means inoperative to reduce the locomotive-speed when the locomotive traverses said decelerating portion from the curved section toward the straight section.

2,187,425
TRACTOR CONSTRUCTION

Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application February 24, 1938, Serial No. 192,204
3 Claims. (Cl. 180—1)

1. In a row-crop tractor having a wheeled front frame structure adapted to straddle a row of plants, and a rear axle structure which carries final drive gearing and wheels spaced to straddle a row of plants during operation of the tractor, and, in combination therewith, an operator's station at the rear and above the tractor, a tubular structure rigidly connected at its front end to the front frame structure and at its rear end to the rear axle structure and forming the sole load sustaining support, said tubular structure being

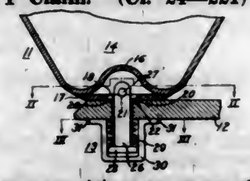


substantially tear-drop-shaped in cross section with a narrow rounded portion at its upper side with the side portions joining each other at an acute angle at the bottom, said structure providing maximum strength to support vertical loads on the frame structure and providing for lines of vision along the side portions of the tubular structure from points laterally of the operator's station and closely adjacent thereto for observing the row of plants straddled by the tractor.

2,187,426
MIXING BOWL FASTENER

Carl Kühnel, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 17, 1937, Serial No. 154,322
In Germany July 18, 1936
1 Claim. (Cl. 24—221)



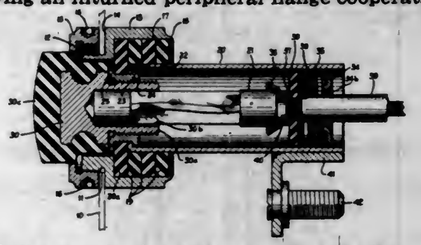
A fastener comprising an upper flat member, a stationary support therefor, said member having an irregularly shaped aperture therein and said support housing a bar at all times projecting through it and said aperture, a lateral projection near the top of said bar above said aperture, and means biasing said bar and projection towards engagement with said aperture to effect engagement of said pin therewith, certain of the side walls defining said aperture gradually sloping towards the upper face of said flat member, and said member having a depression in said face intermediate said side walls, said engagement of said pin selectively occurring either with said sloping side walls or with said depression.

2,187,427
DASHBOARD FUSE MOUNTING

Leslie H. Middleton, Toledo, Ohio

Application September 11, 1937, Serial No. 163,408
7 Claims. (Cl. 200—129)

1. In a dashboard fuse mounting, body means, a cylindrical fuse positioned in the body means, an annular insulating ring attached to the body means, cup-shaped means for attaching the body means to the dashboard, the cup-shaped means having an inturned peripheral flange cooperating

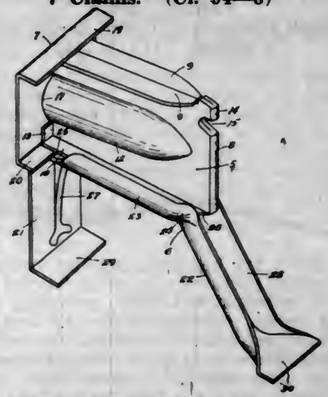


with the annular insulating ring to hold the ring in the cup-shaped means and form a unitary assembly, and contact means cooperating with the body means to engage the terminals of the fuse.

2,187,428
LOAD TRANSMISSION DEVICE

Everett L. Mier, Chicago, and Burr C. Wilcox, Dundee, Ill., assignors to National Road Joint Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 12, 1938, Serial No. 245,154
7 Claims. (Cl. 94—8)



1. A device of the class described, comprising a metallic sheet formed to provide a body having a dowel socket portion including a forward extension, and pair of mounting flanges, a front plate apertured to snugly receive the forward extension of the dowel socket portion, and a stool section of sheet metal formed to provide a supporting leg and a channel in which the mounting flanges of the body are received to maintain an assembled condition of the parts.

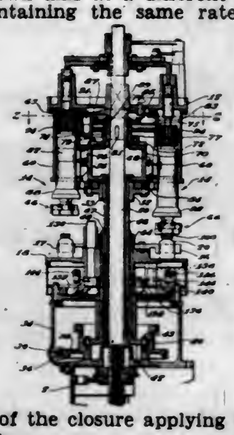
2,187,429
CLOSURE APPLYING MACHINE

William H. Newey, Hingham, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application December 17, 1937, Serial No. 180,341
10 Claims. (Cl. 226—88)

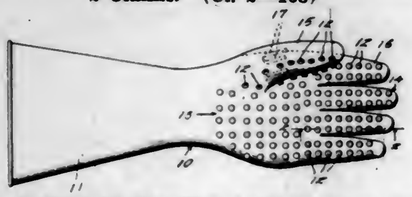
1. In a closure applying machine, in combination, a revoluble closure applying device, container holding means, means for relatively moving the container and the closure applying device toward and from each other, means for effecting rotation of the closure applying device about its own axis at one rate of speed, and means normally inoperative but capable of operation to effect rotation of the closure applying device

about its own axis at a different rate of speed while maintaining the same rate of revoluble



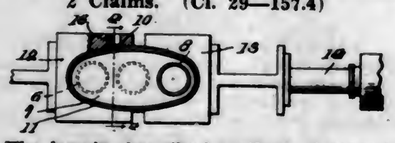
movement of the closure applying device during both speeds.

2,187,430
RUBBER GLOVE
Clifton E. Olmsted and Harold McClary, Tacoma, Wash.
Application February 23, 1938, Serial No. 192,099
2 Claims. (Cl. 2—168)



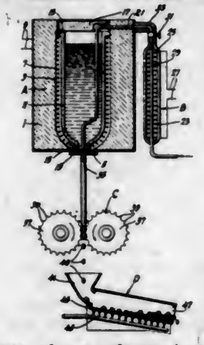
1. A glove for handling articles having glued or like coated surfaces, said glove having a multiplicity of substantial bodied, generally cylindrical, flat ended, separately formed and individually form retentive protuberances on its inner finger, palm and heel portions arranged in relatively close relation to each other and each protuberance having a relatively slight contacting end surface, and a reinforcement in the immediate crotch region between the thumb and forefinger portions of the glove, said reinforcement comprising elongated longitudinal rib-like protuberances.

2,187,431
METHOD OF ASSEMBLING MUFFLERS
Herbert S. Powell, Utica, N. Y.
Application February 3, 1938, Serial No. 188,587
2 Claims. (Cl. 29—157.4)



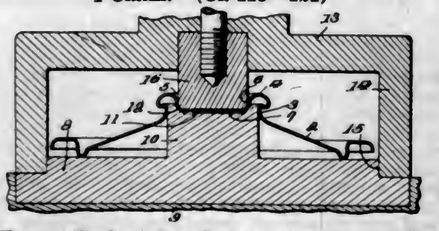
1. The herein described method of assembling mufflers which comprises, forming a baffle and header unit including two headers and at least one wall therebetween, placing sheeting about the two headers and wall to form an encasing shell with edges of the sheeting overlapped to form a full length longitudinal seam, subjecting the shell and the encased unit to pressure of such degree as to tightly grip the unit within the shell and hold the edges in overlapped relation and to retain the aforesaid wall in place without the necessity of welding same to the shell to prevent rattling of the wall in use, while maintaining said pressure application, weld-securing said seam to permanently retain the assembly of the shell and encased unit, and welding said headers and shell together.

2,187,432
PROCESS AND APPARATUS FOR THE MANUFACTURE OF INSULATING MATERIAL
Milton A. Powers, Detroit, Mich.
Application November 11, 1935, Serial No. 49,265
11 Claims. (Cl. 49—1)



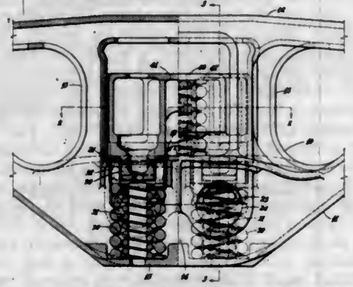
1. The process of manufacturing hollow, sealed containers; comprising continuously forming and flowing a tube of molten material such as glass from an orifice; continuously introducing a gaseous fluid into said tube as it is being formed; successively closing and shearing said fluid filled, hollow tube at intervals along its length while it is in a hot and plastic state, to form a plurality of individual fluid filled containers; and cooling said containers, thereby solidifying the walls of said containers and reducing the pressure of said fluid.

2,187,433
METHOD OF FORMING AN EASY OPENING CONTAINER
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 28, 1937, Serial No. 122,852
1 Claim. (Cl. 113—121)



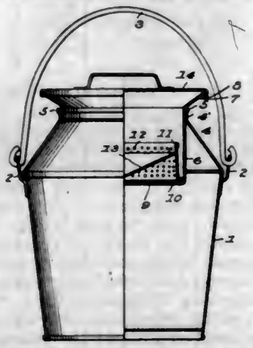
The method of forming a pressure container which may be easily opened consisting in subjecting the metal which is to form the top of the container to a die operation for providing a depression in the end which is defined by a substantially vertical wall, a bottom wall the plane of which is substantially at right angles to the vertical wall, and a portion curved about a center within the depression and joining said vertical wall and said bottom wall, placing the curved portion against a die having the face thereof inclined to the plane of the bottom wall and applying pressure to the outer face of said curved portion and bottom wall in a direction so as to thin the metal in the region of the curved portion and securing the container top to the body of the container in such position that the thinned portion in the top is at the inner extremity of the vertical wall of the top whereby the metal at said thinned portion may be easily ruptured by external pressure and will withstand internal pressure without rupturing.

2,187,434
CAR TRUCK
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application April 22, 1939, Serial No. 269,507
16 Claims. (Cl. 105—193)



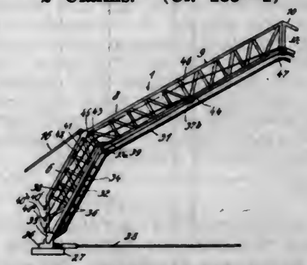
7. In a car truck a side frame having a shelf with an opening therein, spring means on said side frame below said shelf, friction members supported by said shelf and projecting through said opening towards said spring means, a pair of friction shoes supported by said spring means and engaging said friction members, each of said shoes having an inclined plane surface, and a bolster having a lug extending into said opening, said lug having a pair of surfaces engaging said shoe surfaces for urging said shoes into contact with said friction members.

2,187,435
STRAINER
Stefan S. Starzec, Starzec, and Yelmer V. Sims, Ladysmith, Wis.
Application September 23, 1937, Serial No. 165,408
3 Claims. (Cl. 210—155)
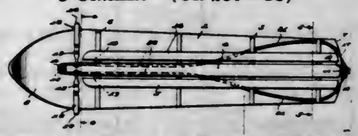


1. A strainer comprising a cylindrical casing having a perforated bottom wall, a perforated band arranged within the cylindrical casing and relatively spaced from the side wall thereof, and a cup peripherally suspended within the perforated band below the upper row of perforations therein, whereby a limited amount of fluid will be retained in the cup and the surplus fluid will flow over the upper edge of the cup through the perforated band and finally through the perforated bottom wall of the cylindrical casing.

2,187,436
PORTABLE STRUCTURE
Georg Thofehrn and Heinrich Rauchholz, Berlin, Germany
Application November 14, 1936, Serial No. 110,912
In Germany November 14, 1935
2 Claims. (Cl. 135—1)



2. In a light-metal portable structure of the kind described, a plurality of portal frames built up of separable units of triangular cross section, each portal frame comprising a pair of members each consisting of a support and a roof girder including an obtuse angle, the two members being arranged to be connected by the inner ends of their roof girders, so that such roof girders include an obtuse angle at the center of the frame, members detachably connected to the portal frames and to each other, for bracing the portal frames with respect to each other, and a fabric suspended within the structure in the immediate vicinity of the portal frames.

2,187,437
TOBOGGAN
Joseph J. Wanat, Wallingford, Conn.
Application April 24, 1939, Serial No. 269,759
3 Claims. (Cl. 280—18)

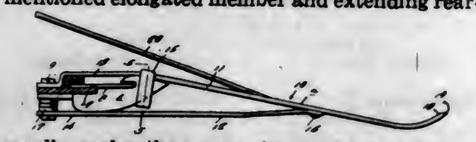


1. In combination, a toboggan having a flat bottom bed, and steering gear for said toboggan comprising a keel strip in the longitudinal center of said bottom having a fractional front portion fixed to said bottom, said strip in the rear of said portion being detached from said bottom and flexible laterally in opposite directions to provide an elongated rudder, and means for flexing said rudder comprising a pair of opposed steering levers pivoted flat on said bed upon opposite sides of the longitudinal center thereof and adjacent to the front end of the bed, and cable connections between said rudder and levers, respectively, and extending along the top of said bed.

2,187,438
SOY BEAN HARVESTER ATTACHMENT
John H. Wilcox, Easton, Md.
Application November 23, 1938, Serial No. 242,073
1 Claim. (Cl. 56—313)

A guard finger for mower guard teeth com-

prising a forwardly extending crop lifting structure consisting of an elongated member having its rear end attached to the mower structure and extending well forwardly of the mower guard teeth with its forward end curved upwardly, a second elongated member having its forward end secured to the intermediate portion of the first mentioned elongated member and extending rear-



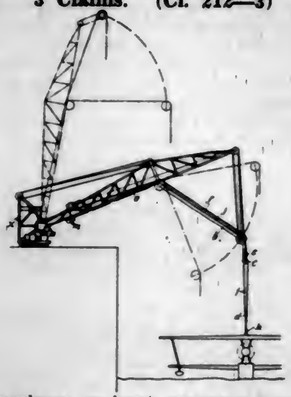
wardly under the mower bar and connected to the under side thereof, a rearwardly extending lifting bar having its forward end secured to the intermediate portion of the upper elongated member and being straight and disposed backwardly in spaced relation above the mower bar, and depending ear members on the first mentioned elongated member adapted to straddle a corresponding mower guard tooth.

2,187,439

CRANE EQUIPMENT FOR THE RECOVERY OF SEAPLANES AND BOATS

William Armstrong Woodeson, Jesmond, Newcastle-on-Tyne, and Walter Midgley, Monkseaton, England, assignors to themselves and Clarke, Chapman & Company Limited, Gateshead-on-Tyne, Durham, England

Application January 14, 1939, Serial No. 251,006
3 Claims. (Cl. 212—3)



1. A seaplane or boat recovery equipment of the character described, comprising in combination with a crane jib and a hoisting winch associated therewith embodying a spring and pawl controlled compensating barrel arranged to slip under certain load conditions, a hoist rope extending from the hoisting winch barrel, a quick release load hook securable to the seaplane or boat, a mechanical coupler between the hoist rope and load hook, said coupler comprising upper and lower engageable portions the upper of which is attached to the hoist rope, a control rope connected at one end to said upper portion of the coupler and reeved around the lower portion of said coupler upon which said lower portion is suspendively supported in vertically movable relation to the upper portion, said control rope being bent back upon itself along the crane jib, and a control winch on the jib to which the opposite end of the control rope is attached, said winch embodying a fluid coupling and being adapted therethrough to control said mechanical coupler.

2,187,440

LOGGING DEVICE

Ernest C. Adolphe, Olney, Oreg.

Application September 6, 1938, Serial No. 228,721
1 Claim. (Cl. 294—74)



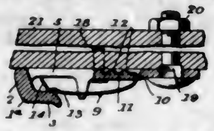
A device of the character described, comprising, a pair of detachable elements adapted for connection within a log hauling device, one of said elements constituting a hook provided with a swiveled housing having an arcuate shaped passage extending therethrough to slidably accommodate a length of cable for supporting a log in clamped and suspended condition, said hook having a throat in proximity to said housing and defined by a pair of spaced laterally disposed keys, and the other of said elements constituting a D adapted for connection with an end of said cable and provided with sides formed with keyways having sections of a dimension receivable through said throat, said D provided with a top portion connecting said sides together in spaced parallel relation and connected to and within said hook subjacent said throat to secure said length of cable about a log and to preclude accidental detachment of said D from said hook when said log is supported in said clamped and suspended condition and to permit intentional detachment of said D from said hook only when said cable is slid through said housing and slackened about said log.

2,187,441

SNAP HOOK

John B. Baxter, Troy, N. Y., assignor to The Covert Manufacturing Company, Troy, N. Y., a corporation of New York

Application April 12, 1938, Serial No. 201,601
6 Claims. (Cl. 24—236)



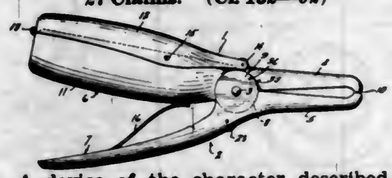
4. A snap hook including a body part of elongated plate-like form of substantial width adapted to lie flat against a supporting surface and having a hook at one end thereof with support engaging portions extending longitudinally along either side of the hook, the hook having a shank portion projecting outwardly from the front face of the body part, and having a bill portion extending alongside the body part toward the rear end thereof, said body part being provided with a recess in its rear side and with a relatively narrow slot extending from its front face to said recess, the recess extending rearwardly of said slot, and the bottom wall of the recess extending at an angle to the side walls of the slot, and a spring tongue to cooperate with the hook, said tongue having the main part thereof disposed above the body part and having a rear end portion extending at an angle to the main part thereof downwardly through said slot to said recess, and said tongue having a portion extending rearwardly from the last mentioned portion at an angle thereto secured against the bottom wall of said recess.

2,187,442

DENTAL FLOSS HOLDER

John B. Beach, Washington, D. C.

Application April 28, 1938, Serial No. 204,863
27 Claims. (Cl. 132—92)



1. A device of the character described comprising mechanical means to maintain a length of dental floss in a taut condition, and other mechanical means to feed fresh floss to said first mentioned means.

2,187,443

PLOW OR COLTER DISK

Charles W. Beamer, Mojave, Calif.

Application June 6, 1939, Serial No. 277,709
3 Claims. (Cl. 97—217)



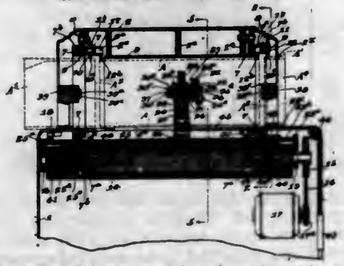
1. A plow disk comprising a disk proper having a beveled peripheral edge, an annular cutting rim having a sharpened peripheral outer edge and a beveled inner peripheral edge to match the beveled edge of the disk proper, and an annular flange formed on the rim and positioned inwardly of the inner beveled edge of said cutting rim to form a seat for the disk proper.

2,187,444

FULL AUTOMATIC PLATE-FINISHING MACHINE

Herbert C. Behrens, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application April 19, 1937, Serial No. 137,863
27 Claims. (Cl. 29—21)



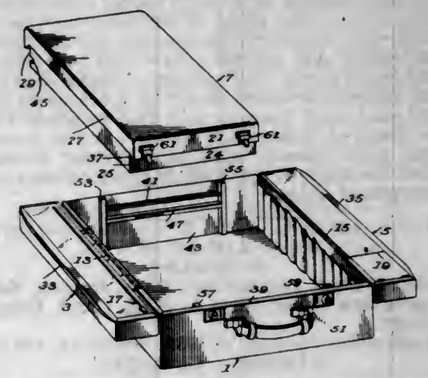
1. In a finishing machine for stereotype tubular plates, a cylindrical holder adapted to receive the plate, said holder having a longitudinal gap; means at the ends of the holder for severing the ends of the plate; a carriage extending through the gap and reciprocably mounted with respect to the holder; plate boring mechanism carried by the carriage means for actuating the severing means; means disposed exterior to the holder for supporting and for moving the carriage on the cutting stroke of the boring mechanism; and means at the end of said cutting stroke for reversing the movement of the carriage.

2,187,445

TRAVELING CASE

Martin de Botelho, New York, N. Y.

Application November 17, 1937, Serial No. 175,153
4 Claims. (Cl. 190—51)



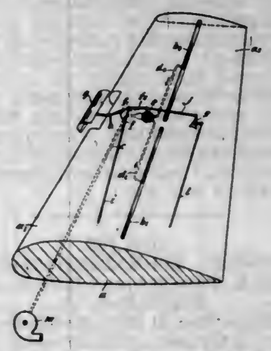
4. A traveling case comprising a box-like main body portion open on one side; two compartments connected to said body portion adjacent the opposite ends respectively of the open side and each being movable to a position overlying a portion of the open side; and a removable section formed by a tray with a cover hinged thereto, and having lateral sides arranged on said cover to extend beyond the limits of the tray, said removable section being fitted into the top of said body portion so that its cover together with the said two compartments serves as the top covering for said body portion on its open side with the tray lying within the main body portion and two of the lateral sides of said cover resting upon the upper edges of the front and rear sides respectively of said body portion.

2,187,446

DEFLECTION-PREVENTING ARRANGEMENT IN AIRPLANES

Rudolf Busselmeier, Berlin, Germany, assignor to Bayerische Flugzeugwerke A. G., Augsburg, Germany, a German company

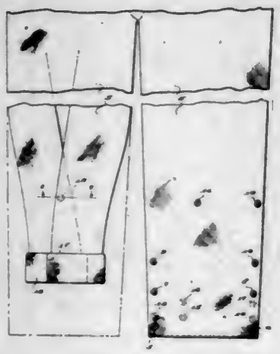
Application September 20, 1938, Serial No. 230,877
In Germany September 20, 1937
5 Claims. (Cl. 244—40)



1. In an airplane wing having inner wing sec-

tions of relatively thick profile, and outer wing sections of relatively thin profile, in combination, a distributor valve device, at least one passage leading from said distributor valve device to the surface of said sections of relatively thick profile, at least one further passage leading from said distributor-valve device to the surface of said sections of relatively thin profile, suction producing means, a main suction passage connecting said suction producing means with said distributor valve device, a control device responsive to alteration of the angle of incidence of the airplane wing, and connecting means for operatively connecting said control device with said distributor-valve device, the connection being such that said distributor valve device is operated to connect said main passage with said passages when the angle of incidence is smaller, and to connect said main passage with said further passages when the angle of incidence is greater than a predetermined value.

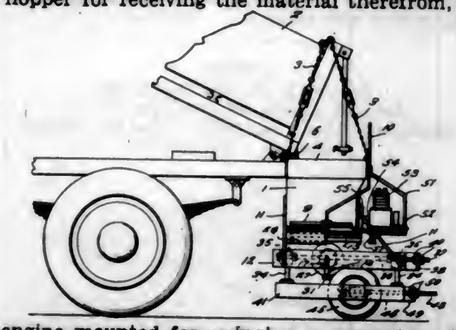
2,187,447
OVERALLS
Julius I. Chait and Herman Raak, Omaha, Nebr., assignors of one-third to H. G. Chait, Omaha, Nebr.
Application January 3, 1939, Serial No. 249,105
2 Claims. (Cl. 2—227)



1. A pair of trousers comprising a leg, opposed pairs of exteriorly located fasteners on said leg adjacent diametrically opposite sides thereof, respectively, spaced longitudinally of the leg at the bottom thereof and complemental in each pair, whereby said bottom may be rolled and connected together to form an exterior single cuff thereon, and opposed pairs of fasteners on said leg at diametrically opposite sides thereof, respectively, spaced longitudinally of the leg and complemental in each pair, the fasteners in the second-mentioned pairs alternating with those of the first-mentioned pairs higher up on said leg and each of the second-mentioned pairs of fasteners comprising an exteriorly and an interiorly located fastener, respectively, whereby said leg may be rolled and the complemental fasteners of the second-mentioned pairs secured together to form a double cuff on said leg.

2,187,448
MATERIAL SPREADING MACHINE
Francis E. Currivan and Carl W. Brown, Brattleboro, Vt.
Application May 9, 1939, Serial No. 272,700
2 Claims. (Cl. 275—8)

1. A material spreading machine comprising a hopper, means for securing said hopper to a vehicle body for receiving material therefrom, a spreading disc rotatably mounted beneath the hopper for receiving the material therefrom, an



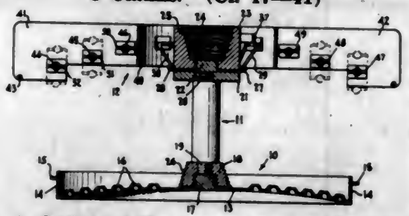
engine mounted for swinging movement on the hopper, and a wheel mounted on the engine for actuation thereby and frictionally engageable with the spreading disc for rotating said disc.

2,187,449
WRIST-ATTACHED CAMERA
Kieth M. French, Watertown, N. Y.
Application August 6, 1938, Serial No. 223,536
11 Claims. (Cl. 95—40)



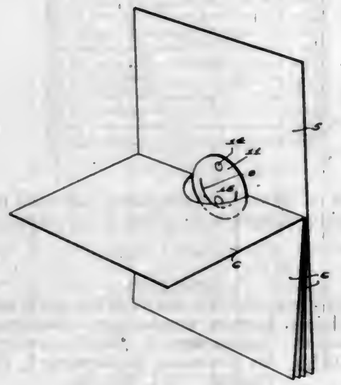
1. A wrist camera comprising a camera frame including a curved back adapted to conformably fit the curvature of the wrist of a person, means for collapsibly mounting a camera in the frame and wrist attaching means secured to the frame.

2,187,450
ORNAMENTAL FLOWER HOLDER
Ernest C. Gebs, New York, N. Y.
Application December 20, 1937, Serial No. 180,907
3 Claims. (Cl. 47—41)



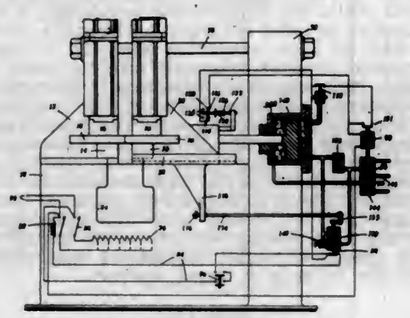
1. A device of the type described comprising a base portion, an upright supporting member firmly but removably associated with said base, a super-structure adapted to be carried on and supported by said upright member, said superstructure comprising a substantially cylindrical member, internally dependent arms adapted to be received in and cooperate with formations on said upright member, a pair of radially extending arms positioned on the outer part of said substantially cylindrical member, said arms being positioned substantially diametrically with respect to each other on said member, annular members carried on said arms positioned concentrically with respect to each other and with respect to said substantially cylindrical member, said annular members being adapted to receive and hold flowers and the like positioned therebetween.

2,187,451
FOLDER
Donald E. Gilson, Maplewood, N. J.
Application March 8, 1939, Serial No. 260,628
6 Claims. (Cl. 281—15)



1. An article of manufacture comprising a back and one or more sheets connected thereto, each such sheets being folded at its intermediate portion, each of said sheets being slitted at each side of its fold line with non-registering slits to define a pair of flaps and means connecting the flaps to the back.

2,187,452
ELECTRIC FLASH WELDING MACHINE
Samuel Hunter Gordon and William Forbes Young, Inverness, Scotland
Application November 16, 1938, Serial No. 240,870
In Great Britain November 17, 1937
11 Claims. (Cl. 219—4)



1. In an automatic electric flash welding machine, in combination, fluid operated feeding means, means for reversing the direction of movement of said feeding means, and a device responsive to the alteration of fluid pressure in said feeding means, consequent on the meeting together of the workpieces, for bringing said reversing means into action.

2,187,453
PROCESS FOR PRODUCING DYEINGS
Charles Graenacher, Riehen, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 5, 1938, Serial No. 217,633. In Switzerland July 10, 1937
10 Claims. (Cl. 8—49)

1. Process for producing dyeings by means of water-soluble acyl derivatives of sparingly soluble dyestuffs which contain in the acyl radical the group lending solubility in water by treating such acyl derivatives on substrata with saponifying agents, comprising effecting the saponification with alkaline agents in the presence of water-soluble salts which reduce the solubility of the acyl derivatives.

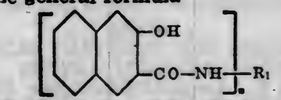
2,187,454
BOTTLE CAP
George H. Hutaff, Jr., Wilmington, N. C.
Application January 28, 1938, Serial No. 187,519
2 Claims. (Cl. 215—46)



2. A bottle cap including a depending flange having a vertically extending opening from its bottom edge and a line of indentations or perforations extending for a portion of the circumference of the flange from one side of the opening at its inner end, and a tab or tongue connected for a portion of its length to the bottom edge of the flange at that side of the opening from which the line of indentations or perforations extend, the remaining portion being free, said tab or tongue being turned upwardly to extend parallel with the flange within the confines of the top and bottom edges of the flange and with its free portion overlying and extending beyond the vertically extending opening in the flange and the said free portion of the tab adapted to be bent outwardly from its normal parallel position with the flange to provide a projecting finger grip for use in tearing the flange from the vertically extending opening along the line of indentations or perforations.

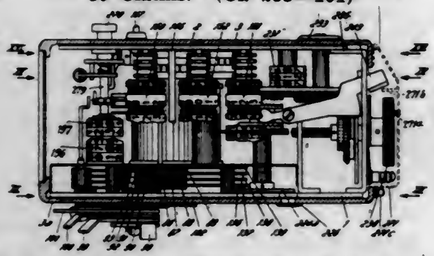
2,187,455
ARYLIDES OF 2,3-HYDROXYNAPHTHOIC ACID
Walter Kern, Sissach, and Richard Tobler, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 21, 1938, Serial No. 209,376. In Switzerland June 2, 1937
4 Claims. (Cl. 260—560)

1. The arylides of the 2,3-hydroxynaphthoic acid of the general formula



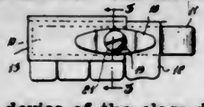
wherein R_1 stands for aryl radicals selected from the group consisting of the chrysene and pyrene series, and n for the figures 1 to 2, which products are characterized by an excellent affinity for the vegetable fiber.

2,187,456
PRINTING APPARATUS
Erich Komusin, Frankfort-on-the-Main, Germany, assignor to Telefonbau und Normalzeit G. m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany
Application March 22, 1938, Serial No. 197,343
In Germany March 22, 1937
59 Claims. (Cl. 235—101)



1. Apparatus for printing monetary amounts comprising a casing, a printing drum mounted for rotation in said casing and provided with a plurality of adjustable type carriers adapted, when said printing drum is rolled, to print the desired amounts, said casing having mounted in and on it, an actuating drum provided with a plurality of sets of gear teeth and adapted to be rotated on rotation of said printing drum, means for adjusting the number of teeth in said sets in accordance with the setting of said type carriers, a meter actuated by said sets of gear teeth on rotation of said actuating drum, means for holding said printing drum against rotation, manually operable means for making said holding means ineffective, means for setting the apparatus for the printing of amounts representing a predetermined aggregate value, locking means for making said manually operable means ineffective when the aggregate value of the printed amounts reaches said predetermined figure and means for operatively connecting said locking means alternatively to said setting means or to said meter.

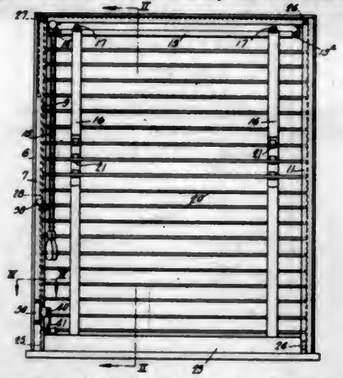
2,187,457
DENTAL PARTIAL PLATE HOLDER
Charles D. Kreps, Hazel Crest, Ill.
Application January 26, 1939, Serial No. 252,989
3 Claims. (Cl. 32—5)



1. A dental device of the class described comprising a bar, a stud projecting forwardly from the bar, a plate spaced from the bar by said stud, screw means securing the plate to the bar, artificial tooth means clamped to the bar by one end portion of the plate under the action of the screw means, the plate at the other end portion extending beyond the tooth means and adapted jointly with the bar and screw means to clamp against opposite faces of a tooth.

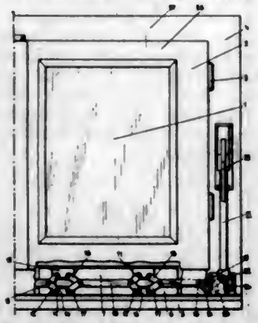
2,187,458
HOUSING FOR VENETIAN BLIND OPERATING MECHANISM
Fred E. Lawson, Philadelphia, Pa.
Original application May 7, 1937, Serial No. 141,225. Divided and this application March 3, 1939, Serial No. 259,642
3 Claims. (Cl. 156—17)

1. In a device of the character described, a reel mechanism, a housing for said mechanism formed from a flat blank, said blank having sections so arranged that the blank may be deformed in one



direction to effect a right-hand housing and in an opposite direction to effect a left-hand housing.

2,187,459
PRESSURE SEAL FOR WINDOWS AND DOORS
Helmuth Lorenz, Dusseldorf, Germany
Application September 1, 1937, Serial No. 161,919½. In Germany September 7, 1936
3 Claims. (Cl. 20—68)

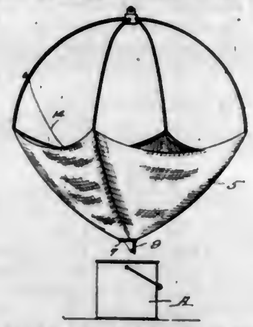


1. A weather-strip device for a casement window or its equivalent, said device being disposed on the sill of the window and comprising a first channeled member arranged horizontally on the sill with its limbs extending upwardly, a second channeled member arranged with its limbs extending downwardly and externally overlapping the upwardly extending limbs of said first member to form a passage therebetween, link mechanism within said passage operative to raise and lower said second channeled member whilst maintaining the limbs of the two members in overlapped relationship, and means external to the passage for actuating said link mechanism, whereby said second member when raised will press against the under surface of said window when the latter is in closed position.

2,187,460
MINNOW NET
George W. McIntire, Pottsville, Pa.
Application September 27, 1938, Serial No. 231,986
1 Claim. (Cl. 43—7)

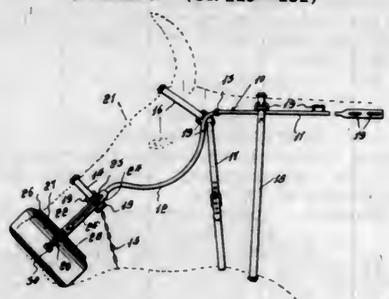
In a minnow net, a mesh body portion having a discharge opening in the bottom thereof, ring members secured to the body portion and adapted to clamp the material of the body portion at the

opening, a perforated closure hingedly connected with one of the ring members and adapted to swing within the ring members closing the discharge opening, a keeper mounted on the closure, a pivoted latch member secured to one of the ring members, a spring for normally holding the latch member into engagement with the keeper holding



the closure in its closed position, a wire connected with the pivoted latch member and extending to a point remote from the body portion, said wire member adapted to be operated to release the pivoted latch member, and said closure adapted to swing to its open position under the weight of the minnows in said net, releasing the minnows.

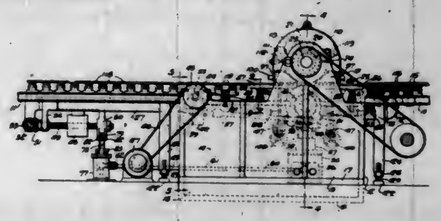
2,187,461
COW SUCKING PREVENTER
Louis Forrest Mott, Big Spring, Tex.
Application April 21, 1938, Serial No. 203,422
5 Claims. (Cl. 119—131)



1. In a device of the class described, corresponding supporting members formed of pivotally connected sections and adapted to be connected to the head harness of an animal to be supported thereby at opposite sides of the animal's head, guards pivotally connected to corresponding ends of said members and adapted to be disposed at opposite sides of the animal's mouth, and contractile spring means normally holding said guards out of engagement with the mouth.

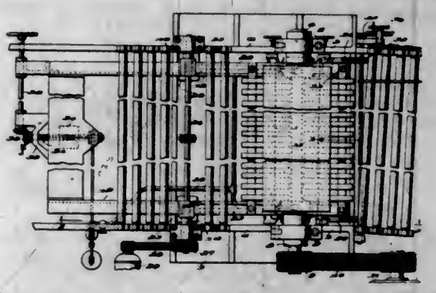
2,187,462
POLISHING MACHINE
David E. Mulholland, Reading, Pa.
Application November 2, 1936, Serial No. 108,846
44 Claims. (Cl. 51—78)

5. A machine for polishing metal sheets and the like, including a polishing roll, a work supporting roll, means for rotating the work supporting roll, fluid pressure means for moving the work supporting roll toward the polishing roll, and an adjustable stop for limiting the extent of movement of said work supporting roll toward the polishing roll.



25. In a machine for polishing metal sheets and the like, the combination with work supporting means, a rotatable polishing roll having a substantially inflexible polishing surface containing abrasive grains, a hood for said roll, and means disposed within said hood for forcibly projecting a fluid medium against the surface of the roll substantially normal thereto for removing loose particles of abrasive grit and other waste material adhering thereto.

2,187,463
POLISHING MACHINE
David E. Mulholland, Reading, Pa.
Application April 19, 1938, Serial No. 202,979
11 Claims. (Cl. 51—78)

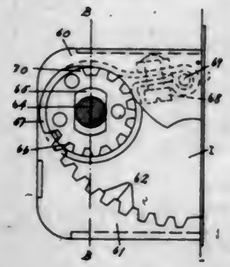


1. A machine for polishing metal sheets and the like including a rotatable polishing wheel having a substantially unyielding surface, guiding means carried by said machine and positioned on opposite sides of said polishing wheel for maintaining the work substantially in a single plane, and means disposed beneath said wheel for maintaining the work in engagement therewith, said means including a driven roll and a work supporting roll in frictional engagement with the driven roll interposed between the latter and the polishing wheel said driven roll and work supporting roll being substantially of equal length, said work supporting roll being of small diameter as compared with the polishing wheel and having a relatively yielding surface adapted to be compressed under normal working loads against the work for controlling the rate of travel of the work past the polishing wheel.

2,187,464
HINGE
Eric Sigfrid Persson, Malmo, Sweden
Application April 14, 1938, Serial No. 202,117
In Sweden August 30, 1937
3 Claims. (Cl. 16—140)

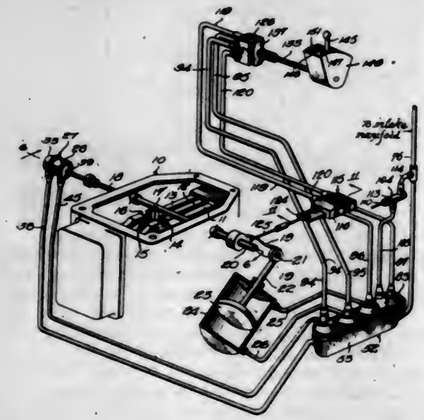
1. In a window having a frame and a sash, a

curved tooth-rack fixedly attached to said frame at one side thereof, a wheel non-rotatably attached to said sash at one side thereof at about the middle of the height of the sash, teeth around the periphery of said wheel occupying part of



the width thereof in a position to mesh with said tooth-rack, a brake band encircling said wheel, said brake band being swingably connected to the frame, and adjusting means on said brake band for adjusting the braking effect thereof.

2,187,465
GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES
Virgil F. Simonick, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application September 9, 1936, Serial No. 100,020
13 Claims. (Cl. 74—334)



1. A gear shifting mechanism for a motor vehicle having a transmission provided with a plurality of parallel longitudinally shiftable members, comprising an operator selectively operable for shifting either of said members, a motor including a movable element operable for selecting said members for actuation, means biasing said element in one direction to select one member for actuation, control means for effecting actuation of said motor to move said element in the opposite direction, means normally limiting the movement of said element in said last named direction to a position selecting a second member for actuation, means for rendering said limiting means inoperative to release said element for movement by said motor to a third position selecting a third member for actuation, and means for operating said operator to actuate the selected member.

2,187,466
APPARATUS FOR TREATING HYDROCARBON OILS
Charles W. Stratford, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware
Application April 8, 1938, Serial No. 200,923
2 Claims. (Cl. 210—51)



1. A settling apparatus for separating acid sludge from acid treated hydrocarbon oils, including in combination an elongated, horizontal vessel of substantially cylindrical cross sectional shape, said vessel being formed with an inclined bottom, a sump communicating with said vessel adjacent the low point of said bottom, an inlet pipe for leading a mixture of hydrocarbon oil and acid into the vessel, a first manifold communicating with said inlet pipe, a pair of manifolds communicating with said first manifold and a third manifold communicating with said pair of manifolds, said third manifold being positioned adjacent the bottom of said vessel and provided with outlet openings, an eduction manifold positioned adjacent the top of said vessel for removing hydrocarbon oil free of acid therefrom, an eduction pipe communicating with said sump, a valve controlling said eduction pipe, and means responsive to the hydrostatic pressure of liquid within said vessel for controlling said valve.

2,187,467
CEVITAMATE SOLUTION
Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application February 11, 1939, Serial No. 256,008
7 Claims. (Cl. 167—81)

1. An aqueous solution of a cevitamate of a base of the class consisting of the alkali metals, the alkaline-earth metals, ammonium, and the lower-alkyl-substituted amines, which solution also contains a sulfur-containing reducing agent of the class consisting of sulfur dioxide, sulfur-containing acids which are capable of yielding sulfur dioxide, and soluble salts of such sulfur-containing acids.

2,187,468
PROCESS OF TREATING MOLYBDENUM ORES AND PRODUCTS RESULTING THEREFROM
John D. Sullivan and Dimitry Niconoff, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application September 3, 1938, Serial No. 228,449
6 Claims. (Cl. 23—24)

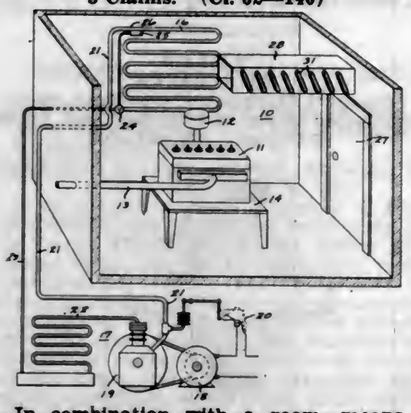
1. In a process of recovering molybdenum substantially free from sulfate from materials containing molybdenum and sulfate sulfur, the combination of steps comprising leaching said material with a solution of an alkali metal compound to form an alkaline solution of an alkali metal molybdate and sulfate, adding to the said molybdate solution a compound of an element from the group consisting of barium and strontium, said compound being substantially free from molybdenum and being added in an amount insufficient to precipitate all of the sulfate present but sufficient to reduce the sulfate sulfur content of the solution below 20 grams per liter substantially without precipitating molybdenum, separating the solution from the precipitated sulfate, and precipitating up to 90 per cent of the molybdenum content of the solution substantially free from sulfate.

2,187,469
METHOD OF MAKING FIGURED FABRICS
Hugh J. Carragher, Brooklyn, Conn., assignor to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application March 12, 1938, Serial No. 195,428
2 Claims. (Cl. 139—391)



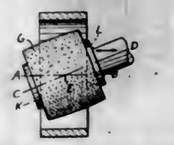
1. A method of making figured fabric which includes the steps of interweaving figure warps with the ground wefts of the fabric, floating the figure warps over the face of the fabric for a distance at both sides of the location of such interweaving, passing the figure warps through the fabric without interweaving at the ends of such floats, floating such figure warps over the back of the fabric until again passed through to the face to form the face floats, cutting the back floats, and causing the cut ends of the figure warps to pull through the fabric to the face thereof.

2,187,470
REFRIGERATING APPARATUS
Harry A. Collins, Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 16, 1937, Serial No. 120,996
3 Claims. (Cl. 62—140)



3. In combination with a room, means for maintaining a relatively low temperature in said room, means for removing moisture from air entering said room comprising a fresh air inlet duct disposed within said room having transverse ducts passing through the inlet duct and provided with inlets and outlets communicating directly with said room through which room air circulates whereby the fresh air is caused to flow in thermal exchange relationship with the relatively cold room air before mixing therewith.

2,187,471
GRINDING
Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 3, 1937, Serial No. 172,573
16 Claims. (Cl. 51—278)



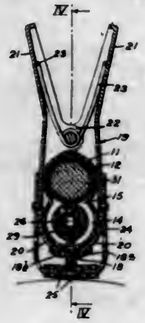
1. The method of abrading a surface of revolution on a work-piece, which consists in rotating the piece on its axis, presenting an abrading member to the surface along substantially the whole length thereof, and causing the abrading member to move obliquely of the work surface at its place of contact therewith by inclining the axis of the abrading member at an angle substantially less than 45 degrees to the work axis, and rotating the abrading member on its axis while maintaining the axis in a plane always lying on the same side of the work axis and parallel to the work axis; substantially as described.

2,187,472
MULTIPLE SEAL SPARK PLUG
Armen A. Kasarjian, Jackson Heights, N. Y., assignor to Mosler Ignition Corporation, New York, N. Y., a corporation of New York
Application August 4, 1937, Serial No. 157,267
23 Claims. (Cl. 123—169)



1. A spark plug comprising a bushing provided with a coaxial passage therethrough, a center electrode extending through the bushing, a plurality of relatively soft compression members of different metals having different coefficients of heat conductivity surrounding the center electrode, and electrically insulated therefrom, and relatively hard wedging means acting upon the several compression members and upon the bushing to form a multiple seal axially of the plug.

2,187,473
APPARATUS FOR PERMANENTLY WAVING HAIR
Ralph M. Keele, San Francisco, Calif., assignor, by direct and mesne assignments, to Keelmo Co., San Francisco, Calif., a corporation of California
Application May 16, 1936, Serial No. 80,128
23 Claims. (Cl. 132—36)



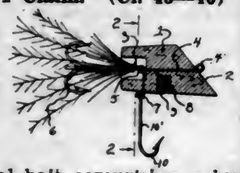
1. A hair waving apparatus comprising a heater unit including a hollow casing, the interior of which forms a heating chamber and a curling chamber lying side by side in parallelism and in direct communication, said casing being divided longitudinally of the curling chamber to form a pair of opposed clamping lips at one side of said chamber which may be spread apart to open the curling chamber for the insertion of a curler spindle, said casing being formed of resilient material, and an exothermic heating element removably fitting within said heating chamber, said element being insertable into said chamber through said division of the curling chamber.

2,187,474
APPARATUS FOR HAIR WAVING
Ralph M. Keele, San Francisco, Calif., assignor, by direct and mesne assignments, to Keelmo Co., San Francisco, Calif., a corporation of California
Application May 16, 1936, Serial No. 80,129
Renewed June 13, 1938
9 Claims. (Cl. 132—36)



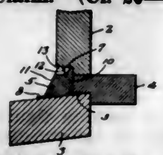
1. A heater unit for hair waving apparatus comprising a hollow casing, the interior thereof forming a curling chamber in which a curler may be disposed, said casing being divided longitudinally of said curling chamber to form opposed clamping lips at one side of said chamber, a pair of opposed clamping members arranged parallel to and in alignment with said lips and spaced a distance outwardly therefrom, and a frame operatively associated with said clamping lips and with the said clamping members to manipulate the same in unison.

2,187,475
ARTIFICIAL BAIT
Anton J. Lauby, Marshfield, Wis.
Application August 27, 1938, Serial No. 227,121
1 Claim. (Cl. 43—46)



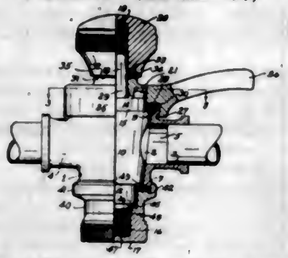
An artificial bait comprising a buoyant elongated solid body, and a pull wire centrally embedded therein from end to end, said wire having a loop intermediate its ends for the attachment of hooks, the wire being bent at a right angle from said loop and extending transversely through the body, the right angle end terminating with another loop for the attachment of a second set of hooks.

2,187,476
WEATHER STRIP
Russell L. Mounsdon, Alexandria, Minn.
Application January 13, 1939, Serial No. 250,829
1 Claim. (Cl. 20—69)



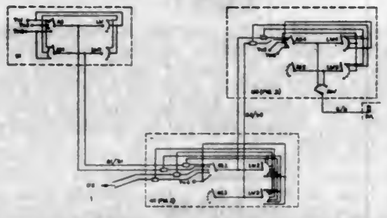
In a window structure, a sill, a sash movable to open and to close the window opening and having a bottom undercut along its front edge, a stool cap section on said sill extending part way under said sash when the latter is closed, said section fitting flush against the bottom of said sash to said undercut and terminating in an outer vertical edge, and a bar-like weather strip extending along said sill in front of said section for engagement of the sash therewith when closed, said strip having a vertical straight inner face fitting flush with the outer edge of said section and with the rear wall of said undercut, a flat top fitting against the top wall of said undercut, and an outer face inclining outwardly from said top, the top of the strip having a longitudinally extending channel therein and transverse drain grooves therein extending from said channel to said outer face of the strip.

2,187,477
STOP VALVE
George J. Oestreicher, Cleveland, Ohio
Application March 14, 1938, Serial No. 195,667
5 Claims. (Cl. 251—97)



1. A stop valve comprising a body having an inlet passage, an outlet passage, and a plug receiving bore which is open at both ends, a valve plug received in said bore from one end and having head and tail portions at its ends, caps for the ends of the body, respectively, and having shoulders facing toward the ends of the body, respectively, compressible washers received between the caps and the ends of the body, respectively, said washers embracing the said plug portions, respectively, said plug having threaded portions extending outwardly of the body beyond the caps endwise of the plug, respectively, and jam nuts in threaded engagement with the said extending ends of the plug and engaging said caps, respectively, and operable for moving the caps relatively toward each other when the jam nuts are screwed toward each other.

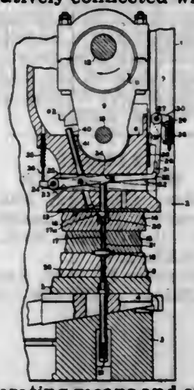
2,187,478
AUTOMATIC TELEPHONE SYSTEM
Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany
Application July 22, 1937, Serial No. 154,967
In Germany July 30, 1936
23 Claims. (Cl. 179—26)



1. In a switching system serving a plurality of lines, a finder switch, a connector switch, means responsive to a call over any of said lines for causing said finder to seize the calling line and extend it to said connector and also for causing said connector to set its wipers upon said calling line, means for characterizing in said connector any of said lines to which it is desired that said connector shall extend a connection, said connector effective responsive to said characterization if the line with which said wipers are associated is so characterized to complete a connection to that line regardless of its condition or, alternatively, if the line with which said wipers are associated is not so characterized to move said wipers to said characterized line and complete a connection thereto if said characterized line is idle.

2,187,479
EJECTOR MECHANISM FOR METAL FORMING PRESSES
Henry A. Zwierlein, Euclid, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 3, 1938, Serial No. 243,836
11 Claims. (Cl. 78—39)

1. In a forging press including a frame, a reciprocable ram, means for driving the ram, a die carried by the ram, and an ejector for work formed by the die carried by the ram; means for operating the ejector and comprising ejector operating means carried by the ram and movable concurrently therewith and relative thereto, and operative, when moved in one direction relative to the ram, to operate the ejector on its ejecting stroke, means operatively engageable with the ejector operating means upon initial movement of the ram on its return stroke for moving the ejector operating means in the work ejecting direction to partially eject the work, and additional means operatively connected with the ram and



the ejector operating means and operated by continued movement of the ram on its return stroke to eject the work farther.

2,187,480
WELL CEMENTING APPARATUS
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application December 12, 1938, Serial No. 245,238
10 Claims. (Cl. 166—1)



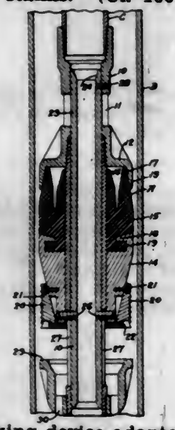
1. In combination with a well casing having a lateral discharge port formed therein, stop means mounted within the casing adjacent said port, a tubular cementing mandrel having a normally open bore and a lateral discharge passage formed in its side wall to communicate with said bore, said mandrel being adapted to be lowered into the casing at the lower end of a string of tubing, a one-way latch on the mandrel adapted to ratchet past said stop means during upward travel of said mandrel and to engage said stop means during downward travel thereof to arrest said mandrel in a cementing position to bring its discharge passage into cementing alignment with the discharge port of the casing, means normally restraining said latch in inactive position to permit an initial lowering of the mandrel past said stop means, tubular valve means normally closing the lateral discharge passage of the mandrel and slidably mounted in the bore thereof and permanently connected with the latch restraining means, means for retaining

said valve means in normal position, and tripping means adapted to be sent down the tubing string to close the bore of said valve means to effect a building up of fluid pressure within the tubing string, said pressure increase being effective to disable said retaining means and translate the tubular valve to open the discharge passage of the mandrel and to at the same time trip the latch restraining means.

2,187,481
WELL PACKER

Reuben C. Baker, Coalinga, and Clarence E. Burt, Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application December 12, 1938, Serial No. 245,239
7 Claims. (Cl. 166—12)



1. In a packing device adapted to be attached to and lowered into a well casing by a string of tubing and having a normally open fluid passage for receiving fluid pumped through said tubing and for discharging said fluid into said casing, a tubular body having a lateral discharge port, an annular packing cup slidable on said body below said discharge port and having an expansible longitudinally extended marginal lip, a packing restraining means carried by the body between said discharge port and said packing and normally surrounding and engaged over said lip to restrain it against expansion, a tubular valve means connected to said packing and normally closing said discharge port, said valve means forming a portion of said fluid passage and being slidable within the bore of the body, connecting means capable of being released normally maintaining said valve means in closed position, and a closure adapted to be sent down the tubing string to close the bore of said tubular valve means to cause a build up of fluid pressure in said fluid passage above said closure, such pressure being effective to release said connecting means and actuate said valve means to translate said packing cup free from said lip restraining means and to subsequently open said discharge port.

2,187,482
CEMENT RETAINER

Reuben C. Baker, Coalinga, and Thomas M. Ragan, Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application December 12, 1938, Serial No. 245,240
19 Claims. (Cl. 166—12)

1. In a device of the character disclosed, the combination of a body providing an axial flow passage and adapted to be attached to the lower end of a string of tubing and lowered into a well casing, an annular packing cup carried by said body and having an expansible longitudinally extended marginal lip, a packing restraining means normally surrounding and removably en-



gaged over said lip to restrain it against expansion, and means including means cooperable with said flow passage to enable an increase in the pressure of fluid therein whereby to effect a separation of said packing and said packing restraining means to release said lip for engagement with the casing wall.

2,187,483
WELL CEMENTING APPARATUS

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application April 21, 1939, Serial No. 269,135
26 Claims. (Cl. 166—1)

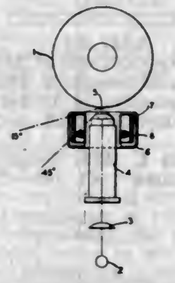


1. In combination with a well casing having a lateral discharge port formed therein, a cementing mandrel adapted to be lowered into the casing by a string of tubing and provided with a lateral discharge passage for discharging cement from said tubing, and means having complemental latch elements respectively disposed on said mandrel and within the casing adjacent its discharge port, said elements permitting upward travel of the mandrel and tubing and cooperating to arrest downward travel thereof to dispose said mandrel at a position to discharge cement from the tubing and through the discharge port of the casing.

2,187,484
PHOTOELECTRIC TUBE

Harry M. Biele, Hollis, N. Y., assignor to Associated Press, New York, N. Y., a corporation of New York

Original application February 10, 1938, Serial No. 189,773. Divided and this application August 20, 1938, Serial No. 225,868
1 Claim. (Cl. 250—165)

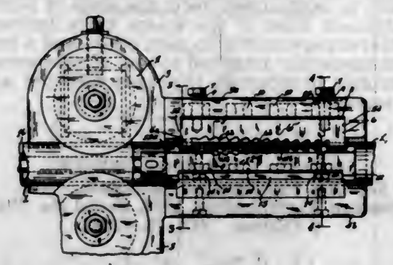


A photoelectric tube including a tubular double-walled vessel forming an unobstructed longitudinal passage therethrough and having a transparent window, an open ended tubular cathode having a continuous photo-sensitized surface the active area of which is a portion thereof to be exposed to light when in use, said cathode being mounted in said vessel substantially concentrically with said passage, and an anode in said vessel surrounding said passage adjacent the end of said active area and lying within said cathode.

2,187,485
APPARATUS FOR FINISHING WELDED TUBING

John B. Borgadt, East Cleveland, Ohio

Application October 9, 1935, Serial No. 44,224
5 Claims. (Cl. 90—33)



5. In an apparatus for finishing welded tubing and including means for feeding the tubing along a predetermined path, means for effecting removal of excess metal from the external surface of the tubing in the region of the seam of the tubing and comprising a support, a frame carried thereby and adjustable to different positions thereon, said frame and support having cooperating guide surfaces for supporting and guiding the frame during adjusting movement and constraining the frame to movement normal to the axis of the tubing and in an arcuate path coaxial with the tubing, means for securing the frame in adjusted positions, and cutting means carried by the frame and held thereby in cutting engagement with the outer surface of the tubing..

2,187,486
FORMATION TESTING METHOD AND APPARATUS

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application December 12, 1938, Serial No. 245,243
19 Claims. (Cl. 166—1)

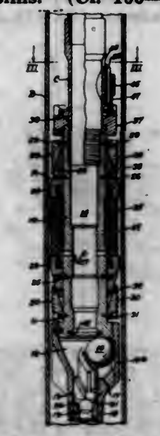


11. A wet test-string method of formation testing which comprises packing off the test string above the formation to be tested and circulating a motivating fluid down the test string to discharge into the well bore above said pack-off to create a suction influence tending to reduce the pressure on the formation and induce a flow of cognate formation fluid into the circulation stream for conveyance thereby to the surface.

2,187,487
BRIDGE PLUG

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

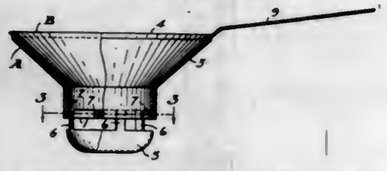
Application January 14, 1939, Serial No. 250,967
4 Claims. (Cl. 166—13)



1. A bridging valve comprising an annular collar adapted for attachment to a well packing device and to be lowered therewith down a well casing, said collar being formed to provide a valve seat surrounding its bore and being laterally grooved internally above said seat, a valve disc adapted to engage the valve seat to close said bore, and a spring tending to maintain said valve closed, said spring providing an anchoring portion of circular form having a snap-ring engage-

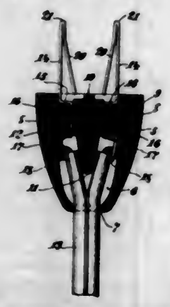
ment in said groove, coiled portions disposed on one side of said bore and forming a pivot for said valve, and a medial portion connected to and forming a lever arm for said valve.

2,187,488
EGG SEPARATOR
John T. Brueggeman, Shaker Heights, Ohio
Application December 3, 1937, Serial No. 177,848
4 Claims. (Cl. 146—2)



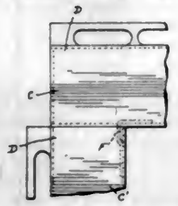
1. A device for separating the whites from the yolks of eggs which comprises an outer member having an inverted frusto-conical shaped portion surmounting a cylindrical portion and adapted to be positioned on a receptacle, an inner member having an inverted frusto-conical shaped portion surmounting a cylindrical portion and provided with a bowl depending from said cylindrical portion and normally extending below the lower end of the outer cylindrical portion to receive an egg yolk, said inner member disposed inside and normally resting on said outer member and being provided with openings in the cylindrical portion adjacent the bowl to permit egression of the egg white, said members arranged for movement relative to each other whereby egg white suspended from the inner member will be automatically sheared off and the openings of the inner member will be sealed.

2,187,489
ATTACHMENT PLUG
Nathan Chirelstein, Chicago, Ill.
Application June 28, 1939, Serial No. 281,608
2 Claims. (Cl. 173—361)



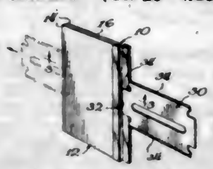
1. An attachment plug, comprising a one-piece molded resilient plug body having an internal chamber with a cord passage opening thereinto at the back of the body and having separated depressed seats molded in the front of the body, said plug body having narrow spaced passages at the inner ends of said seats and extending from said seats, substantially parallel, to said chamber within the plug body and abrupt shoulders at the inner end of said chamber extending outwardly away from the inner ends of said passages and contact blades of substantially the same width full length, said blades having exposed contacting portions and wire terminal portions at opposite ends of the same and sharply angled inwardly extending U-bends in the intermediate portions of the same and of the full width of said blades, said U-bends including sharply angled portions at the bases of the exposed contacting portions engaged in said depressed seats in the front of the base, longitudinally extending connecting portions extending through said passages and sharply angled outwardly extending portions engaging said outwardly extending abrupt shoulders at the inner ends of said passages, said wire terminal portions extending in sharply angled relation from the outer ends of said outwardly extending angled portions of said U-bends.

2,187,490
CASING CONSTRUCTION
Victor F. Dewey and Joseph N. McLoughlin, Detroit, Mich., assignors to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1939, Serial No. 271,121
11 Claims. (Cl. 189—75)



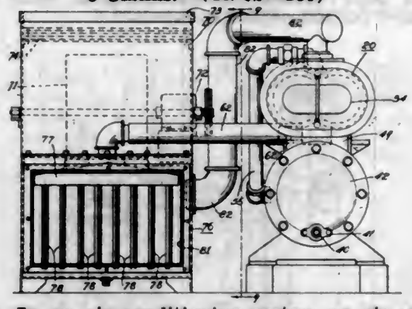
1. The combination with a rigid frame formed of bars with each side bar having a face normal to the plane of the frame, a portion projecting beyond said face and a portion overlapping said face, of a casing comprising a plurality of separate knockdown sections corresponding to the several side bars of the frame, each section having a portion for extending between said normal face and said overlapping portion and also having a portion for interlocking with said projecting portion, each section being engageable with its corresponding side bar when arranged in a plane oblique thereto, and interlocked when turned parallel to said normal face, the ends of sections on adjacent sides of the frame being fashioned for interengagement with each other, and a member permanently attached to one of said sections deformable to interlock the same with the adjacent section.

2,187,491
RAZOR CLEANING DEVICE
Joe Poe Fleckenstine, Glendale, Calif.
Application November 15, 1937, Serial No. 174,518
8 Claims. (Cl. 15—218)



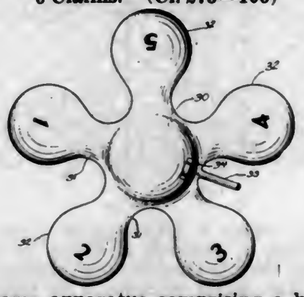
7. A device of the class described comprising two flat identical members, means adjacent opposite edges of said members for holding them face to face, absorbent means lining the adjacent faces of said members, and means waterproofing two adjacent edges of each of said members, said edges being displaced away from each other slightly over a portion of their length to provide a mouth for the reception of a blade.

2,187,492
AIR CONDITIONING SYSTEM
Julius Frankenberg, Chicago, Ill.; Lester Frankenberg, administrator of estate of Julius Frankenberg, deceased, assignor, by mesne assignments, to Lester Frankenberg
Application July 11, 1935, Serial No. 30,825
5 Claims. (Cl. 62—136)



1. In an air-conditioning system an air compressor, a heat exchanger to which the air is delivered under compression for lowering its temperature, a motor device in which the cooled air from said heat exchanger is expanded and further cooled by delivering mechanical work to assist in the operation of the compressor, a blower arranged to receive atmospheric air, a cooling chamber into which said blower discharges, conduit means in said chamber through which the cold expanded air from the motor device is conveyed in proximity to the air delivered by the blower for cooling the latter; a common outlet at which the air from the blower and the air from said conduit means are commingled, and an additional outlet conveying a portion of the air discharged by the blower to the inlet of the compressor, together with air-cleaning means associated with the intake of the blower.

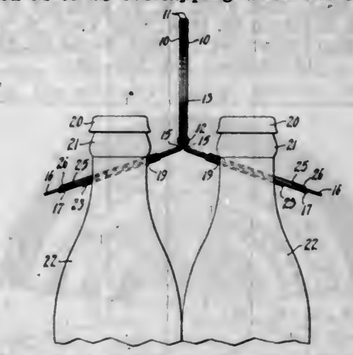
2,187,493
GAME APPARATUS
Taylor Gordon, New York, N. Y.
Application June 9, 1937, Serial No. 147,194
6 Claims. (Cl. 273—106)



1. A game apparatus comprising a hub member, a plurality of arms joined to said hub member and radiating therefrom said arms being positioned substantially co-planarly, and a single member joined to each of said arms, each of said latter members forming a surface which may be grasped.

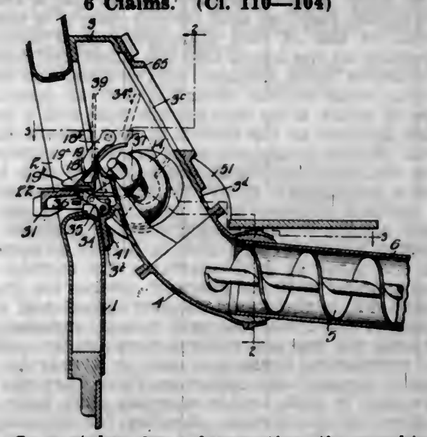
2,187,494
BOTTLE CARRIER
Harry Z. Gray, Lebanon, Ohio
Application September 9, 1937, Serial No. 163,019
3 Claims. (Cl. 224—45)

1. In a bottle carrier for bottles having beaded cap-receiving upper ends, a hand grip portion and a pair of flaps hinged to said hand grip portion independently of each other along the same margin thereof, each of said flaps being formed with an aperture of larger size than the bead-end of a bottle so as to enable the said bead to pass therethrough, said apertures being so arranged as to be overlapping when the flaps are



side-by-side and thereby together to define a through opening in the flaps of smaller size than the bead portion of a bottle but larger than the adjacent neck of the bottle, the flaps being separately angularly movable upon their hinges to enable separation of the flaps whereby the bead portion of a bottle may be passed through the respective apertures in succession.

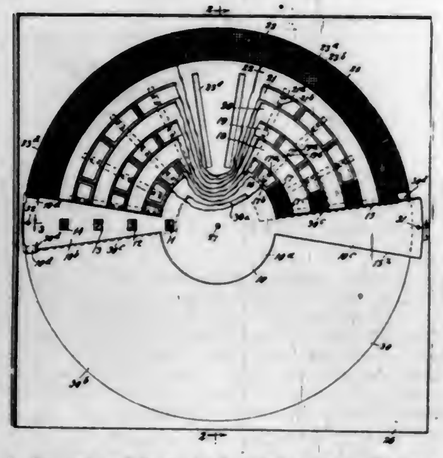
2,187,495
DOOR HOUSING FOR LOCOMOTIVE STOKERS
William Thompson Hanna, Cincinnati, Ohio
Original application June 18, 1928, Serial No. 286,222. Divided and this application June 11, 1936, Serial No. 84,612. Renewed July 1, 1939
6 Claims. (Cl. 110—104)



5. In a stoker for a locomotive, the combination with a fire box having a fuel entrance in its back wall, of a housing having a forward wall provided with a fuel outlet adapted to communicate with the fuel entrance, having a rearward wall provided with a hand-firing opening substantially aligned with said fuel outlet, having a fuel inlet disposed in a plane below said fuel outlet, and having a fuel passageway extending in an upward direction from said fuel inlet to said fuel outlet on the median line of said housing and between said forward and rearward walls,

so that the movement of the fuel as it leaves the passageway and emerges through said outlet may be readily observed through said hand-firing opening.

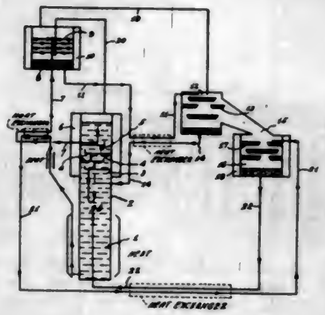
2,187,496
ADDING AND SUBTRACTING DEVICE
Walter Hess, New York, N. Y., assignor of one-half to Edwin W. Hess, New York, N. Y.
Application September 20, 1938, Serial No. 230,771
10 Claims. (Cl. 235—78)



1. In an adding and subtracting device, a movable member having numbered member sections representing the tens digits and in its top face having a longitudinally extending groove for each digit with an opening on a certain line within one of said grooves passing through the member, stationary shields on the top and bottom sides of said member and having a transverse slot each on said certain line of a length equal to one of said digit sections, a movable member on the top of said top shield and having numbered equal sections representing the units digits, each section having a pair of apertures one of which is on said certain line, and a movable member on the bottom of said bottom shield and having numbered equal sections representing the hundreds digits and in its top face having a longitudinal groove for each digit, whereby a pointed operator may be engaged in one of said apertures for moving the top member for adding or subtracting units or it may be engaged in the other of said apertures for moving the top member until the operator reaches the transverse slot in the top stationary shield and then engages one groove of said central member for moving the top and central members for adding or subtracting units and tens or it may be engaged through the latter aperture through the opening in the center member and into one groove of the bottom member for moving all simultaneously for adding or subtracting units, tens and hundreds.

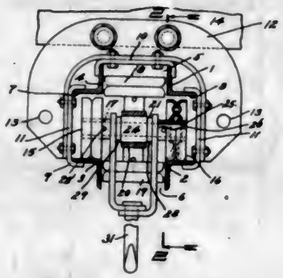
2,187,497
REFRIGERATOR
Abraham Katzow, Indianapolis, Ind.
Application June 1, 1937, Serial No. 145,813
18 Claims. (Cl. 62—119.5)

6. In a reabsorption method of refrigerating, the steps of heating one portion and cooling another portion of a body of a solution of a volatile refrigerant in a relatively nonvolatile solvent to maintain a higher concentration of the refrigerant in the cooled portion of said body than in the other portion, separating from the body part of the cooled portion thereof, evaporating refrigerant from such separated part, and then returning such part to the cooled portion of said body without intermingling it with the heated portion of said body.



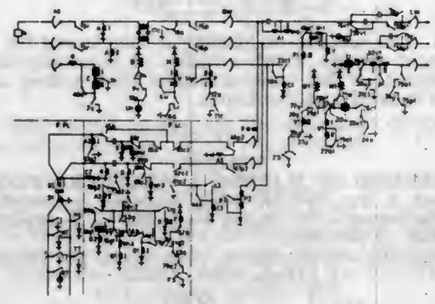
11. In refrigerating apparatus, a vertically extending vessel, an evaporator, a conduit for conveying liquid from a point near the upper end of said vessel to said evaporator, a second conduit for conveying liquid from said evaporator to a point in said vessel below its point of connection to said first conduit, means for cooling that portion of said vessel between said two conduits and below said second conduit, means for heating the lower portion of said vessel, and means for collecting refrigerant evaporated in said evaporator and returning it to the lower portion of said vessel.

2,187,498
TROLLEY CONVEYER
Eugene E. Landahl, Detroit, Mich.
Application April 30, 1938, Serial No. 205,263
4 Claims. (Cl. 198—177)



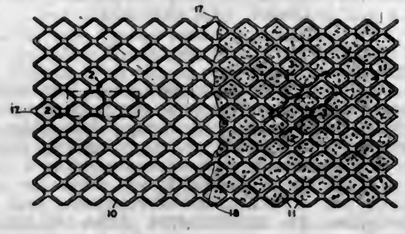
1. In a conveyer of the class described, the combination with a series of trolley wheels, having axles, hangers depending from the said axles of certain of said wheels, successive alternate trolley wheels being arranged for rotation on axes respectively occupying planes at a right angle one to the other, a trackway formed of four angle iron members each having right angle faces and disposed with the meeting points thereof at the respective corners of a rectangle providing ways at a right angle one to the other for the trolley wheels in the respective planes, and a chain member including links pivotally connected to the axles of the trolleys.

2,187,499
AUTOMATIC TELEPHONE SYSTEM
Max Langer, Berlin-Heemsdorf, and Georg Zapf, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application April 25, 1938, Serial No. 204,004
In Germany May 10, 1937
6 Claims. (Cl. 179—27)



1. In a telephone system, a substation, signal receiving means at the substation actuable when the substation is not engaged in a call, a plurality of signal transmitters, means for extending calls to said substation, means for rendering one of said transmitters effective alone in certain of said calls, and means for rendering more than one of said transmitters effective concurrently in others of said calls, thereby to actuate said first means differently in different calls.

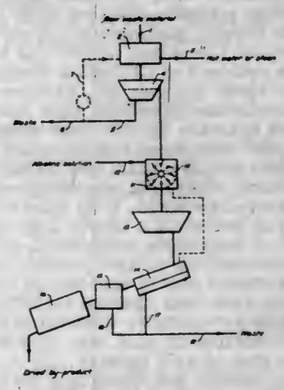
2,187,500
FLOOR CONSTRUCTION
Ralph E. Laubscher, Lakewood, Ohio
Application May 26, 1938, Serial No. 210,113
2 Claims. (Cl. 94—8)



1. In floor construction, a grille providing a network of elements forming a uniformly repeated pattern, said elements at their upper edges terminating in a common plane, said elements being of substantially uniform thickness at and near said plane, filling material in the spaces of said pattern between said elements, said material being level with said plane of the grille, the areas of said grille and said filling material exposed at said plane being proportioned substantially in inverse ratio to the respective capacities of said grille and filling material for resisting abrasion and wear due to usage, and the area of the filled spaces between the elements of said pattern being such as to substantially avoid impact and to give only abrasive wear of said floor by vehicles using it, whereby said floor in use wears without cupping.

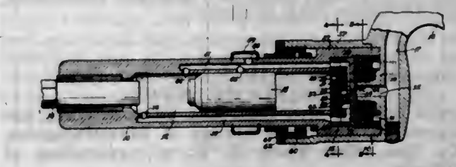
2,187,501
TREATMENT OF WASTE MATERIAL
Adolph W. Lissauer, Louisville, Ky., assignor to Louisville Drying Machinery Company, Louisville, Ky., a corporation of Kentucky
Application October 24, 1936, Serial No. 107,409
Renewed July 24, 1939
9 Claims. (Cl. 99—2)

1. In the treatment of citrus waste normally incapable of mechanical dewatering treatment, the method of dewatering the same comprising, removing soluble pectins from the waste and reducing the viscosity thereof, beating the insol-



uble waste into small crushed particles in the presence of an alkali and alkaline earth solution in order to form a pectate salt therein and then mechanically removing moisture from the resulting body of material containing the pectate salt.

2,187,502
PRESSURE FLUID OPERATED TOOL
Ernest H. Shaff, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a corporation of Michigan
Application February 27, 1936, Serial No. 65,983
11 Claims. (Cl. 121—19)

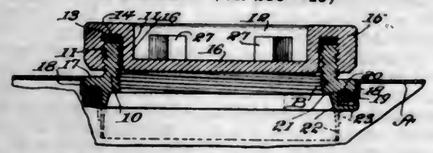


1. A pressure fluid operated tool having, in combination, a barrel including a piston chamber with a piston reciprocable therein, the forward end of said barrel being arranged to receive a tool to be impacted by said piston and the rear end of said barrel having means including a valve casing coacting therewith and embodying valve mechanism for controlling the movements of the piston, means securing said valve casing in said barrel and having a bore opening rearwardly to expose the rear part of said valve casing, an internally cylindrical member closed at its rear end and movably surrounding the rear end of said barrel, said member having a boss fitting reciprocally in said bore, means normally acting in the inoperative condition of the tool to move said boss toward said rear part of said valve casing, means for delivering pressure fluid to the forward end of said boss, fluid supply ports in said rear

part of said valve casing substantially restricted from receiving pressure fluid due to the normal disposition of said boss relative to said valve casing, and packing means surrounding said boss and coacting with the wall defining said bore, said packing means being arranged for substantially preventing escape of pressure fluid rearwardly from said bore so as to develop a pressure area at the end of said boss to move the latter in opposition to said normally acting means partially out of said bore and relatively move said barrel and member incident to the delivery of pressure fluid of predetermined force.

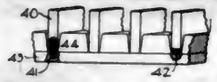
11. A pressure fluid operated tool having, in combination, a piston chamber with a piston reciprocable therein, and means for controlling the movements of the piston comprising a valve casing at the rear end of the piston chamber having therein a valve member in the form of a thin disk of substantial diameter, said casing providing a valve chamber for the valve member having forward and rear faces spaced apart a distance only slightly greater than the thickness of said valve member, means for supplying pressure fluid to said valve chamber on both sides of said valve member and including a supply port adjacent the periphery of said valve chamber, a delivery passage communicating at the forward end thereof with the forward part of said piston chamber and having the rear end thereof in communication with said valve chamber through said rear face thereof, a portion of said rear face surrounding the latter end of said passage and coactive with said valve member for effecting a sealing relation against the entrance of pressure fluid into said passage in one position of said valve, a substantial area of said rear face of said valve chamber being recessed to remain out of contact with said valve member to provide a fluid cushion when the valve member is in sealing relation to said passage, and a plurality of ports communicating through said forward face with the rear end of said piston chamber individually circumscribed by separate raised rims for substantially line contact fluid-sealing relation with said valve member, the area of said forward face surrounding said rims being in constant communication with said supply port to expose the face of the valve member to live pressure fluid tending to assist in shifting the valve member from fluid sealing relation with said rims.

2,187,503
LOCK SEAMED SPUD
Harold Millard Sheridan, New Boston, Ohio, assignor to American Flange & Manufacturing Co. Inc., New York, N. Y., a corporation of Illinois
Application January 12, 1937, Serial No. 120,316
2 Claims. (Cl. 285—49)



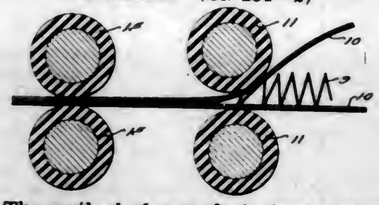
1. In structure of the class described, a container wall having an opening therein with a countersunk seat therearound and a neck extending from said seat, a spud having a portion embraced by said countersunk seat and a portion extending from said embraced portion, said extending portion and said neck being interlocked and folded over to form a joint underlying and reinforcing said countersunk seat.

2,187,504
FUSED JORDAN LINING AND PROCESS OF MAKING
Harold D. Stuck, Lawrence, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application February 4, 1935, Serial No. 4,850
6 Claims. (Cl. 92—27)



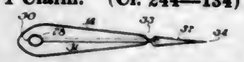
4. The method of forming a shell lining for a Jordan engine which consists of fastening the knives to a flat backing and of then rolling up the backing and the knives.

2,187,505
METHOD OF MAKING A WEATHER STRIP
Clark A. Tea, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 8, 1938, Serial No. 228,898
8 Claims. (Cl. 154—2)



1. The method of manufacturing an attaching portion for a weather strip, which comprises placing a helically coiled wire spring between backing members, flattening said spring and securing the backing members together.

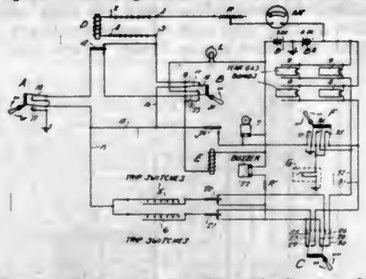
2,187,506
HEATING SYSTEM FOR AIRPLANES
Gerrit Van Daam, Buffalo, N. Y.
Application August 19, 1937, Serial No. 159,879
1 Claim. (Cl. 244—134)



In a heating system for airplanes, the combination of an air heating zone, air heating means associated with said zone, means delivering air thereto, air distributing passages leading therefrom, said distributing passages including a conduit provided with spaced apart vents for discharging jets of heated air horizontally and directly against the inner surface of the front cambered wall of the wing, said wing provided with discharge vents in its trailing edge for delivering jets of heated air directly against the outer surface of the cambered front wall of the ailerons.

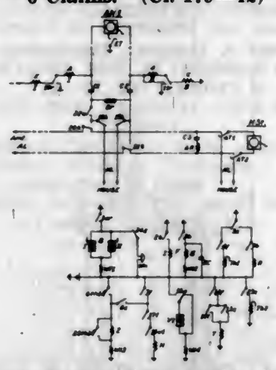
2,187,507
BURGLAR ALARM SYSTEM
Edwin O. Walker, Chicago, Ill.
Application March 1, 1937, Serial No. 128,353
7 Claims. (Cl. 177—314)

1. In a burglar alarm system, an alarm signal, gas discharge devices, a closed protective circuit, means in said circuit responsive to any opening of said circuit to control the alarm signal, a normally open circuit having means therein responsive to a closure of the circuit to operate said discharge devices, said last means inoperative to control said devices until the first means has operated, and means including contactors in said normally open circuit operative to control the means



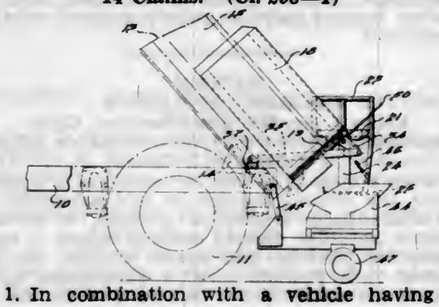
in said circuit to operate the discharge devices only after said first means has operated.

2,187,508
TELEPHONE SYSTEM
Herbert Wüstenberg, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application May 2, 1938, Serial No. 205,413
In Germany June 2, 1937
6 Claims. (Cl. 179—42)



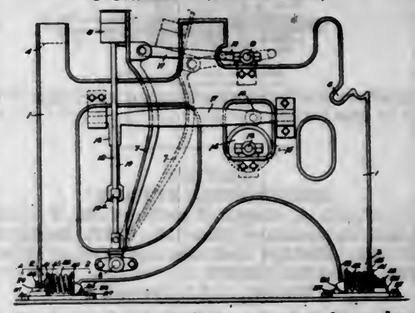
1. In a telephone system, a subscriber's station and a line therefor, means for extending a call to said line, timing means associated with said line operative responsive to the extension of said call thereto, and means controlled by said timing means for preventing the subscriber from receiving said call at said substation for a predetermined interval of time after the call is extended to said line.

2,187,509
CONTROL SEAT
George C. Abbe, Swarthmore, Pa., assignor to Good Roads Machinery Corporation, Kennett Square, Pa., a corporation of Pennsylvania
Application November 23, 1938, Serial No. 242,058
14 Claims. (Cl. 298—1)



1. In combination with a vehicle having a frame and a tiltable body, a control seat pivotally mounted on the rear end of said body and connected to said frame and held thereby in a constant substantially horizontal position independently of the position of said tiltable body.

2,187,510
LOOM AND VIBRATION CONTROL THEREFOR
Nelson A. Batchelder, West Barrington, R. I., assignor to Woods Manufacturing Company, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application March 19, 1938, Serial No. 196,933
6 Claims. (Cl. 248—21)

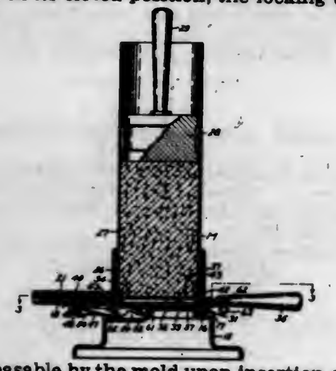


1. In a machine such as a power loom having a supporting frame subject in the operation of the machine to unbalanced forces having horizontal fore-and-aft and lateral components and also vertical components, the combination with the machine frame of stationary track elements symmetrically disposed at the base of said frame and extending in the direction from front to rear of the machine, slide plates on the base of the machine frame adjacent each track element and having guide formations cooperating with said elements, including means preventing relative vertical movement between the track elements and slide plates, whereby the machine frame may move bodily on said track elements solely in a guided straight-line forward and back direction, and shock-absorbing and buffering mechanism operatively interposed between the corresponding track elements and slide plates thereby to control and limit said movement and to absorb and dissipate the energy producing the same and which in the absence of said permitted movement causes objectionable wracking and vibration of the machine as a whole.

2,187,511
FOOD MOLDING MACHINE
William L. Baxter, Marblehead, Mass., assignor to The Sweeper-Vac Company, Worcester, Mass., a corporation of Massachusetts
Application June 7, 1938, Serial No. 212,325
3 Claims. (Cl. 107—8)

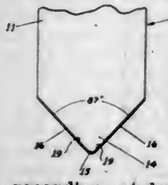
1. A molding machine for ground meat and the like comprising a supporting structure shaped to provide a recess, a mold removably mounted in the recess, a container mounted on the supporting structure adjacent to the mold and formed with a discharge opening through which ground meat is supplied to the mold, a knife arranged to sever the meat between the container and the mold while the mold is in the recess, the knife being shaped to close the discharge opening in the container after the meat has been thus severed and thereby prevent the meat in the container from passing into the recess when the mold is re-

moved, and a locking device arranged to retain the knife in its closed position, the locking device



being releasable by the mold upon insertion of the mold in the recess.

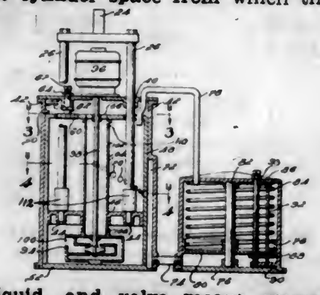
2,187,512
RECORDING STYLUS
Frank L. Capps, New York, N. Y.
Original application May 12, 1937, Serial No. 142,132. Divided and this application May 17, 1938, Serial No. 208,350
3 Claims. (Cl. 274—38)



1. A sound recording stylus comprising an elongated body having at one end a substantially V-shaped flat side face with a rounded point, said body having a second flat face extending rearwardly from each edge of the first flat face and merging together at said rounded point, said second flat faces at angles of less than ninety degrees to said first flat face and forming sharp cutting edges therewith, and said body having rearwardly extending faces arranged at angles greater than ninety degrees to the first mentioned face and forming sharp edges with the rear edges of the respective second flat faces.

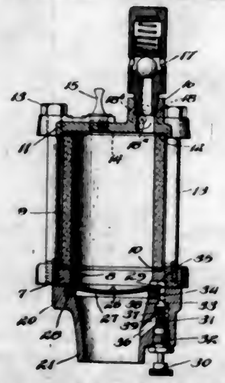
2,187,513
HYDRAULIC OPERATING DEVICE
James Moore Evans, Detroit, Mich., assignor, by mesne assignments, to Grade Crossing Guard Corporation, Memphis, Tenn., a corporation of Tennessee
Application August 2, 1935, Serial No. 34,321
4 Claims. (Cl. 60—52)

2. In a liquid pressure operated ram, the combination of a cylinder, a piston movably supported within said cylinder, means including a pump for transferring liquid from the cylinder space at one side of said piston to the cylinder space at the other side of said piston so as to cause movement of said piston in a predetermined direction in the cylinder, an auxiliary chamber, an auxiliary piston movably supported in said auxiliary chamber, means acting against one side of said auxiliary piston for biasing said auxiliary piston to a predetermined position in said auxiliary chamber, a liquid connection between said first-mentioned means and said auxiliary chamber for applying fluid pressure to the opposite side of said auxiliary piston, a liquid connection between the part of said auxiliary chamber at said one side of said auxiliary piston and that cylinder space from which the pump



draws liquid, and valve means comprising a ported sleeve rotatably interposed between said piston and said cylinder for controlling said first mentioned liquid connection in accordance with the position of said piston.

2,187,514
FILTER
Anthony J. Gardner, Barrington, Ill.
Application November 23, 1936, Serial No. 112,222
6 Claims. (Cl. 73—51)

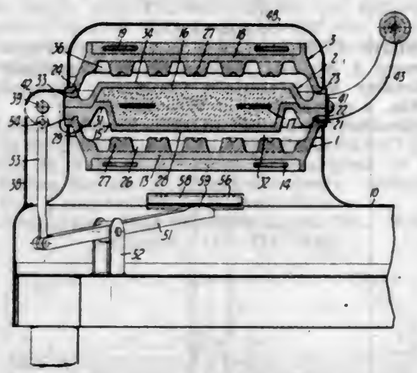


1. A filter comprising a receptacle having a movable discharge spout at the bottom, means for supporting a filtering material at the top of the spout and at the bottom of the receptacle, means for mounting the spout to rotate about an axis at one side of and from the bottom of the receptacle to uncover the filtering element for insertion and removal and to tighten the spout with the filter element at the bottom of the receptacle, means for applying pressure to the receptacle, and a bypass in the spout with a spring pressed valve to relieve pressure in the receptacle.

2,187,515
COOKING APPLIANCE
Henry J. Gerdau, San Francisco, Calif.
Application September 29, 1937, Serial No. 166,353
8 Claims. (Cl. 53—10)

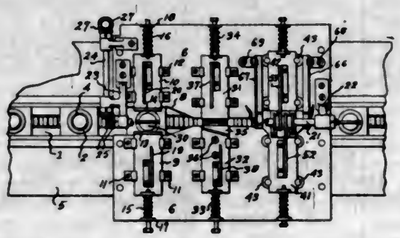
1. In a cooking utensil, a mounting, a heated plate like element carried by said mounting in a substantially horizontal position, a second heated plate-like cooking element hinged to said mounting whereby said second element can be moved to a position directly superposed upon the first element or can be swung to an out of

the way position, and a third heated plate-like cooking element hinged to said mounting and movable from an out of the way position, to a



position directly above the first named element with the second element interposed between the same, or directly upon the first element with the second element in an out of the way position.

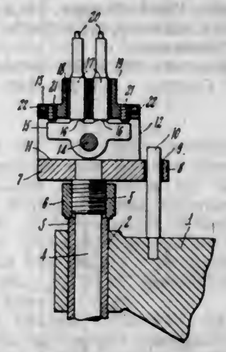
2,187,516
PROCESS FOR SEALING COLLAPSIBLE TUBES
Mervil Hallead, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application June 30, 1936, Serial No. 88,185
7 Claims. (Cl. 113—112)



1. A process of sealing collapsible tubes which comprises as sequential steps, pinching a tube end to bring wall portions into juxtaposition, shearing said tube end to bring said wall portions to a given height, clamping said wall portions between insulating material so that they project therebeyond, softening the projecting wall portions by means of a heated member, applying molding pressure thereto by means of molding members, and cooling the softened metal.

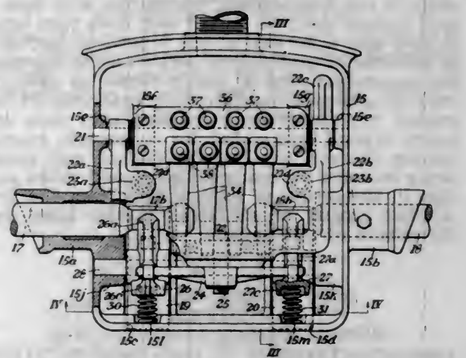
2,187,517
MULTIPLE ANVIL FOR FASTENER SETTING MACHINES
Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts
Application March 21, 1939, Serial No. 263,143
9 Claims. (Cl. 218—0.5)

1. An anvil of the character described comprising a support, a plurality of anvils mounted in said support for free longitudinal movement, and a backing member mounted in said support for engagement with the bottom ends of said



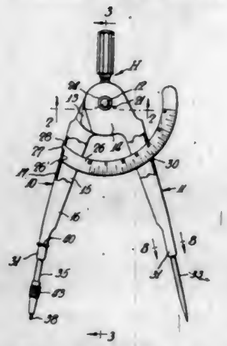
anvils and for oscillation to equalize the pressure on said anvils during a setting operation.

2,187,518
CIRCUIT CONTROLLER
William C. McWhirter, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 24, 1937, Serial No. 160,641
3 Claims. (Cl. 200—52)



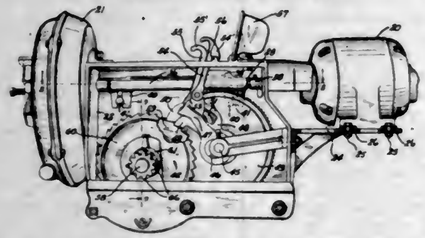
1. A circuit controller comprising a housing, a contact operating member mounted in said housing for movement between two extreme positions and biased to one extreme position, contacts in said housing operatively connected with said contact operating member, two latch dogs in said housing biased to latching positions, means controlled jointly by said latch dogs and effective when and only when said latch dogs both occupy their latching positions and said contact operating member is moved to its other extreme position for latching said contact operating member in its other extreme position, separate means extending into said housing and cooperating with said two latch dogs respectively for at times moving said latch dogs to unlatching position, two indicators slidably mounted in said housing for movement between non-indicating positions in which said indicators are invisible from the exterior of said housing and indicating positions in which said indicators are visible from the exterior of said housing and biased by gravity to indicating positions, and means controlled by each of said latch dogs for latching a different one of said indicators in its non-indicating position when and only when the latch dog occupies its latching position.

2,187,519
COMPASS
Joseph Meilner, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application January 29, 1936, Serial No. 61,266
7 Claims. (Cl. 33—149)



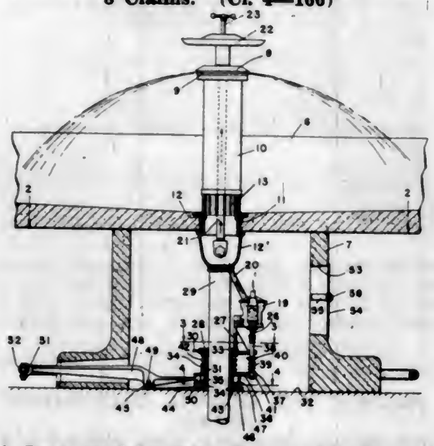
3. In a drafting compass a sheet metal leg longitudinally doubled in channel formation and presenting a socket at its forward end, longitudinally split to provide a slot, the forward edge of said socket being rounded, a longitudinally slotted lead holder tube affixed in said socket with its slot substantially registering with that of said socket, the rear end of said lead tube being slotted and a portion of the length of said tube in advance of said slotted portion being threaded for accommodating a clutch sleeve to lock the lead in adjusted position, the rear end of the pusher wire protruding through said slots and coiled around said socket for convenient manipulation thereof, the forward end of said socket being rounded for ready riding of said coiled portion in the course of adjustment, from the protruding length of said lead holder tube over the length of said socket.

2,187,520
STOKER
William Mitchell, Milwaukee, Wis.
Application December 24, 1936, Serial No. 117,431
1 Claim. (Cl. 74—116)



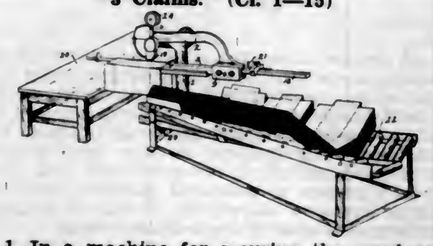
In a power transmission apparatus, the combination with a feed screw, and a drive shaft, said power transmission apparatus being interposed between said screw and said shaft, of a worm on said drive shaft, a worm wheel driven by said worm, a worm wheel shaft, two pairs of connected dogs eccentrically mounted on said worm wheel shaft, a shaft extending from the feed screw, a pair of ratchet wheels fast on the last-mentioned shaft, the teeth of one wheel being coarser than those of the other, one of said pairs of connected dogs selectively engaging one of the ratchet wheels for driving purposes, and means for throwing one or both pairs of dogs into inoperative position out of engagement with said ratchet wheels.

2,187,521
FOOT CONTROLLED WASHFOUNTAIN
Howard A. Mullett, Milwaukee, Wis., assignor to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 10, 1938, Serial No. 229,307
8 Claims. (Cl. 4—166)



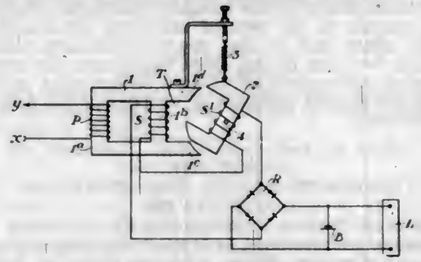
1. In a washfountain, the combination of a basin, a hollow pedestal supporting said basin, spraying means supported above the basin for directing water toward the outer portion of the basin, a valve mounted wholly within the hollow of said pedestal and supported independently thereof for controlling the flow of mater to said spraying means, and foot-controlled means operable from a plurality of points exterior of said pedestal for controlling said valve.

2,187,522
WIRE STITCHING MACHINE
Joseph N. Pagliarul, Milwaukee, Wis.
Application January 11, 1938, Serial No. 184,445
3 Claims. (Cl. 1—15)



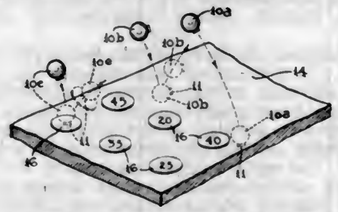
1. In a machine for securing the overlapped edge portions of a set-up box blank together, an elongated bar on which said overlapped portions are adapted to be supported in a position extending longitudinally of said bar whereby the box is suspended from the bar and is supported solely thereby, a substantially L-shaped member having one arm connected to said bar, means associated with the other arm of the L-shaped member for securing the overlapped portions of said box blank together, there being means at the point of connection between the first arm of the L-shaped member and the bar for accommodating a portion of a relatively long box blank to permit the latter to project beyond said point of connection while a portion remote therefrom is being operated upon by the securing mechanism, a stop gauge for said projecting portion of the blank, and removable means for adjustably supporting said stop gauge beyond the point of connection between the first leg of the L-shaped member and said bar.

2,187,523
ELECTRICAL REGULATING APPARATUS
John M. Pelikan, Crafton, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 13, 1936, Serial No. 79,519
2 Claims. (Cl. 171—119)



1. A regulating transformer comprising a stationary core member provided with a primary and a secondary winding, a movable core member which forms a leakage path for shunting flux away from said secondary winding, an auxiliary winding disposed on said movable core member and adapted to be connected in series with said secondary winding for supplying current to a load, said movable core member being responsive to the force due to the flux which threads said movable core member when current flows in said auxiliary and secondary windings to move toward a position in which the leakage path formed thereby has a minimum reluctance, and biasing means automatically exerting on said movable core member a force which opposes said first mentioned force and which urges said movable core member toward a position of higher reluctance than said minimum reluctance, the parts being so proportioned that as the first mentioned force acting on said movable core member changes due to changes in load conditions said biasing means will cause said movable core member to automatically move to different positions in each of which a balance is obtained between said two forces, to thereby maintain the load current substantially constant.

2,187,524
GAME DEVICE
Walter R. Price, Minneapolis, Minn.
Application October 6, 1938, Serial No. 233,599
11 Claims. (Cl. 273—95)

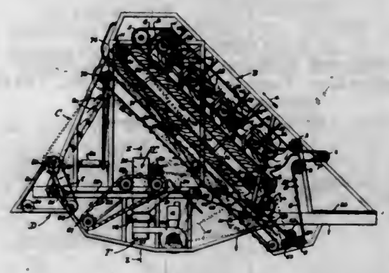


6. In combination, a reboundable projectile and a target relatively light in weight, said projectile comprising a ball-like body of resilient material having a vacuum cup thereon adapted to cause the projectile to adhere to the target upon impinging the same and to carry said target with the projectile upon the rebound thereof.

2,187,525
ARTICLE OF WELDED CONSTRUCTION
Paul Schafmeister and Eduard Houdremont, Essen, Germany, assignors, by mesne assignments, to Krupp Nirosta Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application September 19, 1929, Serial No. 393,835. Divided and this application May 27, 1939, Serial No. 276,230. In Germany June 26, 1929
4 Claims. (Cl. 113—112)

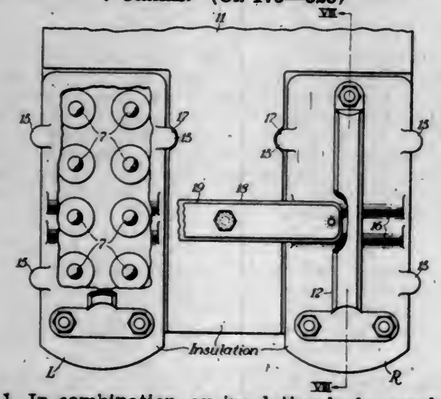
3. An article of welded construction for use in the chemical and metallurgical fields which, without being annealed after welding, stubbornly resists intergranular corrosion within the zone tempered by the welding operation when subjected to corroding media, and which is made of a stable austenitic alloy composed of about 18% chromium, about 8% nickel, about .07 to .2% carbon, and about .3 to 2% vanadium, iron constituting substantially the entire balance.

2,187,526
HOP PICKING MACHINE
Edouard Thys, San Francisco, Calif., assignor to E. Clemens Horst Company, San Francisco, Calif., a corporation of New Jersey
Application June 30, 1937, Serial No. 151,142
4 Claims. (Cl. 130—30)



1. In a hop picking machine, a main picker belt composed of transverse rows of V-shaped picking fingers, a second picker belt composed of transverse rows of V-shaped picking fingers disposed above the main picking belt, means for imparting continuous movement to both picker belts, with their adjacent surfaces traveling in the same direction, said second belt being disposed on an angle with relation to the main belt and having one end movable to and from the main belt; a vine conveyor movable between the two belts, grasper bars on the vine conveyor, to which vines to be picked are attached; and means actuated by movement of the vine conveyor for automatically raising and lowering the movable end of the second belt during the passage of a grasper bar therebeneath, said means comprising a spring for raising the movable end, a latch arm normally securing the movable end in the lower position, a roller on the belt engageable with the latch to release it and to permit the spring to raise the movable end, and a cam on the movable end which the roller engages to lower the movable end into engagement with the latch.

2,187,527
ELECTRICAL CONNECTOR
Wesley B. Wells, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 24, 1938, Serial No. 226,490
7 Claims. (Cl. 173—328)



1. In combination, an insulating body member provided with sets of similar contact fingers, two separately attachable plug receptacles each adapted to effect electrical contact between a different selected set of said contact fingers and a plurality of circuit wires, registry means on each of said plug receptacles, and means on said insulating body member adapted to register with said registry means for insuring that each plug receptacle effects electrical contact only with the selected one of said sets of contact fingers.

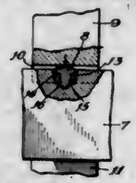
2,187,528
FOUNTAIN PEN
Russell T. Wing, Minneapolis, Minn.
Application June 7, 1937, Serial No. 146,846
Renewed May 24, 1939
35 Claims. (Cl. 120—50)



1. In a fountain pen, an ink reservoir, a pen section comprising a hollow member, a feed duct connecting the reservoir with the pen point, and means within said member for controlling the flow of ink from the reservoir to the pen point by capillary attraction, said means comprising a plurality of closely spaced cells communicating with the feed duct and with the atmosphere through a small breather opening.

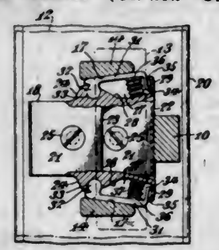
2,187,529
METHOD OF WELDING GRATINGS
Walter A. Bates, Joliet, Ill., assignor to Beulah H. Bates, Joliet, Ill.
Application August 24, 1938, Serial No. 226,493
6 Claims. (Cl. 219—10)

1. The method of making a metallic grating consisting of arranging a plurality of longitudinal main bars in spaced parallel relation with the tops of all of the main bars in a single plane, arranging a plurality of transverse bars of a regular hexagonal cross-section throughout their length transversely of said main bars with a corner thereof in engagement with the tops of said main bars, passing an electric welding current through the transverse bars and the longitudinal bars at their points of intersection and applying pressure at said intersections sufficient to slightly distort the cross-sectional hexagonal shape of said transverse bars so that when the bars become semi-



molten the hexagonal bars acquire the cross-sectional shape of an irregular hexagon wherein the angles at the tops of the sides are equal to each other but of less degree than the angles at the bottoms of the sides which also are equal to each other thus effecting a secure weld at the four lowermost surfaces of the hexagonal transverse bars.

2,187,530
COMBINED LATCH AND DOVETAIL STRUCTURE
Robert W. Butler, Philadelphia, Pa., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application July 5, 1935, Serial No. 29,785
16 Claims. (Cl. 292—340)

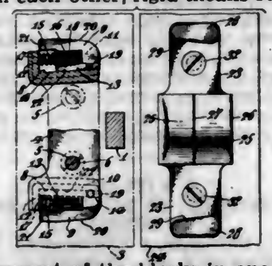


5. In a combined latch and dovetail structure, a base plate, a latch keeper on one side of said base plate, rigid, lateral extensions on opposite edges of said base plate and said latch keeper, rigid, converging, dovetail bearing elements on the ends of said extensions and bodily movable toward and away from each other, and means for adjustably securing said base plate to a door member, whereby the adjustment of such base plate correspondingly adjusts both said latch keeper and said dovetail bearing elements.

2,187,531
COMBINED LATCH AND DOVETAIL STRUCTURE
Robert W. Butler, Philadelphia, Pa., assignor, by mesne assignments, to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application April 23, 1936, Serial No. 75,915
3 Claims. (Cl. 16—85)

1. A dovetail wedge member comprising an elongated base plate having one face thereof adapted to be secured to the edge of a door and a guideway on the opposite face at each end thereof, the guideways being spaced from each other to receive a striker plate therebetween, a pair of bearing blocks slidably mounted in the guideways and having bearing surfaces projecting

from the guideways on the faces of the blocks remote from each other, rigid means for limiting

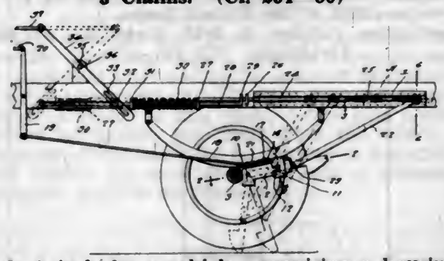


sliding movement of the blocks in one direction, and resilient means for resisting sliding movement of the blocks in the opposite direction.

2,187,532
SOIL ADJUVANT
Martin Leatherman, Hyattsville, Md.; dedicated to the free use of the People of the United States of America
No Drawing. Application July 18, 1938, Serial No. 219,784
1 Claim. (Cl. 71—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A method for conserving plant food and humus in soil, which comprises incorporating rosin in high organic greenhouse soils in amounts not in excess of 0.3 per cent by weight, thereby retarding microbiological competition with growing plants.

2,187,533
MOTOR VEHICLE JACK
Leo Arthur Moreau, North Adams, Mass.
Application September 1, 1939, Serial No. 293,144
3 Claims. (Cl. 254—86)

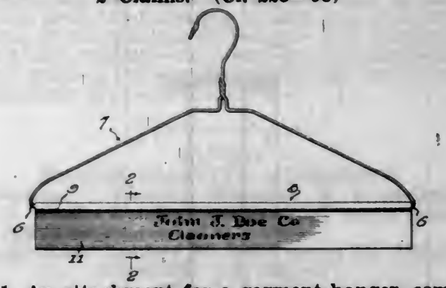


3. A jack for a vehicle comprising a housing, a jack member pivoted in the housing, manually operated means for holding the jack in the housing and releasing the jack when desired, a horizontally arranged track, a headed member operated in the track, a link connecting the jack member with the headed member, a rod assembly connected with the headed member, a lever connected with the rod assembly and manually operated for raising and lowering the jack.

2,187,534
FIBER
Earle O. Whittier and Stephen P. Gould, Washington, D. C., dedicated to the free use of the People of the United States of America
No Drawing. Original application August 12, 1937, Serial No. 158,822. Divided and this application May 19, 1938, Serial No. 208,832
2 Claims. (Cl. 18—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for producing non-adherent casein fibers, which includes subjecting a dispersion comprising casein having a greater pH value than 4.6 in the form of fine streams to the action of an acid bath comprising an alcoholic solution of acetic anhydride.

2,187,535
GARMENT HANGER ATTACHMENT
Karnig Aljian, Jersey City, N. J.
Application July 25, 1939, Serial No. 286,461
2 Claims. (Cl. 223—98)

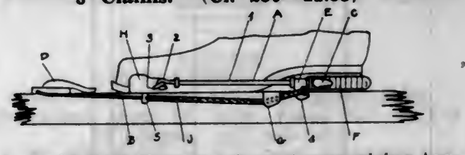


1. An attachment for a garment hanger, comprising a horizontally elongated rod having a longitudinal groove in its lower side to receive the usual lower rod of a wire garment hanger, said groove being of such depth that the front and rear portions of the first mentioned rod will project downwardly from the hanger rod, and a thin flat horizontally elongated strip disposed in a vertical plane and having an upper edge receivable between said downwardly projecting portions of said first mentioned rod to be pivotally suspended by this rod.

2,187,536
DETERGENT COMPOSITION SIMULATING OLIVE OIL SOAPS
Souren Z. Avedikian, New York, N. Y.
No Drawing. Application May 28, 1936, Serial No. 82,208
12 Claims. (Cl. 87—5)

2. An alkaline detergent composition giving a solution of substantially constant pH comprising a strongly alkaline substance of the group consisting of tri-sodium phosphate and sodium carbonate buffered with a mixture of di-sodium phosphate and borax in substantially the ratio of 1:1.

2,187,537
COMBINED TOUR AND SLALOM BINDING
Jacob Wessel Bruun, Oslo, Norway
Application February 9, 1938, Serial No. 189,652
3 Claims. (Cl. 280—11.35)



1. A ski fastening attachment comprising toe-irons, a coil spring adapted to surround the heel of a shoe, adjustable means connecting the ends of said spring with said toe-irons, a cable having its ends connected with the ends of said spring, a tightening device mounted on the ski forward of said toe-irons having engagement with said cable, ears projecting from the sides of the ski beneath which said cable is trained to cause a downward pull of the cable when tightened and means for holding said cable out of contact with the ground when loose.

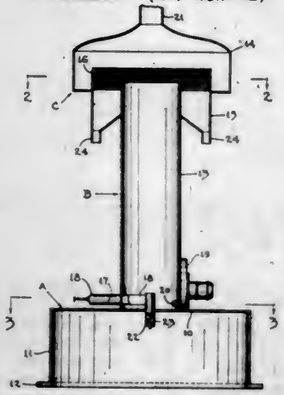
2,187,538

METHOD OF EXFOLIATING VERMICULITE AND SIMILAR MINERALS

Clarence H. Butler, Minneapolis, Minn., assignor to Amalgamated Minerals Corporation, Minneapolis, Minn., a corporation of Minnesota

Original application December 17, 1936, Serial No. 116,330. Divided and this application August 11, 1938, Serial No. 224,321

7 Claims. (Cl. 252—1)



1. The method of exfoliating pieces of micaceous mineral consisting in tangentially introducing hot gases into a stack near the base thereof to create a helically ascending gaseous carrier therein capable of buoying up and expanding raw mineral pieces and individually elevating the same as the expansion thereof progresses, said method including the introduction of the raw mineral pieces into the carrier adjacent to the locality of entry of said gases into the stack, and the recovery of the exfoliated pieces from said carrier at a higher elevation.

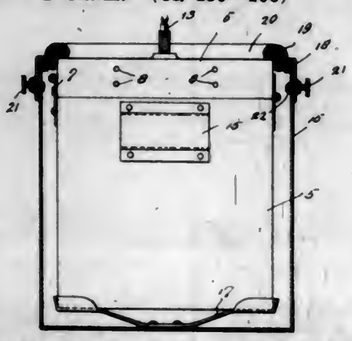
2,187,539

MINER'S LANTERN

Pasquale Carbonara, Uniontown, Pa.

Application March 29, 1937, Serial No. 133,674

1 Claim. (Cl. 136—166)



In combination, an open-top carrying case completely closed except for the top opening, a wet cell storage battery arranged in said case, a cover for the battery having side walls provided with ventilating apertures and a top wall provided with an opening, a cable extending through said opening and connected to the terminals of the battery, said top wall being devoid of perforations other than said opening, a resilient support for the battery fixed on the bottom of the case and positioning the battery in spaced relation to the side walls of said case, and a ring removably secured on the top of said case and engaging the battery cover to firmly hold the battery in position, said ring having an inwardly directed flange provided with a resilient gasket engaging the top of the battery cover along all sides of the latter so that any electrolyte splashed or spilled from the battery will be caught in the protective case.

2,187,540

MANUFACTURE OF FULL-CROSS GAUZE FABRICS

Ernst Egli, Turbenthal, Switzerland, assignor to Boller, Winkler & Co., Turbenthal (im Grund), Zurich, Switzerland

Application November 3, 1938, Serial No. 238,677

In Switzerland November 5, 1937

5 Claims. (Cl. 139—51)



1. In a loom for the manufacture of full-cross fabrics, the combination of a simple leno harness with a harness serving for the formation of the second half revolution, this harness consisting of two lifting healds and a half-heald adjacent the lifting-healds and adapted to move relatively and in parallel direction therewith, a barb on top of the half-heald adapted to receive a leno thread introduced by one of said lifting healds.

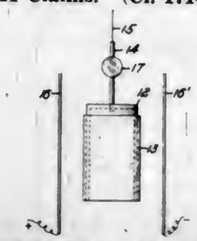
2,187,541

ELECTRIC FIELD SENSITIVE DEVICE

Roy W. Goranson and William A. Zisman, Washington, D. C., assignors to Carnegie Institution of Washington, Washington, D. C., a corporation of the United States

Application October 8, 1938, Serial No. 234,068

11 Claims. (Cl. 171—95)



1. An electric field sensitive element comprising a base member and a plurality of layers of oriented molecules of a long chain polar substance thereon, said element having at least one plane of dissymmetry.

8. An instrument for determining the characteristics of an electric field comprising a field sensitive element including a base member and a permanently charged multilayer comprising a plurality of layers of oriented molecules of a long chain polar substance asymmetrically deposited thereon, means supporting said element for movement in an electric field, and means for ascertaining the movement of said element.

2,187,542

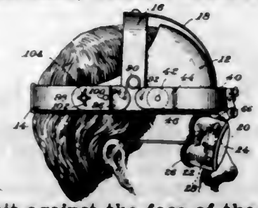
WELDER'S GOGGLES

Ole E. Hagen, Chicago, Ill.

Application October 10, 1938, Serial No. 234,298

3 Claims. (Cl. 2—8)

1. Welders' goggles comprising a head harness, a curved band pivotally connected intermediate its ends with the sides of the head harness, resilient means cooperable with the ends of said curved band and said head harness for yieldingly holding the curved band in operative and inoperative positions, a goggle unit pivotally mounted on said curved band, resilient means for urging the



goggle unit against the face of the wearer when said curved band is in its operative position, and means for limiting the pivotal movement of the goggle unit to permit partial unmasking of the eyes of the wearer, said band, in its inoperative position, holding said goggle unit in such position as to completely unmask the eyes of the wearer.

2,187,543

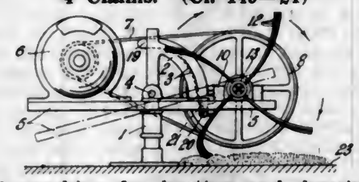
MACHINE FOR BEATING AND DRESSING FURS AND THE LIKE

Simon Haskin, North Carlton, Victoria, Australia

Application December 23, 1937, Serial No. 181,448

In Australia December 24, 1936

4 Claims. (Cl. 149—24)



3. A machine for beating and dressing furs and the like comprising a stand, a frame pivotally supported intermediate its ends on said stand, a shaft revolvably supported on one end of said frame, a motor on the other end of said frame, means for driving the shaft from the motor, a plurality of thongs fitted to one end of the shaft, and means for securing the frame in pivotally adjusted position on the stand.

2,187,544

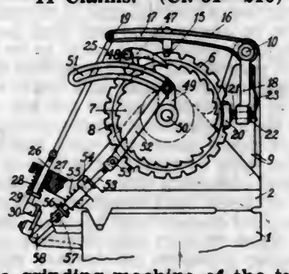
DIVIDING APPARATUS FOR TOOTHED WHEELS OR LIKE GRINDING MACHINES

Fritz Laessker, Friedrichshafen-on-the-Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany

Application September 15, 1937, Serial No. 163,930

In Germany September 25, 1936

11 Claims. (Cl. 51—216)



1. In a grinding machine of the type referred for the grinding of straight teeth and having a movable slide table, a dividing apparatus comprising the subcombination of: a rotatable dividing plate mounted on said slide table, said plate having notches therearound corresponding to the tooth spaces of a gear to be ground; a movable stop associated with said plate; a brake device also associated with said plate and operatively connected to said stop; a cam mounted on a stationary part of the grinding machine; link mechanism connected to said stop and to said brake device and operable by said cam on movement of the slide table to engage and disengage said stop, whereby when said stop is disengaged said brake is engaged and when said stop is engaged said brake is released. .

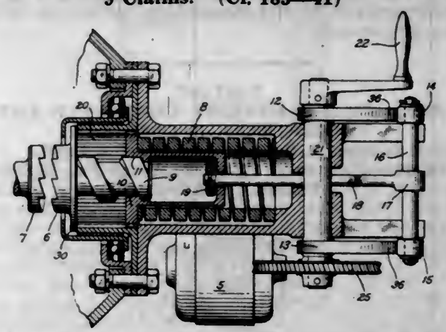
2,187,545

ENGINE STARTING MECHANISM

Raymond P. Lansing, Montclair, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 12, 1939, Serial No. 250,655

9 Claims. (Cl. 185—41)



1. The combination with an engine-engaging member, a helically wound spring, and a driving connection therebetween, of means for compressing said spring, said means including a rotatable cam operating upon said spring in such manner that the expansion of the spring, for delivery of starting energy to the engine-engaging member, follows immediately upon completion of the compression thereof, and prior to cessation of rotation of the cam, and means for maintaining said cam in rotation until the spring has been fully compressed, released for expansion, and partially compressed again, said last-named means including an electric motor, a source of current, and a circuit that remains closed until said cam reaches a predetermined position in its cycle of rotation.

2,187,546

AIR CLEANING DEVICE

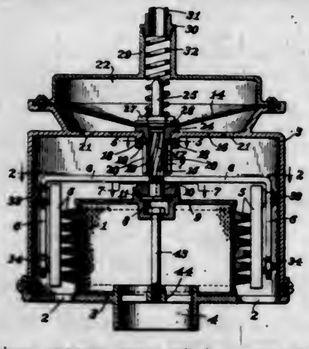
Frederick Strattner Orem, Baltimore, Md.

Application April 14, 1938, Serial No. 202,076

11 Claims. (Cl. 183—60)

1. In apparatus of the class described, air cleaning means including an air filter, and means for cleaning said air filter comprising wiping means in engagement with said air filter and a support carrying said wiping means, said support being movably mounted to move the wiping means over the surface of the filter, and a diaphragm, means subjecting one side of the diaphragm to atmospheric pressure, and means subjecting the other side of the diaphragm to suction or lessened pressure to move the same, means providing a connection between said diaphragm and said support for imparting movement there-

to, said diaphragm having a rigid projecting member fixedly mounted thereon and forming a part of the said connection, said projecting member being in direct engagement with a part of



said wiping means support to move the wiper over the filter positively in both directions upon reciprocation of the diaphragm projection with the diaphragm.

2,187,547

ROLL FILM MAGAZINE CONTAINER FOR PHOTOGRAPHIC CAMERAS

Gordon B. Pollock, Los Angeles, Calif.

Application June 17, 1936, Serial No. 85,687
2 Claims. (Cl. 242—71)



1. In a device of the character described, a hollow substantially cylindrical container having a slot therein parallel to its longitudinal axis and a groove in its inner surface spaced from and parallel to said slot, a portion of said container adjacent said slot being outwardly embossed, a second cylinder telescoped within said first cylinder, an indented portion of said second cylinder, a flange on said second cylinder engageable with said groove to maintain said indented and embossed portions of said cylinders, respectively, adjacent, and a slot in said second cylinder parallel to its axis at the end of said indented portion thereof spaced from said slot in said first cylinder, and a pair of end plates closing the ends of said cylinders.

2. In a device of the character described, a container comprising a spiral wall having its edges crimped to form offset ridges on opposite side surfaces thereof, and means to close the ends of said container.

2,187,548

ADJUSTABLE GUNSTOCK

Stephen A. Smith, Scranton, Pa.

Application June 2, 1938, Serial No. 211,462
Renewed June 5, 1939
2 Claims. (Cl. 42—73)

1. An adjustable butt assembly for a gunstock comprising a housing section adapted to be fixed to the butt end of said stock, a similar housing section vertically adjustable on the fixed housing section, a shoulder rest section pivotally mounted on the vertically adjustable section for rocking movement about a horizontal axis, a set screw extending through the top of the fixed housing and operatively connected to the vertically adjustable housing section for manipulation to adjust the same in opposite directions, respectively, and means in the vertically adjustable section for rocking the shoulder rest



section in opposite directions, respectively, including a set screw extending through the top of said vertically adjustable section, and operating connections between the last mentioned set screw and said rest section including coacting cam members one slidable relative to the other under manipulation of said last mentioned set screw.

2,187,549

FLUID OPERATED MOTOR REVERSING MECHANISM

Walter Van E. Thompson, Los Angeles, Calif., assignor to Thompson Manufacturing Company, Los Angeles, Calif., a corporation of California

Application September 22, 1936, Serial No. 101,966
4 Claims. (Cl. 299—67)



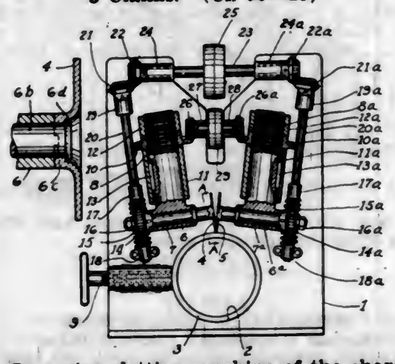
4. In sprinkling apparatus having a sprinkler unit adapted for reciprocatory movement, a shell to which said sprinkler is connected so as to receive fluid therefrom, and fluid operated means adapted to be continuously operated during the time fluid is passing through said shell, the combination of: motion reversing mechanism in said shell operated by said fluid operated means, said mechanism including two gear sectors connected to be driven by said fluid operated means in opposite directions, each of said gear sectors having the same number of teeth, and a reversing gear positioned to be engaged by one gear sector and rotated in one direction and then to be engaged by the other gear sector and rotated in the other direction, said gear sectors and said reversing gear being so arranged that as the last tooth of one of said gear sectors moves from engagement with said reversing gear, the first tooth of the other of said gear sectors moves into a position to control said reversing gear; and interconnecting means between said reversing gear of said motion reversing means and said sprinkler unit for moving same first in one direction and then in the opposite direction alternately during the time fluid is flowing through said sprinkler unit.

2,187,550

PIPE PERFORATING MACHINE

James O. Tow, South Pasadena, Calif., assignor to Ira J. McCullough, Los Angeles, Calif.

Application December 28, 1936, Serial No. 117,979
3 Claims. (Cl. 90—15)



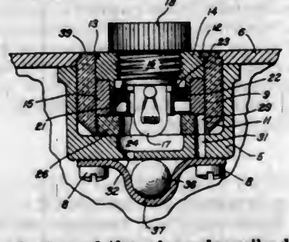
1. In a pipe slotting machine of the character described, the combination of: means for supporting a pipe in which a slot is to be cut; a pair of rotary cutters, each of said cutters having a blade and a space; a pair of shafts disposed in substantially end to end relation and with said cutters mounted on the adjacent ends of said shaft, said shafts being disposed with the axes thereof at an angle one to the other and so that the planes of rotation of said blades of said cutters will intersect at a point offset from the said axis in the direction of the face of said pipe to be cut; means for rotating said cutters so that the blade of each cutter will coincide with the space of the other cutter; and means for substantially simultaneously feeding said shafts inwardly toward said pipe along planes substantially parallel to said planes of rotation of said blades, whereby said blades will substantially simultaneously cut in said pipe a slot having inwardly diverging side walls.

2,187,551

LIGHT DIRECTING DEVICE

Raymond T. Zwack, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application March 10, 1938, Serial No. 195,191
3 Claims. (Cl. 177—311)



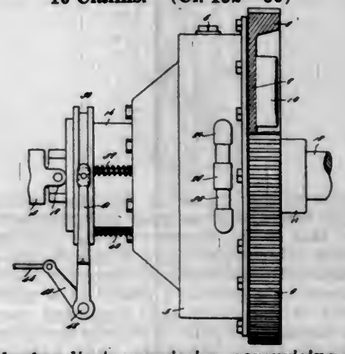
1. In a device of the class described, the combination with a box having an apertured opaque wall, an opaque supporting cup secured to the inner surface of said apertured wall, said cup having a flat floor and a cylindrical inner wall aligned with the aperture in said opaque wall, a translucent plate resting on said floor, a translucent cylinder interposed between said plate and said inner cylindrical wall, said cylinder being beveled to deflect light rays in a direction parallel to the axis of the cylinder, and away from the floor of the supporting cup, a lamp socket disposed within said cylinder, and supported upon said first-named translucent plate, means engageable with said lamp socket to retain a light source in suspension therewithin, and means for locking all of said elements against removal from the box by way of said apertured wall.

2,187,552

HYDRAULIC TRANSMISSION

Roby Glenn Ashburn and John Dalmer Lewis, Mount Airy, N. C.

Application July 8, 1938, Serial No. 218,203
10 Claims. (Cl. 192—60)



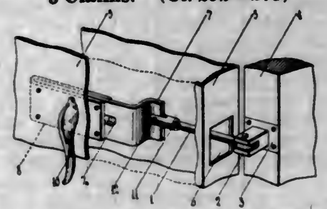
1. A hydraulic transmission comprising a fluid casing secured to a drive shaft for rotation therewith, a normally stationary driven shaft having one end journaled in the casing, a confined fluid in the casing, a fluid system having intake and discharge ports in the casing, pumps in the casing having pump rods operatively connected to the driven shaft and operable upon the rotation of the casing for forcing fluid through the system, manually operable valve means for closing one of said ports and governor controlled valve means for opening the other of said ports, said governor controlled valve being adapted to close passage through the system to interrupt said pumps and cause unitary rotation of the casing and driven shaft.

2,187,553

STAY FOR DOORS OF MOTOR VEHICLES AND THE LIKE

Trevor Howard Butchart, Auckland, Auckland, New Zealand

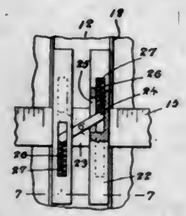
Application June 8, 1938, Serial No. 212,590
In New Zealand October 15, 1937
3 Claims. (Cl. 292—275)



1. A stay for hinged doors, comprising a bracket attached to the fixture from which the door is hung, a rod pivotally connected at one end to the bracket and arranged through an opening in the inner edge of the door, a plate doubled upon itself and secured within the door; another plate having a slot therein mounted to slide between the portions of the doubled plate and having an offset portion at the outer end thereof operably connected to the other end of

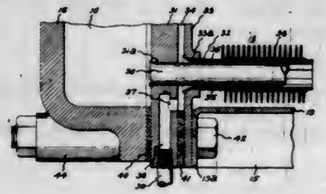
the rod; a flanged screw pin passed through said doubled plate and the slotted plate to provide means for compressing said doubled plate on the slotted plate, and a handle on said screw pin.

2,187,554
PRINTER'S GAUGE
Jacob G. Cook, Albany, N. Y.
Application November 29, 1939, Serial No. 306,757
1 Claim. (Cl. 33—184.5)



A gauge of the character described comprising a straight blade, a cross head intermediate of the ends of said blade, runners movably fitted upon said blade at opposite sides of said head, clamping means included with the head for the fastening thereof to a printer's chase at a permanent cross bar of the same, said clamping means involving opposed parallel relatively movable members, toggle acting spreader links arranged between the members, and springs active for the spreading of the said members into clamping position with respect to the permanent cross bar of the chase.

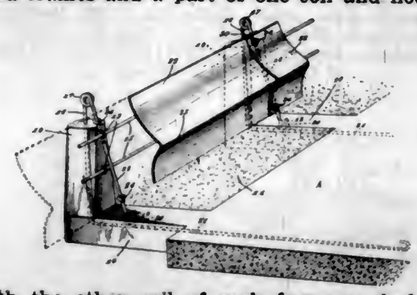
2,187,555
SURFACE COOLER
Albert O. Flindt, Schenectady, N. Y., assignor to General Electric Company, Schenectady, N. Y., a corporation of New York
Application December 1, 1936, Serial No. 113,633
8 Claims. (Cl. 257—239)



1. A surface cooler comprising a chamber, a heat exchange tube extending into said chamber, means for connecting said tube to a source of cooling liquid supply, and a leakage interceptor conduit extending along the length of said tube and closely surrounding said tube in surface-to-surface contact therewith, said tube and said conduit having a passage arranged therebetween communicating with the exterior of said chamber.

2,187,556
HIGHWAY GUARD
Michael J. Gill, Secaucus, N. J.
Application July 18, 1939, Serial No. 285,157
4 Claims. (Cl. 256—13.1)

1. A highway guard comprising posts arranged perpendicular at a side of a roadway, extensions from said roadway and supporting said posts, substantially L-shaped frames partially imbedded vertically in the posts and said extensions and having upper and lower coils, arms formed with said frames and a part of one coil and hooked



with the other coil of each frame, and shield plates supported by said arms.

2,187,557
WHEEL AND TIRE MOUNT
Jayson E. Gillespie, Lincoln, Nebr.
Application February 14, 1939, Serial No. 256,350
3 Claims. (Cl. 152—375)



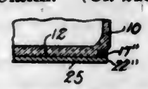
1. In an automotive vehicle wheel including a tire having angularly related walls, a wheel disc having a supporting flange arranged to engage one wall of the tire, a second disc having a flange arranged to engage the other angular wall of the tire, means for connecting the two discs into a unitary structure and for drawing the flanges thereof into pressure relation with the angular walls of the tire, said means including bellied rings positioned adjacent the discs, bolts connected with the rings for drawing the same into pressure relation with their respective discs, and reinforcing flanges between the rings and their respective discs.

2,187,558
COOLING RECEPTACLE
James I. Kushima, Ewa, Territory of Hawaii
Application January 9, 1939, Serial No. 249,999
1 Claim. (Cl. 62—142)



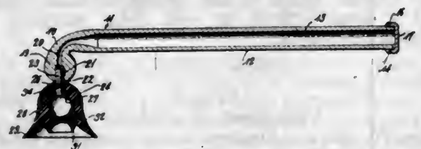
A cooling device comprising a receptacle, a central refrigerant chamber extending upwardly from the bottom of the receptacle and formed integral therewith, the bottom of said chamber being open and surrounded by a screw-threaded collar beneath the bottom of said receptacle, a series of spaced raised longitudinal ridges formed on the outer wall of said chamber, said ridges being tapered to a sharp edge, and a screw cap for engagement wtih the screw-threaded collar to close the open end of said chamber.

2,187,559
CONTAINER
Minnie Levy and Frank Ralph Casino, Brooklyn, N. Y.
Application November 29, 1937, Serial No. 177,100
1 Claim. (Cl. 215—1)



A container including a relatively hard bottom, a recess formed in the bottom and extending around the periphery thereof, a yieldable member secured by adhesion within the recess and extending downwardly beyond the bottom for interposition between the bottom and the surface on which the container is supported, and a relatively soft covering strip co-extensive with the bottom and carried by the yieldable member in spaced relation to the bottom and interposed between the bottom and the surface on which the container is supported to provide an air cushion between the bottom and the covering strip.

2,187,560
MASSAGE IMPLEMENT
Thomas J. Reilly, Houston, Tex.
Application April 5, 1938, Serial No. 200,212
3 Claims. (Cl. 128—62)



1. A suction type dental cupper including an elongated section to be held in the hand and a suction element at one end thereof having a substantially unbroken peripheral edge, reservoir means in the handle for retaining a supply of medicament, well in the suction element for the medicament, and means for feeding the medicament from the well to the external surface of the suction member.

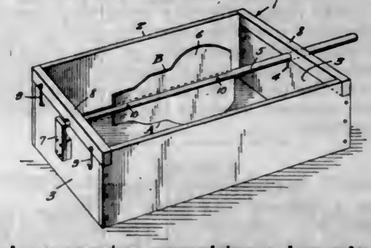
2,187,561
WINDOW FRAME AND STORM SASH
Erick G. Sampson, Jamestown, N. Y.
Application August 9, 1938, Serial No. 223,949
1 Claim. (Cl. 20—55)

In combination with a window frame, a sash detachably, connected with the frame, brackets carried by the window frame exteriorly of the room at the top of the frame, said brackets including hooks and pulleys, slotted clips attached to the upper margin of said sash, a pull line connected with the upper margin of the sash for elevating the latter, said pulleys being so arranged with respect to said hooks as to elevate the sash with the clips thereon positioned so as to engage the hooks, and cam means on said hooks for engaging said clips to move the latter and the sash outwardly for bringing the slots in the clips into registration with the hooks so that a continued pull on the pull line will move the



clips inwardly of the hooks to be retained thereby upon giving slack to the pull line, said brackets being provided with second hooks for connection with said clips to hold the sash in assembled relation with said frame.

2,187,562
APPARATUS FOR MAKING PLASTIC FORMS
Lloyd L. Smith, Minneapolis, Minn.
Application April 13, 1938, Serial No. 201,826
3 Claims. (Cl. 25—129)



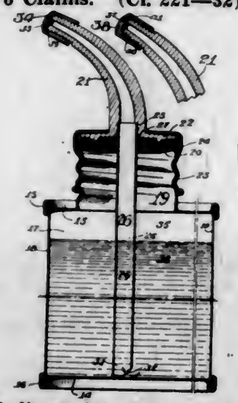
3. An apparatus comprising a box adapted to contain moistened mold sand, a shaft journaled on said box for rotation in opposite directions, and a plate secured to said shaft with portions disposed at opposite sides thereof, and with the longitudinal edges of the plate being shaped to a selected design, the longitudinal edge of one portion being spaced a greater distance from the shaft than the longitudinal edge of the other portion and at least one end of the second-mentioned portion being stepped inwardly from the corresponding end of the said first-mentioned portion.

2,187,563
ARTICLE OF MANUFACTURE
Raymond E. Thomas, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 22, 1937, Serial No. 149,665
6 Claims. (Cl. 91—68)

1. The process of preparing surgical tape which comprises impregnating a cloth base with an emulsion containing deacetylated chitin, removing the volatile phase, drying the impregnated cloth and thereafter applying a pressure sensitive adhesive containing uncured rubber, said

emulsion having sufficient solids to produce a discontinuous film of the deacetylated chitin after the solid phase has been removed.

2,187,564
SQUIRT CAN CONSTRUCTION
Robert M. Bagley, Haddonfield, N. J., assignor to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey
Application April 20, 1938, Serial No. 203,009
6 Claims. (Cl. 221—32)



2. A liquid-dispensing riser-spout for use with an original liquid container of the character described and provided with a screw-threaded discharge flange; said riser-spout comprising a soft-metal spout portion having an annular soft-metal basal flange formed integrally therewith and disposed co-axially with respect to the adjoining zone of the spout portion, and a riser-tube of relatively harder metal secured to said spout portion at the basal flange thereof and having a terminal portion thereof telescoped into said spout portion.

2,187,565
SYNTHETIC RESIN
Herman A. Bruson and John W. Eastes, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application April 30, 1938, Serial No. 205,242
10 Claims. (Cl. 260—63)

1. A resin derived by heating at esterification temperature a member of the group consisting of ketonic acids and their salts, having in their acidic form the formula—

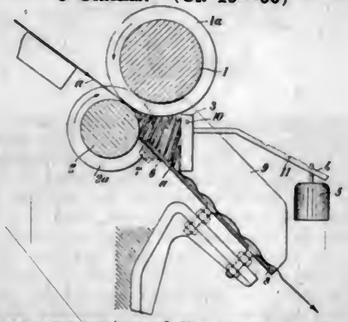
HOOC—R—CO—R′—O—A—X

wherein R is a divalent hydrocarbon group having at least two carbon atoms selected from the group consisting of the aliphatic and aromatic series, R′ is an arylene group, A is a member of the group consisting of alkylene radicals and polyalkylene ether radicals, having at least two carbon atoms in each alkylene group, and X is one of the group consisting of —OH, —O—acyl, and halogen.

2,187,566
PLASTICIZING NITROGENOUS RESINS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application December 29, 1938, Serial No. 248,195
10 Claims. (Cl. 260—33)

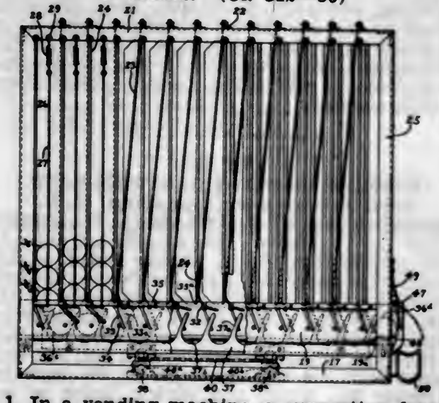
1. A method of plasticizing nitrogenous resins containing methylol groups which comprises incorporating therewith a condensation product of an aliphatic nitropolyhydric alcohol and a resin-forming organic polycarboxylic acid.

2,187,567
CRIMPING DEVICE
Paul Esselmann, Wolfen, Kreis Bitterfeld, Karl Kösslinger, Dessau, and Paul Saffert, Wolfen, Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application April 1, 1939, Serial No. 265,484
In Germany June 23, 1937
3 Claims. (Cl. 19—66)



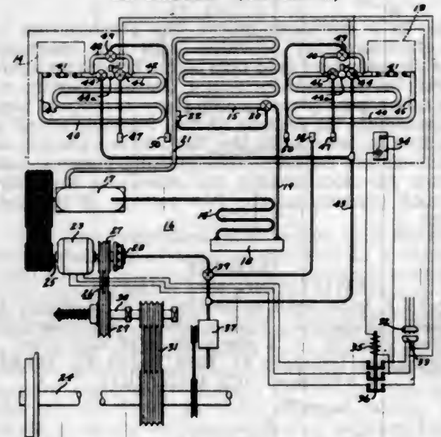
1. In an apparatus of the character described a device for crimping a continuous sliver of rayon staple fibers comprising, in combination, an upper delivery roller, a lower delivery roller having a U-shaped groove, a collecting trough, the side walls of said trough lying closely against said rollers, the floor of said trough engaging in said groove, a trap pivotally suspended within said trough and capable of closing that side of said trough which is not closed by said rollers, and a lever affixed to said trap carrying an adjustable weight.

2,187,568
VENDING MACHINE
John W. Gurley, Dayton, Ohio, assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application May 17, 1937, Serial No. 142,949
9 Claims. (Cl. 312—36)



1. In a vending machine, a supporting frame, parallel guide rails carried thereby, vertically disposed compartment forming members fixedly mounted upon said frame and rails, vertical guide rods disposed across the fronts of said compartments, article supporting springs having curved ends, anchored at their tops to said frame and extending downwardly in such a manner that the end of a given spring closes the bottom of the next adjacent compartment when the spring is held in vertical position by the presence of merchandise to be vended in the compartment in which the spring is disposed, cam means for directing merchandise from a feeding compartment to said guide rails, and means for impelling the merchandise forward thereon so as to periodically eject such from the machine.

2,187,569
REFRIGERATING APPARATUS
Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 29, 1935, Serial No. 29,118
18 Claims. (Cl. 62—6)



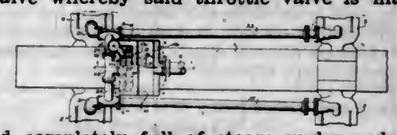
18. In a car, a compartment to be cooled, a receptacle for the reception of a cooling medium, means for cooling air for said compartment by said medium, a separate mechanical refrigerating system driven by an electric motor, and means throttling the cooling action of said medium in response to connection of said motor to a source of electricity.

2,187,570
POLYVINYL ACETALS
Georg Kränzlein and Ulrich Lampert, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 16, 1938, Serial No. 246,075. In Germany December 22, 1937
5 Claims. (Cl. 260—73)

1. The acetals of carbonyl compounds containing free carboxylic acid groups with compounds of the group consisting of polyvinyl alcohol and its derivatives containing free hydroxyl groups, said compounds being solid, amorphous, high molecular products soluble in alkalies.

2,187,571
STEAM DISTRIBUTION AND CONTROL FOR LOCOMOTIVES
James C. Maris, Glenolden, Pa.
Application September 24, 1937, Serial No. 165,571
4 Claims. (Cl. 60—1)

1. In combination, a steam locomotive having a high pressure boiler and simple expansion engine cylinders, a pressure reducing valve operative to maintain a reduced substantially constant outlet pressure, a throttle valve, means for supplying steam under full boiler pressure to said reducing valve and for conducting steam from the outlet side thereof under reduced pressure to said throttle valve whereby said throttle valve is main-

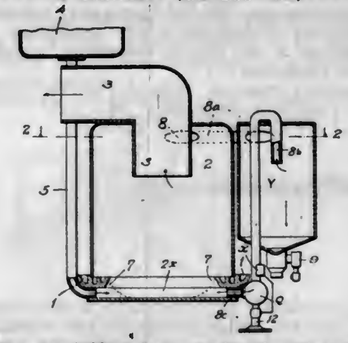


tained completely full of steam under reduced pressure at all times so that a full volume of low pressure steam can be instantly supplied to said cylinders, means for conducting steam from the throttle valve to the engine cylinders, and means for supplying steam under full boiler pressure to said engine cylinders after the reduced pressure steam is initially supplied thereto.

2,187,572
METHOD OF CONCENTRATING CITRUS FRUIT JUICES
Gotthold Harry Meinzer, Glendale, Calif., assignor to California Consumers Corporation, Los Angeles, Calif., a corporation of California
No Drawing. Application May 17, 1937, Serial No. 143,123
2 Claims. (Cl. 99—155)

1. The method of concentrating a citrus fruit juice which comprises: straining said juice and thereby removing coarse pulp therefrom; separating from said juice by centrifugal force a fraction containing the chromatophores; partially freezing the aqueous liquid remaining from said separation; rejecting the ice crystals, and recombining the concentrated liquid with said chromatophore fraction.

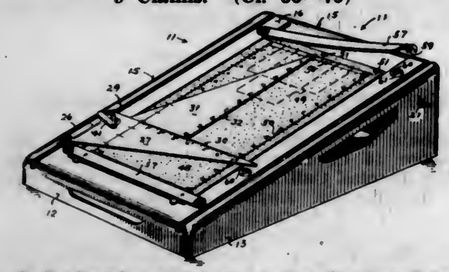
2,187,573
CENTRIFUGAL APPARATUS FOR CLEANING AND CONDITIONING AIR
Herbert McCornack, Howey-in-the-Hills, Fla., assignor to McCornack Inventions, Inc., Howey, Fla., a corporation of Florida
Application June 15, 1936, Serial No. 85,254
5 Claims. (Cl. 183—21)



1. In a centrifugal apparatus for cleaning and conditioning air, a substantially vertical cylindrical chamber, means for maintaining a body of liquid at a predetermined level in said chamber, a plurality of tangential air inlets adjacent said liquid level, liquid ducts cooperating with said air inlets to convey liquid from said body to the resulting, whirling air streams thereby pro-

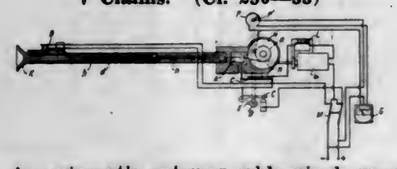
ducing a whirling mixture of air and liquid, an axial air outlet extending into the upper end of the chamber, a tangential liquid outlet from the top of said chamber through which entrained liquid and dirt are ejected by the momentum of the whirling mixture, a settling chamber connected with said tangential outlet, a conduit for returning purified liquid from said settling chamber to said body of liquid, and means for tempering the liquid in said last mentioned conduit so that desired characteristics will be imparted to the conditioned air.

2,187,574
TRACING APPARATUS
Ferdinand Nigra, San Francisco, Calif., assignor to Niagara Duplicator Company, San Francisco, Calif., a corporation of California
Application December 3, 1937, Serial No. 177,888
5 Claims. (Cl. 33—76)



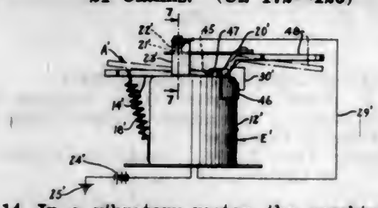
1. In drawing apparatus, a drawing board having a groove extending therein from its working surface, a T-square element having an elongated blade for extension across the working face of the board and a head block for engagement in said groove, a locking member pivoted to said block and arranged to have an end thereof normally held in frictional engagement with a groove side for frictionally engaging the block against the opposite groove side, a spring means coactive with the locking member to urge its operative disposal, and a cam means engaging the member and manually operative to inoperatively dispose said locking member.

2,187,575
ANTENNA WINCH FOR AIRCRAFT
Heinrich Schröder, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 25, 1938, Serial No. 215,745
In Germany May 29, 1937
7 Claims. (Cl. 250—33)



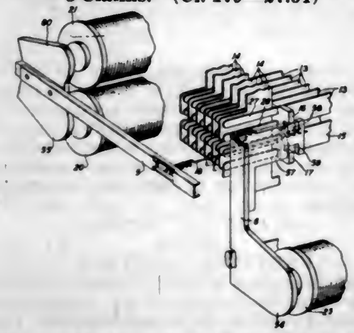
1. An automatic antenna cable winch comprising an electric motor arranged for rotation of said winch, guide means for said cable, an electrical circuit having a reversing switch connected thereto for reversing the direction of rotation of said motor, contact means for said motor, said contact means being located adjacent said guide means, a roller in frictional engagement with said cable, means secured to said roller to render said winch inoperative when tension on said antenna cable is lacking, and means to control the rotation of said winch by said motor when tension is present on said cable.

2,187,576
VIBRATORY ELECTROMAGNETIC MOTOR
Ralph R. Smith, Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 6, 1935, Serial No. 25,242
21 Claims. (Cl. 172—126)



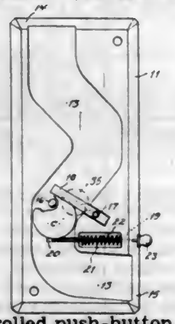
14. In a vibratory motor, the combination of an electromagnet provided with two magnetic pole pieces, one of said pole pieces having an apertured flat portion encircling the end portion of the other pole piece; a vibratory armature bent intermediate its ends to form a fulcrum which is adapted to bear upon the flat surface portion at a line closely adjacent the aperture therein; and means for maintaining the vibratory armature in such position on the flat portion of the pole piece.

2,187,577
SWITCHING MECHANISM
Sigurd J. Stockfleth, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1939, Serial No. 257,684
5 Claims. (Cl. 179—27.54)



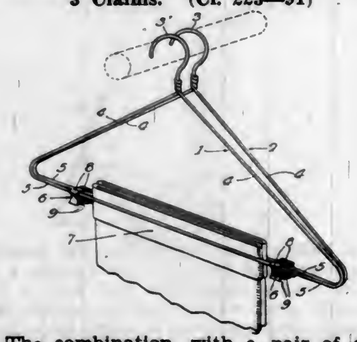
1. In combination in a switch of intersecting rows of separately operable contact sets, the contact sets at each intersecting point comprising a group of stationary contact springs and a group of movable contact springs, contact operating cards each individual to a group of movable contact springs and secured thereto to move said movable contact springs to make contact individually with the corresponding associated stationary contact springs, each of said cards being secured to a series of said movable springs by having opposing slots in said cards and by having two prongs on each movable spring engaging opposing slots at right angles to the cards, said opposing slots being wider than the thickness of the spring but cut on a bias so that the prongs will be held securely in said slots, selecting bars having selecting fingers thereon individual to the several contact sets and projecting into proximity with the corresponding card, means for actuating any one of said selecting bars to move the fingers thereof into operative positions with respect to the associated cards, holding bars and means for actuating any one of said holding bars to engage and move a positioned selecting finger and the associated card to close the associated movable contact springs into engagement with the associated stationary contact springs.

2,187,578
COIN CONTROLLED DOORBELL DEVICE
Murray P. Torrance, Lakewood, Ohio
Application September 22, 1937, Serial No. 165,159
4 Claims. (Cl. 194—8)



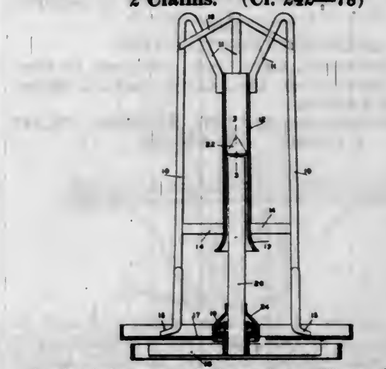
1. A coin controlled push-button unit for electrical doorbell systems comprising in combination, a base of non-conductive material having a coin chute therein, a case adapted to fit over the base to complete said chute, manually operable means adapted to intercept the chute including a sliding bar, resilient means to normally hold said bar in intercepting position within the chute, a pair of electrical terminals carried by the base, one of which is partially exposed within the chute, a spring member anchored to the other of said terminals and partially extending into the chute, and a push-button slidably carried by the case and adapted to be manually moved to cause a coin dropped in the chute and arrested by said bar to contact with one of said terminals and said spring member.

2,187,579
GARMENT HANGER
Robert von Knopke, St. Petersburg, Fla.
Application April 10, 1939, Serial No. 266,966
3 Claims. (Cl. 223—91)



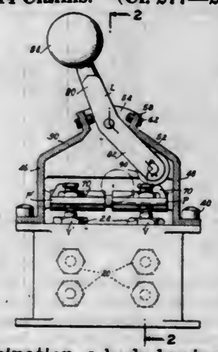
1. The combination, with a pair of garment hangers each having a horizontally extending member, of means adjustably connecting said hangers together to clamp and support a garment between the horizontally extending members thereof, said means comprising a clip formed with a plurality of open sockets selectively applicable to partially surround each of said members with one of said sockets.

2,187,580
STRIPPER REEL
Lafe Young and Alfred A. Boyle, Alton, Ill., assignors to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Original application October 24, 1937, Serial No. 181,667. Divided and this application September 17, 1938, Serial No. 230,405
2 Claims. (Cl. 242—78)



1. A stripper-reel for wire mill equipment including legs slightly converging toward the upper end of the reel and having lower ends turned over outwardly to form coil stops, the upper ends of said legs being turned over inwardly, a central sleeve connected at its upper end to the inturned portions of the legs, a base including a central spindle, a conical pilot pin rotatably mounted on the upper end of said spindle, the skirt of said pin projecting beyond the periphery of the spindle to prevent contact of the latter with the sleeve, means independent of the spindle for supporting the reel, braces between the legs and sleeve at an intermediate point of the reel, and a hook bar extending between two of said legs adjacent their upper ends.

2,187,581
VALVE OPERATING MECHANISM
Lloyd W. Young, Scotch Plains, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application October 20, 1937, Serial No. 169,921
14 Claims. (Cl. 277—20)



1. In combination, a body having a plurality of

passages extending therethrough; a spring closed valve controlling the flow of fluid through each of said passages; plates pivotally associated with said body and each operatively associated with one of said valves; an operating member pivotally associated with said body and movable relatively to said plates, said member, upon movement in one direction, engaging and depressing each of said plates in succession to open said valves in a preselected sequence; and means preventing further movement of said member in said one direction when said member is in engagement with and has depressed all of said plates to retain all of said valves open.

2,187,582

MIRROR CONSTRUCTION

John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana

Application November 24, 1937, Serial No. 176,249

4 Claims. (Cl. 88—96)



1. In a device of the class described and in combination, a circular mirror, a substantially circular plate backing member therefor having a laterally extending annular flange adapted to surround the edge of said mirror, said member having a flexible inner portion offset from the plane of said outer portion, a pliable sealing material between adjacent peripheral portions of said mirror, flange and backing member, a hollow shell-like support for said mirror having an open side portion, a flange on said support extending around said side portion adjacent the opening therein and adapted to receive said backing member, and a ring for securing said support and backing member together.

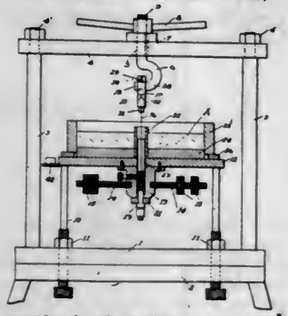
2,187,583

METHOD OF MAKING ABRASIVE WHEELS

Orello S. Buckner, Northboro, and Donald B. Wilson, Westboro, Mass., assignors to Bay State Abrasive Products Company, Westboro, Mass., a corporation of Massachusetts

Application July 29, 1936, Serial No. 93,250

6 Claims. (Cl. 51—278)



1. The method of making an abrasive wheel which comprises balancing the wheel mold on a point coinciding with the axis of the wheel to be molded, distributing the abrasive material in the mold so that the material and mold are again in balance about the same point, and subsequently compressing the abrasive material to form a wheel having the desired dimensions.

2,187,584

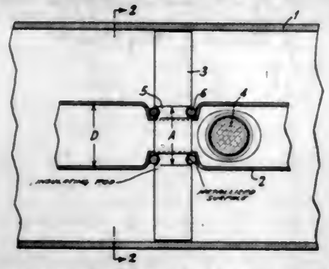
HIGH FREQUENCY ENERGY LINE

Albrecht Gothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application April 21, 1937, Serial No. 138,113

In Germany April 6, 1936

11 Claims. (Cl. 174—28)



1. A concentric high frequency line for the transmission of high voltages comprising an inner and an outer conductor, means for spacing said conductors apart, said means comprising a plurality of insulating members arranged to pass through apertures in flattened portions on said inner conductor, a groove on each one of said insulating members, and an elastic member co-operating with the groove on each insulating member to secure them on said flattened portions of the inner conductor so that the electric field between said inner and outer conductor is not altered.

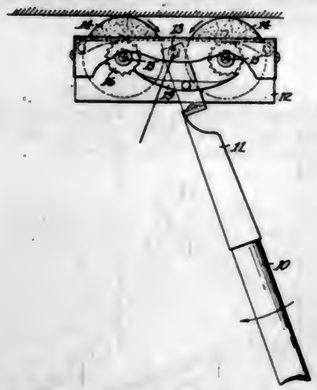
2,187,585

CEILING WASHING IMPLEMENT

Anthony Grigas, Worcester, Mass.

Application August 2, 1938, Serial No. 222,652

3 Claims. (Cl. 15—131)



1. In a ceiling cleaning device, the combination of a horizontal box open at the top, a pair of parallel shafts carried by said box, a roller fixed to each shaft and projecting equally above the box so as to be adapted to come into contact with the ceiling and prevent the box from engaging the ceiling under all conditions, a pair of ratchets having their teeth extending in opposite directions, one fixed on each shaft, a downwardly extending central handle pivoted to the box for supporting it, a double pawl pivoted on the handle and having an operating tooth projecting in each direction into contact with the separate ratchet wheels, whereby, when the handle is swung back and forth along its pivot and advanced along the ceiling, first in one direction and then the other, first one brush and then the other will be rotated and will be prevented from rotation at intermittent times.

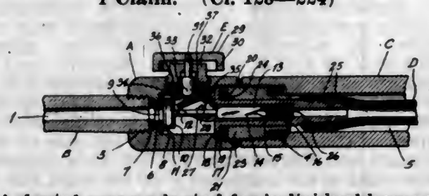
2,187,586

DENTAL SPRAY

William J. Hooper, Elsah, Ill., assignor of one-half to Harold A. Hooper, Chicago, Ill.

Application April 26, 1937, Serial No. 138,880

1 Claim. (Cl. 128—224)



A dental spray adapted for individual home use and comprising a body member, a fluid discharge nozzle and a quick acting and highly sensitive valve construction including a valve seat, a valve slidably mounted in the body member, tension means acting to normally close and retain the valve in seating relation with the valve seat, a stem on the valve and provided with a reduced portion and an abutment, a bifurcated valve operating member pivotally mounted in the body member straddling the reduced portion of the stem and adapted, when depressed, to engage the abutment and move the valve to an open position against the pressure of said tension means, a thumb-actuated plunger adapted to be depressed by a slight thumb pressure of the user for operating the valve, and a self-lubricating, non-metallic dam positioned between the plunger and valve-operating member, providing a seal and transmitting the pressure applied to the plunger to the valve-operating member for opening the valve.

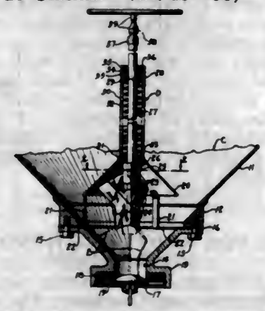
2,187,587

CLEANING DEVICE FOR HOPPER OUTLETS

Robert J. Kehl, Manhasset, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application August 3, 1935, Serial No. 34,502

16 Claims. (Cl. 48—38)



1. The combination of a container having an outlet adapted to discharge material from said container, such material tending to adhere to surfaces within and adjacent said outlet; and a cleaning device for dislodging such adhering material from such surfaces by contact with such surfaces, said device comprising a rotatable blade movable toward and away from said outlet, and means for rotating said blade and for moving the same toward and away from said outlet and into contact with such surfaces within and adjacent said outlet.

2,187,588

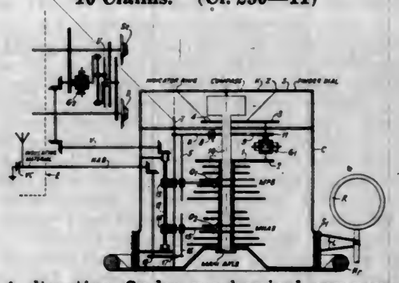
DIRECTION FINDER COMPENSATOR

August Leib, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 31, 1936, Serial No. 118,442

In Germany November 8, 1935

10 Claims. (Cl. 250—11)



2. A direction finder mechanical compensator in which an auxiliary antenna is simultaneously adjusted with different angular positions of a rotatable loop over a wide band of frequencies, comprising a loop antenna and an auxiliary antenna, a shaft coupled to said loop antenna for rotation thereof, a cam member whose contour is changed in both a vertical and a horizontal plane, said cam member secured to rotate with said shaft, a guide member arranged to bear against said cam, and means coupled to said guide member whereby the electrical value of said auxiliary antenna is changed as said loop is rotated.

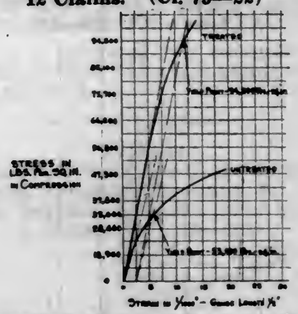
2,187,589

POROUS IRON ARTICLE AND METHOD OF MAKING SAME

Fritz V. Lenel, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

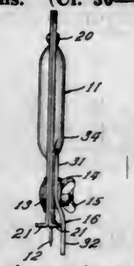
Application November 3, 1938, Serial No. 238,527

12 Claims. (Cl. 75—22)



7. In a method of preventing corrosion of porous sintered iron articles, that step comprising, treating a porous iron article in an atmosphere of an oxidizing gas at a temperature in a neighborhood of 1,050° F. and for a period of about 20 minutes to cause substantially the entire porous surface only of the iron to be oxidized to a superficial depth.

2,187,590
UTILITY KNIFE
August J. Lurie, Chicago, Ill.
Application August 16, 1938, Serial No. 225,106
2 Claims. (Cl. 30—2)



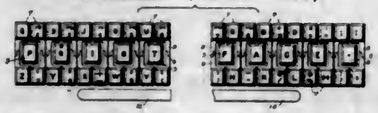
1. A knife for opening cartons and for miscellaneous purposes including an apertured blade, a handle for said blade including a pair of corresponding members carrying the blade therebetween, each having a bulging gripping portion at one end, a guide flange extending laterally therefrom at the other end, and a flat portion intermediate the bulging gripping portion and the guide flange having an elongated slot therein, said members being secured together with the flat portions of each correspondingly positioned and together forming a thin flat portion in said knife, an adjusting screw extending through the aperture in said blade and through the corresponding elongated slots for adjusting movement of the blade longitudinally of the slots and said thin flat portion, and a guide member for complementary action with one of said guide flanges having a flat mounting portion at one end and an offset guide portion at the other end, said flat mounting portion being slotted to receive said screw and said offset portion being of such a configuration and size that said guide member may be rotated at least 180° on said screw at said flat portion in the knife and said offset portion will lay over the bulging portions of one of the handle members in a position as not to interfere with normal gripping of the handle of the knife.

2,187,591
ELECTRON APPARATUS
William H. Manthorne, Bayshore, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 8, 1938, Serial No. 183,962
1 Claim. (Cl. 250—27)



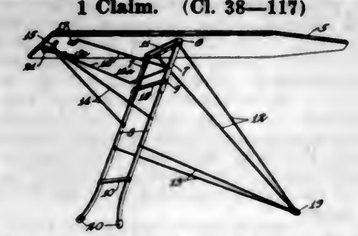
A vacuum tube having a filament and means to determine emissivity of various parts of the filament and to detect an abnormal state of the filament, the said means consisting of a grid coacting with the filament and movable longitudinally along the same, and electrical means connected to the grid and to the filament to measure emission of electrons by the filament.

2,187,592
KEYBOARD
Frank L. Paul, New York, N. Y.
Application May 4, 1938, Serial No. 205,902
1 Claim. (Cl. 197—100)



A keyboard for a typewriter or typesetting machine comprising a plurality of guide keys arranged in a row and having the letters PRINT FACE arranged thereon, and a plurality of secondary letter keys arranged in a row adjacent and in staggered relation to the guide keys, the secondary letter keys disposed to the left of the guide key T on the left side of the keyboard and the secondary letter keys disposed to the right of the guide key F on the right side of the keyboard being provided with letters which in alphabetical sequence follow the letters on their respective guide keys.

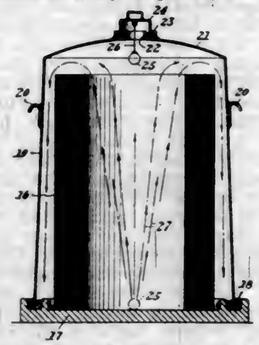
2,187,593
IRONING TABLE
Christ Tonn, Minneapolis, Minn., assignor to Henry V. Keller, Minneapolis, Minn.
Application October 19, 1936, Serial No. 106,322
1 Claim. (Cl. 38—117)



In an ironing table, a top, a front leg pivotally connected to said top, collapsible rear legs pivotally connected to said top, said collapsible legs including pivoted break joints whose pivots are adapted to move rearwardly when said joint is broken, a brace connecting portions of said jointed rear legs to said top rearwardly of the first mentioned connection between said rear legs and said top, and a rear leg locking element comprising a member pivoted to said top and extending forwardly into engagement with said jointed rear legs at the rear sides of said legs, said rear legs when set up being substantially tangent to the arcuate path of movement of said locking member, whereby said locking member is positioned to swing into wedging engagement with said rear legs.

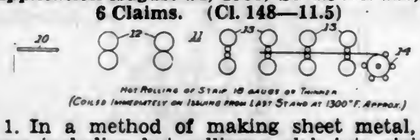
2,187,594
METHOD FOR PROVIDING NONOXIDIZING ATMOSPHERE
Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Company, Inc., a corporation of Ohio
Application July 18, 1938, Serial No. 219,936
2 Claims. (Cl. 148—16)

1. In a method of making sheet metal by hot-rolling a slab into strip while exposed to the atmosphere, and coiling the strip in the air while hot from the rolling, the steps including substantially immediately disposing the coil of strip



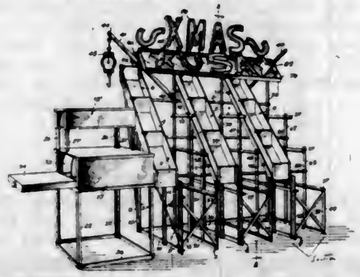
in an enclosure, and placing in said enclosure means adapted to supply a nonoxidizing fluid therein when subjected to the heat from said coil.

2,187,595
METHOD OF MAKING SHEET METAL
Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application August 24, 1938, Serial No. 226,510
6 Claims. (Cl. 148—11.5)



1. In a method of making sheet metal, the steps including hot rolling a slab into strip in the open air, coiling the strip, substantially immediately disposing a coil of hot-rolled strip, while at a temperature of 1000° F. or above, on a supporting base, lowering a protective cover thereover, supplying a non-oxidizing atmosphere within said cover, and, when the strip has cooled substantially to atmospheric temperature, cold rolling it to gauge in the absence of contact with acid.

2,187,596
DISPLAY STAND
George Zaninovich, Dinuba, Calif.
Application April 16, 1938, Serial No. 202,367
3 Claims. (Cl. 211—71)



1. In a display stand for displaying fruit and other articles including a supporting section formed of a plurality of spaced uprights, said uprights being disposed in pairs and the various pairs being of different heights, said pairs being disposed with the shortest pair at the front and the next shortest pair in back of the shortest pair and the remaining pairs in the same order so that the longest pair will be at the rear of the section, a connecting rod for each pair of uprights spaced from the top of the uprights, each of said rods being surrounded by a spacing tubular member, and an angle bar secured to the uprights below each of said rods and connecting said pairs in spaced relation, each of said angle bars having one end turned up to form an abutment, said angle bars coacting with said rods for supporting containers on said section with the containers held at an angle to the horizontal.

2,187,597
ANESTHETIC
James G. Blaso, East Elmhurst, Long Island, N. Y.
No Drawing. Application July 17, 1937, Serial No. 154,189. Renewed November 22, 1939
1 Claim. (Cl. 167—52)

A non-precipitating, non-narcotic, non-alkaloidal, self spraying liquid, synthetic local anesthetic preparation, capable of being sprayed through a fine capilliary orifice of a spray nozzle without deposition of anesthetic and without clogging, said preparation comprising a synthetic local anesthetic, dissolved in a mixture of a relatively small amount of benzyl alcohol and a relatively large amount of ethyl chloride, said local anesthetic being an organic compound selected from the group consisting of Alypin, Aposthesine, Butyn, Diothane, Larocaine, Metycaine, Nupercaine-Ciba, Orthoform, Phenacaine, Procaine, Tutocain, Benzocaine, and Butesin and their borates, hydrochlorides and other salts.

2,187,598
SELF-SPRAYING ANESTHETIC PREPARATION
James G. Blaso, East Elmhurst, Long Island, N. Y.
No Drawing. Application April 19, 1939, Serial No. 268,747
5 Claims. (Cl. 167—52)

1. A non-precipitating, self-spraying liquid, synthetic local anesthetic preparation, capable of being sprayed through a fine capillary orifice of a spray nozzle without deposition of anesthetic and without clogging, said preparation comprising a synthetic local anesthetic, dissolved in a mixture of a relatively small amount of benzyl alcohol and a relatively large amount of ethyl chloride, said local anesthetic being an organic compound having the formula

$$NH_2.C_6H_4.CO.O(CH_2)_2.NH(HCl).R$$

where R is a saturated low molecular weight alkyl group selected from the group consisting of butyl and amyl.

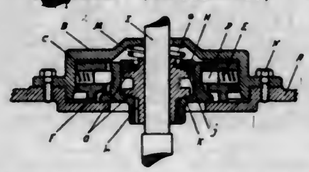
2,187,599
TAPER FEEDING HAIR CLIPPER COMB
Joseph Cromonic, Brooklyn, N. Y.
Application September 27, 1937, Serial No. 165,865
4 Claims. (Cl. 30—201)



1. In combination with a hair clipper having a movable comb plate cooperative with a stationary comb plate on the rear of which is mounted

a cover plate, a stationary handle and a movable handle for moving said movable comb plate, a spacer comb engaging over said combs and slidably mounted on said stationary comb plate by rack elements thereof engaging slots in said stationary comb, a shaft turnably mounted on said cover plate, gear segments mounted on said shaft and engaging said rack elements, and a handle on said shaft by which it may be manually turned by one's finger for moving the same, said shaft being formed of sections having overlapping portions, and a pin for holding said sections together, a lug mounted upon said shaft and held by said pin, and resilient means connected with said lug and a stationary part on said hair clipper for tending to turn said shaft in one direction.

2,187,600
BEARING ASSEMBLY
John Gustaf Degerth and Louis Dombrowsky, Helsingfors, Finland, assignors, by mesne assignments, to Wärtsilä-Yhtymä O/Y.-Wärtsilä-Koncernen A/B, Vartsila, Finland
Application October 26, 1938, Serial No. 237,098
In Finland November 24, 1937
3 Claims. (Cl. 308—147)



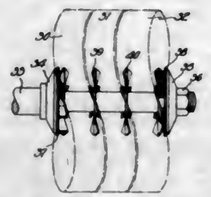
1. A bearing assembly comprising a rotatable shaft, a bushing disposed around the shaft and having an annular projecting portion formed therearound with a pair of angularly disposed bearing surfaces which converge towards the periphery of said portion, a fixed support, a housing for the bearing assembly mounted on the support, an annular bearing member mounted on the fixed support and having an angularly disposed bearing surface adapted to engage one of the bearing surfaces on the bushing and a cylindrical flange surrounding and spaced from the bushing, a second annular bearing member having an angularly disposed bearing surface adapted to engage the other bearing surface of the bushing, means including resilient members extending between the sides of the housing and the cylindrical portion of the first bearing member, and a resilient member disposed parallel to and coaxially with the shaft and extending between the second bearing member and the housing, said resilient members being adapted to urge the bearing members into contact with the bearing surfaces of the bushing and to permit limited vibrations of the shaft while preventing transmission of the vibrations to the housing.

2,187,601
METHOD OF NODULIZING
Daniel Glaxner, Pampa, Tex., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Application December 17, 1937, Serial No. 180,299
2 Claims. (Cl. 134—60)



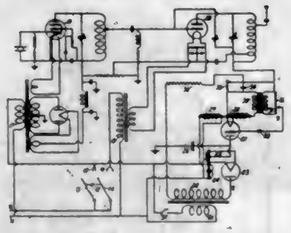
1. The method of nodulizing carbon black in a substantially horizontally disposed drum having a fin projecting inwardly from the inner wall thereof and extending helically therethrough to provide a horizontal, elongated, helical path through the drum which comprises introducing a mass of dry fluffy carbon black into the drum, slowly advancing the carbon black through said helical path by slow rotation of the drum to cause the fin to exert a constant forward pressure against the rear of the carbon black in said path and to cause a rolling or tumbling of the carbon black as it slowly passes through said helical path, thereby to cause the particles of the carbon black to frictionally contact one another and the confining walls of the path, said helical path being of sufficient length that the carbon black passing therethrough is compacted and the particles thereof caused to adhere and agglomerate into substantially dustless, free-flowing nodules by said rolling or tumbling motion, and discharging the nodulized carbon black substantially continuously.

2,187,602
WAVE-FORMING DEVICE FOR BUFFS
Louis M. Hague, Rumson, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application June 23, 1938, Serial No. 215,338
6 Claims. (Cl. 51—193)



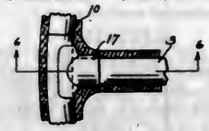
1. A wave-forming member for buffs, comprising a hollow body provided with a circumferentially undulatory buff-engaging face, said hollow body having ventilating openings at its inner and outer peripheries.

2,187,603
RADIO TRANSMITTER
Nathan I. Hall, Elkins, W. Va.
Application February 5, 1937, Serial No. 124,296
24 Claims. (Cl. 250—17)



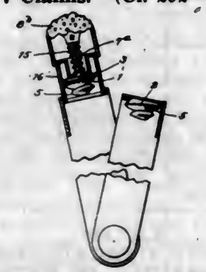
1. The method of starting a radio transmitter of the master oscillator power amplifier type which includes heating the cathode of the oscillator tube to its normal electron emission temperature and rectifying the output of the oscillator tube and effecting biasing of the amplifier tube principally by such rectified output before the cathode of the amplifier tube is heated to its normal electron emission temperature.

2,187,604
AUTOMOBILE STEERING WHEEL CONSTRUCTION
Harry A. Husted, Sandusky, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application November 29, 1935, Serial No. 52,157
5 Claims. (Cl. 74—552)



1. An automobile steering wheel comprising a hub, solid unit spoke members and an imperforate tubular rim annulus, said hub having short radially projecting arms with radial openings therein for receiving and retaining one end of each of said spoke members, a tubular sleeve embracing the other end of each spoke member and extending therebeyond, said tubular sleeves having portions partially embracing the inner periphery of the rim, said sleeves being welded to the spokes and rim concurrently.

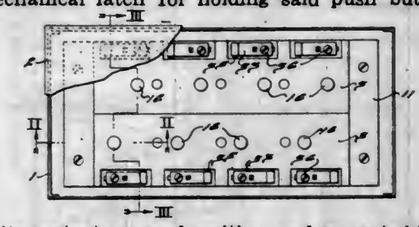
2,187,605
FASTENER FOR WOMEN'S HANDBAGS AND OTHER ARTICLES
Arthur Ilische, Rye, N. Y.
Application December 31, 1938, Serial No. 248,817
7 Claims. (Cl. 292—251)



1. A two-member fastener, the engaging portions of the members being tapered and terminating in a blunt end, the said tapered portions being proportioned to freely enter one into the other in self-centering nested relation without interlocking, cooperating screw-threads on the members of such form that relative rotation through a partial revolution will cause full interlocking engagement of the nested members, and a two-part mounting for the fastener members, the two parts of the mounting being relatively movable to position the fastener members for interlocking engagement.

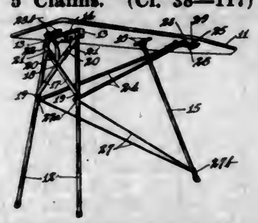
2,187,606
CIRCUIT BREAKER
John G. Jackson, Detroit, and Wallace T. Allen, Royal Oak, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Original application October 31, 1935, Serial No. 47,524, now Patent No. 2,156,760, dated April 5, 1939. Divided and this application November 23, 1938, Serial No. 241,938
15 Claims. (Cl. 200—116)

1. An electric circuit breaker comprising a stationary contact, an operating push button, a member carried by said push button and movable relative thereto, a movable contact carried by said member and cooperating with said stationary contact, a current responsive latch normally latching said member to said push button, a mechanical latch for holding said push button



in its contact engaged position, and separate biasing means for said push button and member providing for individual movement thereof when released by said current responsive latch.

2,187,607
IRONING TABLE
Henry V. Keller, Minneapolis, Minn.
Application October 19, 1936, Serial No. 106,295
5 Claims. (Cl. 38—117)

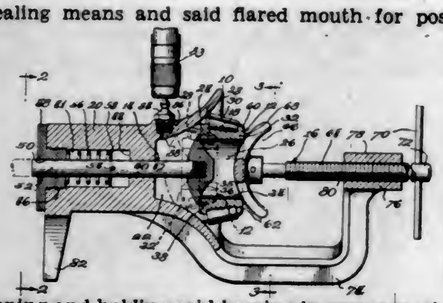


2. In an ironing table, a top, a front leg pivoted to said top, rear legs pivoted to said top for longitudinal and lateral movement relative to the top, a brace pivotally connecting said front and rear legs, jointed crossed bracing elements pivotally connected between said rear legs and pivotally joined at their point of crossing to permit expansive pivotal movement of said elements for extending said rear legs laterally, and brace operating and holding means comprising a bar pivotally connected between said cross bracing elements at their point of pivotal crossing and a point on the underside of said top, the connection between said bar and said top being offset with respect to a line between the pivotal connections between said rear legs and said top, the disposition of said bar relative to said rear legs and their bracing elements being such that swinging of said rear legs will produce lateral movement of said rear legs, and the offset position of said bar producing a pivot tightening strain on said brace and said legs in one position of said legs.

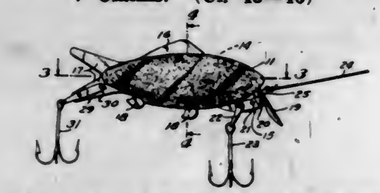
2,187,608
LUBRICATING APPARATUS
Willis A. Kropp, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 4, 1937, Serial No. 167,141
10 Claims. (Cl. 184—1)

1. A lubricant packing tool comprising a lubricant compartment adapted to be placed under pressure and having a mouth defining a surface of revolution adapted to receive the perimeters of bearings of different sizes in lubricant sealed relationship, sealing means resiliently mounted in said compartment for engaging the inner face of a bearing member inserted into said mouth, and means reciprocably mounted relative to said

sealing means and said flared mouth for positioning and holding said bearing in grease receiving relationship.

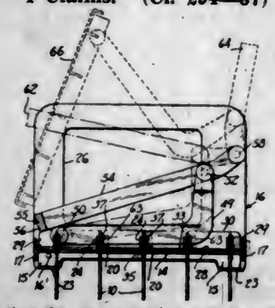


2,187,609
FISH LURE
Karl R. Larson, Minneapolis, Minn.
Application September 16, 1938, Serial No. 230,255
7 Claims. (Cl. 43—46)



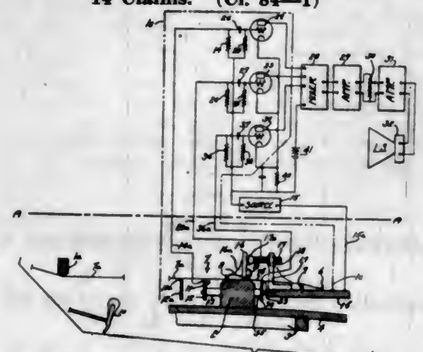
1. A fish lure of the kind described comprising an upright center plate and reversely bulged side plates secured thereto with water-tight joints, said side plates being impervious to the passage of water and forming an air tight chamber within the lure body, said center plate having front and rear flanges projecting beyond the side plates, a depending spoon anchored to the front flange of said center plate, and a hook anchored to the rearwardly projecting flange of said center plate.

2,187,610
HANDLE SUPPORTING MECHANISM
Morris Lazow, Brooklyn, N. Y.
Application July 6, 1938, Serial No. 217,783
4 Claims. (Cl. 294—87)



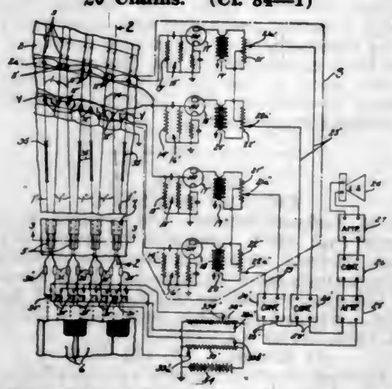
1. A device for supporting a plurality of handles for frozen confections during the freezing operation, the device being adapted to be positioned on a frame supporting a plurality of molds in spaced relation, such device comprising a substantially rectangular base plate having a plurality of apertures therein positioned relative to the molds in said frame, the material cut from the metal to form such apertures being upwardly bent to form vertical stationary handle supporting elements, a second plate positioned upon and being transversely movable relative to said base plate, the movable plate also having a plurality of apertures therein through which the handle supporting elements pass, the material from said apertures likewise being upwardly bent to form movable handle supporting elements, link connections between the upper and lower plates for moving one relative to the other, and means for removing the upper plate from engagement with the lower plate when the device is to be cleaned.

2,187,611
METHOD AND APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn, N. J., assignor to Miessner Inventions, Inc., Millburn, N. J., a corporation of New Jersey
Application March 2, 1937, Serial No. 128,611
14 Claims. (Cl. 84—1)



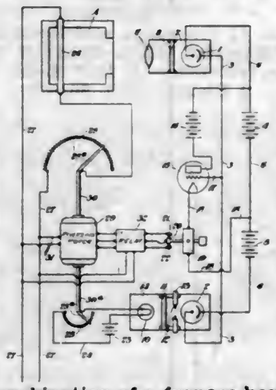
1. In the production of a musical tone from the vibration of a tuned vibrator, the method of controlling the quality of said tone which comprises separately translating from said vibration electric oscillations representing respectively the first power and at least one higher power thereof, controlling said oscillations in respect of their relative amplitudes, and combining said controlled oscillations.

2,187,612
METHOD AND APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn, N. J., assignor to Miessner Inventions, Inc., Township of Millburn, County of Essex, N. J., a corporation of New Jersey
Application July 22, 1938, Serial No. 220,722
20 Claims. (Cl. 84—1)



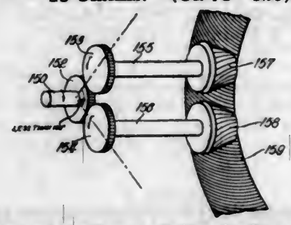
1. A musical instrument for the production of a series of notes, having for each note a plurality of slightly detuned vibrators; means associated with the vibrators of each note for exciting the same; mechanico-electric translating means, comprising a plurality of translating systems each associated with a respective vibrator of each of the several notes; and means, connected with said translating means, for differentially controlling qualitative characteristics of the oscillations translated by the respective said systems.

2,187,613
CONTROLLER
John T. Nichols, Pittsburgh, Pa., assignor, by mesne assignments, to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 17, 1933, Serial No. 680,886
Renewed June 17, 1939
9 Claims. (Cl. 250—41.5)



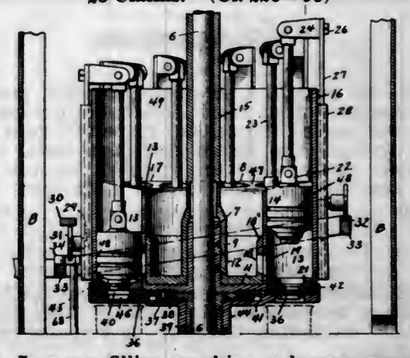
1. The combination of a furnace having a heat control, a photoelectric unit arranged to receive light from the interior of said furnace, a second photoelectric unit, variable illuminating means for said second unit, means controlled by the relative conductivities of said units for operating said heat control and means for varying said illuminating means proportionately to the operation of said heat control.

2,187,614
AXLE CONSTRUCTION
Donald D. Ormsby, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 22, 1937, Serial No. 132,264
18 Claims. (Cl. 74—326)



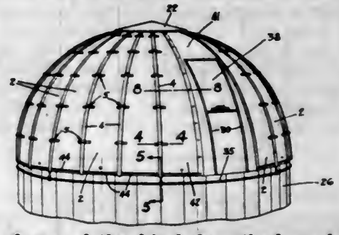
1. In combination, a drive shaft, a pair of parallelly disposed intermediate shafts disposed in a vertical plane on one side of said drive shaft, a ring gear, pinion means integral with corresponding ends of said intermediate shafts and having meshing engagement with the same lateral face of said ring gear, and means on said driving shaft for transmitting driving torque to both said intermediate shafts.

2,187,615
CAN FILLING MACHINE
Charles H. Ayars, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J., a corporation of New Jersey
Application August 1, 1938, Serial No. 222,425
25 Claims. (Cl. 226—96)



1. In a can filling machine, a hopper comprising a rotating part and a stationary cup part, measuring cylinders arranged concentrically within the rotating part of said hopper, a plunger in each cylinder, and means arranged to permit the plungers to successively draw charges from said cup part, the upper ends of said cylinders communicating with the rotating part of said hopper.

2,187,616
SILO ROOF
James Cowin, Minneapolis, Minn., assignor to Cowin and Company, Minneapolis, Minn., a corporation of Minnesota
Application September 26, 1938, Serial No. 231,742
11 Claims. (Cl. 108—32)



11. A dome of the kind described made up of a multiplicity of spherical segments having substantially U-shaped interlocking channel-like reenforcing flanges at their edges, the flanges at the one edge being relatively narrow and the flanges at the opposite edge being relatively wide, the relatively narrow channel-shaped flanges being nested within the relatively wide channel-shaped flanges, with lateral clearance such as would permit circumferential expansion and contraction of the dome structure, and means for locking the interlapped channels in said interlapped condition.

2,187,617
MACHINE FOR FLOCKING
Robert E. Fogg, Lynn, Mass.
Application September 30, 1936, Serial No. 103,321
11 Claims. (Cl. 91—8)

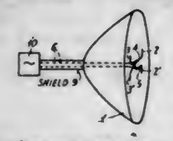
7. A machine for flocking comprising a vibrator table having a horizontally supported plate, means for vibrating said plate vertically, means

for removably securing material to be flocked on said plate while exposing adhesive containing areas of the material, a trough supported over the table and surrounding said plate, cross strips in the trough adjacent the ends of said plate, flexible strips connecting said plate to the trough and cross pieces, a box slidably mount-



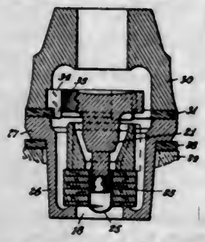
ed in the trough, a screen in said box, means for supplying flock to said screen, an opening in the box, under the screen, to permit flock to sift through the screen onto the plate, and suction means, operating through an end of the box, for removing unused flock from the plate.

2,187,618
RADIO BEACON SYSTEM
Ernst Gerhard, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 6, 1936, Serial No. 83,859
In Germany July 24, 1935
8 Claims. (Cl. 250—11)



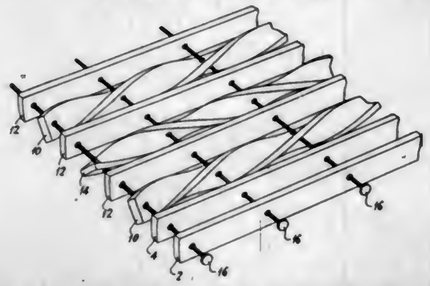
3. In a radio beacon system of the type wherein ultra-short wave energy is caused to be directed by a paraboloidal reflector in two beams at a slight angle one to the other, the method of separating said beams by a sharply defined vertical zone of minimum field intensity which comprises establishing points of radiation substantially a quarter wave length horizontally removed from and oppositely disposed with respect to the focus of said reflector, feeding energy to be radiated continuously to all of said points, and radiating the energy contra-phasally from such of said points as are correspondingly situated on opposite sides of said vertical zone.

2,187,619
BOTTLE CLOSURE
Edgeworth Greene, Upper Montclair, N. J., assignor to Inter-Seal Corporation, New York, N. Y., a corporation of New York
Application March 16, 1937, Serial No. 131,123
Renewed June 22, 1939
8 Claims. (Cl. 215—22)



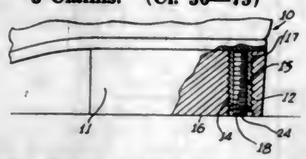
5. In a bottle stopper for attachment to a bottle to render the same non-refillable a valve casing having an inlet opening and having therein a valve member, a substantially centrally disposed stem and a weight freely slidably mounted on the stem, said weight having a through opening, said valve member having a substantially centrally disposed orifice, a rod-like secondary valve-actuating member passing through said stem and said weight into said valve member orifice, said stem having a portion provided with a surface circular in cross section and inclined at an angle to the axis of the stem, a part of the wall of the through opening of said weight being inclined at substantially the same angle as the inclined surface of the stem and being of such diameter relative to the stem that the inclined surfaces can contact only substantially longitudinally linearly, the center of gravity of said weight being so located that the weight is actuated by gravity toward the valve seat when the bottle is in a horizontal position.

2,187,620
MAT
Wallace G. Grossman and Howard Field Carpenter, White Plains, N. Y.
Application November 13, 1937, Serial No. 174,278
4 Claims. (Cl. 20—78)



1. A mat comprising a pair of edge strips, each edge strip comprising a pair of parallel strips of rectangular cross-section, a series of twisted strips, twisted along their longitudinal axes, between and parallel to said edge strips, strips of rectangular cross-section between said twisted strips, and rods or wires fastened through all of said strips for keeping them together, said alternate twisted strips being twisted in the same direction, the other alternate twisted strips being twisted in an opposite direction, all of the aforementioned strips being made of rubber-like material.

2,187,621
HEEL SAVER FOR SHOES
Clarence R. Hanus, Milwaukee, Wis.
Application May 13, 1939, Serial No. 273,445
3 Claims. (Cl. 36—75)

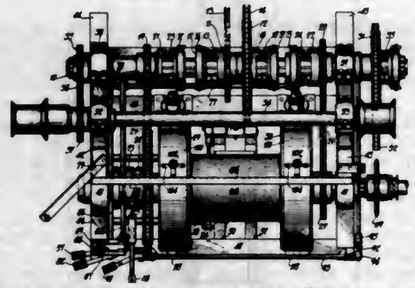


1. A heel having a vertical screw threaded opening, a member screwed within said opening, and having an internally screw threaded opening therein, and a screw screwed within said internally screw threaded opening, the external screw threads of the tubular member being coarser than the threads of the internally screw threaded opening, and extending in a direction opposite to the threads of said internally screw threaded opening.

2,187,622
LIGHT-DIFFUSING COATING MATERIAL
Walter E. Koerner, East Orange, N. J., assignor to Utility Electric Corporation, East Newark, N. J., a corporation of New Jersey
No Drawing. Application August 9, 1938, Serial No. 223,853
7 Claims. (Cl. 134—1)

1. A coating composition consisting of a pure, refractory, non-volatile, water-free, finely divided pigment incorporated in a vehicle composed of sodium silicate having a silica to soda ratio of 3.22 to 1 dissolved in distilled water, said solution having a specific gravity of 1.014.

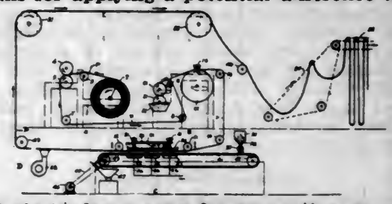
2,187,623
DRAW-WORKS FOR ROTARY DRILLING APPARATUS
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey
Application May 28, 1937, Serial No. 145,348
2 Claims. (Cl. 254—187)



1. A draw-works for rotary drilling apparatus which comprises a base having a pair of spaced longitudinal beams, a pair of upright bearing members, one on each said beam, crossbeams connecting said longitudinal spaced beams, a drum shaft journalled in and between said bearing members, a drum rigidly mounted on said drum shaft, a line shaft journalled in and between said bearing members at approximately the level of said drum shaft, a pair of sprockets on said drum shaft, a corresponding pair of driving sprockets on said line shaft, a clutch between each said driving sprocket and said line shaft, a chain connecting each drum shaft sprocket to its corresponding line shaft sprocket, one of said sprocket and chain connections driving said drum shaft at a slower speed than the other, a clutch means between said lower speed sprocket and said drum shaft, means mounted on said frame to connect each of said driving sprockets individually to said line shaft, a pair of driven sprockets rotatably mounted on said line shaft, clutches between each of said sprockets and said line shaft, and a common mechanism to engage one of said driven sprocket clutches and disengage the other alternatively to and from said line shaft.

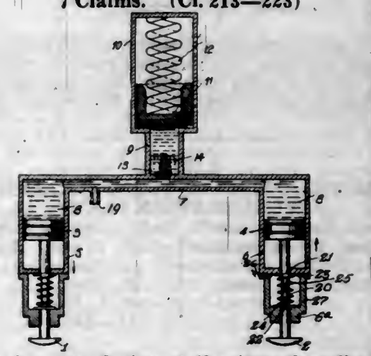
2,187,624
APPARATUS FOR THE MANUFACTURE OF COATED WEBS
Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 10, 1932, Serial No. 636,982
12 Claims. (Cl. 91—18)

1. Apparatus for the manufacture of granular coated webs comprising an electrode of good conducting material positioned above and spaced apart from an electrode of sufficient conductivity to permit a leakage current to flow therethrough but of sufficient resistance to prevent spark-over or arcing to the upper electrode, means for applying a potential difference to the



said electrodes, means for supporting an adhesive coated web between said electrodes and with an adhesive coated surface downward, and means for supplying granular particles between said web and the lower of said electrodes, said apparatus being adapted to electrostatically project granular particles against the downwardly facing adhesive surface of the web.

2,187,625
BUMPER ESPECIALLY APPLICABLE TO RAILWAY VEHICLES
Jean Mercier, Paris, France
Application March 7, 1936, Serial No. 67,715
In France March 12, 1935
7 Claims. (Cl. 213—223)

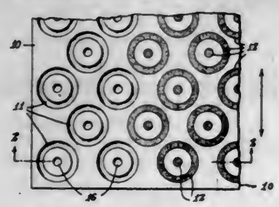


1. A bumper device of the type described, for use in connection with a vehicle and especially a railway vehicle, which comprises, in combination, two mechanically independent buffers carried by said vehicle on either side of the longitudinal axis thereof, said buffers being movable with respect to said vehicle parallelly to said axis in either direction from their respective normal positions, in which they are both in a common transverse plane, two cylinders rigidly carried by said vehicle parallel to said axis, pistons movable in said cylinders respectively, with a fluidtight fit, and rigid with said buffers respectively, a passage interconnecting the respective chambers of said cylinders that are located on the same respective sides of said pistons, an incompressible liquid filling the whole of said chambers and said passage, for interconnecting said pistons so that a movement of one buffer in one direction produces an equal movement of the other in the opposite direction, a third cylinder connected at one end to said passage, a piston movable with a fluidtight fit in said third mentioned cylinder, the same liquid filling the portion of said third cylinder extending between the piston thereof and said passage, means for elastically opposing

displacements of said third mentioned piston in response to pressure rises in said passage and said chambers produced by shocks on said bumpers exerted simultaneously in the same direction, and means for freely admitting liquid from said passage to said third cylinder and braking the flow of said liquid from said third mentioned cylinder to said passage.

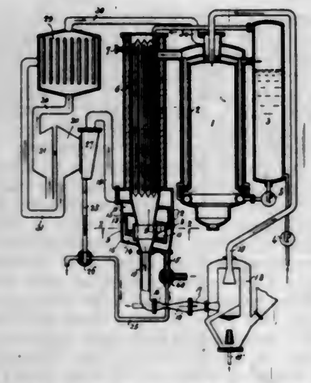
7. A bumper device according to claim 4 further including elastic means, of a strength low enough for avoiding interference with the normal working of the device, for urging said pistons back into their intermediate relative positions in their respective cylinders when no action is being exerted thereon.

2,187,626
SELF-LUBRICATING BEARING
Edward B. Merriman, Cambridge, Mass., assignor to Merriman Brothers, Incorporated, Boston, Mass., a corporation of Massachusetts
Application July 2, 1938, Serial No. 217,239
2 Claims. (Cl. 308—239)



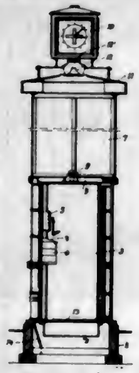
1. A self-lubricating bearing comprising a body portion provided with annular pockets which are filled with a solid lubricant and are spaced to overlap in the direction of movement on the bearing.

2,187,627
COMBUSTION, HEAT-TRANSFER, AND GAS PURIFICATION PLANT
Walter Gustav Noack, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a corporation
Application February 26, 1936, Serial No. 65,814
In Germany March 1, 1935
2 Claims. (Cl. 110—104)



1. A heat-transfer plant comprising a pulverized fuel fired combustion chamber in which hot gases are produced, a plurality of heat consuming means connected to said combustion chamber and receiving hot gases therefrom for their operation, a dust separator for separating fly ash and unburnt coal and coke particles from said hot gases, said separator being interposed between said heat consuming means with respect to the gas flow for removing solid particles from said gases after their temperature has been reduced in one of said means and before they enter another of said means, a pulverizer connected to said combustion chamber for pulverizing and delivering the fuel for firing said combustion chamber, and a conduit connecting said dust separator and said pulverizer for returning solid particles separated in said separator to said pulverizer and back to said combustion chamber.

2,187,628
SIGNALING AND ALARM DEVICE
Hans Reichert, Berlin, Germany
Application July 21, 1938, Serial No. 220,568
In Germany April 18, 1936
2 Claims. (Cl. 179—5)



1. In a direct call device for attachment to a telephone in independent relation with respect to the dial and coin box of the telephone, said device including a normally locked revoluble motor driven shaft, a current impulse disc bodily carried by said shaft and having its edge formed with a recess corresponding to a connection for the direct call, a spring controlled impulse current take-off arm arranged adjacent to and spaced from said disk, said arm being pivoted at one end and formed intermediate its ends with a laterally disposed contact overhanging and normally disposed in spaced relation to the edge of said disk and for correlation with said edge and recess, a shaft locking disc bodily carried by the shaft and formed with a groove in its edge, a spring controlled pivoted shaft locking structure including a locking pin disposed to ride against the edge of and normally engaging in the groove of said locking disc for locking the shaft from revolving, a magnet interposed in a normally opened circuit and having its armature connected to the other end of said arm and provided with releasable means for and normally spaced from said structure, and a call designated normally inactive circuit closing device interposed in said circuit and provided when active for closing the latter for energizing said magnet whereby the armature of the latter will be moved in a direction to simultaneously shift said arm to move said contact in coacting relation with respect to said disc and the releasing means on the armature to an extent to move said pin out of the groove in the locking disc to permit of revolving of the shaft so as to provide for said contact and impulse disc to establish the connection for the call.

2,187,629
SKATE PROTECTOR
Lester D. Rhoades and Alfred L. Rhoades, Englewood, Colo.
Application May 3, 1938, Serial No. 205,706
1 Claim. (Cl. 280—11.38)



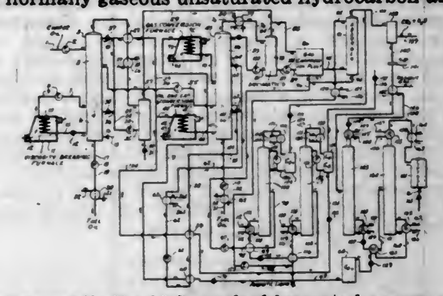
An ice skate runner protector comprising: a pair of independent, solid, metallic blocks spaced-apart along said runner, said blocks being of greater width than length, the front and rear faces of said blocks being perpendicular, the sides thereof being inclined inwardly to a narrower top portion, the sides of said top portion being perpendicular; a vertical slot across each top portion for receiving said runner, said slots being positioned in alignment and at right angles to the greatest width of said blocks; a set screw threaded into one side of the upper portion of each block at the bottom of the said perpendicular side of said upper portion, said side being wider than the other, the extremities of said screws entering said slots to engage said runner, the bottoms of said blocks being roughened by a series of pyramidal-shaped points and lying in a common plane and a compression spring to lock said screw in said block.

2,187,630
ALLOY
Charles J. Schafer, Baltimore, Md.
No Drawing. Application July 9, 1935, Serial No. 30,535. Renewed June 17, 1939
2 Claims. (Cl. 75—122)

1. A hard alloy suitable for the manufacture of cutting tools or the like composed of columbium and tantalum combined to the extent of 30% to 60%, yttrium 10% to 30%, zirconium 10% to 30%, molybdenum 2% to 20%, and iron 2% to 20%.

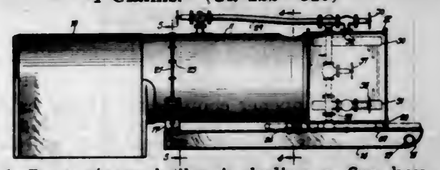
2,187,631
METHOD OF REFINING HYDROCARBONS
Hermann C. Schutt, Tarrytown, N. Y., assignor, by mesne assignments, to American Locomotive Company, New York, N. Y., a corporation of New York
Application June 25, 1937, Serial No. 150,218
4 Claims. (Cl. 196—9)

4. Method comprising subjecting a clean hydrocarbon oil admixed with a selected hydrocarbon fraction comprising mainly C_4 and C_5 hydrocarbons to a thermal conversion operation at a temperature of from about 1250° F. to about 1350° F.; subjecting mainly normally gaseous C_2 hydrocarbons to a separate thermal conversion operation at a temperature of from about 1300° F. to about 1500° F.; dephlegmating conversion products of both conversion operations in a common dephlegmating zone; and, recovering a normally gaseous unsaturated hydrocarbon and



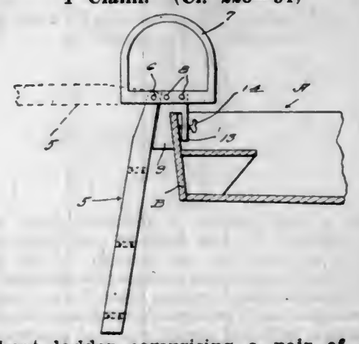
an aromatic liquid from dephlegmated gas-vapor products of the dephlegmating operation.

2,187,632
PORTABLE BOILER
John M. Shimer, Dallas, Tex., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey
Application July 24, 1937, Serial No. 155,524
4 Claims. (Cl. 122—510)



1. In a steam boiler including a fire box, a cylindrical steam generating part extending forwardly from the fire box and ending in a smoke box, and including a high pressure water space adjacent the fire box, means for strengthening the boiler and facilitating the handling and moving of the boiler, said means comprising a pair of skid members having a length materially greater than the combined length of said cylindrical part and said smoke box and means to attach said skids in parallel spaced relation onto the under side of the cylindrical steam generating part of the said boiler to extend forwardly under and beyond the said smoke box, said means including a cradle secured to the skids and a loop member encircling the high pressure portion of the boiler, said loop member being detachably secured to the said cradle.

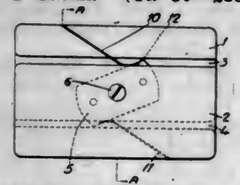
2,187,633
BOAT LADDER
Allyn M. Smith, Taborton, N. Y.
Application October 22, 1938, Serial No. 236,467
1 Claim. (Cl. 228—54)



A boat ladder comprising a pair of handle

members each consisting of a part of substantially inverted U-shape and a horizontal bar connecting the ends of the limbs of the U-shaped part together, a clamping member having its upper end connected to an intermediate part of said bar, said clamping members being adapted to be clamped to a part of a boat with a portion of each member exterior of the boat, each of said exterior portions having an outer edge sloping downwardly and away from the boat and a ladder having its upper end pivoted to the bars of the handle members at a point where upper portions of the ladder will rest against the sloping portions of the clamping members.

2,187,634
ENVELOPE OPENER
Nils Anders Georg Söderlind, Stockholm, Sweden
Application March 30, 1938, Serial No. 199,007
In Sweden February 4, 1937
1 Claim. (Cl. 30—289)



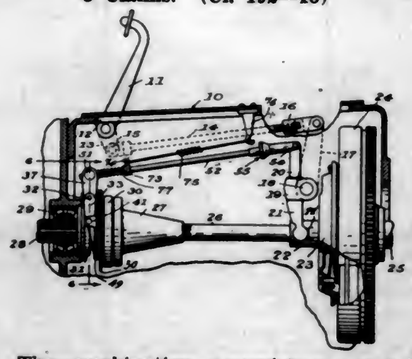
An envelope opener comprising a body having a slot therein for the introduction of envelopes to be opened, a blade secured in said body and having a cutting edge projecting from one side wall of the slot and disposed at an oblique angle to the longitudinal axis of the slot, a spring secured to said body and projecting from the opposite side wall of said slot at an angle to said cutting edge, said spring having a reduced terminal lying between said blade and the bottom of said slot.

2,187,635
WELL PACKER
George F. Stamps, Los Angeles, Calif.
Application May 23, 1938, Serial No. 209,461
5 Claims. (Cl. 166—10)



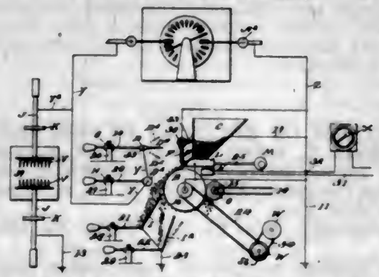
1. In a well packer, a resilient tube, spaced apart supports for the ends of said tube relative to which at least one end portion of the tube is longitudinally movable, means rigidly connecting said supports, apertures in one of said supports covered by an end portion of said tube when said tube is in a deflated condition, said apertures being opened on movement of the end of the tube away therefrom, and means for directing liquid under pressure to the interior of said tube to thereby inflate said tube and withdraw its end portion from covering said apertures.

2,187,636
WEAR COMPENSATING DEVICE
Elmer J. Story, East Cleveland, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application May 16, 1938, Serial No. 208,308
8 Claims. (Cl. 192—18)



1. The combination comprising a rotating brake lining element, a fixed brake lining element opposed to the rotating one, a clutch for controlling movement of the rotating brake lining element, and mechanism including a brake rod and an operating lever for moving the brake elements into and out of operative engagement and for disengaging the clutch as the brake elements are moved into engagement and for engaging the clutch as the brake elements are moved out of engagement, and means connected to said brake rod for increasing automatically its effective length in response to clutch wear.

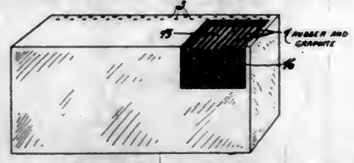
2,187,637
APPARATUS FOR THE ELECTROSTATIC SEPARATION OF PARTICLES HAVING DIFFERENT ELECTRICAL SUSCEPTIBILITIES
Henry M. Sutton and Edwin G. Steele, Dallas, Tex.
Application August 26, 1937, Serial No. 161,152
7 Claims. (Cl. 209—129)



1. An apparatus for the separation of particles of a mass having different electrical susceptibilities, consisting of a rotating separating electrode, means for feeding the mass to the said electrode, electric means for causing some of said particles to adhere to the electrode and a second electrode consisting of a tube extending across the width of the separator electrode containing a chemically inert gas, from which said second electrode an

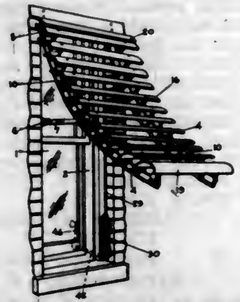
electrical influence is directed upon the particles to be separated for the purpose of separating some of said particles from the separator and said third tube electrode being evacuated to a degree such as is required for illumination means for conveying the separated particles to suitable places.

2,187,638
STORAGE BATTERY
Johannes Zernike, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 26, 1937, Serial No. 150,626
In Germany July 13, 1936
2 Claims. (Cl. 136—11)



1. A secondary electric battery comprising a cast container of asphalt, a plurality of plates comprising a mixture of graphite and rubber and having marginal portions cast into the container to form liquid tight compartments, the surface portions of the plates bounding the compartments being adapted to receive active material to make the plates bipolar, and an electrolyte of a soluble lead salt within said compartments.

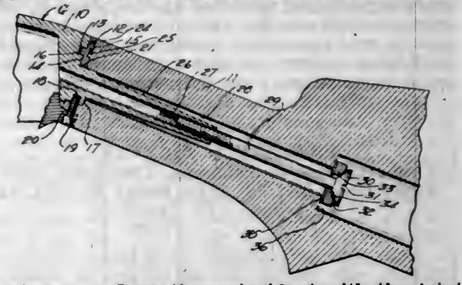
2,187,639
AWNING
Sherman G. Bond, Wichita, Kans.
Application September 29, 1937, Serial No. 166,339
3 Claims. (Cl. 156—17)



1. In an awning, a pair of supporting arms, a set of spaced rocker arms pivotally mounted on each supporting arm, links connecting the rocker arms, slats positioned transversely of the supporting arms and secured to aligning rocker arms, a rock shaft journaled in the supporting arms, rock shaft levers adjustably secured to the rock shaft, a link connecting each rock shaft lever to each set of rocker arms and links, and means for actuating the rock shaft levers whereby the slats may be adjusted in relation to each other so that any degree of opening between the slats may be obtained.

2,187,640
STOCK FASTENING MEANS
David E. Bost, Galesburg, Ill.
Application August 10, 1938, Serial No. 224,189
4 Claims. (Cl. 42—75)

1. A means for varying the angular relation between a gun barrel having a breech at the rear end thereof and a gun stock, comprising a plate tapering in thickness from one edge to an opposite edge, the opposite faces of said plate



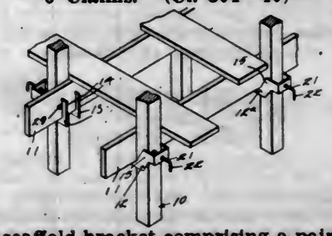
having a configuration coincident with the joint between the breech and stock, said plate being positionable between the breech and stock.

2,187,641
FENCE
William Collie Briggs, Paducah, Tex.
Application February 2, 1939, Serial No. 254,282
2 Claims. (Cl. 256—59)



1. A fence comprising vertical posts, horizontal vertically spaced apart bars, each of said bars being substantially V-shaped in transverse section with the divergent side thereof confronting said posts, vertically spaced apart bracket members fixed to said posts, each bracket member including a substantially V-shaped outer portion engageable within a bar, and a locking pin engaging through a bar and the outer portion of a bracket for locking a bar on a bracket.

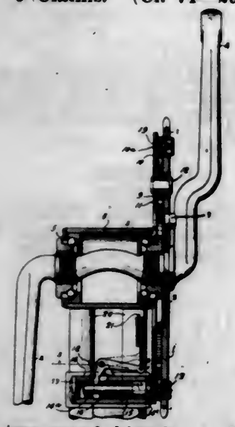
2,187,642
BRACKET
Robert C. Brown, Columbus, Ohio, assignor to Du-All Scaffold Bracket Company, Columbus, Ohio
Application April 4, 1939, Serial No. 266,024
6 Claims. (Cl. 304—40)



1. A scaffold bracket comprising a pair of substantially U-shaped clamping members disposed in spaced apart relation, one leg of each member constituting a stationary jaw and disposed at right angles to the bight, the other leg of each

member being substantially shorter in length than said one leg and disposed at an obtuse angle to the bight, an obtusely disposed extension integral with said other leg and disposed at right angles to said one leg, a pair of parallel bars connecting said extensions together, a slide engaging said bars, a shaft threaded through said slide, and a movable jaw swivelly carried by said shaft.

2,187,643
TWO-SPEED BICYCLE
Frederick Hooker Bultman, Cleveland, Ohio
Application July 26, 1937, Serial No. 155,754
9 Claims. (Cl. 74—291)



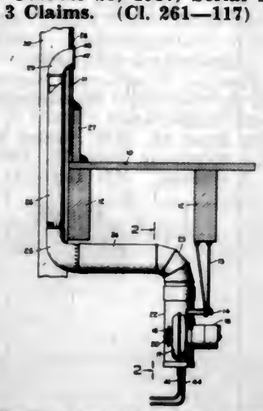
1. In a two-speed bicycle, a drive sprocket, crank means for operation by the rider, a planetary gear combination providing an operative connection between the crank means and the sprocket said planetary gear combination being located on the sprocket side of the bicycle, and means for connecting the sprocket for direct drive from the crank means or for modified speed drive through the planetary combination, said means including a positive locking means between the sprocket and the planetary gear combination so as to lock them together as a unit, and a single non-rotatable member readily manipulatable during operation of the bicycle for effecting either release or engagement of the said locking means and for holding said planetary combination during released condition of the locking means so as to render the planetary combination either effective or ineffective.

2,187,644
FABRIC FINISHING SYSTEM
Samuel Cohn and Jules G. Walter, New York, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York
Application February 24, 1938, Serial No. 192,310
21 Claims. (Cl. 26—56)



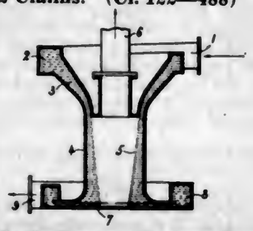
1. Apparatus for treating traveling tubular textile fabric comprising means for flattening the tube in one direction, means for distending the tube in another direction and propelling the tube while distended, means for steaming the tube while in flattened condition, and finishing rollers for pressing the steamed tube.

2,187,645
HUMIDIFIER
Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application October 28, 1937, Serial No. 171,538
3 Claims. (Cl. 261—117)



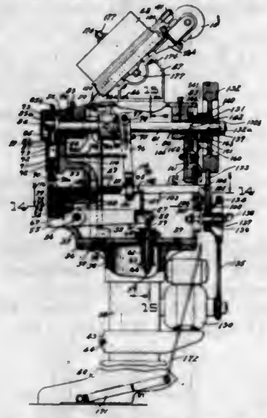
1. Humidifying apparatus for a room or other space of a building, comprising outlet means communicating with the interior of such space, conduit means terminating at said outlet means, said conduit means including a vertically extending portion, said outlet means including foraminous screen means re-entrantly inclined to the vertical in a direction toward the interior of said conduit means, said re-entrantly inclined to the vertical foraminous screen means being disposed within the zone of said outlet means substantially immediately adjacent the interior of the room or other space of the building, water spray means disposed in the vertically extending portion of said conduit means, said water spray means being disposed below the level of the floor of the room or other space of the building, and means for projecting air through said water spray means, to thereby project air through said conduit means laden with moisture supplied by said water spray means, through said outlet means and into such space, and whereby any condensation of moisture within said conduit means is returned to said water spray means.

2,187,646
SEPARATOR
Georges Darrieus, Houilles, France, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application August 4, 1936, Serial No. 94,185
In Germany August 16, 1935
12 Claims. (Cl. 122—488)



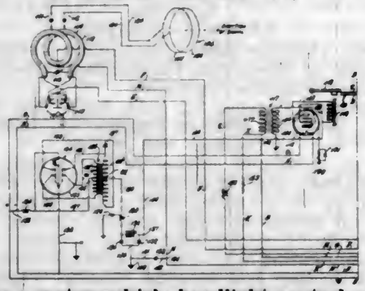
1. The method of separating gas from a liquid in a high pressure gas liquid mixture, comprising the steps of first setting up a tangential flow of the gas liquid mixture to cause subsequent rotational movement thereof, thereafter progressively increasing the rotational speed of the moving liquid by progressively restricting the cross sectional area of the flowing liquid and then causing centrifugal separation of the liquid from the gas, and in thereafter progressively and gradually reducing the rate of flow of the liquid by progressively and gradually increasing the cross sectional area of the flowing liquid to transform the kinetic energy of the liquid into static pressure energy.

2,187,647
CLINCH-NUT MACHINE
Plummer E. Double, Detroit, and Frank Wascher, Flint, Mich.
Application July 28, 1937, Serial No. 156,184
13 Claims. (Cl. 218—2)



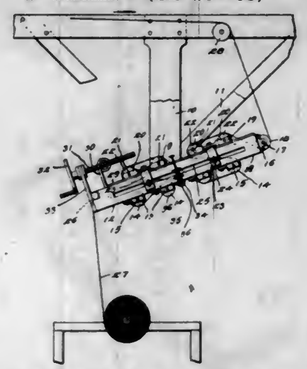
1. In a clinch-nut machine, including a housing, the combination of an anvil mounted on said housing, a drive shaft, means for intermittently revolving said shaft, a punch mounted on said drive shaft, a nut carrier bar adapted to guide nuts to said anvil, and means actuated by said shaft for raising and lowering said nut carrier bar and advancing toward said anvil nuts carried by said bar.

2,187,648
MOTOR VEHICLE HEADLIGHT CONTROL SYSTEM
Robert M. Franklin, Brooklyn, N. Y., assignor of one-third to Eugene C. Pomeroy, Hopewell, N. J., and one-third to Royal C. Johnson, Washington, D. C.
Application May 19, 1938, Serial No. 208,902
10 Claims. (Cl. 171—97)



1. In a motor vehicle headlight control system of the type described, the combination with headlight apparatus on approaching vehicles which are operable to produce bright and dim light conditions and which include electrical circuits for establishing said different conditions, of mechanism on each vehicle including switching means for controlling said circuits, a device for transmitting and receiving, under directional control, energy impulses of a given wave length and which is normally conditioned as a receiver, manual means operable to actuate said switching means to dim the headlights and simultaneously convert the said device to a transmitter and transmit an energy impulse, means operable in response to the reception of an energy impulse by said device for actuating said switching means to dim the headlights, and means for effecting a delayed actuation of said switching means to re-establish the bright lights after dimming of the same as a result of operation of either the manual means or the impulse operating means, whereby the manipulation of the manual means on one vehicle will result in dimming of the headlights of that vehicle and of the vehicles approaching from the opposite direction and located within the range of the transmitting device for said first vehicle.

2,187,649
STRAIGHTENING MACHINE
William Gigliotti, North Adams, Mass.
Application September 19, 1938, Serial No. 230,678
2 Claims. (Cl. 26—63)



1. A cloth straightening machine comprising a frame, a plurality of rollers associated with said frame and having cloth trained about the same, means for changing the relation of a certain group of rollers with respect to the remaining rollers, a roll journaled on the frame in association with said rollers, means for releasably locking the said roll against rotation, an adjustable device cooperating with the group of shiftable rollers, carriers for said shiftable rollers and active only at one end of each of the same, the roll having a perforated journal end, and a plunger stem included in said second-named means and separably engageable in the perforation in said journal end.

2,187,650
GARMENT CLASP
Robert C. Isaac, New York, N. Y.
Application January 15, 1938, Serial No. 185,201
1 Claim. (Cl. 24—243)

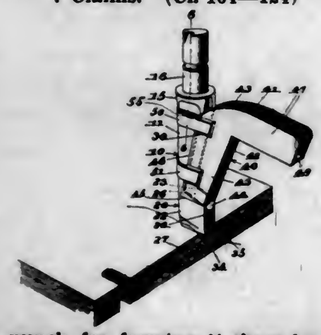
A device of the character described including two loops of different size, one end of each loop constricted and having pintles connecting their sides, and an hour-glass shaped link having its opposite ends hingedly connected to the pintles of the loops, one of the loops being of sufficient

size to permit the other loop and the connecting link to swing therethrough on the pintle of the larger loop as an axis, the larger loop bowed outwardly at the juncture between the larger and the constricted ends thereof, whereby the said ends of the larger loop are in different planes, the smaller loop bent inwardly to conform to and clear the edges of the connecting link, the length of the smaller loop from its pintle to its free end



approximately corresponding to the distance between the outwardly bowed portion of the larger loop plus the length of the connecting link, whereby the free end of the smaller loop is adapted to rest within the bowed portion of the larger loop and be held in that position substantially in the plane of the larger end of the larger loop by the tension of the hose when fastened by the garter.

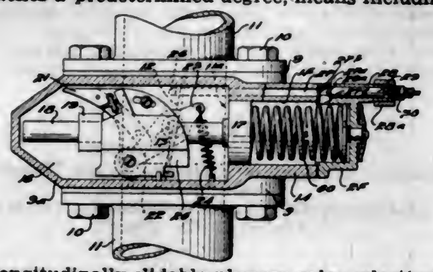
2,187,651
DIE
Frank P. Jackson, Austin, Tex.
Application August 4, 1938, Serial No. 223,087
7 Claims. (Cl. 164—124)



1. A punch for forming U-shaped notches in stacks of paper comprising a shank having one wall rounded and the opposite wall progressively inclined inwardly from the upper end to the lower end and a cutter at the reduced lower end of said shank, said cutter being approximately rectangular except the rear wall which is a continuation of the round wall of the shank, the wall opposite the round wall of the cutter having the lower edge blunt, the remaining lower edges of the cutter being sharpened to provide a knife edge.

2,187,652
CONTROL MECHANISM FOR GOVERNORS
Jarvis S. Jennings, Jr., Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application February 10, 1936, Serial No. 63,162
1 Claim. (Cl. 137—153)

In a governor for an internal combustion engine, a body having an intake passage, a valve operatively mounted in said passage and adapted to open and to close the same, a cylinder with a piston adapted to actuate said valve, one side of said piston being exposed to substantially atmospheric pressure, a conduit leading from the downstream portion of said passage to said cylinder to expose the opposite side of said piston to the action of partial vacuum existing therein, said piston adapted to actuate the valve in the closing direction when the vacuum in said portion reaches a predetermined degree, means including



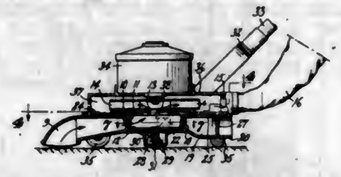
a longitudinally slidable plunger valve selectively movable into a position for opening and closing said conduit, flexible cable means manually controlled from a remote point for selectively moving said plunger valve, and key operated locking means for locking said cable in the open position of said plunger valve.

2,187,653
GOVERNOR
Jarvis S. Jennings, Jr., Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application July 9, 1936, Serial No. 89,807
19 Claims. (Cl. 137—153)

1. In a governor for an internal combustion engine having an intake passage, a governing valve in said passage movable toward closed position by the operation of the engine, spring means opposing said movement, a valve shaft having a crank arm for turning the valve, a pair of jointed devices interposed between the spring and crank arm, and a cam cooperating with said devices at their joint for controlling the relative angularity thereof during the movement of the valve.

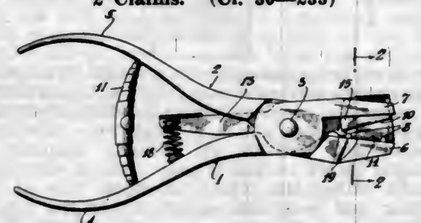
2,187,654
VACUUM CLEANER
Anders Eriksson-Jons, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 22, 1937, Serial No. 170,329
In Great Britain October 28, 1936
3 Claims. (Cl. 15—9)

1. In a vacuum cleaner having a body, a fan within said body including an impeller rotatably mounted in a casing, said casing having inlet and an outlet openings, means forming a suction channel, within said body, a suction nozzle communicating with said channel, means forming a suction and blowing channel within said body, hose connection means communicating with said suction and blowing channel, a clean air intake formed in said body, a dust separating member connected to said body, a single rotatably mounted valve member in said body shiftable to one position to connect said suction channel with said inlet and said outlet with said dust separating member, and to a second position to connect said suction and blowing channel to said inlet and said outlet to said dust sep-



arating member, and to a third position to connect said clean air intake with said inlet and said outlet to said suction and blowing channel, a handle pivotally connected to said body for moving said vacuum cleaner, and means operative to rotate said valve upon pivoted movement of said handle.

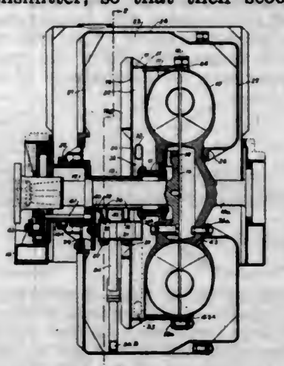
2,187,655
FILM CUTTER
Eduard Kann, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabricken, Eindhoven, Netherlands
Application July 9, 1937, Serial No. 152,863
2 Claims. (Cl. 30—233)



1. A plier-like hand device for cutting motion picture films, comprising two pivoted members having jaw portions and handle portions, one jaw portion having two cutting edges and teeth adapted to engage the perforation holes of the film, the other jaw portion being provided with cutting edges cooperating with the cutting edges of the first jaw upon actuation of the device, and means actuated by the movement of said handle portions to place the film in correct engagement with said teeth prior to the cutting and to compressively hold the film in this position during the cutting.

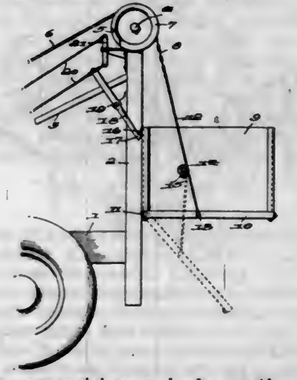
2,187,656
HYDRAULIC POWER TRANSMITTER
Johann Nikolaus Kiep, Hamburg, Germany, and Harold Sinclair, Kensington, London, England, assignors to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain
Application December 23, 1938, Serial No. 247,412
In Great Britain December 20, 1937
8 Claims. (Cl. 60—54)

1. A hydraulic power transmitter of the kinetic type comprising a working chamber including driving and driven vaned elements and a scoop chamber, a rotatable reservoir chamber co-axial with said working chamber, a scoop device in said scoop chamber for transferring liquid therefrom to said reservoir chamber, a scoop device in said reservoir chamber for transferring liquid therefrom to said working chamber, said scoop devices being capable of angular displacement eccentrically with respect to the axis of rotation of the transmitter, so that their scooping lips



are displaced radially with respect to said axis, and control means operable for displacing said scoop devices alternatively in such a direction that their lips are displaced radially outwards.

2,187,657
CONVEYING EQUIPMENT
Walter E. Lambert, Knoxville, Tenn., assignor to McMurray Structural Steel Company, Inc., Nashville, Tenn., a corporation of Tennessee
Application April 14, 1937, Serial No. 136,950
7 Claims. (Cl. 214—117)

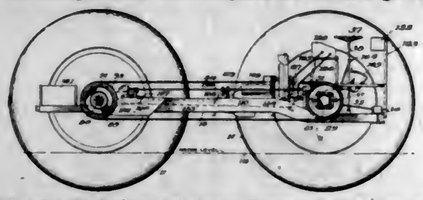


1. A skip comprising a body portion having end projections and having a bottom door hinged to said body portion, and means for supporting the skip in loaded and unloaded condition including cables having end portions connected directly with the bottom door and intermediate portions having a complete turn about the end projections of the body portion.

2,187,658
AMPHIBIAN VEHICLE
Abbot A. Lane, Aspinwall, and Eugene W. Jacobson, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application November 3, 1937, Serial No. 172,642
7 Claims. (Cl. 115—1)

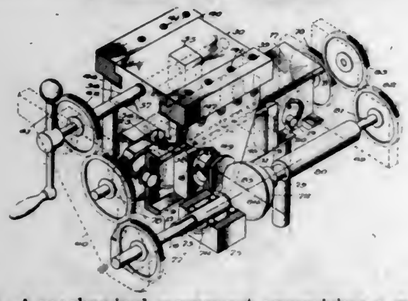
1. In an amphibian vehicle adapted to traverse the soft mud and water of marshes and force its way through the rank vegetation thereof, the combination of a frame, four buoyant wheels each having a buoyant, resilient pneumatic tire

at least ten feet in diameter, means for mounting the wheels on the frame fore and aft substantially symmetrically with respect to the center of gravity of the vehicle and constructed and arranged to permit twisting of the axis of the front wheels with respect to that of the rear wheels so as to compensate for inequalities of the ground,



said wheels being of such buoyancy as to support the weight of the vehicle while submerged approximately half way to the hubs, and the peripheries of the aft wheels being closely spaced from the peripheries of the fore wheels so as to facilitate passage from land to water, power means for driving all wheels and means for steering at least the fore wheels.

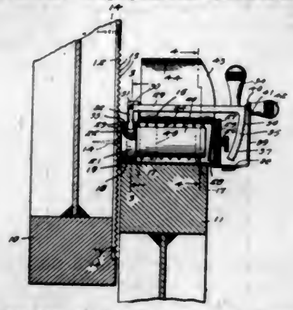
2,187,659
MECHANICAL MOVEMENT
Abbot A. Lane, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application December 3, 1938, Serial No. 243,851
9 Claims. (Cl. 74—522)



1. A mechanical movement comprising a walking beam, a fixed support, means movable with respect to the support and with respect to the beam in a direction lengthwise of the beam and constructed and arranged to provide a fulcrum for the beam, screw means on the beam for moving said fulcrum means lengthwise of the beam, screw means on the fixed support for moving the fulcrum means with respect to the support, a flexible positive driving connection between said two screw means, and means for operating said driving connection, whereby the fulcrum means can be simultaneously moved with respect to the beam and to the support.

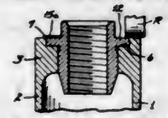
2,187,660
WINDOW LOCK
Fritz F. Larson, St. Paul, Minn.
Application April 4, 1938, Serial No. 199,985
4 Claims. (Cl. 292—152)

1. A window lock comprising a bolt housing, a spring-pressed bolt in said housing normally urged into engaging relation with a detached keeper element, a lever element cooperatively engaged with said bolt for retracting the latter, said lever element having an arcuate free end portion provided with two series of oppositely directed ratchet teeth, and a latching extension on said bolt housing having provision for interlocking ratchet engagement alternatively with



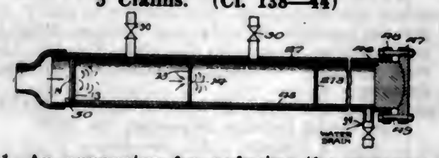
the two series of teeth on said lever element whereby to lock the bolt in extended or retracted position, at will.

2,187,661
VALVE TAPPET
Harold M. Lochrane, Cleveland, Ohio
Application September 26, 1935, Serial No. 42,304
2 Claims. (Cl. 123—90)



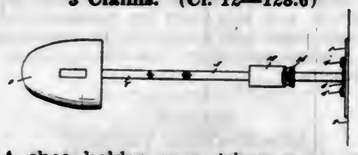
1. A valve tappet comprising a cast iron hollow body casting having a relatively thickened annular upper end provided with a substantially cylindrical axial bore and a counter-bore outwardly thereof and forming an annular shoulder, a metallic insert having a body portion extending axially within the cylindrical axial bore of the casting and projecting outwardly of the tappet body, said insert having an annular flange lying within the counter-bore of said casting and resting on said shoulder, and means on the outer edge of the wall of the counter-bore laterally displaced to overlie the outer peripheral rim of said insert flange and to press the said insert flange against said shoulder whereby to permanently secure said body casting and insert together in operative assembly.

2,187,662
CONTROLLER FOR GAS FLOW
Reginald J. S. Pigott, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application August 17, 1938, Serial No. 225,454
5 Claims. (Cl. 138—44)



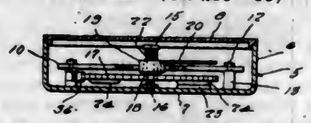
1. An apparatus for reducing the pressure of high-pressure moist gas, comprising an elongated conduit arranged for introduction of gas adjacent one end thereof and withdrawal of gas adjacent the other end, and a plurality of orificed obstructing means in spaced series in the conduit, spaced apart sufficiently so that the gas temperature reduction at each orifice is substantially restored by turbulence in the conduit before the gas reaches the next orifice in series, the orifices of the obstructing means being of geometrically increasing orifice area toward the outlet end of the conduit so that the ratio of pressures across any two orifices in series is substantially the same and the maximum velocity and minimum temperature at each orifice are substantially constants, the number of orificed obstructing means being large enough and said orifice area ratio being small enough to maintain the gas temperature at any point above the freezing point of the moisture present in the gas.

2,187,663
SHOE HOLDER
Rutherford G. Reiter and Ole P. Frilseth, St. Paul, Minn.
Application June 14, 1939, Serial No. 279,228
3 Claims. (Cl. 12—128.6)



1. A shoe holder comprising an arm, means for mounting said arm on a support, a shell mounted on the free end portion of the arm and engageable in the toe of a shoe, a substantially U-shaped clamp mounted for sliding adjustment on the arm and including a depending foot on one end engageable in the counter of the shoe, and a clutch member on the other end portion of the clamp slidable on the arm and frictionally engageable therewith for releasably securing said clamp in adjusted position.

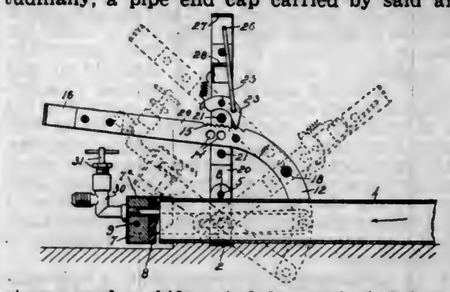
2,187,664
MECHANICAL ROSARY
John L. Rogus, Hazleton, Pa.
Application March 8, 1939, Serial No. 260,653
1 Claim. (Cl. 235—83)



A mechanical rosary comprising a case, a front dial for the case, said dial being stationarily mounted and formed with a centralized opening, a fixed shaft in the case projecting through the opening, a ratchet wheel slidably and rotatably mounted on the shaft, ratchet means for driving the ratchet wheel, a collar mounted for movement with the ratchet wheel, a pointer extending from said collar, spring means interposed between one end portion of the shaft and the collar, said ratchet wheel being provided with radially disposed ribs, and a stationary rib member in the path of the first mentioned ribs, said collar being yieldable against the tension of the spring to permit the rib members on the wheel to snap over the stationary rib and produce annunciation.

2,187,665
HEAD GATE OR THE LIKE
Homer Holmes Scates, Kirkland, Tex.
Application July 31, 1939, Serial No. 287,673
6 Claims. (Cl. 251—19)

3. In a device of the character described, a clamp for securing to a pipe adjacent its outlet end, said clamp having trunnions, slotted arms mounted on said trunnions, one at each side of the clamp for movement pivotally and longitudinally, a pipe end cap carried by said arms



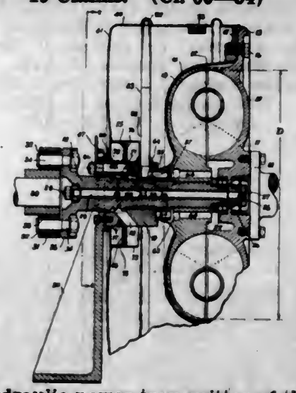
at one end, a bifurcated lever pivoted to said arms at their other ends, links between said lever and said trunnions, and means to hold said lever in any of several adjusted positions.

2,187,666
ARTIFICIAL FISH BAIT
William H. Schumann, Kent, Ohio, assignor to Fly Fish Kit Company, Kent, Ohio, a corporation of Ohio
Application June 1, 1936, Serial No. 82,946
12 Claims. (Cl. 43—48)



8. A fish hook, a body of sponge rubber or material of like liquid absorbent properties surrounding said fish hook and having an end portion and an adjacent laterally enlarged portion forming with the end portion a groove, a plurality of flexible thread-like rubber legs, and means joining the legs to said body, said joining means being positioned in surrounding relation with the body and located within said groove.

2,187,667
HYDRAULIC POWER TRANSMITTER
Harold Sinclair, Kensington, London, and Arthur Cecil Basebe, Banstead, England, assignors to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain
Application April 4, 1938, Serial No. 199,901
In Great Britain April 8, 1937
19 Claims. (Cl. 60—54)



1. A hydraulic power transmitter of the kinetic type comprising a working chamber including driving and driven vaned elements, a reservoir

chamber arranged to rotate with said working chamber, a drain port which is incapable of being closed while said chambers are rotating, which communicates between said chambers and which is capable of exhausting working liquid, under the influence of its energy of motion, from said working chamber, a scoop which is disposed in said reservoir chamber and which is capable of angular displacement eccentrically with respect to the axis of rotation of the transmitter, a filling duct leading from said scoop to said working chamber, and control means for displacing said scoop which is so arranged that, in moving towards the position yielding the maximum degree of filling of said working chamber, its scooping lip moves oppositely to the normal direction of rotation of said chambers.

18. In combination, a driving shaft, a hydraulic power transmitter of the kinetic type comprising a driving portion which is rigidly fixed to said shaft and which includes a rotary casing having an end wall remote from said shaft, a runner accommodated within said casing, a fixed support including a sleeve which penetrates a central aperture in said end wall and which is provided with a duct for filling said transmitter, a driven shaft passing through said sleeve and carrying said runner, and co-operating rings for the register of alignment and axial relationship of said driving shaft and said sleeve, said rings being mounted respectively on said fixed support and on the outside of said end wall.

2,187,668
WATERPROOF QUICK-SETTING ADHESIVE PORTLAND CEMENT AND PROCESS OF MAKING SAME
Lloyd L. Smith, Minneapolis, Minn.
No Drawing. Application May 23, 1938, Serial No. 209,603
1 Claim. (Cl. 106—27)

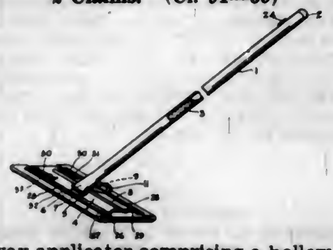
A hydrophilic composition of matter, reactable with water to produce a hard hydrophobic composition, comprising an essentially apparently dry homogeneous pulverulent mixture of: (1) approximately thirty-five parts by weight of the reaction products of about five parts by weight of stearin, about thirty-three parts by weight CaO and about twenty-five parts by weight of water; (2) approximately seventy parts by weight of casein; and (3) approximately seventeen hundred eighty-five parts by weight of Portland cement.

2,187,669
FURNACE ROOF CONSTRUCTION
Daniel Wallace Stewart, Montreal, Quebec, Canada, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada
Application August 21, 1936, Serial No. 97,187
In Canada August 12, 1936
7 Claims. (Cl. 110—99)



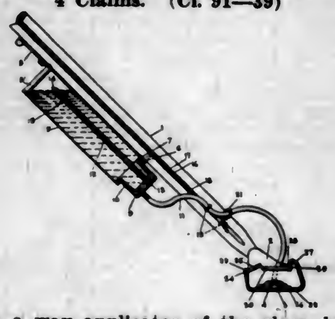
1. In a furnace, a suspended roof construction comprising metallic suspending means, a sheath, and a shaped refractory unit therein, said sheath being open at its ends and formed of metal which at furnace operating temperature becomes adherent to the refractory unit and having a side which is longer than the brick and which is formed for attachment to said suspending means.

2,187,670
APPLICATOR
Lloyd J. Suddarth, Wichita, Kans.
Application October 23, 1937, Serial No. 170,529
2 Claims. (Cl. 91—39)



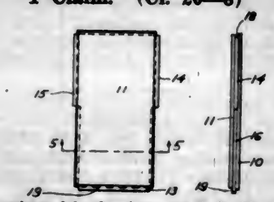
1. A wax applicator comprising a hollow handle forming a reservoir for liquid wax, a head carried by the handle, a flexible conduit between the reservoir and the head for passage of liquid wax to said head and means for constricting the flexible conduit to control the flow of liquid wax therethrough.

2,187,671
APPLICATING DEVICE
Lloyd J. Suddarth, Wichita, Kans.
Application March 4, 1938, Serial No. 193,930
4 Claims. (Cl. 91—39)



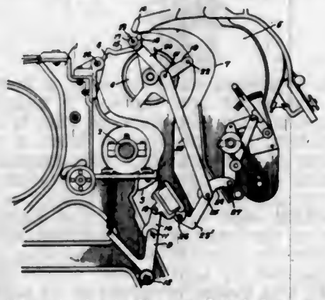
1. In a wax applicator of the class described employing the container in which liquid wax is normally distributed, a handle, a head carried by the handle, means for removably mounting the liquid wax container to the handle, a cap removably secured to the container, a conduit opening into the cap and connecting with the head for conveying wax thereto, a vent secured to the cap and positioned in the container, and conduit constricting means for controlling the flow of wax through said conduit.

2,187,672
THREE PLY FLOORING
Axel G. W. Wedberg, Chicago, Ill.
Application September 27, 1934, Serial No. 745,727
1 Claim. (Cl. 20—8)



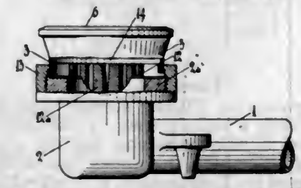
In a flooring block, top and bottom plies of counterpart formation, said plies being of regular oblong shape, a center ply of lesser width and length than said top and bottom plies and inserted therebetween from one end of the block whereby opposed lateral grooves are formed in the block, one end of said center ply protruding beyond the corresponding end of said top and bottom plies, and a second ply of greater width and lesser length than said top and bottom plies inserted therebetween from the opposite end of said block into contact with said first named center ply, said second center ply extending beyond the lateral edges of said top and bottom plies and its end remote from said first named center ply being spaced inwardly from the corresponding ends of said top and bottom plies.

2,187,673
HULLER GIN
Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana
Application January 24, 1939, Serial No. 252,633
5 Claims. (Cl. 19—56)



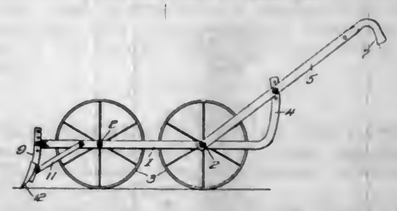
1. Huller gin including a fixed frame carrying saws, inner and outer breasts cooperating to form a roll box, said inner breast being movably mounted upon said frame so as to permit withdrawal of the saws from said breasts, said outer breast being mounted on said gin for bodily translatory movement away from said inner breast, and means for separating said outer breast from said inner breast both at the top and bottom, and for maintaining it thus separated.

2,187,674
GAS BURNER
Alfred John Anderson and George Hill, Takapuna, Auckland, New Zealand, assignors to Dorothy Bennett, Vivien Jacobsen, Arthur David Leonard Griffiths, and themselves, all of Auckland, New Zealand
Application November 8, 1937, Serial No. 173,510
In New Zealand November 14, 1936
5 Claims. (Cl. 158—116)



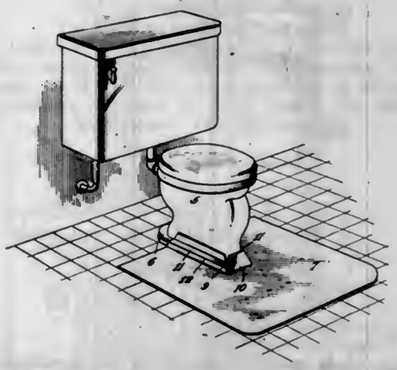
1. A gas burner comprising a bowl having a fuel inlet, a plate having apertures therein located on said bowl, a top located over said plate and spaced therefrom to provide a chamber between said top and said plate and said top having apertures tapering radially and widening in the direction of the passage of the gas.

2,187,675
WHEELED GARDEN IMPLEMENT
Jesse La Mont Bright, Riverton, Iowa
Application July 5, 1939, Serial No. 282,900
1 Claim. (Cl. 97—59)



A wheeled garden implement comprising a beam frame including spaced parallel portions, upwardly directed rear portions extending in diverging relation with respect to each other from the parallel portions, forwardly directed end portions formed on the parallel portions, a shank frame adjustably secured to the forwardly directed end portions and including spaced arcuate strip members straddling the forwardly directed end portions, a ground working implement secured to the shank frame, bracing means for the shank frame and secured thereto and to the parallel portions, axles mounted in and bridging the spaced parallel portions, aligned ground engaging supporting wheels journaled on the axles for disposal between the parallel portions one in advance of the other and rearwardly of the shank frame, and handles for the implement and secured to and rising at a rearward inclination from the rear axle and being adjustably secured to the upper ends of the upwardly directed portions.

2,187,676
ABSORBENT FLOOR MAT
John W. Blewen, Fairfield, Iowa
Application November 16, 1938, Serial No. 240,811
1 Claim. (Cl. 4—252)



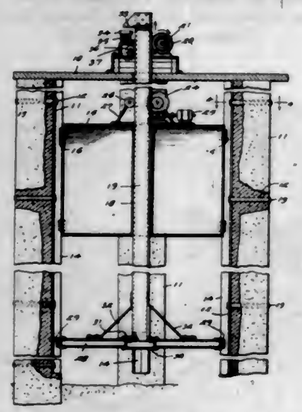
A floor mat comprising a body portion formed of absorbent material impregnated with a disinfectant material, said body portion having a slot extending inwardly from one edge thereof and provided with diverging incisions forming front and side flaps, said side flaps being formed with spaced longitudinally disposed weakened portions defining a plurality of flexible panels adapted to be bent inwardly and upwardly at said weakened portions to conform to and bear against the base of a toilet bowl.

2,187,677
PILE REPAIR UNIT
John L. Brumley, Sanford, Fla.
Application January 30, 1939, Serial No. 253,705
1 Claim. (Cl. 61—53)



A concrete unit for repairing piling, comprising a concrete block having an axial bore, a bolt in the bore having both ends threaded, there being a recess in the bottom face of the block communicating with said bore, a pair of nuts assembled as a unit and forming a tie member, said member being received in said recess, one of the nuts being threaded onto said bolt and the other nut being adapted to receive the threaded end of the bolt of a companion unit.

2,187,678
WAVE MOTOR
Leonard F. Carter, Pontiac, Mich.
Application November 1, 1938, Serial No. 238,282
2 Claims. (Cl. 253—10)



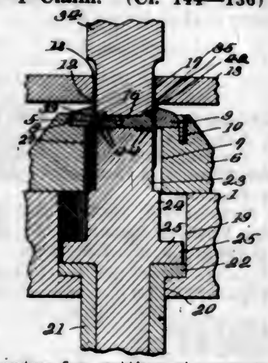
1. A wave motor comprising the combination of a vertically disposed rack bar, a float adjustable longitudinally on the rack bar, means for adjusting the float to compensate for variations in water level, guide piles slidably supporting the float, a plurality of arms extending from the bottom of the rack bar and slidably engaging the piles for guiding reciprocatory movement of the rack bar, a laterally extending head on the top of the rack bar, a platform supported by the piles, and a resilient bumper on the platform against which said head may impinge when the float descends to minimize shock on the parts.

2,187,679
DEEP WELL PUMP
John W. Chambers, Houston, Tex.
Application October 8, 1938, Serial No. 233,931
5 Claims. (Cl. 103—46)



1. In a deep well pumping unit, a housing, a shoe at the lower end thereof, a plurality of cylinders formed in said shoe, an inlet to each of said cylinders, a valve in each inlet, a pair of cross heads of approximately semicircular shape reciprocable in said housing above said shoe, piston rods on said cross heads, pistons on said rods fitting within said cylinders, cross head guide members on the walls of said housing separating said cross heads, a motor in said housing, a crank shaft rotatable by said motor, crank arms on said shaft, and means reciprocable by said crank arms to move said pistons.

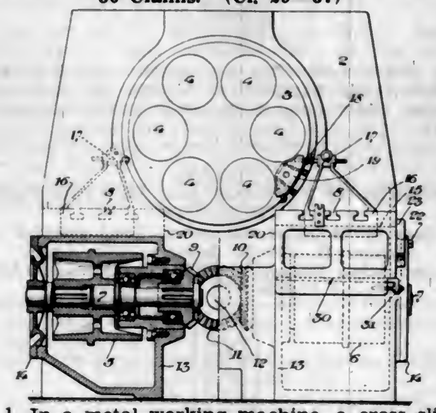
2,187,680
APPARATUS FOR MAKING STOPPER TOPS AND THE LIKE
Arthur Byron Dodge, Lancaster, Pa.
Application January 12, 1938, Serial No. 184,677
1 Claim. (Cl. 144—136)



An apparatus for cutting stopper tops and the like comprising a base, a cutter plate mounted on and secured to said base and having a bore extending therethrough, the upper end of said bore being recessed to form a seat, a relatively narrow cutting member positioned in said seat and having a cutting bore extending therethrough and substantially in axial alignment with said cutter plate bore, longitudinally arranged cutting ribs in said bore, a guiding plate positioned over and secured to said cutting plate and base, a bore in said guiding plate substantially aligned with said

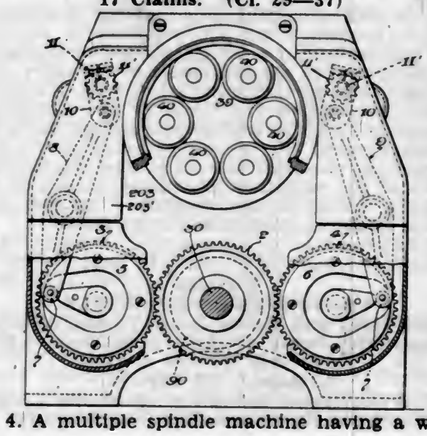
cutter bore, a slidable spring pressed blank supporting plunger positioned in said base and adapted to extend upwardly through said cutting and guiding bores, and guide ribs on said plunger intermeshing with the ribs in said cutting bore for guiding said plunger through said bore, and a plunger for moving a blank and supporting plunger downwardly through the bores of said guiding and cutting members for cutting corrugations in the side wall of said blank.

2,187,681
FORMING OR CROSS SLIDE MECHANISM FOR AUTOMATIC METALWORKING MACHINES
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application September 8, 1937, Serial No. 162,846
30 Claims. (Cl. 29—37)



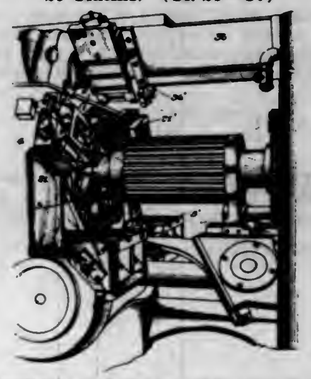
1. In a metal working machine, a cross slide mechanism comprising a slide having a straight top face for the reception of a tool and a depending portion and provided with means located inclinedly to said top face for shifting said slide, and a cam drum having its axis located laterally and inside of the longitudinal axis of said slide and parallel thereto for shifting said slide.

2,187,682
INDEPENDENT CROSS SLIDE MECHANISM
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application September 14, 1937, Serial No. 163,728
17 Claims. (Cl. 29—37)



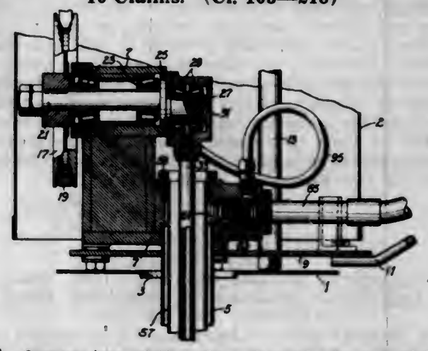
4. A multiple spindle machine having a work spindle carrier, top tool slides for the upper spindles and side tool slides for the lower spindles, each independently operated, cross slide mechanism for the intermediate spindles operated independently of the other tool slides and located at the front of the spindle carrier, and interchangeable cam operated means located at the rear of the spindle carrier for operating said slides.

2,187,683
INDEPENDENT CROSS SLIDE MECHANISM
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application May 17, 1939, Serial No. 274,127
29 Claims. (Cl. 29—37)



1. A multiple spindle machine having a work spindle carrier, a housing for supporting the same, a top tool slide for an upper spindle, a lower side tool slide for a lower spindle, an intermediate side tool slide for an intermediate spindle, and means driven in tandem and located within said housing for operating each slide independently.

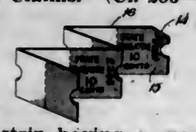
2,187,684
LUBRICATING APPARATUS
Alexander P. Fox and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application January 21, 1938, Serial No. 186,157
10 Claims. (Cl. 103—218)



1. Apparatus of the class described comprising a pump having an inlet and an outlet, reciprocating parts in said pump adapted to draw material into said inlet and to force it out of said outlet, means for reciprocating said parts comprising a crank located at a distance from the pump, a connecting rod articulating said crank

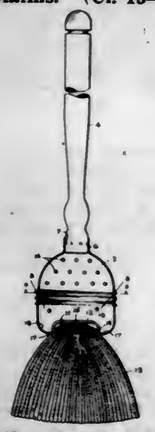
with said reciprocating parts, and an annular conduit extending from the outlet of said pump to a point adjacent said crank, said annular conduit surrounding the connecting rod and having an outlet.

2,187,685
THEATER TICKET
Benjamin H. Freedman, Asbury Park, N. J.
Application October 21, 1939, Serial No. 300,499
10 Claims. (Cl. 283—53)



1. A ticket strip having a succession of tickets, each divided into two stub areas distinguishably marked one from the other with the adjacent stub areas of successive tickets of like marking.

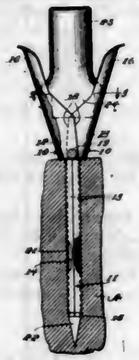
2,187,686
DISH MOP
William Tamminga, New York, N. Y., assignor to Sidney Rosenburg, New York, N. Y.
Application March 16, 1937, Serial No. 131,136
2 Claims. (Cl. 15—122)



2. A mop of the chamber described having a handle, an open ended chamber secured adjacent one end thereof, another chamber intercommunicatingly and removably secured to said first mentioned chamber, one of said chambers having an inwardly depressed portion, means for holding strands directly within said portion, said chambers being large enough to receive and hold a piece of soap, perforations through the walls of said chambers, including perforations in the bottom of said depressed chamber.

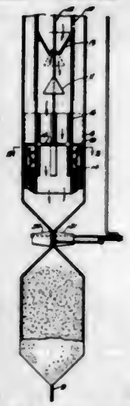
2,187,687
MEAT SALTER
George H. Harper, Oklahoma City, Okla.
Application June 5, 1939, Serial No. 277,551
2 Claims. (Cl. 99—256)

1. A meat salter comprising a salt feeding tool having pivotally connected jaws for opening and closing movements with relation to each other and forming a nozzle when closed with respect to each other, handles continued from said jaws in overlapped interfitted relation to each other for forming a feeding funnel communicative with the nozzle when the jaws are closed with relation to each other, and a piercing element having a pointed tine interfitting the said jaws when closed with respect to each other on insertion of said element through said funnel and having a wedg-



ing grip for wedging engagement in the funnel between the handles for holding the jaws together when the pointed tine is interfitted therewith.

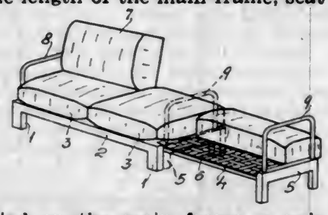
2,187,688
METHOD OF PACKING AND SEALING FOOD PRODUCTS
Arthur G. Hopkins, Sherman, Tex., assignor to Samuel H. Berch, Beverly Hills, Calif.
Application January 5, 1938, Serial No. 183,416
3 Claims. (Cl. 99—152)



1. A method of packaging material characterized as evolving a gas which consists in placing the product within a flexible, collapsible container impervious to gas and moisture thereafter exhausting the air and other gases from the container to collapse the walls of the container around the product and vacuum sealing the container whereby the pressure of atmospheric air around the container will act against the flexible walls of the container to collapse them and to thereby create a counterpressure against gas which might be evolved by the product.

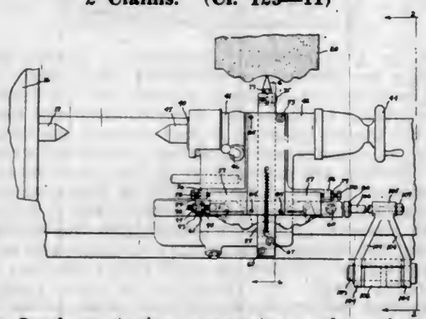
2,187,689
CONVERTIBLE BED-SETTEE
Felix Jaray and Walter Jaray, Vienna, Austria
Application October 5, 1937, Serial No. 167,457
In Austria October 6, 1936
3 Claims. (Cl. 155—46)

3. A convertible bed-settee comprising a main frame of a width and length sufficient to serve as a settee, a supplementary frame slidably nested within said main frame and adapted to be withdrawn endwise therefrom to form a longitudinal extension of the main frame, said supplementary frame corresponding approximately to the width of the main frame and serving in conjunction therewith as the foot end of the bed, means to limit the endwise movement of the supplementary frame to a distance of approximately one-half the length of the main frame, seat cushions



supported on the main frame, a pair of back cushions normally resting loosely on the seat cushions and arranged upright, end-to-end, to constitute the back of the settee, said back cushions each being of a length and width corresponding approximately to half the length and width of the main frame, whereby said back cushions are adapted to be associated side-by-side on the supplementary frame to form with said seat cushions a mattress for the bed.

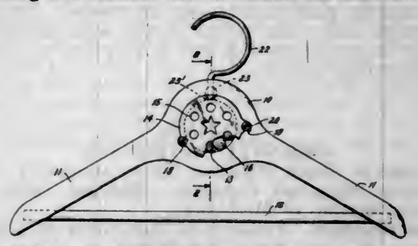
2,187,690
FORM TRUING
Dana W. Martin, Stow, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 29, 1938, Serial No. 232,275
2 Claims. (Cl. 125—11)



1. In form truing apparatus a form bar, a slide, a follower carried by the slide, resilient means causing the follower to engage the form bar, and a latch to lift the follower away from the form bar in one relative direction of traverse while allowing the follower to contact the form bar in the reverse direction of traverse.

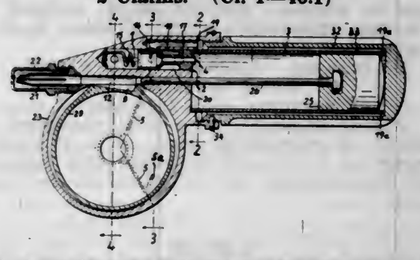
2,187,691
GARMENT HANGER
Frank F. Newhouse, Glendale, Calif.
Substituted for abandoned application Serial No. 731,542, June 20, 1934. This application May 29, 1939, Serial No. 276,387
3 Claims. (Cl. 223—86)

1. In combination, a garment supporting device having a pair of downwardly projecting, diverging arms, the center portion of said device being enlarged and having an opening therein, and a cover for each end of said opening secured to said device, at least one of said covers being pivotally secured thereto, said opening and covers forming a chamber for an odiferous substance,



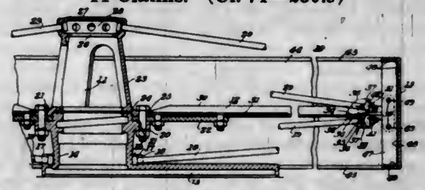
and at least one of said covers being perforated to emit odors from said substance.

2,187,692
AUTOMATIC NAIL DRIVING HAMMER OPERATED BY MEANS OF COMPRESSED AIR
Ludwig Oeckl, Dessau, Germany
Application August 12, 1937, Serial No. 158,685
2 Claims. (Cl. 1—46.1)



1. An automatic nail driving hammer, operated by means of compressed air, comprising a driver, a driver passage, a closed nail container and a movable nail transferring member having a recess of substantially the outline of one of the nails to be driven, said transferring member being movable from a position in which said recess communicates with said closed container and with an exhaust passage, to a position in which it communicates with the driver passage and with an air supply passage: said closed container being subjected to air under pressure in a manner causing the incoming air to activate the supply of nails and cause the recess of the nail transferring member to be chargd with a single nail when in position to communicate with the nail container.

2,187,693
BAND WHEEL CONSTRUCTION
John B. Picard, Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 3, 1937, Serial No. 151,863
11 Claims. (Cl. 74—230.9)



1. In a band wheel, the combination with a hub, a peripheral rim and radial spokes connecting the hub and rim, of a socket in said hub above and below each spoke and in alignment therewith, a socket in the top and bottom of

each spoke adjacent the outer end thereof, pairs of tie rods on opposite sides of the spokes supported in said sockets and connecting the hub and the outer end of the spokes, each pair of tie rods being disposed in the same plane as a corresponding spoke.

2,187,694

GERANYL CROTONATE

Harold R. Slagh, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 23, 1937, Serial No. 165,347

3 Claims. (Cl. 260—486)

1. Geranyl crotonate, a colorless mobile liquid with a fragrant odor, having a boiling point of about 128° C. at 0.10 inch absolute pressure, and a specific gravity of about 0.914 at 25°/25° C.

2,187,695

POLYSTYROL COMPOSITION

Sylvia M. Stoesser, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 1, 1937, Serial No. 151,548

6 Claims. (Cl. 260—36)

1. A resinous plastic composition consisting essentially of polystyrene and as a plasticizer therefor up to 10 parts by weight of a halogenated diphenyloxide per 10 parts of the polystyrene.

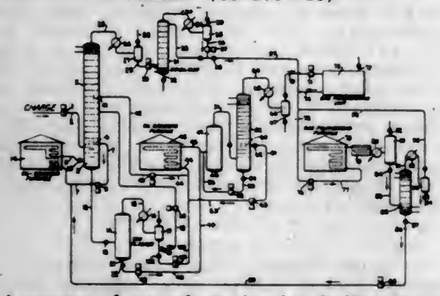
2,187,696

PRODUCTION OF MOTOR FUEL

Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware

Application December 14, 1935, Serial No. 54,417

1 Claim. (Cl. 196—10)



A process of manufacturing low boiling hydrocarbon oil suitable for use as motor fuel which comprises subjecting a relatively heavy hydrocarbon oil to an elevated temperature to crack the heavy oil to higher and lower boiling products, separating heavy residual oil unsuitable for recycling from the cracked products, fractionating the remaining cracked products to recover a heavy gas oil suitable for recycling, a distillate fraction comprising a light refractory gas oil, a cracked gasoline fraction, a fixed gas fraction consisting largely of hydrogen and methane, and a fraction intermediate the gasoline fraction and the fixed gas fraction, recycling the last mentioned heavy gas oil to the first cracking step, separately subjecting the distillate fraction to a temperature of about 1100° F. to 1300° F. to crack the distillate fraction to produce primarily olefinic gas without regard to producing an optimum yield of motor fuel, commingling the high temperature highly cracked products from the last mentioned high temperature cracking step with the first mentioned heavy residual oil to crack the heavy residual oil largely to coke and gaseous products, fractionating the gaseous products to separate all material higher boiling than gasoline to heavy and light fractions, a gasoline fraction and gases containing olefins, returning the light fraction to the high temperature cracking step and commingling the heavy fraction with the high temperature highly cracked products from the high temperature cracking step, combining the last mentioned gases containing olefins with the fraction intermediate the gasoline fraction and the fixed gas fraction and subjecting the mixture of gases to an elevated temperature to effect the polymerization of the constituents thereof to normally liquid low boiling oil, recovering a gasoline-like fraction and a heavier fraction from the products of polymerization and returning at least a part of the heavier fraction to the first cracking step for further conversion.

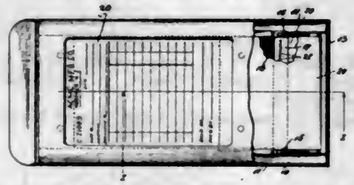
2,187,697

MANIFOLDING MACHINE

Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application September 28, 1935, Serial No. 42,623

7 Claims. (Cl. 282—3)



7. In a manifolding machine, a platen over which worksheets are advanced; and means for supporting carbon sheets between the worksheets comprising transversely disposed bars and hooks on the platen adapted to engage apertures in said bars, said hooks being directed rearwardly whereby the bars are maintained on the hooks by drag employed to the carbon sheets by the advancing worksheets, said bars each comprising a strip of thin material of greater length than the width of either the carbon sheet or the worksheet and being longitudinally folded on itself to provide two flat parallel leaves for engaging between them a marginal portion of the carbon sheet across the width thereof with said leaves so close together as to be separated merely by the thickness of the carbon sheet with one leaf having integral portions struck out therefrom and presenting teats which are broken open at their tops to provide piercing elements for the sheets and being of a height just sufficient to pierce the carbon sheet and nonpenetratingly press against the flat surfaces presented by the other leaf.

2,187,698

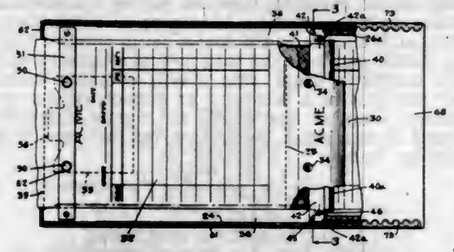
MANIFOLDING DEVICE

Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application May 6, 1938, Serial No. 206,361

19 Claims. (Cl. 282—3)

15. As an article of manufacture, a manifolding assemblage comprising a casing including an inner part and an outer part, the inner part having a transverse partition to form a supply compartment; a pile of zigzag folded continuous strips carried by and substantially filling the supply compartment; a platen over which the strips are led resting on the top of the side walls of the inner part and having depending portions bracingly engaging the side walls of the inner part to hold them against lateral movement, a plurality of carbon sheets disposed over the platen in in-



terleaved relation with the continuous strips; and means including a bendable element for locking the carbon sheets to the platen, the outer part of the casing enclosing all sides of the inner part to protect the inner part, platen and manifolding material during shipment and having a portion of the top wall thereof held in place by a frangible connection whereby it can be readily removed to form a writing opening.

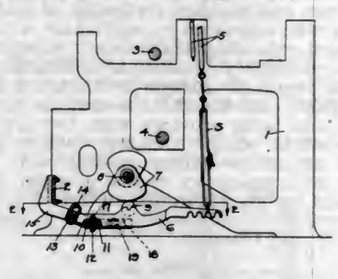
2,187,699

LOOM HARNESS MECHANISM

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application July 15, 1939, Serial No. 284,798

9 Claims. (Cl. 139—79)



1. In a loom, a harness frame, a harness treadle connected with said harness frame for operating the latter, a cam for operating said treadle, a fixed fulcrum member, said treadle having a substantially flat surface extending longitudinally of the treadle and bearing on said fulcrum member, and guide means comprising a fixed stand and a pin and slot connection between said stand and said treadle for preventing the latter from moving longitudinally, the slot of said connection being arcuate and the center thereof substantially coinciding with the fulcrum point of said fulcrum member.

2,187,700

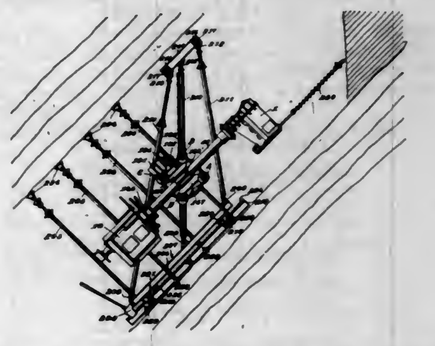
MINING APPARATUS

Edgar M. Cadwallader, Cleveland, Ohio, assignor to Mineral Cutting Machine Company, Inc., Cleveland, Ohio, a corporation of Delaware

Application April 20, 1939, Serial No. 269,001

15 Claims. (Cl. 255—51)

1. In an apparatus for the mining of coal or similar mineral, a housing, a plurality of rotatable boring elements arranged in spaced and aligned relation mounted in said housing and having an end extended through a wall thereof, a casing enclosing a gear mechanism, a tubular member enclosing the actuating mechanism connecting said boring elements to said gear mechanism interposed between said housing and said casing, a supporting sleeve surrounding said tubular member, supporting standards, a supporting



bracket surrounding each of said standards and carried thereby, a second supporting bracket disposed adjacent to each of said first named supporting brackets, tubes extending transversely between said second named supporting brackets and carried thereby, and trolleys carried by said sleeve and mounted for travel along each of said tubes whereby the boring elements as a unit are supported in the breast at an angle substantially parallel with the pitch of the floor of the vein.

2,187,701

BARBITURIC ACID DERIVATIVES

Arthur C. Cope, Bryn Mawr, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application October 15, 1936, Serial No. 105,826

11 Claims. (Cl. 260—257)

1. Secondary 5-Δ_1-alkenyl barbituric acids in which the alkenyl group is an open chain group.

2,187,702

BARBITURIC ACIDS

Arthur C. Cope, Bryn Mawr, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application March 14, 1939, Serial No. 261,769

12 Claims. (Cl. 260—257)

1. 5-alkyl 5-Δ_1-alkenyl N-alkyl barbituric acids in which the 5-Δ_1-alkenyl group is an open chain group having at least three carbon atoms.

2,187,703

BARBITURIC ACIDS

Arthur C. Cope, Bryn Mawr, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application March 23, 1939, Serial No. 263,807

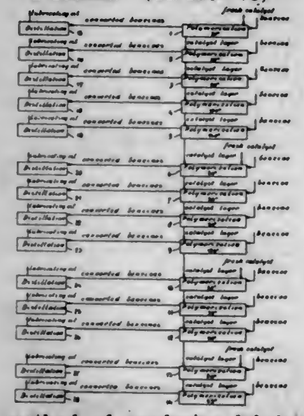
5 Claims. (Cl. 260—257)

1. 5-alkyl 5-(1-methyl-Δ_1-butenyl) barbituric acids in which the alkyl group has from one to three carbon atoms.

2,187,704
METHOD OF PRODUCING LUBRICATING OILS

Nikolaus Geiser, Oberhausen-Holten, and Herbert Goethel, Hamborn, Germany, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany

Application December 15, 1936, Serial No. 115,950
In Germany December 20, 1935
4 Claims. (Cl. 196—78)



4. The method of producing lubricating oils from olefines, comprising the steps of causing, by the addition of aluminium chloride as a polymerizing catalyst, a hydrocarbon mixture mainly consisting of aliphatic hydrocarbons and being rich in olefines to polymerize, separating said polymerizing catalyst from the lubricating oil produced and reusing it repeatedly in a number of successive polymerization reactions of the same kind, a higher reaction temperature being maintained and a hydrocarbon mixture having a higher content of olefines being reacted upon in each subsequent reaction without materially exceeding about 160° C.

2,187,705
BARBITURIC ACID DERIVATIVES

Walter H. Hartung, Baltimore, Md., and Frank S. Crossley, Philadelphia, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

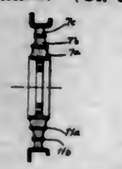
No Drawing. Application October 15, 1936, Serial No. 105,827
8 Claims. (Cl. 260—257)

1. Primary 5-Δ_1-alkenyl barbituric acids in which the Δ_1-alkenyl group has at least three carbon atoms.

2,187,706
POWER TRANSMITTING COUPLING

Maurice François Alexandre Julien, Paris, France

Application October 20, 1936, Serial No. 106,578
In Germany January 25, 1936
2 Claims. (Cl. 64—11)

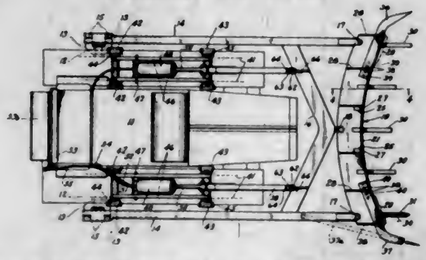


1. A universal joint for transmitting power with a considerable torsional conical and axial elasticity from a driving shaft to a driven shaft in substantial alignment therewith and comprising in concentric relation an outer drum connected to one shaft, an inner hub connected to the other shaft, said inner hub having a diameter smaller than ⅔ the diameter of the said drum, and an elastic coupling member extending between and connecting said drum and said hub, said elastic coupling member having an annular shape with a minimum thickness in axial direction, said minimum thickness being smaller than the radial width of the said member between said hub and said drum, said elastic coupling member comprising a plurality of concentrically arranged annular bodies of an elastic material, closed metal rings being inserted between said annular bodies.

2,187,707
LAND CLEARING MACHINE

Archie S. Kane, Everett, Wash.

Application June 20, 1939, Serial No. 278,583
2 Claims. (Cl. 37—2)



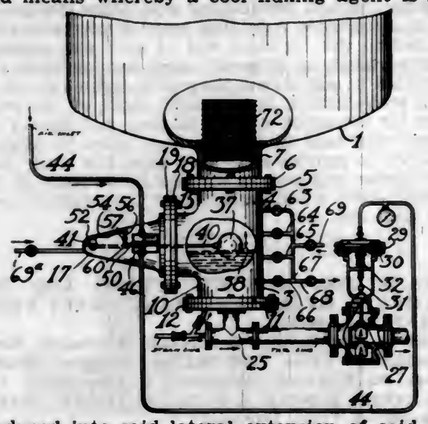
1. In an apparatus of the character described, the combination with a tractor of a frame supported from and disposed forwardly of said tractor and a yoke supported on said frame, a concave mold board extending transversely substantially in a vertical plane a plurality of rooting and lifting hooks, means for adjustably fixing the shanks thereof flush with the mold board, one or more of said hooks being provided with forwardly and lateral cutting edges, splitting wedges removably and adjustably affixed to either side of the concave mold board by means of rigid shanks and means for maintaining said lateral splitting wedges in established position rigidly to said mold board and said frame.

2,187,708
APPARATUS FOR INHIBITING TAR POLYMERIZATION

Alois Cibulka, Highlands, and Maurice W. Mayer, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

Application January 31, 1936, Serial No. 61,776
1 Claim. (Cl. 196—58)

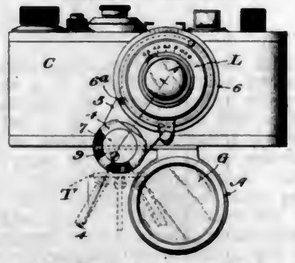
An apparatus of the character described including a tar separating chamber adapted to receive cracked hydrocarbon products, a separate smaller tar pot secured to the bottom of said tar separating zone and in communication with said tar separating chamber for receiving tar from said tar separating chamber, said tar pot at its upper portion having a smaller cross sectional area than said tar separating chamber so that a smaller surface of the tar in said tar pot is exposed to the high temperature in said tar separating chamber, said tar pot having a hollow lateral extension, means for maintaining the level of the tar substantially constant at a relatively low level in said tar pot and at a substantial distance below said tar separating chamber, said means including a discharge valve for withdrawing tar from said tar pot, said discharge valve being operated by means responsive to the changes in the level of the tar in said tar pot, said level responsive means including a float arm pivoted in said lateral extension at a point removed from said upper portion of said tar pot, and means whereby a cool fluxing agent is introduced into said lateral extension of said tar pot adjacent said float arm pivot for cooling and flushing said pivot and for cooling the tar without appreciable condensation of the vapors above the tar in said tar pot, said smaller tar pot providing means whereby the time of contact between the tar in said tar pot and hot vapors in said tar separating chamber is relatively short and the rate of polymerization of the tar is reduced.



2,187,709
PHOTOGRAPHIC APPARATUS

Bernard J. Foy, Washington, D. C., assignor of one-half to Leon H. Troshinsky, Washington, D. C.

Application December 31, 1937, Serial No. 182,904
6 Claims. (Cl. 95—44)

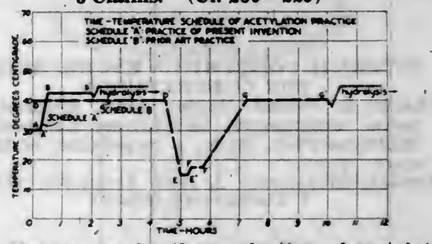


1. In combination, a camera device adapted to be mounted on a tripod or the like and having a casing provided with a lens opening, a focusing panel rigidly mounted on the casing and having an axis parallel to that of the lens opening, a lens holder arm having at one end a lens, interlocking, light-trapping shoulders complementally formed on the lens holder arm about the lens and on the camera casing about the periphery of the lens opening, pivot elements formed on the camera casing and directly on the other end of the lens holder arm respectively and connected together for pivotal movement about an axis parallel to and equidistant from the first named axes and for relative axial movement whereby the shoulders may be separated axially and the camera casing rotated about the pivot axis to bring the focusing panel and lens opening selectively into alignment with the lens, and means formed directly on the lens holder arm pivot element adapted to be connected to a tripod or the like to mount the lens holder arm fast thereon with the axis of the lens substantially horizontal.

2,187,710
WOOD CELLULOSE AND METHOD OF PRODUCING SAME

Lionel Elmer Goff, Lyle Melvin Sheldon, Milton Lawrence Herzog, and Fredrich Olsen, East Alton, Ill., assignors to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware

Application May 26, 1936, Serial No. 81,845
3 Claims. (Cl. 260—229)

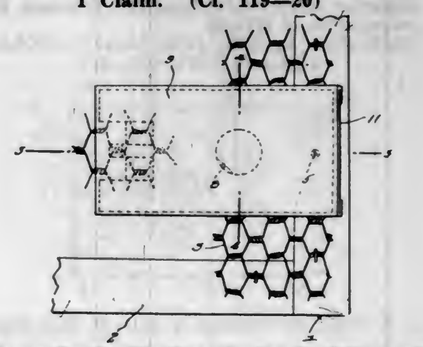


1. The process for the production of acetylatable cellulose from wood comprising subjecting wood in desired subdivision to a mild acid sulfite digestion terminated with the resulting pulp at a bleachability not exceeding 35%, chlorinating said pulp, removing the chlorination products by treatment with an alkaline solution, subjecting the treated pulp to a hypochlorite bleach, treating the chlorinated bleached pulp in an alkaline solution of the order of 7% concentration of sodium hydroxide at a temperature above 30°–120° C., washing said pulp and dehydrating by treatment with an organic medium and including subjecting the pulp to a temperature of the order of 25° C. to 60° C. in contact with acetic acid to increase the reactivity of the cellulose, so that said cellulose when mixed with a sulfuric acid catalyst is acetylatable in about four hours at 40° C. with substantially 2.2 parts of acetic anhydride.

2,187,711
ANIMAL FEEDING MEANS

Harvey Franklin Hablitzel, Long Lake, Wis.

Application April 18, 1939, Serial No. 268,589
1 Claim. (Cl. 119—20)



Means for facilitating placing food in a wire covered pen forming frame comprising an elongated plate having a hole therein, a fastener

passing through an end portion of the plate into a part of the frame with said plate covering a portion of the wire, tongues formed on the other end of the plate, said tongues being bent over portions of the wire to fasten said other end of the plate to the wire, said wire having a hole therein with which the hole in the plate registers whereby food can be passed through the two holes into the pen, the side edges of the plate being bent outwardly away from the wire to form flanges which are spaced from the wire and a cover plate having its side edges bent to form channels for receiving the flanges of the first plate to slidably support the cover plate on the first plate, the channel parts frictionally engaging the flanges to prevent too free sliding movement of the cover plate on the first plate, one end of the cover plate having a bent portion forming a handle.

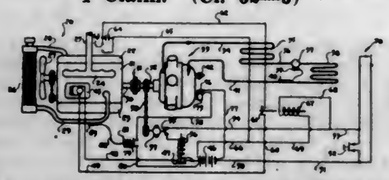
2,187,712

INTERNAL COMBUSTION ENGINE DRIVE FOR COMPRESSORS

Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application January 3, 1938, Serial No. 182,937

1 Claim. (Cl. 62—3)



The combination of an internal combustion engine having an engine crank shaft with a compressor having a compressor crank shaft directly connected to the engine crank shaft, means to control the operation of said compressor whenever the temperature of the engine is below a predetermined minimum value comprising unloading mechanism for preventing the compression of gas by said compressor, and thermostatically controlled means for rendering said unloading means inoperative and thereby loading said compressor when the temperature of the engine rises above said minimum value.

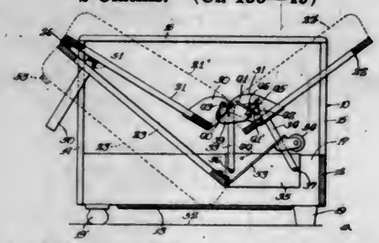
2,187,713

FURNITURE

Joseph W. Bowersox, Glen Ellyn, Ill., assignor to Superior Sleeprite Corporation, Chicago, Ill., a corporation of Illinois

Application April 29, 1939, Serial No. 270,896

2 Claims. (Cl. 155—49)



1. A chair comprising a pair of end frames, means for supporting said frames in laterally spaced upright position, a seat cushion, a back cushion, hinge devices including a releasable latch normally connecting said seat cushion and said back cushion in rigid relation but permitting the back cushion to be placed in a horizontal position upon release of said latch by lifting said seat cushion to a predetermined position, and returning said seat cushion in alignment with said back cushion, means connecting said hinge devices to said end frames, a folding cushion pivotally connected to the forward end of said seat cushion and normally underneath said seat cushion and movable in alignment therewith upon raising of said seat cushion to a height short of the position for actuation of said latches, and means for supporting said folding cushion when in aligned position to provide a chaise lounge, the chair seat, the chaise lounge and the bed being each of the same height when respectively converted thereto for such use.

2,187,714

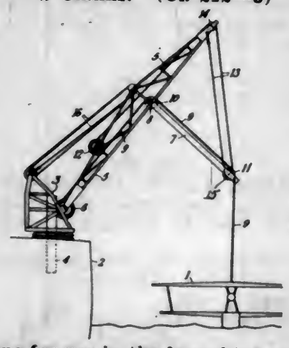
MEANS FOR THE LAUNCHING AND RECOVERY OF WATER-BORNE CRAFT FROM AND TO SHIPS

William Armstrong Woodeson, Jesmond, Newcastle-on-Tyne, and Walter Midgley, Monkseaton, England, assignors to themselves and Clarke, Chapman & Company Limited, Gateshead-on-Tyne, England

Application November 28, 1938, Serial No. 242,798

In Great Britain June 10, 1938

2 Claims. (Cl. 212—3)



1. Means for use in the launching and recovery of water-borne craft from and to a ship, comprising a main luffing boom, an auxiliary boom articulated to the main boom at a point intermediate of the length of the latter, a pulley at the articulation pivot, a hoisting rope led along the auxiliary boom, over said pulley and along part of the main boom, a main hoist drum at the heel of the main boom to which said hoisting rope is controllably attached, and hoisting means carried by the main boom adapted to alter the angular position of the auxiliary boom in relation to the main boom, said hoisting means being mounted on said main boom between the articulation pivot of the auxiliary boom and the main hoist drum at the main boom heel in a position of substantially triangular relation thereto, the arrangement being such that neither angular movement of the main boom nor angular movement of the auxiliary boom with respect to the main boom will produce to any considerable extent a travel of the hoisting rope along the auxiliary boom.

DESIGNS

JANUARY 16, 1940

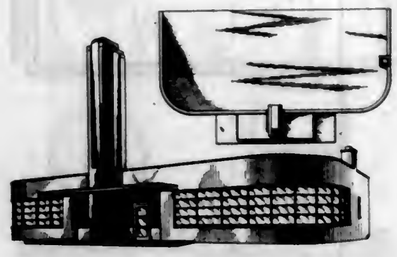
118,551

DESIGN FOR A BUILDING

Herbert B. Beidler, Chicago, Ill., assignor to The Interstate Co., Chicago, Ill., a corporation of Delaware

Application September 11, 1939, Serial No. 87,134

Term of patent 14 years



The ornamental design for a building, as shown and described.

118,552

DESIGN FOR A CANDLE HOLDER OR SIMILAR ARTICLE

Samuel C. Brickley, Arnold, Pa., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania

Application November 3, 1939, Serial No. 88,017

Term of patent 7 years



The ornamental design for a candle holder or similar article, substantially as shown.

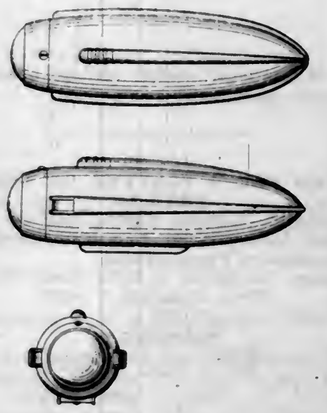
118,553

DESIGN FOR A LAMP

William C. Crimmins, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana

Application November 6, 1939, Serial No. 88,066

Term of patent 7 years



The ornamental design for a lamp, substantially as shown.

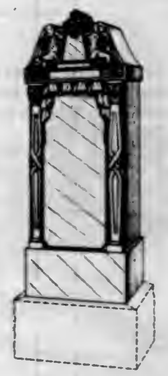
118,554

DESIGN FOR A TOMBSTONE

Max Figatner, New York, N. Y.

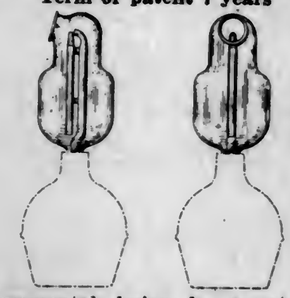
Application November 6, 1939, Serial No. 88,065

Term of patent 7 years



The ornamental design for a tombstone, substantially as shown and described.

118,555
DESIGN FOR AN ATOMIZER
George Grunberg, New York, N. Y.
Application November 22, 1939, Serial No. 88,413
Term of patent 7 years



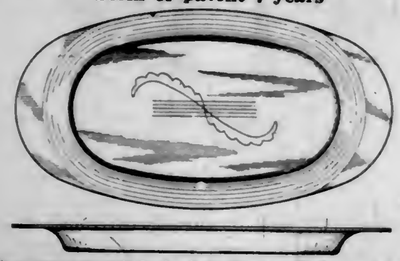
The ornamental design for an atomizer, as shown and described.

118,556
DESIGN FOR A PLATTER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,004
Term of patent 7 years



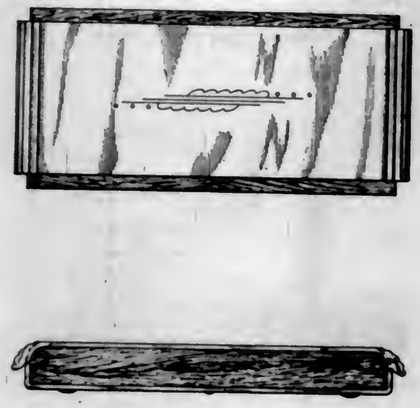
The ornamental design for a platter or similar article, substantially as shown.

118,557
DESIGN FOR A DISH OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,005
Term of patent 7 years



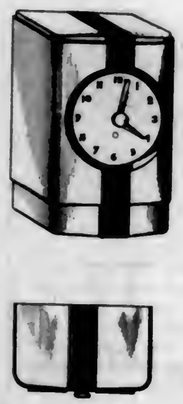
The ornamental design for a dish or similar article, substantially as shown.

118,558
DESIGN FOR A CIGARETTE BOX OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,006
Term of patent 7 years



The ornamental design for a cigarette box or similar article, substantially as shown.

118,559
DESIGN FOR A CLOCK
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 12, 1939, Serial No. 87,636
Term of patent 7 years



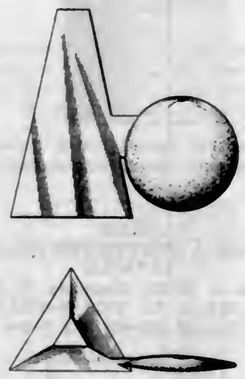
The ornamental design for a clock, substantially as shown.

118,560
DESIGN FOR A JAR FOR COSMETICS
Edith L. Imre, New York, N. Y.
Application September 19, 1939, Serial No. 87,280
Term of patent 3½ years



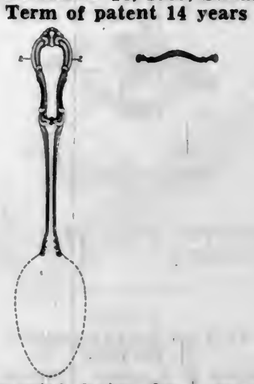
The ornamental design for a jar for cosmetics, as shown.

118,561
DESIGN FOR A CONTAINER
Martin M. Karian, New York, N. Y.
Application April 26, 1939, Serial No. 84,555
Term of patent 3½ years



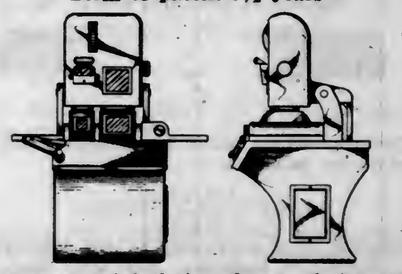
The ornamental design for a container, substantially as shown and described.

118,562
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application November 14, 1939, Serial No. 88,272
Term of patent 14 years



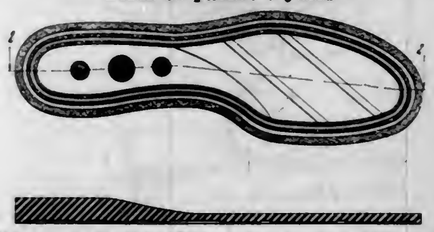
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

118,563
DESIGN FOR A PHOTOGRAPHIC ENLARGER
Hans R. Kossman, West Los Angeles, and Roscoe C. Hubbard, Culver City, Calif., assignors to Emby Photographic Products of California, Inc., West Hollywood, Calif., a corporation
Application August 29, 1939, Serial No. 86,922
Term of patent 3½ years



The ornamental design for a photographic enlarger, as shown and described.

118,564
DESIGN FOR A SHOE SOLE
Pinchos E. Medwed, Bangor, Maine
Application October 19, 1939, Serial No. 87,738
Term of patent 7 years



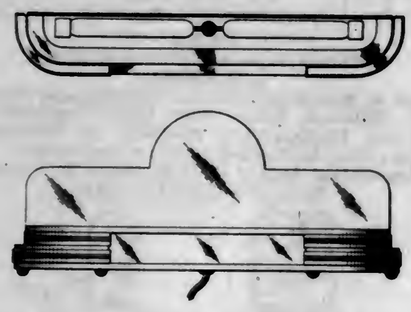
The ornamental design for a shoe sole, substantially as shown.

118,565
DESIGN FOR A PIN CLIP
Oscar Placco, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y.
Application November 24, 1939, Serial No. 88,443
Term of patent 3½ years



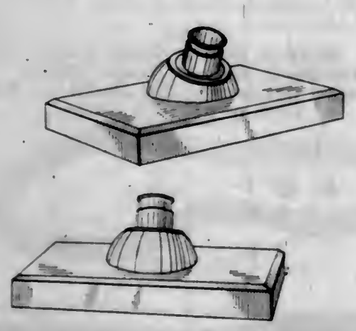
The ornamental design for a pin clip, substantially as shown.

118,566
DESIGN FOR AN ADVERTISING DISPLAY DEVICE
Maxwell E. Ramsey, Clayton, Mo.
Application June 12, 1939, Serial No. 85,457
Term of patent 3½ years



The ornamental design for an advertising display device, as shown.

118,567
DESIGN FOR AN INKWELL OR THE LIKE
Archie D. Robinson, Westfield, Mass.
Application August 21, 1939, Serial No. 86,822
Term of patent 7 years



The ornamental design for an inkwell or the like, as shown.

118,568
DESIGN FOR A COMBINED CIGARETTE DISPENSER AND CLOCK
Harry Rubin, New York, N. Y.
Application June 27, 1939, Serial No. 85,717
Term of patent 3½ years



The ornamental design for a combined cigarette dispenser and clock, substantially as shown.

118,569
DESIGN FOR A COMBINED CIGARETTE DISPENSER AND CLOCK
Harry Rubin, New York, N. Y.
Application August 12, 1939, Serial No. 86,630
Term of patent 7 years



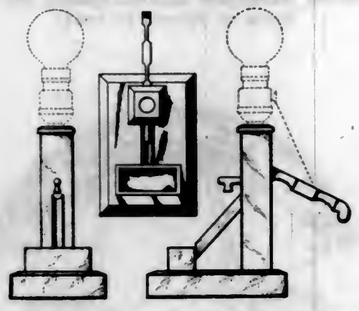
The ornamental design for a combined cigarette dispenser and clock, substantially as shown.

118,570
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Rita G. Ruth, Flushing, N. Y.
Application March 23, 1939, Serial No. 83,879
Term of patent 3½ years



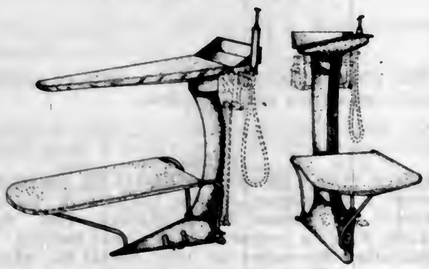
The ornamental design for a statuette or similar article, as shown.

118,571
DESIGN FOR A LAMP
John A. Schachte, Brooklyn, N. Y.
Application June 22, 1939, Serial No. 85,622
Term of patent 3½ years



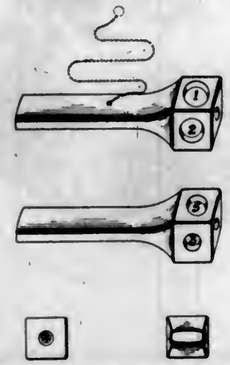
The ornamental design for a lamp, as shown and described.

118,572
DESIGN FOR A CLOTHING CLEANING MACHINE
Karl Schultz, Detroit, Mich.
Application April 17, 1939, Serial No. 84,355
Term of patent 3½ years



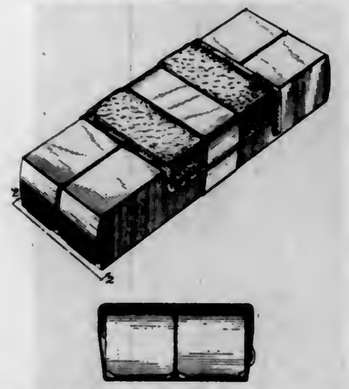
The ornamental design for a clothing cleaning machine, substantially as shown and described.

118,573
DESIGN FOR A GAME DEVICE
Henry Singer, Honolulu, Territory of Hawaii
Application November 16, 1939, Serial No. 88,326
Term of patent 14 years



The ornamental design for a game device, as shown.

118,574
DESIGN FOR A COMBINATION CONTAINER PACKAGE
Albert W. Stompe, Neenah, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application May 23, 1939, Serial No. 85,167
Term of patent 14 years



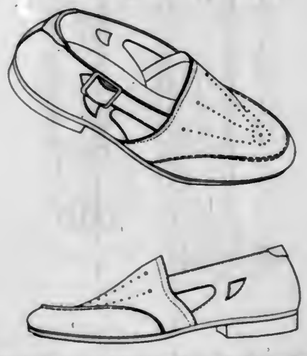
The ornamental design for a combination container package, as shown.

118,575
DESIGN FOR A PIPE COUPLER
George C. Thomas, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application April 29, 1939, Serial No. 84,673
Term of patent 14 years



The ornamental design for a pipe coupler, as shown and described.

118,576
DESIGN FOR A SHOE
William H. Thompson, Brookline, Mass., assignor to French, Shriner & Urner Manufacturing Co., Boston, Mass., a corporation of Massachusetts
Application October 24, 1939, Serial No. 87,833
Term of patent 3½ years



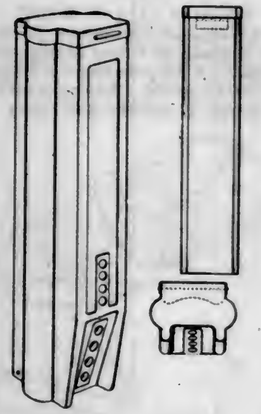
The ornamental design for a shoe, substantially as shown.

118,577
DESIGN FOR A COMBINATION KEY AND KNIFE
Walter H. Voos, Mount Carmel, Conn.
Application August 8, 1939, Serial No. 86,539
Term of patent 14 years



The ornamental design for a combination key and knife, substantially as shown and described.

118,578
DESIGN FOR A PAPER CUP DISPENSER
William J. Emerson, Kensington, Conn., assignor to Connecticut Paper Products Incorporated, Kensington, Conn., a corporation of Connecticut
Application November 4, 1939, Serial No. 88,049
Term of patent 14 years



The ornamental design for a paper cup dispenser, as shown.

118,579
DESIGN FOR A PLATE OR SIMILAR ARTICLE
George J. Higginson, Mount Vernon, N. Y., assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y., a corporation of Great Britain
Application November 30, 1939, Serial No. 88,579
Term of patent 14 years



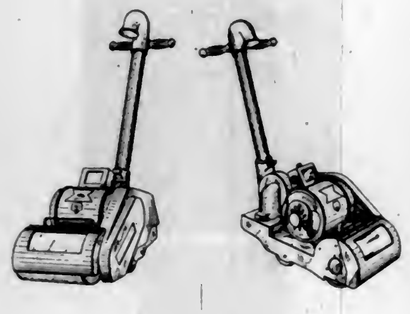
The ornamental design for a plate or similar article, as shown and described.

118,580
DESIGN FOR A PLATE OR SIMILAR ARTICLE
George J. Higginson, Mount Vernon, N. Y., assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y., a corporation of Great Britain
Application November 30, 1939, Serial No. 88,580
Term of patent 7 years



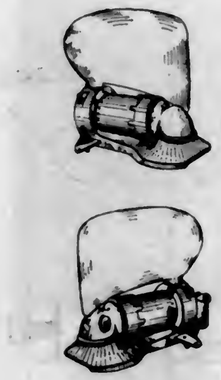
The ornamental design for a plate or similar article, as shown.

118,581
DESIGN FOR A FLOOR SURFACING MACHINE
William E. Holt, Livingston, N. J.
Application April 4, 1939, Serial No. 84,029
Term of patent 7 years



The ornamental design for a floor surfacing machine, as shown.

118,582
DESIGN FOR A COMBINED HOUSING AND BAG FOR A PORTABLE SURFACING TOOL
William E. Holt, Livingston, N. J.
Application April 4, 1939, Serial No. 84,030
Term of patent 7 years



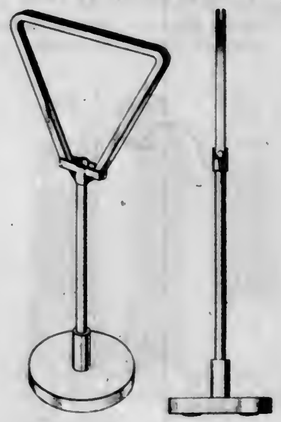
The ornamental design for a combined housing and bag for a portable surfacing tool, as shown.

118,583
DESIGN FOR A WOVEN TEXTILE FABRIC
James R. Lister, Philadelphia, Pa.
Application December 2, 1939, Serial No. 88,621
Term of patent 3½ years



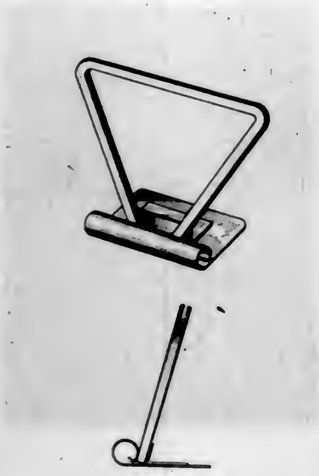
The ornamental design for a woven textile fabric, substantially as shown and described.

118,584
DESIGN FOR AN ADVERTISING DISPLAY STAND
Milton Reynolds, Chicago, Ill., assignor to Printasign Corporation of America, Chicago, Ill.
Application November 4, 1939, Serial No. 88,035
Term of patent 14 years



The ornamental design for an advertising display stand, substantially as shown.

118,585
DESIGN FOR AN ADVERTISING DISPLAY STAND
Milton Reynolds, Chicago, Ill., assignor to Printasign Corporation of America, Chicago, Ill.
Application November 4, 1939, Serial No. 88,036
Term of patent 14 years



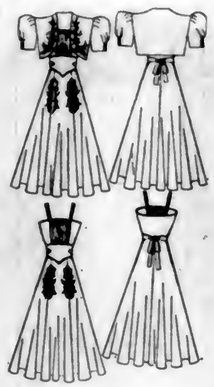
The ornamental design for an advertising display stand, substantially as shown.

118,586
DESIGN FOR A LINE GUIDE FOR FISHING RODS
Louis Tengel, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application October 13, 1939, Serial No. 87,646
Term of patent 14 years



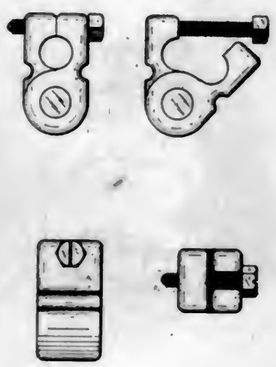
The ornamental design for a line guide for fishing rods, substantially as shown.

118,587
DESIGN FOR A DRESS ENSEMBLE
Shirley Aronoff, New York, N. Y.
Application December 14, 1939, Serial No. 88,877
Term of patent 3½ years



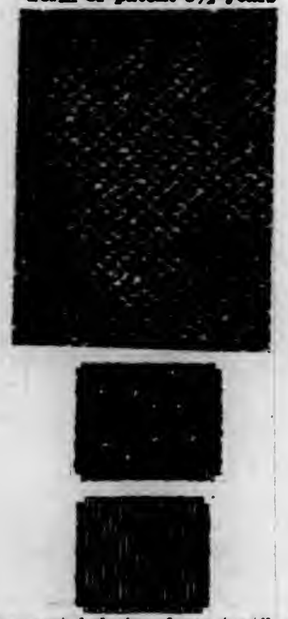
The ornamental design for a dress ensemble, substantially as shown.

118,588
DESIGN FOR AN ELECTRICAL WIRE CONNECTOR
Jasper Blackburn, Webster Groves, Mo.
Application February 11, 1939, Serial No. 82,923
Term of patent 3½ years



The ornamental design for an electrical wire connector, as shown.

118,589
DESIGN FOR A TEXTILE FABRIC
Louis Bondy, Baltimore, Md.
Application August 30, 1939, Serial No. 86,937
Term of patent 3½ years



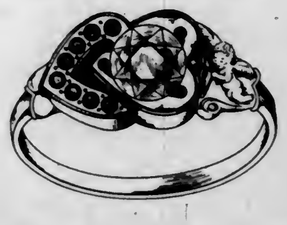
The ornamental design for a textile fabric, as shown and described.

118,590
DESIGN FOR A TEXTILE FABRIC
Louis Bondy, Baltimore, Md.
Application August 30, 1939, Serial No. 86,939
Term of patent 3½ years



The ornamental design for a textile fabric, as shown and described.

118,591
DESIGN FOR AN ENGAGEMENT RING
Nathan A. Cohn, Los Angeles, Calif.
Application April 12, 1939, Serial No. 84,231
Term of patent 7 years



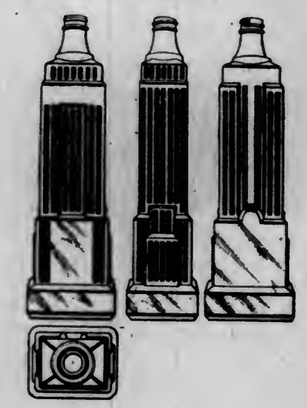
The ornamental design for an engagement ring, as shown.

118,592
DESIGN FOR A WEDDING RING
Nathan A. Cohn, Los Angeles, Calif.
Original application April 12, 1939, Serial No. 84,231. Divided and this application August 7, 1939, Serial No. 86,529
Term of patent 3½ years



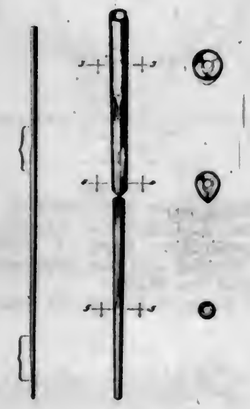
The ornamental design for a wedding ring, as shown.

118,593
DESIGN FOR A BOTTLE
Ernest L. Du Pree, Douglaston, Long Island, N. Y., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Application October 7, 1939, Serial No. 87,569
Term of patent 14 years



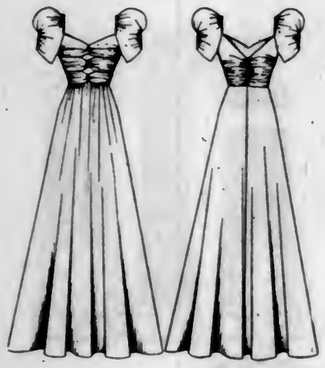
The ornamental design for a bottle, as shown.

118,594
DESIGN FOR A GOLF CLUB SHAFT OR THE LIKE
John Heddon, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan
Substitute for abandoned application Serial No. 81,341, November 25, 1938. This application December 6, 1939, Serial No. 88,736
Term of patent 14 years



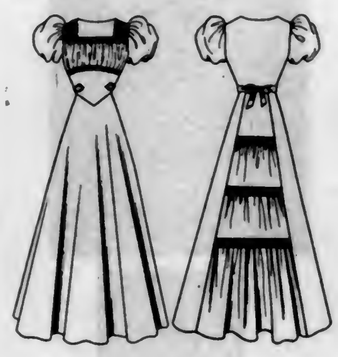
The ornamental design for a golf club shaft or the like, as shown and described.

118,595
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application December 11, 1939, Serial No. 88,811
Term of patent 3½ years



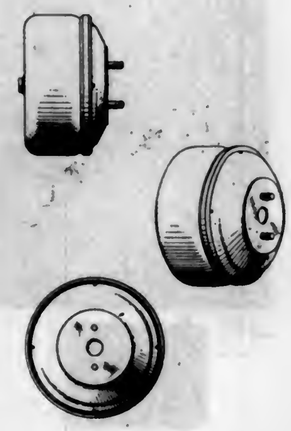
The ornamental design for a dress, substantially as shown.

118,596
DESIGN FOR A DRESS
Arthur Kaufman, New York, N. Y.
Application December 14, 1939, Serial No. 88,880
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,597
DESIGN FOR A POWER CHAMBER
Edward Knauss, Berkeley, Calif., assignor to Besler Systems, a corporation of California
Application June 13, 1939, Serial No. 85,945
Term of patent 14 years



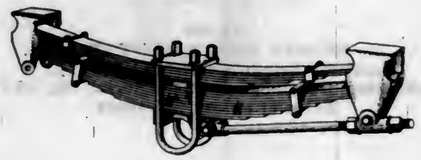
The ornamental design for a power chamber, substantially as shown and described.

118,598
DESIGN FOR A HEAD FOR A HAND MIRROR OR SIMILAR ARTICLE
Edward Marder, Brooklyn, N. Y.
Application May 22, 1939, Serial No. 85,120
Term of patent 3½ years



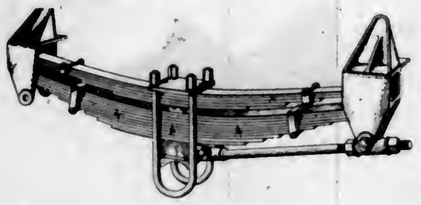
The ornamental design for a head for a hand mirror or similar article, substantially as shown and described.

118,599
DESIGN FOR A COMBINED VEHICLE SPRING AND SUPPORT THEREFOR
George A. Mercer, Jr., Savannah, Ga.
Application October 12, 1937, Serial No. 72,136
Term of patent 7 years



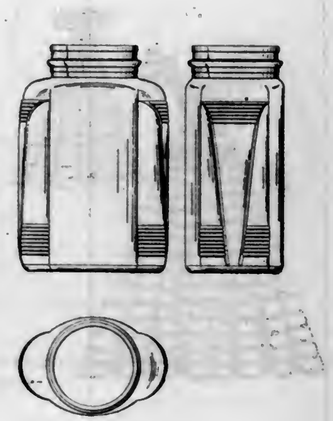
The ornamental design for a combined vehicle spring and support therefor, as shown and described.

118,600
DESIGN FOR A COMBINED VEHICLE SPRING AND SUPPORT THEREFOR
George A. Mercer, Jr., Savannah, Ga.
Application October 12, 1937, Serial No. 72,137
Term of patent 3½ years



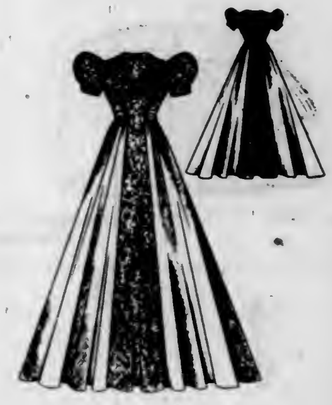
The ornamental design for a combined vehicle spring and support therefor, as shown and described.

118,601
DESIGN FOR A JAR
Olbert C. Noble, Washington, Pa., assignor to Tygart Valley Glass Company, Washington, Pa., a corporation of West Virginia
Application November 10, 1939, Serial No. 88,197
Term of patent 7 years



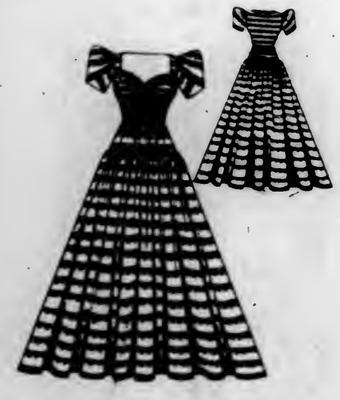
The ornamental design for a jar, as shown.

118,602
DESIGN FOR A DRESS
Anne Rebhuhn, New York, N. Y.
Application December 18, 1939, Serial No. 88,968
Term of patent 3½ years



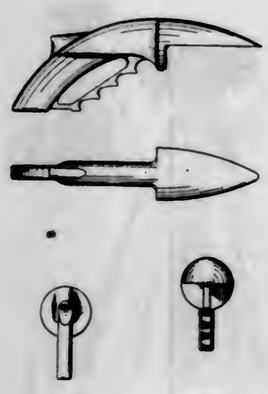
The ornamental design for a dress, substantially as shown.

118,603
DESIGN FOR A DRESS
Anne Rebhuhn, New York, N. Y.
Application December 18, 1939, Serial No. 88,970
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,604
DESIGN FOR AN ICE CREAM DIPPER
Ray E. Rothenbush, Los Angeles, Calif., assignor of one-half to Bertha Druding, Indianapolis, Ind.
Application November 27, 1939, Serial No. 88,503
Term of patent 14 years



The ornamental design for an ice cream dipper, as shown.

118,605
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application December 16, 1939, Serial No. 88,951
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

118,606
DESIGN FOR A SLIPPER
Louis E. Friedman, Brooklyn, N. Y.
Application December 8, 1939, Serial No. 88,776
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

118,607
DESIGN FOR A SLIPPER
Louis E. Friedman, Brooklyn, N. Y.
Application December 8, 1939, Serial No. 88,773
Term of patent 3½ years



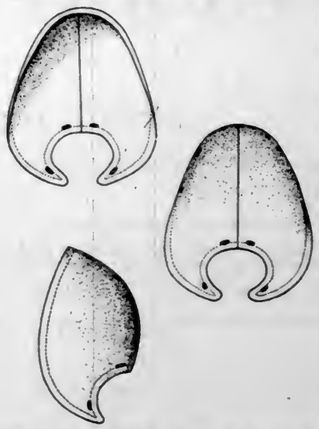
The ornamental design for a slipper, substantially as shown.

118,608
DESIGN FOR A BUTTON
Sol Holstein, New York, N. Y.
Application November 1, 1939, Serial No. 87,990
Term of patent 3½ years



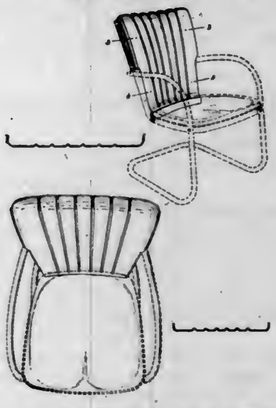
The ornamental design for a button, substantially as shown.

118,609
DESIGN FOR A HOOD
Gertrude Shear, New York, N. Y.
Application October 5, 1939, Serial No. 87,531
Term of patent 3½ years



The ornamental design for a hood, substantially as shown.

118,610
DESIGN FOR A CHAIR
Walter Dorwin Teague, New York, N. Y., assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application October 23, 1939, Serial No. 87,814
Term of patent 7 years



The ornamental design for a chair, as shown and described.

Patents Nos. 2,187,715 to 2,188,294

THE OFFICIAL GAZETTE

OF THE United States Patent Office

Vol. 510—No. 4 TUESDAY, JANUARY 23, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of January 23, 1940	773
Adjudicated Patents	773
Adverse Decisions in Interference	773
Notice of Cancellation	773
Applications Under Examination	774
Decisions of the U. S. Courts—	
In re Replogle	775
In re Harris	776
Patent Suits	777
Trade-Mark Registrations Canceled	778
Disclaimers	778
Trade-Marks Published (113 Applications)	779
Trade-Mark Registrations Granted	792
Trade-Mark Registrations Renewed	798
Labels	799
Prints	800
Reissues	801
Plant Patents	802
Patents Granted	803
Designs	930

January 23, 1940

Trade-Marks	188—No.	374,647 to No.	374,834, inclusive.
T. M. Renewals	16		
Labels	48—No.	54,172 to No.	54,219, inclusive.
Prints	5—No.	17,805 to No.	17,809, inclusive.
Reissues	7—No.	21,329 to No.	21,335, inclusive.
Plant Patents	1—No.	355	
Patents	580—No.	2,187,715 to No.	2,188,294, inclusive.
Designs	81—No.	118,611 to No.	118,691, inclusive.
Total	926		

Adjudicated Patents

(D. C. Ohio.) Hoyt patent, No. 1,508,394, for fastening-inserting machine, claims 19 and 21 *Held* valid and infringed. *United Shoe Machinery Corporation* v. *Williams Mfg. Co.*, 29 F. Supp. 1015.

(C. C. A. Va.) O'Malley patent, No. 1,543,587, for safety razor, claim 1 *Held* not infringed. *Gillette Safety Razor Co.* v. *Cliff Weil Cigar Co.*, 107 F.(2d) 105.

(D. C. Ohio.) McFeely patent, No. 1,558,737, for lasting machine, claims 6, 23, 42, 85, and 91 *Held* valid and infringed. *United Shoe Machinery Corporation* v. *Williams Mfg. Co.*, 29 F. Supp. 1015.

(C. C. A. N. J.) Bertelsen patent, No. 1,607,047, for method of making artificial cork, *Held* invalid. *Armstrong Cork Co.* v. *United Cork Cos.*, 107 F.(2d) 36.

(C. C. A. Del.) Götz patent, No. 1,717,204, for needle bearing, *Held* invalid. *Götz* v. *Universal Products Co.*, 107 F.(2d) 40.

(C. C. A. Calif.) McRoskey patent, No. 1,931,202, for method of tying mattresses, *Held* not infringed. *McRoskey* v. *Braun Mattress Co.*, 107 F.(2d) 143.

(C. C. A. Tenn.) Hanson patent, No. 1,970,698, for portable repair vulcanizer, *Held* invalid. *Shaler Co.* v. *Rite-Way Products*, 107 F.(2d) 82.

(C. C. A. Calif.) McRoskey patent, No. 1,977,856, for mattress tufting machine, claims 1 to 3, 9 to 12, 15 to 18, 20 to 23, and 25 to 28 *Held* not infringed. *McRoskey* v. *Braun Mattress Co.*, 107 F.(2d) 143.

(C. C. A. Minn.) Bentzen patent, No. 2,012,846, for multiple outlet spout, *Held* invalid. *General Metalware Co.* v. *Nelson*, 107 F.(2d) 77.

(C. C. A. Del.) Götz reissue patent, No. 18,080, for needle bearing *Held* invalid. *Götz* v. *Universal Products Co.*, 107 F.(2d) 40.

(D. C. Wis.) Pohl design patent, No. 112,129, for design for a steam electric pressing iron, *Held* not infringed. *Steem-Electric Corporation* v. *Herzfeld-Phillipson Co.*, 29 F. Supp. 1011.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,044,465, O. F. Carlson, Pressure and differential control, decided December 12, 1939, claims 1 and 4.

Pat. 2,068,456, E. J. Hooper, Elastic ventilated fabric, decided December 9, 1939, claims 1 and 2.

Pat. 2,086,495, F. W. Garner and G. E. MacMannus, Electric meter connection appliance, decided November 15, 1939, claims 1, 2, and 3.

Pat. 2,141,922, H. W. Lord, Electric valve translating circuit, decided December 11, 1939, claims 1 and 2.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 4, 1940.*

M. Zigelman, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Old Quaker Company, Lawrenceburg, Ill., to effect the cancellation of trade-mark registration No. 173,947, issued October 2, 1923, to M. Zigelman, 2218 South Broadway, St. Louis, Mo., and a notice of such proceeding sent by registered mail to said M. Zigelman at said address having been returned by the post office as undeliverable, notice is hereby given that unless said M. Zigelman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business January 6, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,134; Trade-Mark Division, 1,384. Oldest new case, May 22, 1939; oldest amended, May 18, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 28	July 24	624
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 30	May 18	881
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 6	Nov. 6	323
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	July 20	July 26	608
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Oct. 7	Oct. 6	428
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 11	July 13	976
5725	7. JARBOE, C. G., Optics; Photography	Sept. 8	Sept. 5	938
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 22	July 8	1114
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 15	July 17	757
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 28	Sept. 22	533
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 9	Sept. 18	479
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 19	July 11	457
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 29	July 25	727
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 25	Oct. 18	468
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 14	July 15	1378
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 4	Aug. 4	694
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing, Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 9	Aug. 17	722
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 8	Aug. 23	558
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	Aug. 1	493
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 26	Aug. 14	366
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 8	Sept. 12	498
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 12	June 12	1094
7624	23. BUTTNER, W. J., Registers (part)	June 8	June 20	311
5083	24. DURAS, C. O., Apparel: Apparel Apparatus; Garment Supporters; Sewing Machines	May 26	May 24	1367
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 11	Sept. 16	615
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 9	Aug. 12	505
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 19	June 3	1065
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element: Cylinders and Pistons	Aug. 16	Aug. 18	443
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 17	July 6	816
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 7	Aug. 7	849
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 8	Sept. 6	961
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 6	Oct. 9	386
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 9	Aug. 7	1005
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Oct. 18	Oct. 11	240
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 12	Aug. 8	731
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 26	Aug. 11	646
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 31	July 27	756
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 1	July 3	812
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 2	Sept. 6	612
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 13	June 13	2003
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 24	Aug. 8	279
5882	42. CUTTING, H. O., Electric Signaling	June 10	June 22	718
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 6	Sept. 2	531
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 9	July 31	691
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Sept. 8	Sept. 25	562
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 8	Aug. 12	732
6082	47. LOWE, E. R., Clutches; Brakes	Sept. 14	Sept. 11	531
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 18	Aug. 29	463
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 6	July 1	1000
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 5	Aug. 5	1346
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 18	Oct. 17	655
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 7	Sept. 13	706
6897	53. PECK, M. K., Books: Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 25	Sept. 30	333
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 19	Oct. 10	336
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 19	Aug. 21	448
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 8	July 12	1291
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 12	Aug. 2	450
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 12	Sept. 12	472
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 3	Aug. 3	897
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 6	Sept. 9	418
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding, Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 8	Aug. 8	627
5621	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 21	Oct. 20	400
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 1	June 30	1046
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Sept. 20	Sept. 19	695
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 16	Aug. 8	520
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Nov. 25	Dec. 4	1305
	{Labels and Prints	Dec. 20	Dec. 28	79
2606	Designs: H. H. KALUPY	Nov. 21	Nov. 22	762

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE REPLOGLE

No. 4,185. Decided December 4, 1939

[— F.(2d) —]

PATENTABILITY—PACKAGE.

Claims for a retail cigarette package *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. John M. Leach for Replogle.

Mr. Howard S. Miller for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner rejecting seven claims (being all the claims) numbered 1 to 5, inclusive, 8 and 9, of appellant's application for patent, entitled "For Packages", relating in particular to a retail cigarette package. The subject matter is fully illustrated by claim 2 which reads:

2. As an article of manufacture, a retail cigarette package having its walls formed of a single layer of a laminated material comprising an innermost sheet of relatively opaque foldable material, a layer of printing, and an outermost sheet of transparent material adhesively united to the opaque material so that the printing may be seen through the transparent sheet, an end of the package being metallized.

It is thought that the package may be visualized from the language of the claim and that but little elaboration in description is necessary. It appears that the "layer of printing" feature may be produced by making the imprint either on the face of the backing material adhering to the wall, or on the inner face of the outside transparent wrapper. The metallization feature which is involved in all the claims except claim 1 is produced according to appellant's brief wherein his specification is paraphrased,

"by depositing a suitable thin coating of metal over the areas of the laminated sheet which form the ends of the package, or by adhering a thin metal foil over these areas."

There is, we assume, a very general familiarity with forms of cigarette packages sold at retail, and appellant's specification recites the purpose of "simulating in appearance" the type of such packages "now in common use."

Numerous advantages are claimed for appellant's package, which package the brief refers to as "a novel 'single-walled' package," such as preventing variation in the moisture content of the cigarettes, protection of them against contaminating elements, and against their tearing or bending. The matter of attractiveness in appearance is referred to and also the matter of economical production.

Patentability was denied by the tribunals of the Patent Office in view of the disclosures in two patents, viz., a British patent to Wolff & Co., No. 328,269, dated April 22, 1930, entitled "Improvements in and relating to Sheet or Strip Material for Packing, Covering, Decoration and similar purposes", and United States Patent No. 452,109, granted to Thomas J. Maloney May 12, 1891, entitled "Tobacco-Package and Wrapper for the Same."

The specification of the British patent (which contains no drawings) discloses "a sheet—or strip-like product of any desired width and length for packing, covering decoration or ornamentation and similar purposes." The sheet is described as a "compound body", it being formed of a foundation layer and a second layer adhesively imposed thereon. Both layers may be of the same materials or of different materials. Materials specifically mentioned are paper, textile fabric, metal foil, ramie material, and cellulose film or strip. The adhesive element with which the foundation layer is coated is described as "a water-insoluble" adhesive. The specification teaches that printing may be applied to either the base layer or to the outer layer in a manner which obviously would form a "layer of printing" between the two layers arranged as is the printing layer of appellant's package.

As has been stated, the patent contains no drawings and no form of package is claimed or described.

As we understand the patent, it is simply for the compound sheet described—a sheet from which packages for various uses may be made if desired.

There is a suggestion in the brief for appellant that the sheet of the British patent was intended for making "packing" rather than "packages", using "packing" in the sense of a finely divided comminuted material used as a shock absorber in the manner in which excelsior is sometimes used. This, we think, is untenable. The patent clearly teaches use as a covering along with other uses, and we think the patent would not justify the narrow interpretation which appellant suggests.

The patent to Maloney seems to have been cited by the Examiner solely upon the metallization feature mentioned in six of the claims. The Board, however, said of it that it "clearly shows the use of a strip used for making a cigarette package." This statement appears to be inaccurate because the specification seems to limit the package to use for "packing cut tobacco for smoking or chewing." However, it is disclosed that the ends of the package are metallized, strips of foil being adhesively attached thereto, and one figure of the drawings shows printing which may be upon the outer wrapper, or an independent label may be applied. We regard this patent as being pertinent upon the metallization feature only.

The tribunals of the Patent Office held, in substance, that no invention would be involved in making a cigarette package from the sheet described in the British patent and that the metallization feature of appellant's package presented nothing patentable in view of Maloney.

Whether any patent has ever been granted for a package for holding cigarettes we are not advised. None has been cited here, the Maloney patent, as

stated above, being a package for tobacco in a different form. It is a matter of common knowledge of which we may take judicial notice that it is the common practice to package cigarettes in the factories where they are made, machinery being used in manipulating the packaging material into form. Enc. Brit. Vol. 5, 14th Ed., pages 704–5.

Some cigarette packages (which bear no patent indicia) were filed as exhibits in the case along with an affidavit of appellant and one of another party, but these were filed long after his appeal to the Board and after the Examiner's statement. The Board made no reference to them in its decision, and in his reasons of appeal to this court appellant asserts that the Board erred in not giving such exhibits and the affidavits "proper weight".

The record does not disclose any effort on the part of appellant to have the case remanded to the Examiner for his consideration of those matters, and, under such circumstances, in view of Patent Office rule 138, it was not error on the part of the Board if it did proceed without taking them into consideration. Whether the Board did, in fact, consider them we do not know, but we may state that from our examination of them we fail to see where they could be regarded as helpful to appellant. Indeed, if it were proper to consider the packages as prior art they would tend to weaken rather than strengthen his case. However, we have not so considered them.

The question reduced to its simplest form (the metallization feature being clearly anticipated) is, was it inventive to make a package for cigarettes, "simulating in appearance the retail cigarette packages of the type now in common use", as recited in appellant's specification, from material such as that disclosed in the British patent?

We are unable so to conclude.

That appellant evolved a desirable package may be conceded, but he made it from material of a type and having a structural arrangement covered by the British patent. We agree with the tribunals below that it required nothing more than mechanical skill to take such material and put it in package form.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HARRIS

No. 4,191. Decided December 4, 1939

[— F.(2d) —]

PATENTABILITY—LIGHT PROJECTOR.

Certain claim for a light projector *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Eugene L. Greenewald (*Mr. Donald C. Harrison* of counsel) for Harris.

Mr. Howard S. Miller for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner which rejected claim 8 of appellant's application for a patent for alleged new and useful improvements in "Light Projectors and Metal Mirrors."

The said claim was rejected by the tribunals below for want of patentably novel combination and reads as follows:

8. In a light-projector intended to withstand corrosive atmospheres, heat, and also severe mechanical shock such as that caused by the vibration of gunfire, and comprising a mirror, a light source, and means for maintaining said light source substantially at a focus of said mirror, said light source being a high intensity electric arc between cored carbon electrodes; a rolled, wrought, optically figured and polished metal mirror having the following composition: 15% to 35% chromium, 2% to 6% metal of the group consisting of tungsten and molybdenum, carbon in substantial amounts in the neighborhood of 1% but not over about 1.25%, and the remainder principally cobalt.

The references are: Barbier (French), 413,986, June 8, 1910; Siemens et al. (German), 515,798, January 12, 1931.

The remaining claims 1 and 2 relating to the mirror alone were allowed.

The application relates to a light projector comprising a metal mirror made as set forth in the rejected claim and situated behind electrodes forming an electric arc. The light created by the arc is projected by the mirror.

The patent to Barbier relates to a light projector which includes a metallic mirror and an electric arc or other luminous source.

The patent to Siemens et al., need not be described as it apparently did not enter into the reasons given below for the said rejection.

The Examiner rejected claim 8 for the reason that it was drawn to an old combination as shown by Barbier.

In his statement the Examiner cited the decision of this court, *In re Vawter*, 19 C. C. P. A. (Patents) 1140, 57 F.(2d) 365, 421 O. G. 857, in which it was held that:

A combination to be patentable as such must disclose a novelty of cooperation between its elements which produces a new result and amounts to invention, and the mere fact that some elements are themselves novel and possibly patentable as individual elements does not render the combination containing them patentable in the absence of such novel cooperative relation in the combination itself.

The Board of Appeals in affirming the decision of the Examiner also held that since appellant secured allowance of claims to the mirror itself it appears he concedes that the inventive element may exist apart from the structure set out in the preamble of the rejected claim.

The only question here is whether or not claim 8 defines a patentably novel combination. There can be no question but that a combination of a mirror and light source is old as shown by the Barbier reference. It is likewise clear that the only difference between the Barbier patent and the disclosure of claim 8 is in the mirror. Any improvement in result that may be brought about in the combination of mirror and light source is entirely due to the characteristics of the new element (the mirror). There is no novel cooperation between this new element and the other elements of the prior art combination. As the Examiner stated:

Obviously, other light sources could be combined with the metal reflector claimed. Similarly, other types of reflectors could be used with the light source claimed. Metal reflectors are recognized by inventors as independent subject matter and are independently manufactured and sold.

The case of *In re Reed and Lamie*, 22 C. C. P. A. (Patents) 1182, 76 F.(2d) 907, 460 O. G. 5, involved a similar situation. In that case we said:

Appellants' device is novel, because they have combined a new and patented coke making device with an old water gas generator. It may be that improved results were obtained by such combination. However, there is nothing of record to indicate that there is any novel cooperation between the coke making device and the retort or water gas generator. On the contrary, the record is entirely consistent with the views expressed by the Board of Appeals, that there is no new and patentable cooperation between those elements, and that the improved results claimed by appellants to be obtained from such combination are due to the improved coke making element contained therein, for which they received a patent. Accordingly, appellants' claimed combination does not involve invention.

We, therefore, conclude that claim 8 fails to define a patentably novel combination in view of the cited prior art.

Appellant further contends that the rejected claim does not merely define a combination of mirror and light source, but that the preamble of the claim limits the field of use of the mirrors to the special field of high intensity electric arcs between cored carbon electrodes. He cites and discusses the case of *Ex parte Jepson*, 1917 C. D. 62, 243 O. G. 525, in support of this contention. An examination of the decision in that case shows, as the brief of the solicitor states, that the question was whether a certain claim there presented was in proper form. There is no such question raised here. The real invention in this case is the rolled and wrought metal mirror. Appellant has invented nothing more. His claims of invention of the said mirror have been allowed and the real invention does not at all depend upon the preamble to the rejected claim.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,401,156, C. F. Jenkins, Lawn mower, D. C., S. D. N. Y., Doc. 2/57, *Moto-Mower Co.* v. *J. Creiger* (*Comet Products Co.*). Consent decree for plaintiff (notice Oct. 23, 1939).

1,404,369, 1,737,533, F. C. Chapman, Dehydrator; 1,422,416, same, Combustion and mixing chamber for dehydrators; 1,645,738, same, Drier, D. C., S. D. Calif., C. Div., Doc. 58–H, *Chapman Dehydrater Co.* v. *J. A. Knapp*. Dismissed without prejudice Oct. 23, 1939.

1,405,633, M. O. Smith, Fuel vaporizer for carbureters; 1,477,724, same, Vaporizer, D. C., E. D. Mo. (St. Louis), Doc. 138, *The Gasifier Mfg. Co.* v. *Ford Motor Co.* Dismissed (notice Oct. 26, 1939).

1,422,416. (See 1,404,369.) 1,477,724. (See 1,405,633.)

1,547,680, V. D. Porter, Duplex cooking attachment for stove, D. C., N. D. Ala. (Birmingham), Doc. 915, *V. D. Porter et al.* v. *Sears, Roebuck & Co.* Patent held not infringed, bill dismissed Oct. 24, 1939.

1,645,738. (See 1,404,369.)

1,677,950, N. K. Bowman, Bit; T. M. 333,322, The Bowdil Co., Replaceable cutting bits adapted to be utilized in combination with mining machine chain link; T. M. 338,952, same, Replaceable cutting tools adapted to be utilized in combination with mining machine chain link, filed Oct. 26, 1939, D. C., E. D. Mo. (St. Louis), Doc. 348, *The Bowdil Co.* v. *Central Mine Equipment*.

1,737,533. (See 1,404,369.)

1,782,108, J. C. Wahl, Desk stand and holder for fountain pens; 1,807,227, C. R. Sheaffer, Fountain pen desk set, filed Oct. 28, 1939, D. C., S. D. N. Y., Doc. 6/178, *Pen Desk Set Co.* v. *S. W. Freedman et al.*

1,790,323. (See 2,167,832.) 1,807,227. (See 1,782,108.)

1,808,592, R. G. Bruce, Wood block flooring; 1,843,024, W. Fetz, same; 1,925,068, M. Gray, Floor; 1,925,070, W. F. Livezey, Laying wood block flooring, filed Sept. 21, 1939, D. C., E. D. Va. (Arlington), Doc. —, *E. L. Bruce Co.* v. *McBride & Moeller, Inc.*

1,843,024. (See 1,808,592.)

1,875,260, G. D. Parker, Bundle binding and tying machine, D. C., N. D. Calif. (San Francisco), Doc. 4260–S, *Eby Mfg. Co. et al.* v. *G. D. Parker et al.* Counter-claim and cross-complaint dismissed with prejudice Sept. 13, 1939. (To correct error in 509 O. G., p. 538, formerly published as 1,875,260, W. H. Delahaye, Brake).

1,888,417, N. L. Aberson, Multiple slab unit; 1,933,237, same, Monolithic wall structure, D. C., E. D. Mich. (Detroit), Doc. 205, *N. L. Aberson* v. *H. Perlman et al.* Judgment for plaintiff Oct. 24, 1939.

1,921,437, L. K. Stupell, Ornament; 2,102,242, same, Ornament and frame therefor, D. C., S. D. N. Y., Doc. E 87/69, *L. K. Stupell* v. *Monocraft Products Co.* Consent order of discontinuance (notice Oct. 25, 1939).

1,925,068. (See 1,808,592.) 1,925,070. (See 1,808,592.)

1,930,987, J. T. Simmons, Method and apparatus for testing the productivity of formations encountered in wells, D. C., S. D. Calif., C. Div., Doc. E 199–H, *E. P. Halliburton et al.* v. *W. D. Shaffer* (*Shaffer Tool Works*). Dismissed with prejudice Oct. 26, 1939.

1,933,237. (See 1,888,417.)

1,947,493, Rose & Engle, Coating of machine elements, filed Oct. 27, 1939, D. C. Ariz. (Phoenix), Doc. 63, *Metals Processing Corp. et al.* v. *R. A. Emmett* (*Maricopa Machine Works*).

1,955,569, H. I. Warden, Licensing of motor vehicles, D. C., W. D. Mo. (Kansas City), Doc. 227, *H. I. Warden* v. *Kansas City, Mo.* Consent decree Oct. 28, 1939.

1,980,157, S. L. Wolfson, Electric cigar lighter; 2,060,783, P. E. Ashton, Cigar lighter; 2,093,116, S. L. Wolfson, Electric cigar lighter, filed Oct. 26, 1939, D. C. Conn. (New Haven), Doc. 181. *The Cuno Engineering Corp.* v. *Casco Products Corp.*

1,983,478, A. O. Moe, Method of and apparatus for cleaning fruit, D. C. Oreg. (Portland), Doc. E 9734, *Food Machinery Co.* v. *A. Guinard* (*Ideal Grader & Nursery Co.*). Judgment for plaintiff Oct. 23, 1939.

1,992,802, A. T. Bahr, Portable starting gate with fixed stall; 2,012,186, A. J. Fihe, Automatic starting gate, filed Oct. 25, 1939, D. C., S. D. Calif., C. Div., Doc. 623–RJ, *Bahr Starting Gate Corp.* v. *Puett Electric Gate Co.*

2,010,907, Winters & DeVoe, Refrigerator latch, filed Oct. 30, 1939, D. C., N. D. Ill., W. Div., Doc. 30, *Winters & Crampton Corp.* v. *National Lock Co.*

2,012,186. (See 1,992,802.) 2,059,743. (See 2,167,832.)

2,060,783. (See 1,980,157.) 2,093,116. (See 1,980,157.)

2,102,242. (See 1,921,437.)

2,124,412. (See Re. 21,144.)

2,167,832, Fulmer & Hollingsworth, Electric watt-hour meter; 2,059,743, P. Petri, Electrical meter system; 1,790,323, J. Sachs, System of manufacture for electric switches, filed Oct. 19, 1939, D. C., N. D. Ala. (Birmingham), Doc. 5049, *Westinghouse Electric & Mfg. Co.* v. *O. Denegre et al.*

Re. 21,144 (of 2,124,412), W. W. Dodge, Refrigerating lettuce, filed Oct. 24, 1939, D. C., N. D. Calif. (San Francisco), Doc. 21387–W, *Paterson Pacific Parchment Co.* v. *N. Kalich et al.* (*M. L. Kalich & Co.*).

Des. 91,192, V. C. Grote, Container; T. M. 358,724. Camille, Inc., Preparation for stopping runs in hosiery, C. C. A., 8th Cir., Doc. 11506, *F. W. Fitch Co.* v. *Camille, Inc.* Decree affirmed Oct. 16, 1939.

Des. 106,640, S. T. Shore, Dress, D. C., S. D. N. Y., Doc. E 86/168, *Kallman & Morris, Inc.*, v. *Bon Ray Dance Frocks, Inc.* Consent order of discontinuance (notice Oct. 28, 1939).

Des. 107,296, I. Bucholz, Dress, D. C., S. D. N. Y., Doc. E 86/249, *Mirkin, Friedman & Bucholz, Inc.*, v. *Stein-Speyer-Schwartz, Inc.* Consent order of discontinuance (notice Oct. 27, 1939).

Des. 107,487, S. Kronenfeld, Dress, D. C., S. D. N. Y., Doc. E 86/246, *Virginia Lee Frocks, Inc.*, v. *H. Klein et al.* (*Tru-Blue Dress Co.*). Consent decree granting injunction (notice Oct. 26, 1939).

Des. 107,495, O. Zaretzky, Dress, D. C., S. D. N. Y., Doc. E 86/263, *O. Zaretzky et al.* v. *A. Weinberg.* Consent order of discontinuance (notice Oct. 26, 1939).

Des. 108,171, G. Amster, Hat, D. C., S. D. N. Y., Doc. E 86/282, *G. Amster* v. *W. K. Marks, Inc.* Consent order of discontinuance Oct. 28, 1939.

Des. 108,833, M. Green, Gilet, D. C., S. D. N. Y., Doc. E 86/396, *M. Green* v. *Levy Baar & Beards Corp.* Consent order of discontinuance (notice Oct. 28, 1939).

Des. 114,263, A. Furtsch, Belt buckle, D. C., S. D. N. Y., Doc. 4/408, *A. Furtsch* v. *Elaine Novelty Co.* Decree for plaintiff (notice Oct. 25, 1939). Doc. 5/298, *A. Furtsch* v. *Gold Seal Button Works, Inc.* Consent decree for plaintiff (notice Oct. 25, 1939).

Des. 116,125, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 5/277, *Apex Dress Co., Inc.*, v. *Major Frocks, Inc.* Consent decree for plaintiff (notice Oct. 25, 1939).

T. M. 333,322. (See 1,677,950.)

T. M. 338,952. (See 1,677,950.)

T. M. 358,724. (See Des. 91,192.)

Trade-Mark Registrations Canceled

374,130. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

374,131. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

374,132. Newspaper column. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

374,133. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,134. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,135. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,136. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,137. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,138. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,139. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,140. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,141. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

347,142. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered June 15, 1937. Canceled December 26, 1939.

349,021. Newspaper column. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered August 17, 1937. Canceled December 26, 1939.

353,918. Series of cartoons. Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Registered January 25, 1938. Canceled December 26, 1939.

Disclaimers

1,484,068.—*Frank H. Hopkins*, Somerville, Mass. PRESSURE GAUGE. Patent dated February 19, 1924. Disclaimer filed December 20, 1939, by the assignee, *Manning, Maxwell & Moore, Incorporated.*

Hereby enters this disclaimer of claims 1, 2, and 5 of said patent.

1,830,172.—*Adolph L. Nelson*, Detroit, Mich. PISTON. Patent dated November 3, 1931. Disclaimer filed December 29, 1939, by the assignee, *Bohn Aluminum & Brass Corporation.*

Hereby enters this disclaimer to claims 2, 3, and 4 of said patent.

1,948,882.—*John C. McMurray*, Winthrop Center, Mass. TESTING DEVICE FOR INTERNAL COMBUSTION ENGINES. Patent dated February 27, 1934. Disclaimer filed December 23, 1939, by the patentee.

Hereby enters this disclaimer to claim 5 of said patent.

2,052,985.—*Adolph L. Nelson*, Detroit, Mich. PISTONS. Patent dated September 1, 1936. Disclaimer filed December 29, 1939, by the assignee, *Bohn Aluminum & Brass Corporation.*

Hereby enters this disclaimer to claims 9, 10, 11, 13, 14, 15, and 16 of said patent.

2,141,922.—*Harold W. Lord*, Schenectady, N. Y. ELECTRIC VALVE TRANSLATING CIRCUIT. Patent dated December 27, 1938. Disclaimer filed December 20, 1939, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 1 and 2 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 23, 1940

[VOL. 510. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 414,142. WALTER C. CHEDIC, doing business as Pacific Graphite Works, Oakland, Calif. Filed Dec. 23, 1938.

IMPERIAL

For Plumbago.
Claims use since Nov. 19, 1938.

Ser. No. 424,661. HOWARD C. LIEN, Los Angeles, Calif. Filed Oct. 18, 1939.

VAC-AID

For Sponges.
Claims use since Oct. 4, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 424,202. MILK PLANT SPECIALTIES CORPORATION, Rochester, N. Y. Filed Oct. 4, 1939.

ANTICAL

For Cleaning Preparations for General Use Having Dissolving and Detergent Properties, and Also Possessing Incidental Water Softening Properties.
Claims use since Sept. 25, 1939.

Ser. No. 426,011. R. R. STREET & CO., INC., Chicago, Ill. Filed Nov. 27, 1939.

SULFACO

For Soapless Wet Cleaner for Use in the Wet Cleaning Departments of Dry Cleaning Establishments.
Claims use since Nov. 14, 1939.

Ser. No. 426,116. ARMOUR AND COMPANY OF DELAWARE, Chicago, Ill. Filed Dec. 1, 1939.

QUAD

For Washing Compound.
Claims use since Nov. 16, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 397,096. CESAR GANEM, Rio de Janeiro, Brazil. Filed Sept. 3, 1937.

Loção Belem

For Lotion for the Hair.
Claims use since Mar. 16, 1937.

Ser. No. 398,653. LE ROY BRAZEE, doing business as Eze-Mee Products, Detroit, Mich. Filed Oct. 18, 1937.

EZE-MEE TRADE MARK

The term "Trade Mark" is disclaimed.
For Preparation for the Relief of Minor Pains, Muscular Aches and Pains, Simple Neuralgia Pains, and Accustomed Minor Pains.
Claims use since June 1, 1937.

Ser. No. 403,495. CLAIRE MANUFACTURING CO., Chicago, Ill. Filed Feb. 28, 1938.

Fly Jinx

For Fly Spray.
Claims use since Dec. 18, 1937.

Ser. No. 418,868. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Apr. 29, 1939.

PANARIAN

For Pharmaceutical Preparation for Ovarian Therapy.
Claims use since Feb. 20, 1939.

Ser. No. 422,452. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Aug. 9, 1939.

NATURAVITE

For Medicinal and Pharmaceutical Preparations for Internal Use, Including Among Them Products for the Replacement of a Metabolic Deficiency, and Also Including Minerals and Vitamins and Combinations Thereof for Internal Use, Including the Replacement of a Metabolic Deficiency.
Claims use since July 31, 1939.

Ser. No. 423,200. AYERST, MCKENNA & HARRISON, LIMITED, Montreal, Quebec, Canada. Filed Sept. 1, 1939.

KAVITAN

For Vitamin K Preparation for Use in the Treatment of Haemorrhagic Conditions.
Claims use since June 23, 1939.

Ser. No. 423,415. GEORGE R. DEBNAM, doing business as Kuacol Chemical Co., Norfolk, Va. Filed Sept. 8, 1939.



For Antiseptic.
Claims use since Oct. 1, 1931.

Ser. No. 423,715. MARY SCHMECHEL, Redwood Falls, Minn. Filed Sept. 18, 1939.

SMICKO

For Fabric Ink Remover.
Claims use since July 10, 1939.

Ser. No. 423,885. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio. Filed Sept. 23, 1939.

TROPIK

For Photographic Fixing Bath Chemicals.
Claims use since Aug. 1, 1939.

Ser. No. 423,912. HOSPITAL LIQUIDS, INC., Chicago, Ill. Filed Sept. 25, 1939.

OVA-ESTRIN

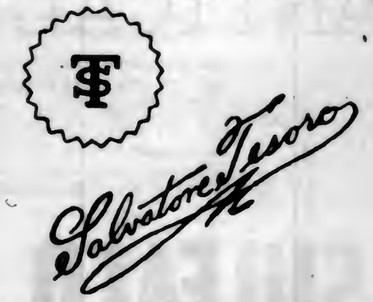
For Estrogenic Substance in Vegetable Oil for Intramuscular Injection for Treatment During the Menopause, for Treatment of Involutional Melancholia, Gonorrheal and Senile Vaginitis, Functional Dysmenorrhea and Hyperplasia of the Breasts.
Claims use since Oct. 8, 1937.

Ser. No. 423,957. PARFUMS CHEVALIER GARDE, INC., New York, N. Y. Filed Sept. 26, 1939.

ROI DE ROME

No claim is made to the word "Rome" apart from the mark.
For Perfume, Toilet Water, and Eau de Cologne.
Claims use since Nov. 15, 1937.

Ser. No. 423,990. SALVATORE F. TESORO, doing business as S. F. Tesoro & Co., Chicago, Ill. Filed Sept. 27, 1939.



The signature is in the handwriting of applicant.
For Medicinal Preparations, Specifically Bitters Designed to Stimulate the Appetite, Tonics Designed to Stimulate the Appetite and Increase Digestive Action, and Laxatives, and for Essential Oils.
Claims use since Feb. 1, 1937.

Ser. No. 424,430. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 11, 1939.

GALA

For Aluminum Sulphate (Commercial Alum) used in Paper Making, Water Purification, and Tanning.
Claims use since Mar. 1, 1933.

Ser. No. 424,896. RICHARD W. TAYLOR, doing business as R. W. Taylor & Company, Boston, Mass. Filed Oct. 25, 1939.

VELVATEX

For Compound for Imparting a Water Repellent and Wear Resisting Finish for Knitted and Woven Textiles, and Particularly Hosiery, Lingerie, and the Like.
Claims use since Oct. 14, 1939.

Ser. No. 425,161. NOVELART MANUFACTURING COMPANY, Long Island City, N. Y. Filed Nov. 2, 1939.

HIJEEN

For Underarm Powder.
Claims use since Oct. 13, 1939.

Ser. No. 425,204. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 3, 1939.

Jeanina

For Perfumes and Cosmetic Creams.
Claims use since Oct. 27, 1939.

Ser. No. 425,329. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 7, 1939.

EKC

For Organic Chemicals, Including Acetals, Acid Anhydrides, Alcohols, Except Potable Ethyl Alcohol, Aldehydes, Alkaloids, Amides, Amines, or Nitrogen Bases, Amino Acids, Azo Compounds, Carbohydrates, Carboxylic Acids, Carboxylic Acid Halides, Dyes, Esters, Ethers, Halogenated Hydrocarbons, Halohydrins, Heterocyclic Compounds, Hydrazines, Hydrocarbons, Ketenes, Ketones, Mercaptans, Metal Alkyls, Naphthols, Nitriles, Nitro and Nitroso Compounds, Orthoesters, Oximes, Phenols, Proteins, Purines, Quaternary Ammonium Compounds, Quinones, Sulfides, Sulfones, Sulfonic Acids, and Sulfonic Acid Halides.
Claims use since Oct. 1, 1929.

Ser. No. 425,385. GEORGE MARTIN BROEMMEL, doing business as Broemmel's Pharmaceuticals, San Francisco, Calif. Filed Nov. 8, 1939.

RINOFEDS

For Preparation in Capsule Form, for the Treatment of Head Colds and Certain Allergic Conditions Arising From Various Pollens.
Claims use since Jan. 1, 1932.

Ser. No. 425,420. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Nov. 8, 1939.

SANTOPOID

For Chemical Adjuvants for Petroleum Oils Adapted to Improve the Lubricating Characteristics of Such Petroleum Oils.
Claims use since Oct. 19, 1939.

Ser. No. 425,424. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Nov. 8, 1939.

Velva

For Laundry Starches.
Claims use since Oct. 26, 1939.

Ser. No. 425,441. VI-JON LABORATORIES, INC., St. Louis, Mo. Filed Nov. 8, 1939.



The word "Shanghai" is disclaimed apart from the mark.
For Perfumes and Face and Hand Lotions.
Claims use since May, 1937.

Ser. No. 425,617. JOHN M. MANCUSO, Oneida, N. Y. Filed Nov. 14, 1939.

J. M. Mancuso

The mark is the facsimile signature of the applicant.
For Ointment for Use in the Treatment of Poison Ivy, Burns, Cuts, Itch, Athlete's Foot, Cold Sores, Eczema, Itching Piles, Sunburn, and Skin Irritations.
Claims use since Oct. 23, 1939.

Ser. No. 425,760. STEWART-JORGENSEN COMPANY, Sturgis, S. Dak. Filed Nov. 17, 1939.

R
RochGo

For Preparation for Use in the Extermination of Roaches.
Claims use since Sept. 10, 1939.

Ser. No. 426,084. FRANCES DENNEY, Philadelphia, Pa. Filed Nov. 30, 1939.

Got a Date?

For Rouge and Bath Salts.
Claims use since Nov. 27, 1939.

Ser. No. 426,171. SHULTON, INC., New York, N. Y., and Hoboken N. J. Filed Dec. 2, 1939.

Early American Friendship's Garden

Applicant disclaims the word "American" apart from the mark.
For Perfumes, Colognes, Toilet Waters, Talcum Powders, Dusting Powders, Guest Talcums, Sachets in Powder and Tablet Form, Body Sachets, Bath Salts in Powder and Crystal Form, and After-Shaving Lotions.
Claims use since Sept. 29, 1939.

Ser. No. 426,172. SHULTON, INC., New York, N. Y., and Hoboken, N. J. Filed Dec. 2, 1939.

Early American Heartbeat

Applicant disclaims the word "American" apart from the mark.
For Perfumes, Colognes, Toilet Waters, Talcum Powders, Dusting Powders, Guest Talcums, Sachets in Powder and Tablet Form, Body Sachets, Bath Salts in Powder and Crystal Form, and After-Shaving Lotions.
Claims use since Sept. 29, 1939.

Ser. No. 426,173. SHULTON, INC., New York, N. Y., and Hoboken, N. J. Filed Dec. 2, 1939.

Early American Roundelay

Applicant disclaims the word "American" apart from the mark.
For Perfumes, Colognes, Toilet Waters, Talcum Powders, Dusting Powders, Guest Talcums, Sachets in Powder and Tablet Form, Body Sachets, Bath Salts in Powder and Crystal Form, and After-Shaving Lotions.
Claims use since Sept. 29, 1939.

Ser. No. 426,607. COTY, INC., New York, N. Y. Filed Dec. 15, 1939.

DECOY

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, and Rouges.
Claims use since Dec. 5, 1939.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 423,459. CROCHET NOVELTY MILLS, INC., New York, N. Y. Filed Sept. 9, 1939.

A CRO-NO PRODUCT
TURN-O-TOP
N.Y.
MADE IN U.S.A.

The initials and words "Product", "Turn", "Top", "N. Y.", and "Made in U. S. A." are disclaimed apart from the mark.
For Cigarette Dispensers for Personal Use.
Claims use since June 27, 1939.

CLASS 12

Construction Materials

Ser. No. 424,991. BESTILE MANUFACTURING COMPANY, Ontario, Calif. Filed Oct. 28, 1939.

TILENE

For Interior and Exterior Composition Fiber Wall Covering, Manufactured in Sheet Form, Enameled in Tile and Other Designs and Patterns.
Claims use since Oct. 9, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 425,264. AMERICAN DISINFECTING COMPANY, INC., Sedalia, Mo. Filed Nov. 6, 1939.

Van Brite
DOUBLE DRIES and then
WON'T WATER-SPOT

The words "Double Dries and Then Won't Water-Spot" are disclaimed apart from the mark.
For Liquid Floor Wax.
Claims use since Aug. 10, 1939.

Ser. No. 425,354. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., doing business as Mobile Varnish Works, Mobile, Ala. Filed Nov. 7, 1939.

FLO-DECK

The word "Deck" is not claimed apart from the mark.
For Paint Enamels.
Claims use since May 22, 1933.

Ser. No. 425,355. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., Wilmington, Del., doing business as Mobile Varnish Works, Mobile, Ala. Filed Nov. 7, 1939.

GULF COAST

DU-RITE ENAMEL

The word "Enamel" is not claimed apart from the mark.
For Quick Drying Paint Enamels.
Claims use since May 20, 1933.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 420,363. ELECTROMATIC PROPELLER CORPORATION, Los Angeles, Calif. Filed June 10, 1939.



The word "Propellers" and the representation of a propeller are disclaimed apart from the mark.
For Aircraft Propellers Including Variable Pitch Propellers.
Claims use since July, 1935.

Ser. No. 425,638. CARDOX CORPORATION, Chicago, Ill. Filed Nov. 15, 1939.

CARDOX

For Motor Driven or Tractor Drawn Tank Trucks Adapted to Store, Transport, and Discharge Liquefiable Gases, Such as Carbon Dioxide.
Claims use since Jan. 27, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 423,298. HOWARD B. GRAHAM, doing business as The Sunburst Company, Omaha, Nebr. Filed Sept. 5, 1939.

SUNBURST

For Electric Fixture or Lighting Device Used for Inspecting Transparent Containers.
Claims use since Feb. 4, 1937.

Ser. No. 425,221. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn. Filed Nov. 4, 1939.

A-H&H

For Electric Circuit Makers and Breakers, Switches, Outlets, Receptacles, Plugs, and Connectors, and Parts and Combinations Thereof.
Claims use since April, 1933.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 425,857. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo.; doing business as Famous-Barr Company, St. Louis, Mo. Filed Nov. 21, 1939.

Greyhound

For Ice Skates and Ice Skates Attached to Shoes.
Claims use since Oct. 31, 1939.

Ser. No. 426,012. TREND GAME COMPANY, Highland Park, Ill. Filed Nov. 27, 1939.

Diplomacy

For Board Game Played with Movable Pieces.
Claims use since Oct. 1, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 423,049. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Aug. 28, 1939.

Tuf-Hide

For Hand Tools Including Sidewalk Cleaners, Cultivators, Edgers, Forks, Hoes, Mattocks, Clam Hooks, Corn Hooks, Grass Hooks, Bush Hooks, Manure Hooks, Potato Hooks, Stone Hooks, and Cant Hooks, Scrapers, Spades, Trowels, Weeders, Shovels, and Rakes.
Claims use since July 15, 1939.

Ser. No. 424,418. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Oct. 10, 1939.

WHIPCORD

For Wooden Handles for Axes, Hatchets, and Similar Implements.
Claims use since Oct. 10, 1939.

Ser. No. 426,102. MARKWELL MFG. CO., INC., New York, N. Y. Filed Nov. 30, 1939.

POINTMASTER

For Point Driving Machines Used for Driving Glaziers Points Into Wooden Sash and Wooden Frames, Etc.
Claims use since Nov. 3, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 418,921. THOMAS S. CURTIS LABORATORIES, Huntington Park, Calif. Filed May 1, 1939.

CURTIS COLOR-SCOUT

The surname "Curtis" is disclaimed and the word "Color" is disclaimed apart from the mark.
For Cameras.
Claims use since Apr. 12, 1939.

Ser. No. 423,087. DEFENDER PHOTO SUPPLY CO., INC., Rochester, N. Y. Filed Aug. 29, 1939.

PEX

For Sensitized Photographic Paper.
Claims use since February, 1932.

Ser. No. 426,080. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Nov. 30, 1939.

Rōla

For Sensitized Photographic Papers Particularly Film.
Claims use since Oct. 24, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 425,461. DIEGES & CLUST, New York, N. Y. Filed Nov. 9, 1939.

PLI-O-BAND

The word "Band" is disclaimed apart from the mark.
For Finger Rings.
Claims use since Oct. 28, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 425,736. OTTO E. GIESE, doing business as August Giese & Son, New York, N. Y. Filed Nov. 17, 1939.

EDELWEISS

For Filtering Materials—Namely, Filtermasse, Pulp.
Claims use since Dec. 1, 1910.

CLASS 32

Furniture and Upholstery

Ser. No. 425,263. ADLER MANUFACTURING CO. INCORPORATED, Louisville, Ky. Filed Nov. 6, 1939.

Adler Royal

For Tables Including Card, Davenport, Coffee, and Fold-Away Tables.
Claims use since Sept. 1, 1938.

Ser. No. 425,975. BAKER FURNITURE, INC., Grand Rapids, Mich. Filed Nov. 27, 1939.

Aged in the Wood

For Wooden and Upholstered Household and Office Furniture Having an Oil Finish Produced by Successive Applications of an Oil Finishing Process Over an Extended Period of Time—Namely, Sofas, Stools, Love Seats, Wing Chairs, Barrel Chairs, Lounge Chairs, Chaises, Slipper Chairs, Settees, Settles, Marquises, Footstools, Tilt-top Tables, Hanging Shelves, Capstan Tables, Dumbwaiters, Coffee Tables, Stands, Urn Tables, Whatnots, Sofa Tables, Card Tables, Folding Card Tables, Magazine Racks, Globes, Desks, Secretaries, Bookcases, Nest Tables, Letter Racks, Cocktail Tables, Screens, Sconces, Picture Frames, Pier Tables, Fern Stands, Butler Trays, Lamp Tables, Powder Tables, Tray Top Tilt Tables, Pie Crust Tilt Tables, Drum Tables, Well Stands, Hanging Cabinets, Commode Tables, Octagon Tables, End Tables, Revolving Book Stands, Book Troughs, Sewing Tables, Corner Stands, Cellarettes, Kidney Bars, Dressing Chests, Mirrors, Dressing Tables, Portable Mirrors, Chests, Beds, Benches, Night Tables, Dresser Bases, Pedestal Cabinets, Trumeaus, Chiffoniers, Highboys, Lowboys, Sideboards, Cabinets, Servers, Dining Room Tables, Chairs, Arm Chairs, Buffets, Serving Tables, Commodes, Welsh Dressers, Pier Cabinets, Console Buffets, China Presses, Wall Mirrors, Consoles, Corner Cabinets.
Claims use since Sept. 6, 1939.

Ser. No. 426,110. UNITED STATES CABINET BED CO., Brooklyn, N. Y. Filed Nov. 30, 1939.

HI-FLEX

For Mattresses.
Claims use since Oct. 16, 1939.

Ser. No. 426,176. JOHN WIDDICOMB CO. INC., NEW YORK, New York, N. Y. Filed Dec. 2, 1939.

DI-FUNCTIONAL

For Dining Room, Bed Room, and Living Room Furniture.
Claims use since Apr. 1, 1939.

CLASS 33

Glassware

Ser. No. 426,027. L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa. Filed Nov. 28, 1939.

NOX-RAY

For Sheets of Glass from Which Are Cut Disks for Goggles.
Claims use since Feb. 13, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 423,391. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Sept. 7, 1939.



For Oil Burner Apparatus—Namely, Liquid Fuel Strainers, and Combined Fuel Units, Including Strainers, Pumps, and Valves.
Claims use since July 1, 1932.

Ser. No. 423,392. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Sept. 7, 1939.



For Oil Burner Apparatus—Namely, Liquid Fuel Strainers, and Combined Fuel Units, Including Strainers, Pumps, and Valves.
Claims use since July 1, 1932.

Ser. No. 425,674. WEIL-McLAIN COMPANY, Erie, Pa. Filed Nov. 15, 1939.

SOLRAY

For Heating Radiators.
Claims use since Oct. 5, 1939.

CLASS 37

Paper and Stationery

Ser. No. 423,654. HYMAN D. BOWMAN, doing business as Share-It Sales Service, Pittsburgh, Pa. Filed Sept. 16, 1939.

SHARE-IT

For Printed Stationery—Namely, Agreement Forms, Blank Forms, Blank Cards, Printed Cards, Calendars, Contract Forms, Envelopes, Letter Heads, Receipt Forms, Statement Forms, and Stickers.
Claims use since Aug. 11, 1939.

CLASS 38

Prints and Publications

Ser. No. 412,146. LIQUOR REVIEW PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 28, 1938.

NATIONAL LIQUOR REVIEW

For Periodical Publications.
Claims use since September, 1938.

Ser. No. 421,308. JIMMY JEMAIL, New York, N. Y. Filed July 6, 1939.

THE INQUIRING REPORTER

For Advertising Columns and Sections of Newspapers Sold as Such.
Claims use since 1923.

Ser. No. 423,945. GLEN-KEL PUBLISHING CO. INC., New York, N. Y. Filed Sept. 26, 1939.

JUNGLE STORIES

For Monthly Magazine.
Claims use since November, 1938.

Ser. No. 425,925. NEA SERVICE, INC., Cleveland, Ohio. Filed Nov. 24, 1939.



Trade-mark consists of the portrait of Brenda Breeze, a fanciful or fictitious character appearing from day to day in applicant's comic strip.

For Comic Drawings Published in a Series in Daily and Sunday Newspapers.

Claims use since Oct. 22, 1939.

Ser. No. 425,937. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Nov. 24, 1939.

The Washington Week

No claim is made to "Washington" aside from the mark illustrated.

For Sections of Periodical Publications.

Claims use since Nov. 20, 1939.

Ser. No. 425,957. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Nov. 25, 1939.

SLAM-BANG COMICS

For Monthly Humorous Periodical.

Claims use since Nov. 14, 1939.

CLASS 39

Clothing

Ser. No. 410,038. LIBERMAN SHOE MANUFACTURING CO., INC., Brooklyn, N. Y. Filed Aug. 27, 1938.

"FAIR TRAMPERS"

The word "Trampers" is disclaimed apart from the mark.

For Shoes Made of Leather, Fabric, and Rubber, and Combinations Thereof.

Claims use since July, 1938.

Ser. No. 423,901. BEACON HILL UNDERGARMENT COMPANY, Boston, Mass. Filed Sept. 20, 1939.

"Miss Society"

For Women's Undergarments and Clothing—Namely, Women's Slips, Panties, Bloomers, Step-Ins, Chemises, House Coats, Robes, and Pajamas.

Claims use since Aug. 29, 1939.

Ser. No. 423,981. NEWTON MANUFACTURING COMPANY, Freeburg, Ill., and St. Louis, Mo. Filed Sept. 27, 1939.

SLENDERELLA

For Wearing Apparel—Namely, Ladies' Slips.

Claims use since Feb. 14, 1939.

Ser. 424,612. WILLIAM WOLF, New York, N. Y. Filed Oct. 16, 1939.

Hatter Bill

Applicant disclaims the word "Hatter" except as shown.

For Men's and Boys' Hats.

Claims use since May 3, 1938.

Ser. No. 424,639. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1939.

Roamabout

For Suits and Shoes Made of Leather, Fabric, and Combinations Thereof for Women and Misses, and Coats, Suits, and Outer and Under Shirts for Men.

Claims use since Apr. 8, 1936.

Ser. No. 425,091. DAVID MAYERS, doing business as L. Mayers & Son, Baltimore, Md. Filed Oct. 31, 1939.

Greenwood

For Neckties and Sportwear—Namely, Trousers and Shirts for Men and Boys.

Claims use since Oct. 6, 1939.

Ser. No. 425,242. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed Nov. 4, 1939.

ALLIGATOR-GRIP

No claim is made to the word "Grip" apart from the mark.

For Suspenders.

Claims use since Oct. 10, 1939.

Ser. No. 425,319. LEO J. GOLDBERGER, New York, N. Y. Filed Nov. 4, 1939.

Kate Greenaway PRIMERETTE

The name Kate Greenaway is the name of a famous English artist, author, and illustrator, now deceased.

For Children's Dresses, Blouses, and Jumpers.

Claims use since Nov. 15, 1936.

Ser. No. 425,320. LEO J. GOLDBERGER, New York, N. Y. Filed Nov. 4, 1939.

Kate Greenaway GRAMMARETTE

The name Kate Greenaway is the name of a famous English artist, author, and illustrator, now deceased.

For Children's Dresses, Blouses, and Jumpers.

Claims use since Nov. 15, 1936.

Ser. No. 425,363. NOVELTY SLIPPER CO., INC., New York, N. Y. Filed Nov. 7, 1939.

"Novelite"

For Women's, Misses', and Children's Slippers, Made of Leather, Canvas, Fabric, or Combinations Thereof.

Claims use since Sept. 28, 1939.

Ser. No. 425,792. MAX KOCH & SON, INC., New York, N. Y. Filed Nov. 18, 1939.

koeskomuff

For Fur Stoles, Hoods, Coats, Muffs, and Combinations Thereof.

Claims use since Aug. 28, 1939.

Ser. No. 425,844. SIMON MILLINERY COMPANY, San Francisco, Calif. Filed Nov. 20, 1939.

RIPPLE ROUNDER

For Ladies' Hats.

Claims use since Nov. 10, 1939.

Ser. No. 425,884. GALLENKAMP STORES CO., San Francisco, Calif. Filed Nov. 22, 1939.

XTRA-KIX

For Shoes Made Wholly or Partly of Leather.

Claims use since Apr. 1, 1939.

Ser. No. 425,940. WEBER AND HEILBRONER, INC., New York, N. Y. Filed Nov. 24, 1939.

Short-Stops

For Wearing Apparel of Wool, Cotton, Silk, Rayon, or Combinations Thereof for Men and Boys—Namely, Underwear, Knitted Jackets, Sportcoats, Vests, Sweaters, Pullovers, Stockings, Socks, Half Hose, Sport Hose, Golf Hose and Anklets, Swim Suits, Bathing Shirts, Shorts, and Trunks; Women's Socks and Hosiery.

Claims use since Oct. 28, 1939.

Ser. No. 425,950. BONWIT TELLER, INC., New York, N. Y. Filed Nov. 25, 1939.

"WATERMELON"

For Women's and Misses' Blouses, Sweaters, Dresses, Coats, Suits, Outer Skirts, Hats, Scarfs, Belts for Outer Wear, Handkerchiefs, Shoes Made of Leather, Fabric, and Combinations Thereof, Hosiery, Gloves Made of Leather and Fabric, and Underwear, i. e., Slips, Petticoats, Brassières, Girdles, Corsets, Bloomers, and Panties.

Claims use since Nov. 18, 1939.

Ser. No. 425,989. DEBWAY HATS, INC., New York, N. Y. Filed Nov. 27, 1939.

head-twister

For Ladies' Hats.

Claims use since Nov. 1, 1939.

Ser. No. 426,028. HUNDTER SPORTSWEAR CO., New York, N. Y. Filed Nov. 28, 1939.

HUG-ME BAND

No claim is made to the word "Band" apart from the mark.

For Women's and Misses' Sportswear Consisting of Skirts, Sweaters, and Slacks.

Claims use since Aug. 15, 1939.

Ser. No. 426,063. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Nov. 29, 1939.

'SKI-MO

For Men's Pajamas.
Claims use since July, 1939.

Ser. No. 426,144. STYLETTE CORSET CO., Chicago, Ill. Filed Dec. 1, 1939.

Staylite

For Foundation Garments, Corsets, and Brassières.
Claims use since Oct. 10, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 423,998. COLORBRITE TEXTILES, INC., New York, N. Y. Filed Sept. 28, 1939.

AMITEX

For Ticking.
Claims use since July 31, 1935.

Ser. No. 424,029. COLORBRITE TEXTILES, INC., New York, N. Y. Filed Sept. 29, 1939.

AMICO

For Ticking.
Claims use since July 31, 1935.

Ser. No. 424,665. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 18, 1939.



For Textile Fabrics in the Piece—Namely, Silk Fabrics, Rayon Fabrics, Fabrics Consisting of a Mixture of Rayon and Silk, and Cotton, Woolen, or Linen Fabrics.
Claims use since Aug. 1, 1939.

Ser. No. 425,342. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Nov. 7, 1939.



For Textile Fabrics in the Piece—Namely, Silk Fabrics, Rayon Fabrics, Fabrics Consisting of a Mixture of Rayon and Silk, and Cotton, Woolen, or Linen Fabrics.
Claims use since Oct. 18, 1939.

Ser. No. 426,261. THE LAMPORT MFG. SUPPLY CO., INC., New York, N. Y. Filed Dec. 5, 1939.



The drawing is lined for purple. No claim is made to the word "Percale" apart from the mark.
For Percale Sheets and Pillow Cases.
Claims use since November, 1938.

Ser. No. 426,283. BARTH-GUTTMAN TEXTILE CORP'N., New York, N. Y. Filed Dec. 6, 1939.

ROYAL ART



For Piece Goods of Linen, Cotton, Rayon, and Combinations Thereof, Table Cloths, Napkins, and Towels, Pillow Cases, and Bed Sheets.
Claims use since June, 1935.

Ser. No. 426,290. GENERAL RIBBON MILLS, INC., New York, N. Y., and Dover, Del. Filed Dec. 6, 1939.

PERMOEDGE

For Textile Ribbons Sold in Hanks, Bolts, and Bulk Rolls.
Claims use since June, 1939.

Ser. No. 426,327. CRAMERTON MILLS INC., Cramerton, N. C. Filed Dec. 7, 1939.

FIELDCLUB

For Cotton, Rayon, and Silk Piece Goods.
Claims use since July 5, 1939.

Ser. No. 426,333. GLASS & CO. DRESS CORP., New York, N. Y. Filed Dec. 7, 1939.

LINELLA

For Lace in Piece Goods.
Claims use since August, 1939.

Ser. No. 426,334. GLASS & CO. DRESS CORP., New York, N. Y. Filed Dec. 7, 1939.

LINARA

For Lace in Piece Goods.
Claims use since August, 1939.

Ser. No. 426,380. SOUTHBRIDGE FINISHING COMPANY, Southbridge, Mass. Filed Dec. 8, 1939.

SQUARE EIGHTY'S

For Piece Goods Made of Cotton, Wool, Rayon, and Mixtures of Same and Prints Thereof.
Claims use since Jan. 1, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 412,499. DAY-EZE PRODUCTS COMPANY, Lexington, Ky. Filed Nov. 8, 1938.

DAY-EZE

For Bunion Correctors.
Claims use since December, 1937.

Ser. No. 426,573. OAKLAND FOOD PRODUCTS CO., also doing business as Shinano Co., Oakland, Calif. Filed Dec. 14, 1939.

自力

The symbols are prenounced "JI RIKI" in the Japanese language, a translation of which is "Power of Self."
For Abdominal Exercising Belts.
Claims use since Oct. 15, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 422,490. SOCIETÀ ANONIMA FIUGGI ANTICOLANA, Rome, Italy. Filed Aug. 10, 1939.

SOCIETA' ANONIMA FIUGGI (ANTICOLANA)
SEDE SOCIALE ROMA-PIAZZA DELLA PILOTTA, 5



No claim is made to any wording except "Nuova Fonte."
For Mineral Water Both in the Natural State and with Carbonic Acid Gas Added Thereto.
Claims use since Sept. 9, 1932.

Ser. No. 425,590. STAR BOTTLING WORKS, INC., Philadelphia, Pa. Filed Nov. 13, 1939.

SWEETIE

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since January, 1919.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 409,657. LOUIS FREDERICK SINCLAIR, New York, N. Y. Filed Aug. 16, 1938.

Lady Cynthia

For Sugar in Tablet Form Flavored with Bitters and Used for Food Purposes.
Claims use since Feb. 15, 1937.

Ser. No. 420,004. HELLER-RUNNELS LABORATORIES, INC., Seattle, Wash. Filed May 31, 1939.

Derbetain

For Concentrated Vegetable Tablets.
Claims use since July 19, 1934.

Ser. No. 422,407. HANOVER STAR MILLING CO., doing business as Schurmann Milling Co., Germantown, Ill. Filed Aug. 8, 1939.



SWEET LILY

No claim is made to the picture of the lily.
For Wheat Flour.
Claims use since Mar. 23, 1923.

Ser. No. 425,078. JOHN ZULAKIS, doing business as Smokey Joe Company, Nisswa, Minn. Filed Oct. 30, 1939.

SMOKEY JOE'S

For Barbecue Sauce and French Dressing.
Claims use since May 1, 1933.

Ser. No. 425,787. KELCO COMPANY, San Diego, Calif. Filed Nov. 18, 1939.

MAREX

For Colloidal Stabilizer Derived from Marine Algae for Use in Chocolate Milk and Other Food Products.
Claims use since May 24, 1937.

Ser. No. 425,842. ORANGE BELT FRUIT DISTRIBUTORS, INC., Pomona, Calif. Filed Nov. 20, 1939.

HIGHBROW

For Fresh Citrus Fruit.
Claims use since Oct. 21, 1939.

Ser. No. 426,339. LOBLAW GROCETERIAS, INC., Buffalo, N. Y. Filed Dec. 7, 1939.

El Sávitar

For Coffee.
Claims use since Dec. 4, 1939.

CLASS 47

Wines

Ser. No. 424,318. WADHAMS & COMPANY, Portland, Oreg. Filed Oct. 7, 1939.

Pacific Host

Applicant disclaims the word "Brand" apart from the mark.
For Wines.
Claims use since Sept. 15, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 413,397. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Dec. 2, 1938.

V.S.O.P.

No claim is made to the letters "V. S. O. P." apart from the mark.
For Whiskey, Gin, Rum, and Alcoholic Cordials.
Claims use since Mar. 18, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 422,757. ROBINSON GALLERIES, INC., New York, N. Y. Filed Aug. 18, 1939.

Limited Edition

For Objects of Art for Ornamental Purposes—Namely, Statues, Statuettes, Plaques, Figures in the Round and Figures Detached from the Background and in Relief, Carved or Cast from Stone, Plaster, Plastics, Wood, Cement, Clay, and Artificial Compositions.
Claims use since May 4, 1939.

Ser. No. 425,147. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y. Filed Nov. 2, 1939.

KOGENE

For Synthetic Composition Having Rubber-Like Characteristics Made From a Copolymer of Butadiene and Acrylic Nitrile.
Claims use since Aug. 22, 1939.

Ser. No. 425,437. TURBO MACHINE COMPANY, Lansdale, Pa. Filed Nov. 8, 1939.

WOOLWYRE

For Wire Dryers and Shapers for Anklets, Hosiery, and Gloves.
Claims use since Sept. 15, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 23, 1940

374,647. UPHOLSTERY, PILLOW AND MATTRESS SPRINGS, AND SPRING UNITS. CHICAGO UPHOLSTERERS SUPPLY CO., Chicago, Ill.
Filed September 8, 1939. Serial No. 423,411. PUBLISHED NOVEMBER 14, 1939. Class 32.

374,648. CIGARETTE PAPER. HIJO DE C. GISBERT TEROL, Alcoy, Spain.
Filed July 10, 1936. Serial No. 380,891. PUBLISHED NOVEMBER 14, 1939. Class 8.

374,649. LOOM SUPPLIES, VIZ.—PICKER STICKS, LUG STRAPS, BINDERS, SKEWERS, SWEEP-STICKS, DOBBY SHEAVES, ETC. THE BACON WOOD PRODUCTS COMPANY, INC., Johnson City, Tenn., now by change of name to The E. H. Jacobs Manufacturing Corporation.
Filed October 20, 1936. Serial No. 384,577. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,650. BICYCLES. ARNOLD, SCHWINN & COMPANY, Chicago, Ill.
Filed August 6, 1937. Serial No. 396,063. PUBLISHED NOVEMBER 14, 1939. Class 19.

374,651. PRINTED COTTON TEXTILE FABRICS IN THE PIECE. COHN-HALL-MARX CO., New York, N. Y.
Filed August 24, 1937. Serial No. 396,709. PUBLISHED NOVEMBER 7, 1939. Class 42.

374,652. STORAGE BATTERY TESTING APPARATUS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed October 15, 1937. Serial No. 398,513. PUBLISHED APRIL 4, 1939. Class 26.

374,653. CEMENT COMPOSED OF FOSSIL GUM COMPOUND. ATLAS SUPPLY COMPANY, Newark, N. J
Filed March 22, 1938. Serial No. 404,345. PUBLISHED FEBRUARY 28, 1939. Class 5.

374,654. FACIAL PACK IN PASTE-LIKE FORM. ELEANOR M. MCMILLAN, doing business as McMillan Quality Products Co., Detroit, Mich.
Filed March 23, 1938. Serial No. 404,414. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,655. MICROSCOPES, PHOTOGRAPHIC CAMERAS AND ACCESSORIES, CAMERA LUCIDA, MAGNIFIERS, MICROTOMES, AND THEIR PARTS AND ACCESSORIES. SPENCER LENS COMPANY, Buffalo, N. Y.
Filed April 6, 1938. Serial No. 404,959. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,656. TEXTILE FABRICS—NAMELY, COTTON PADDING. CALLAWAY MILLS, La Grange, Ga.
Filed May 19, 1938. Serial No. 406,498. PUBLISHED NOVEMBER 14, 1939. Class 42.

374,657. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES AND JEWELERS' FINDINGS—NAMELY, CLASPS AND ATTACH RINGS, BONE SCREWS, EAR WIRES, ETC. W. R. COBB COMPANY, Providence, R. I.
Filed June 9, 1938. Serial No. 407,261. PUBLISHED NOVEMBER 14, 1939. Class 28.

374,658. WRAPPING PAPER FOR MEAT. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,715. PUBLISHED NOVEMBER 14, 1939. Class 37.

374,659. PAPER BLANKS FOR MAKING BAGS. EPPENS, SMITH COMPANY, INC., New York, N. Y.
Filed July 13, 1938. Serial No. 408,458. PUBLISHED NOVEMBER 14, 1939. Class 37.

374,660. OLEOMARGARINE. THE PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio.
Filed August 17, 1938. Serial No. 409,695. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,661. DAIRY PRODUCTS—NAMELY, MILK, CREAM, BUTTERMILK, CHEESE, BUTTER, ICE CREAM, POWDERED MILK, AND EVAPORATED MILK. PEVELY DAIRY COMPANY, St. Louis, Mo.
Filed September 6, 1938. Serial No. 410,306. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,662. STOCK SADDLES. WHITE AND DAVIS, Pueblo, Colo.
Filed September 13, 1938. Serial No. 410,528. PUBLISHED OCTOBER 31, 1939. Class 3.

374,663. BILLFOLDS. KENSINGTON, INCORPORATED, New Kensington, Pa.
Filed September 14, 1938. Serial No. 410,546. PUBLISHED OCTOBER 31, 1939. Class 3.

374,664. CANNED VEGETABLES. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed September 21, 1938. Serial No. 410,841. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,665. MUSICAL INSTRUMENT STRINGS. MILTON G. Wolf., Chicago, Ill.
Filed October 17, 1938. Serial No. 411,729. PUBLISHED NOVEMBER 14, 1939. Class 36.

374,666. PERIODICAL. FARRELL PUBLISHING CORPORATION, New York, N. Y.
Filed November 2, 1938. Serial No. 412,293. PUBLISHED APRIL 25, 1939. Class 38.

374,667. FRESH CITRUS FRUITS AND FRESH VEGETABLES. WILLIAM ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex.
Filed December 22, 1938. Serial No. 414,133. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,668. GASKET PASTE USED AS A LUBRICANT. SEALCO BY-PRODUCTS COMPANY, INC., Bluefield, W. Va.
Filed Jan. 17, 1939. Serial No. 414,925. PUBLISHED APRIL 11, 1939. Class 15.

374,669. PAPER RECEPTACLES OR CARTONS WHICH ARE SOLD EMPTY IN THE TRADE. ASH-BRADFORD, INC., South Bend, Ind.
Filed January 23, 1939. Serial No. 415,101. PUBLISHED MAY 2, 1939. Class 2.

374,670. CARBON PAPER. STENNO RIBBON & CARBON MFG. CO., Portland, Oreg.
Filed February 3, 1939. Serial No. 415,571. PUBLISHED NOVEMBER 14, 1939. Class 11.

374,671. PAPER DRINKING CUPS. BOSTON ENVELOPE COMPANY, doing business as Boston Drinking Cup Company, Dedham, Mass.
Filed February 9, 1939. Serial No. 415,828. PUBLISHED NOVEMBER 14, 1939. Class 2.

374,672. SCIENTIFIC, LABORATORY, AND GRADUATED CHEMICAL GLASSWARE. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed March 9, 1939. Serial No. 416,856. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,673. MALTLESS, NONALCOHOLIC BEVERAGES AND BEVERAGE BASES CONTAINING FRUIT AND VEGETABLE JUICES. CENTRAL CALIFORNIA PRODUCERS, Oakland, Calif.
Filed March 11, 1939. Serial No. 416,947. PUBLISHED NOVEMBER 14, 1939. Class 45.

374,674. FILTER RODS AND STRAINERS THEREFOR FOR COFFEE MAKERS. THE HARTFORD PRODUCTS CORPORATION, Hartford, Conn.
Filed March 14, 1939. Serial No. 417,057. PUBLISHED NOVEMBER 14, 1939. Class 13.

374,675. BRICKS. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed March 15, 1939. Serial No. 417,088. PUBLISHED MAY 23, 1939. Class 12.

374,676. CANNED VEGETABLES. TEXAS CANNING COMPANY, Brownsville and Falfurrias, Tex.
Filed March 18, 1939. Serial No. 417,239. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,677. SKIS AND OTHER SPORTING GOODS SOLD AS SKI EQUIPMENT. SIDNEY GERBER, doing business as Gerber Bros., Seattle, Wash.
Filed April 1, 1939. Serial No. 417,757. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,678. HAIR DRESSING POMADE, HAIR OIL, BRILLIANTINE, AND HAIR OINTMENT. MORTON G. NEUMANN, Chicago, Ill.
Filed April 12, 1939. Serial No. 418,165. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,679. MECHANICAL DISPLAY SIGNS OF THE TYPE REVEALING CHANGING LEGENDS OR PICTURES THROUGH SYNCHRONIZED ROTATION OF DISPLAY BEARING ELEMENTS IN A PLANE WITH THE SIGN FRONT. PERKINS MACHINE AND GEAR COMPANY, West Springfield, Mass.
Filed April 18, 1939. Serial No. 418,418. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,680. ROTOGRAVURE INKS, VARNISHES FOR USE IN INKS, AND DRY COLORS FOR USE IN INKS. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed April 22, 1939. Serial No. 418,580. PUBLISHED OCTOBER 31, 1939. Class 11.

374,681. WHITE LEAD, BOTH DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,725. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,682. WHITE LEAD, BOTH DRY AND IN OIL, RED LEAD, LIQUID LEAD FOR USE AS A PIGMENT, LINSEED OIL AND DRY OXIDE OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,726. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,683. WHITE LEAD, DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,729. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,684. WHITE LEAD, BOTH DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,730. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,685. WHITE LEAD, DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,731. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,686. LEAD AND LEAD ALLOYS, PARTICULARLY SOLDER. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,734. PUBLISHED NOVEMBER 7, 1939. Class 14.

374,687. WHITE LEAD, BOTH DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,736. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,688. LEAD AND LEAD ALLOYS, PARTICULARLY BABBITT METAL. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,737. PUBLISHED NOVEMBER 7, 1930. Class 14.

374,689. LEAD AND LEAD ALLOYS, PARTICULARLY BABBITT METAL. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,738. PUBLISHED NOVEMBER 7, 1939. Class 14.

374,690. LEAD AND LEAD ALLOYS, PARTICULARLY BABBITT METAL. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,739. PUBLISHED NOVEMBER 7, 1939. Class 14.

374,691. WHITE LEAD, DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,740. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,692. WHITE LEAD, BOTH DRY AND IN OIL, RED LEAD, LIQUID LEAD FOR USE AS A PIGMENT, LINSEED OIL, AND DRY OXIDE OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,741. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,693. WHITE LEAD, DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,742. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,694. WHITE LEAD, BOTH DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,743. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,695. LEAD AND LEAD ALLOYS, PARTICULARLY BABBITT METAL. NATIONAL LEAD COMPANY, New York, N. Y.
Filed April 26, 1939. Serial No. 418,744. PUBLISHED NOVEMBER 7, 1939. Class 14.

374,696. WHITE LEAD, DRY AND IN OIL, AND OXIDES OF LEAD. NATIONAL-BOSTON LEAD COMPANY, New York, N. Y.
Filed April 28, 1939. Serial No. 418,848. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,697. PAINTS, VARNISHES, LACQUERS, ENAMELS, SYNTHETIC ENAMELS, SURFACE PRIMERS; REDUCERS FOR PAINTS, VARNISH, LACQUER, AND ENAMEL; THINNERS FOR PAINT, VARNISH, LACQUER, AND ENAMEL; POLISHING COMPOUNDS, WAXES. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed May 6, 1939. Serial No. 419,163. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,698. WEEKLY PUBLICATION. GAYLORD WOOD, Indianapolis, Ind.
Filed May 15, 1939. Serial No. 419,463. PUBLISHED OCTOBER 31, 1939. Class 38.

374,699. COMPOSITION FLOOR TILE. THE TILE-TEX COMPANY, Chicago Heights, Ill.
Filed May 26, 1939. Serial No. 419,894. PUBLISHED NOVEMBER 7, 1939. Class 12.

374,700. PAINTS OF ALL KINDS IN LIQUID AND PASTE FORM AND VARNISHES. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn.
Filed May 31, 1939. Serial No. 420,037. PUBLISHED NOVEMBER 14, 1939. Class 16.

374,701. OLIVE OIL. GONDOLA OLIVE OIL CO., San Diego, Calif.
Filed June 14, 1939. Serial No. 420,482. PUBLISHED November 14, 1939. Class 46.

374,702. VANILLA FLAVORING POWDERS OF ALL TYPES, BOTH NATURAL AND SYNTHETIC, AND A COMBINATION OF BOTH AND USED IN FOOD PRODUCTS AND PRINCIPALLY IN ICE CREAM, DESSERTS, AND CONFECTIONS. FLORASYNTH LABORATORIES INC., New York N. Y.
Filed June 17, 1939. Serial No. 420,634. PUBLISHED November 14, 1939. Class 46.

374,703. ELECTRICAL CONVERTERS. KABUSIKI KAISYA TYUOSEISAKUSYO, Nagoya-Si, Japan.
Filed June 21, 1939. Serial No. 420,768. PUBLISHED November 14, 1939. Class 21.

374,704. TOILET TISSUE. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed June 22, 1939. Serial No. 420,795. PUBLISHED August 15, 1939. Class 37.

374,705. RAYON AND COTTON PIECE GOODS. HERBERT MANUFACTURING COMPANY, New York, N. Y.
Filed June 26, 1939. Serial No. 420,953. PUBLISHED November 14, 1939. Class 42.

374,706. LIQUID SILVER POLISH, WINDOW CLEANER, RUG AND UPHOLSTERY SHAMPOO, LAUNDRY SOAP, WALLPAPER CLEANER, SANITARY BOWL FLUSH, ETC. VERNON B. HUNT, doing business as Tidy House Products Co., Des Moines, Iowa.
Filed June 28, 1939. Serial No. 421,043. PUBLISHED November 14, 1939. Class 4.

374,707. OPHTHALMIC LENSES AND BLANKS FOR OPHTHALMIC LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed June 29, 1939. Serial No. 421,062. PUBLISHED November 14, 1939. Class 26.

374,708. SCRIPTS FOR A SERIES OF COMMERCIAL RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE. BLACKETT-SAMPLE-HUMMERT, INC., Chicago, Ill.
Filed July 3, 1939. Serial No. 421,232. PUBLISHED November 7, 1939. Class 38.

374,709. FILING CASES OR CABINETS. THE REYNOLDS & REYNOLDS COMPANY, Dayton, Ohio.
Filed July 3, 1939. Serial No. 421,254. PUBLISHED November 14, 1939. Class 32.

374,710. ZINC TREATED ROSIN SOLUTION IN PETROLEUM SOLVENT. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed July 8, 1939. Serial No. 421,390. PUBLISHED November 14, 1939. Class 1.

374,711. KITCHEN CABINETS. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y.
Filed July 11, 1939. Serial No. 421,468. PUBLISHED November 14, 1939. Class 32.

374,712. CAMERAS AND PARTS THEREOF, AND SENSITIZED FILMS. ENSIGN, LIMITED, London, England.
Filed July 12, 1939. Serial No. 421,480. PUBLISHED November 14, 1939. Class 26.

374,713. TENNIS, SQUASH, AND BADMINTON PLAYING RACKETS. HORACE W. HALL, Newton Highlands, Mass.
Filed July 15, 1939. Serial No. 421,608. PUBLISHED November 14, 1939. Class 22.

374,714. MACHINE FOR SHAKING OR ROCKING THE BODY AND SPRINGS OF A MOTOR VEHICLE WHILE THE SAME IS BEING GREASED. ARA P. RICKMIRE, Minneapolis, Minn.
Filed July 15, 1939. Serial No. 421,616. PUBLISHED November 14, 1939. Class 23.

374,715. CIGARS, CIGARETTES, AND CHEWING AND SMOKING TOBACCO. MAX GOLOFSKY, doing business as Rock Island Tobacco Company, Rock Island, Ill.
Filed July 20, 1939. Serial No. 421,771. PUBLISHED November 14, 1939. Class 17.

374,716. OIL OR GAS HOUSE HEATING PLANTS. R. P. GUPTILL, Genoa City, Wis.
Filed July 20, 1939. Serial No. 421,774. PUBLISHED November 14, 1939. Class 34.

374,717. BOOKS, CIRCULARS, ADVERTISING MATTER AND THE LIKE SOLD AS SUCH TO THE TRADE AND ISSUED FROM TIME TO TIME. ASHTON B. COLLINS, Birmingham, Ala.
Filed July 21, 1939. Serial No. 421,798. PUBLISHED November 14, 1939. Class 38.

374,718. LUBRICATING GREASES. HOBSON-MCFARLAND TRACTOR COMPANY, Kansas City, Mo.
Filed July 24, 1939. Serial No. 421,878. PUBLISHED November 14, 1939. Class 15.

374,719. CANNED AND FRESH FRUITS—NAMELY, APPLES, APRICOTS, PEARS, PLUMS, PRUNES, PEACHES, STRAWBERRIES, RASPBERRIES, GRAPES, CHERRIES, ORANGES, LEMONS, LIMES, GRAPEFRUIT, PINEAPPLE, AND VEGETABLES, TEA, COFFEE, SUGAR; ETC. DAVID PERSHA, Duluth, Minn.
Filed July 27, 1939. Serial No. 422,012. PUBLISHED November 14, 1939. Class 46.

374,720. WINDMILLS, PUMP JACKS, GALVANIZED STEEL TOWERS, STEEL SILO LADDERS, AND STEEL MILK CAN RACKS. ELGIN WINDMILL COMPANY, Elgin, Ill.
Filed July 31, 1939. Serial No. 422,129. PUBLISHED November 14, 1939. Class 23.

374,721. LUBRICATING OILS AND GREASES, LUBRICATING OIL COMPOUNDS, AND MOTOR LUBRICATING OILS. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio.
Filed July 31, 1939. Serial No. 422,189. PUBLISHED November 14, 1939. Class 15.

374,722. OLIVE OIL. G. OBERTI & SONS, Madera, Calif.
Filed July 31, 1939. Serial No. 422,148. PUBLISHED November 14, 1939. Class 46.

374,723. METAL PIPE AND PIPE FITTINGS. PACIFIC PIPE COMPANY, San Francisco, Calif.
Filed July 31, 1939. Serial No. 422,149. PUBLISHED November 14, 1939. Class 13.

374,724. GAS, LIQUID, AND ELECTRIC EQUIPMENT, TOGETHER WITH DUCT AND CONTROL SYSTEMS FOR TREATING AND DIAGNOSING, ETC. THE MCKESSON APPLIANCE CO., Toledo, Ohio.
Filed August 4, 1939. Serial No. 422,292. PUBLISHED November 14, 1939. Class 44.

374,725. MATTRESSES. FORT PITT BEDDING COMPANY, Pittsburgh, Pa.
Filed August 5, 1939. Serial No. 422,307. PUBLISHED November 14, 1939. Class 32.

374,726. ASBESTOS CEMENTS, ASBESTOS PAPERS, ASBESTOS MILL BOARD, WOOL FELT INSULATION, FURNACE COVERINGS, ETC. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed August 7, 1939. Serial No. 422,363. PUBLISHED November 14, 1939. Class 12.

374,727. SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed August 8, 1939. Serial No. 422,413. PUBLISHED NOVEMBER 14, 1939. Class 38.

374,728. CHEMICAL COMPOUNDS IN THE NATURE OF WATERPROOFING PREPARATIONS IN LIQUID FORM FOR USE ON CONCRETE, STUCCO, BRICK, MASONRY SURFACES, PLASTER, INSULATING BOARDS, ASBESTOS, SHINGLE OR TILE, WOOD, CANVAS, AND OTHER SURFACES. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J.
Filed August 8, 1939. Serial No. 422,423. PUBLISHED NOVEMBER 7, 1939. Class 12.

374,729. CHEMICAL COMPOUNDS IN THE NATURE OF POWDER USED FOR PLASTICIZING WATERPROOFING PREPARATIONS USED ON CONCRETE, STUCCO, BRICK, MASONRY SURFACES, PLASTER, INSULATING BOARDS, ASBESTOS, SHINGLE OR TILE, WOOD, CANVAS, AND OTHER SURFACES. TURNER-PFISTER CHEMICAL CORPORATION, Ridgefield, N. J.
Filed August 8, 1939. Serial No. 422,424. PUBLISHED NOVEMBER 7, 1939. Class 12.

374,730. COLLAPSIBLE TUBES. A. H. WIRZ, INC., Chester, Pa.
Filed August 8, 1939. Serial No. 422,433. PUBLISHED NOVEMBER 7, 1939. Class 2.

374,731. SALAD DRESSING. JOSEPH BESSEGHINI, doing business as Indian Grill Products Company, Colorado Springs, Colo.
Filed August 10, 1939. Serial No. 422,462. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,732. GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed August 10, 1939. Serial No. 422,493. PUBLISHED OCTOBER 31, 1939. Class 5.

374,733. CRANKCASE VENTILATING SYSTEMS INCLUDING AN ADAPTER, VALVES, FITTINGS, AND TUBING. FLEMING MANUFACTURING COMPANY, East Providence, R. I.
Filed August 11, 1939. Serial No. 422,507. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,734. PUBLICATION ISSUED PERIODICALLY. MIDLAND ASSOCIATES, INC., Chicago, Ill.
Filed August 11, 1939. Serial No. 422,514. PUBLISHED OCTOBER 24, 1939. Class 38.

374,735. YEAST-VEGETABLE CONCENTRATE USED FOR A SEASONING FOR MAKING SOUP, DRINKS, BOUILLONS, AND AS A SPREAD FOR BREAD, CRACKERS, AND SANDWICHES. SOVEX FOOD PRODUCTS, Holly, Mich.
Filed August 11, 1939. Serial No. 422,523. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,736. SANITARY NAPKINS. COMPRESSED PRODUCTS CORP., New York, N. Y.
Filed August 12, 1939. Serial No. 422,538. PUBLISHED NOVEMBER 14, 1939. Class 44.

374,737. DOMESTIC GAS RANGES. AMERICAN STOVE COMPANY, St. Louis, Mo.
Filed September 13, 1939. Serial No. 423,543. PUBLISHED NOVEMBER 14, 1939. Class 34.

374,738. CLARINETS, BASS CLARINETS, OBOES, BUGLES, ALTO HORNS, BASS HORNS, GUITARS, FLUTES, ALTO CLARINETS, CORNETS, ETC. GRETSCH & BRENNER, INC., New York, N. Y.
Filed August 12, 1939. Serial No. 422,544. PUBLISHED NOVEMBER 14, 1939. Class 36.

374,739. SALT. MYLES SALT COMPANY, LIMITED, New Orleans, La.
Filed August 12, 1939. Serial No. 422,551. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,740. CERAMIC WARE—NAMELY, CERAMIC SINKS FOR LABORATORY USE, DRAIN TROUGHS FOR LABORATORY EQUIPMENT, AND DEVELOPING TANKS. CERAMIC PRODUCTS COMPANY, Kewaunee, Wis.
Filed August 15, 1939. Serial No. 422,623. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,741. PREPARED DOUGHNUT FLOUR. PH. ORTH CO., Milwaukee, Wis.
Filed August 16, 1939. Serial No. 422,672. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,742. FLUID LUBRICANT. THE NATIONAL REFINING COMPANY, Cleveland, Ohio.
Filed August 17, 1939. Serial No. 422,710. PUBLISHED NOVEMBER 14, 1939. Class 15.

374,743. PIANOS. THE RUDOLPH WURLITZER COMPANY, De Kalb, Ill.
Filed August 17, 1939. Serial No. 422,730. PUBLISHED NOVEMBER 14, 1939. Class 36.

374,744. FINGER RINGS. KASPAR & ESH, INC., New York, N. Y.
Filed August 18, 1939. Serial No. 422,751. PUBLISHED NOVEMBER 14, 1939. Class 28.

374,745. PAPER BAGS. THE MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn.
Filed August 19, 1939. Serial No. 422,783. PUBLISHED OCTOBER 31, 1939. Class 2.

374,746. METERS, GAUGES, AND CONTROLLING DEVICES FOR RECORDING, INDICATING, AND TOTALIZING THE FLOW OF LIQUIDS OR GASES THROUGH ORIFICES, VENTURIS, AND SIMILAR PRIMARY DEVICES, INCLUDING THE REMOTE TRANSMISSION OF A TOTALIZED FLOW. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa.
Filed August 19, 1939. Serial No. 422,788. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,747. GASEOUS DISCHARGE TUBES AND PARTS THEREOF FOR ELECTRIC LIGHTING, AND LAMPS, SIGNS, AND DISPLAYS COMPRISING SUCH TUBES. PLASTIC LIGHTS, INC., Toledo, Ohio.
Filed August 21, 1939. Serial No. 422,828. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,748. STRIPPABLE PAPER MOLDS AND WRAPPERS FOR ICE CREAM. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill.
Filed August 21, 1939. Serial No. 422,839. PUBLISHED OCTOBER 31, 1939. Class 2.

374,749. FLOOR COVERING AND WALL COVERING OF THE HARD-SURFACED FLEXIBLE TYPE AND HAVING A WEARING LAYER OF PLASTIC MATERIAL CONSISTING ESSENTIALLY OF POWDERED WOOD AND BINDER. BIRD & SON, INC., East Walpole, Mass.
Filed August 22, 1939. Serial No. 422,850. PUBLISHED NOVEMBER 14, 1939. Class 20.

374,750. YARNS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed August 22, 1939. Serial No. 422,873. PUBLISHED NOVEMBER 7, 1939. Class 43.

374,751. PIECE GOODS OF SILK, COTTON, RAYON, AND WOOL, AND PIECE GOODS OF MIXTURES OF THESE MATERIALS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed August 22, 1939. Serial No. 422,874. PUBLISHED NOVEMBER 14, 1939. Class 42.

374,752. WEIGHING SCALES. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,885. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,753. WEIGHING SCALES. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,886. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,754. BOWLING PINS. NATIONAL BILLIARD SUPPLY CO., Chicago, Ill.
Filed August 24, 1939. Serial No. 422,946. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,755. BOWLING PINS. NATIONAL BILLIARD SUPPLY CO., Chicago, Ill.
Filed August 24, 1939. Serial No. 422,947. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,756. BOWLING PINS. NATIONAL BILLIARD SUPPLY CO., Chicago, Ill.
Filed August 24, 1939. Serial No. 422,948. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,757. CARPET SWEEPERS. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich.
Filed August 25, 1939. Serial No. 422,980. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,758. COPYHOLDERS AND PARTS THEREOF. REMINGTON RAND INC., Buffalo, N. Y.
Filed August 26, 1939. Serial No. 423,034. PUBLISHED NOVEMBER 14, 1939. Class 37.

374,759. HAND TOOLS—NAMELY, AXES, HAMMERS, HATCHETS, ADZES, AND BROADAXES. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed August 28, 1939. Serial No. 423,048. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,760. POTATOES IN THEIR NATURAL STATE. HOWARD BROTHERS, Idaho Falls, Idaho.
Filed August 28, 1939. Serial No. 423,059. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,761. FLOOR SANDING MACHINERY AND PARTS THEREOF. OSWALD L. RUGAARD, doing business as Rugaard Mfg. Co., Lawrence, Mass.
Filed August 28, 1939. Serial No. 423,071. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,762. DEVELOPING AND FIXING TRAYS, DEVELOPING AND FIXING TANKS, AND BOXES FOR USE IN PHOTOGRAPHIC ART. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed August 29, 1939. Serial No. 423,079. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,763. DEVELOPING AND FIXING TRAYS, DEVELOPING AND FIXING TANKS, AND BOXES FOR USE IN PHOTOGRAPHIC ART. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed August 29, 1939. Serial No. 423,080. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,764. ALTERNATING CURRENT RECTIFIERS. ELECTRICAL FACILITIES INC., Oakland, Calif.
Filed August 29, 1939. Serial No. 423,090. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,765. CANNED FRUIT AND VEGETABLE JUICES. BRUCE'S JUICES, INC., Tampa, Fla.
Filed August 30, 1939. Serial No. 423,122. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,766. MACHINE TOOLS, PARTICULARLY PRECISION GRINDING MACHINES INCLUDING CYLINDRICAL AND CENTERLESS GRINDERS, AND BEARINGS FOR MACHINE TOOLS. CINCINNATI GRINDERS INCORPORATED, Cincinnati, Ohio.
Filed August 30, 1939. Serial No. 423,125. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,767. SHAMPOO TYPE CLEANER APPLIED TO UPHOLSTERY, RUGS OR FABRICS, WOODWORK, PAINTED WALLS, AND AUTOMOBILES. ROBERT P. RICH, doing business as Rich Laboratories, Indianapolis, Ind.
Filed August 30, 1939. Serial No. 423,143. PUBLISHED NOVEMBER 14, 1939. Class 4.

374,768. FOOD PRODUCT SIMILAR TO PAPRIKA AND USED AS A SEASONING, COLORING, AND FLAVORING FOR FOODS. SOKOL & CO., Chicago, Ill.
Filed August 30, 1939. Serial No. 423,145. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,769. WIDE ELASTIC FABRIC, IN THE PIECE. JODEL, INC., New York, N. Y.
Filed August 31, 1939. Serial No. 423,171. PUBLISHED NOVEMBER 7, 1939. Class 42.

374,770. BASE METAL CHAIN. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed September 1, 1939. Serial No. 423,196. PUBLISHED NOVEMBER 14, 1939. Class 13.

374,771. BASE METAL CHAIN. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed September 1, 1939. Serial No. 423,197. PUBLISHED NOVEMBER 14, 1939. Class 13.

374,772. PERIODICAL. THE BETTER CITIZENSHIP ASSOCIATION, Cleveland, Ohio.
Filed September 1, 1939. Serial No. 423,202. PUBLISHED NOVEMBER 14, 1939. Class 38.

374,773. EVAPORATED MILK. THE BORDEN COMPANY, New York, N. Y.
Filed September 2, 1939. Serial No. 423,254. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,774. PENETRATING OILS AND LUBRICATING OILS AND SPRAY OILS USED IN THE AUTOMOTIVE INDUSTRY. GEORGE W. YENGEL, doing business as Malbone Co., Brooklyn, N. Y.
Filed September 2, 1939. Serial No. 423,284. PUBLISHED NOVEMBER 7, 1939. Class 15.

374,775. SASH CORD. JOHN H. GRAHAM & CO., INC., New York, N. Y.
Filed September 5, 1939. Serial No. 423,299. PUBLISHED NOVEMBER 7, 1939. Class 7.

374,776. BRAIDED SASH CORD. JOHN H. GRAHAM & CO., INC., New York, N. Y.
Filed September 5, 1939. Serial No. 423,300. PUBLISHED NOVEMBER 7, 1939. Class 7.

374,777. BRAIDED SASH CORD. JOHN H. GRAHAM & CO., INC., New York, N. Y.
Filed September 5, 1939. Serial No. 423,302. PUBLISHED NOVEMBER 7, 1939. Class 7.

374,778. WHEAT FLOUR. THE WHITEWATER FLOUR MILLS CO., doing business as The Ross Milling Company, Ottawa, Kans.
Filed September 5, 1939. Serial No. 423,321. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,779. WIRE ROPE AND WIRE STRAND. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn.
Filed September 7, 1939. Serial No. 423,364. PUBLISHED NOVEMBER 7, 1939. Class 7.

374,780. MAGAZINE SECTION. THE CONDE NAST PUBLICATIONS, New York, N. Y.
Filed September 7, 1939. Serial No. 423,372. PUBLISHED NOVEMBER 7, 1939. Class 38.

374,781. NEWSPAPER COLUMN. CLINT TROUTMAN, doing business as C. Allen, Joplin, Mo.
Filed September 7, 1939. Serial No. 423,388. PUBLISHED NOVEMBER 14, 1939. Class 38.

374,782. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS AND FILMS AND SENSITIZED PHOTOGRAPHIC PAPER. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed September 8, 1939. Serial No. 423,405. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,783. UPHOLSTERY, PILLOW AND MATTRESS SPRINGS, AND SPRING UNITS. CHICAGO UPHOLSTERERS SUPPLY CO., Chicago, Ill.
Filed September 8, 1939. Serial No. 423,410. PUBLISHED NOVEMBER 14, 1939. Class 32.

374,784. TEXTILE FABRICS IN THE PIECE, INCLUDING MARQUISETTES AND OTHER FABRICS COMPOSED IN WHOLE OR IN PART OF COTTON OR RAYON. MOUNT HOPE FINISHING COMPANY, Dighton, Mass.
Filed September 8, 1939. Serial No. 423,434. PUBLISHED NOVEMBER 14, 1939. Class 42.

374,785. MONTHLY PUBLICATION. SENSATION MAGAZINE, INC., New York, N. Y.
Filed September 8, 1939. Serial No. 423,440. PUBLISHED NOVEMBER 7, 1939. Class 38.

374,786. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed September 8, 1939. Serial No. 423,447. PUBLISHED NOVEMBER 7, 1939. Class 38.

374,787. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed September 9, 1939. Serial No. 423,458. PUBLISHED NOVEMBER 14, 1939. Class 42.

374,788. DENTAL AND SURGICAL FLASHLIGHTS EQUIPPED WITH INTERCHANGEABLE PLASTIC TIPS FOR DIRECTING AND CONCENTRATING THE BEAM OF THE LIGHT. THE HICHELL CO., Boston, Mass.
Filed September 9, 1939. Serial No. 423,464. PUBLISHED NOVEMBER 14, 1939. Class 44.

374,789. RUM, WHISKEY, GIN, CORDIALS, AND LIQUEURS. MANY, BLANC & CO., INC., Chicago, Ill.
Filed September 11, 1939. Serial No. 423,504. PUBLISHED NOVEMBER 14, 1939. Class 49.

374,790. FRESH VEGETABLES. H. Y. MINAMI & SONS, Guadalupe and San Luis Obispo, Calif.
Filed September 12, 1939. Serial No. 423,533. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,791. RUBBER ROPE FOR USE IN PHYSICAL EXERCISE. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed September 12, 1939. Serial No. 423,535. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,792. LINOLEUM. GEO. WEHN & CO., Pittsburgh, Pa.
Filed September 12, 1939. Serial No. 423,538. PUBLISHED NOVEMBER 14, 1939. Class 20.

374,793. CANDY. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed September 13, 1939. Serial No. 423,546. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,794. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed September 13, 1939. Serial No. 423,551. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,795. CURTAINS. FALL RIVER CURTAIN CO., INC., New York, N. Y.
Filed September 13, 1939. Serial No. 423,557. PUBLISHED NOVEMBER 7, 1939. Class 42.

374,796. PLYWOOD PANELS. PEARL CITY PLYWOOD CO., INC., Jamestown, N. Y.
Filed September 13, 1939. Serial No. 423,572. PUBLISHED NOVEMBER 14, 1939. Class 12.

374,797. FISHING LINES. MARSHALL-WELLS COMPANY, doing business as Big Bill Tackle Co., Duluth, Minn.
Filed September 14, 1939. Serial No. 423,587. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,798. SUPERVISORY CONTROL SYSTEM APPARATUS AND SWITCHBOARDS FOR ELECTRICAL APPARATUS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed September 15, 1939. Serial No. 423,642. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,799. SUPERVISORY CONTROL SYSTEM APPARATUS AND SWITCHBOARDS FOR ELECTRICAL APPARATUS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed September 15, 1939. Serial No. 423,643. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,800. BOARD GAME PLAYED WITH MOVABLE PIECES. CARROM INDUSTRIES, INC., Ludington, Mich.
Filed September 16, 1939. Serial No. 423,655. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,801. TRACTORS. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 16, 1939. Serial No. 423,665. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,802. SILK PIECE GOODS AND CREPE PIECE GOODS OF SILK AND/OR ARTIFICIAL SILK. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed September 16, 1939. Serial No. 423,678. PUBLISHED NOVEMBER 14, 1939. Class 42.

374,803. SILK PIECE GOODS AND CREPE PIECE GOODS OF SILK AND/OR ARTIFICIAL SILK. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed September 16, 1939. Serial No. 423,679. PUBLISHED NOVEMBER 14, 1939. Class 42.

374,804. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed September 16, 1939. Serial No. 423,684. PUBLISHED NOVEMBER 7, 1939. Class 38.

374,805. WHEAT BREAKFAST FOOD. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn.
Filed September 18, 1939. Serial No. 423,696. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,806. GOLF BALLS. GOLF BALL, INC., Chicago, Ill.
Filed September 18, 1939. Serial No. 423,698. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,807. SUITCASES AND WARDROBE HAND LUGGAGE. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed September 18, 1939. Serial No. 423,701. PUBLISHED NOVEMBER 7, 1939. Class 3.

374,808. CANNED VEGETABLES. SANTA ANITA FOOD CORPORATION, Anaheim, Calif.
Filed September 18, 1939. Serial No. 423,714. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,809. CULINARY SALT. HENRY H. YORK AND COMPANY PROPRIETARY LIMITED, Sydney, New South Wales, Australia.
Filed September 18, 1939. Serial No. 423,718. PUBLISHED NOVEMBER 14, 1939. Class 46.

374,810. SAILBOATS WITH OR WITHOUT AUXILIARY MOTORS, ROWBOATS, AND SKIFFS. COLEMAN BOAT COMPANY, INC., New York, N. Y.
Filed September 19, 1939. Serial No. 423,723. PUBLISHED NOVEMBER 14, 1939. Class 19.

374,811. LIGHT SENSITIVE PAPER. THE HALOID COMPANY, Rochester, N. Y.
Filed September 19, 1939. Serial No. 423,728. PUBLISHED NOVEMBER 14, 1939. Class 26.

374,812. FLUID PUMPS AND COMPRESSORS AND PARTS THEREOF. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed September 19, 1939. Serial No. 423,736. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,813. INSULATED ELECTRICAL WIRE AND CABLE. ANACONDA WIRE & CABLE CO., New York, N. Y.
Filed September 20, 1939. Serial No. 423,747. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,814. INSULATED ELECTRICAL WIRE AND CABLE. ANACONDA WIRE & CABLE CO., New York, N. Y.
Filed September 20, 1939. Serial No. 423,748. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,815. LAMP LENSES AND REFLECTORS, OIL FLARES, OIL LAMPS, MARINE VENTILATORS, VEHICLE SAFETY REFLECTORS. THE KILBORN-SAUER COMPANY, Fairfield, Conn.
Filed September 20, 1939. Serial No. 423,762. PUBLISHED NOVEMBER 14, 1939. Class 34.

374,816. STORAGE BATTERIES. NAT MILLER, doing business as Remil Storage Battery Co., Boston, Mass.
Filed September 20, 1939. Serial No. 423,767. PUBLISHED NOVEMBER 14, 1939. Class 21.

374,817. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed September 20, 1939. Serial No. 423,778. PUBLISHED NOVEMBER 14, 1939. Class 47.

374,818. ICE CUTTING MACHINES. THERMO CUBER COMPANY, INC., Chicago, Ill.
Filed September 20, 1939. Serial No. 423,779. PUBLISHED NOVEMBER 14, 1939. Class 23.

374,819. BED SPRINGS. FISCHER BED SPRING COMPANY, Pittsburgh, Pa.
Filed October 10, 1939. Serial No. 424,395. PUBLISHED NOVEMBER 14, 1939. Class 32.

374,820. PERIODICAL PUBLICATION. THELMA M. CONERLY, doing business as Conerly Press Features, Washington, D. C.
Filed October 14, 1939. Serial No. 424,704. PUBLISHED NOVEMBER 21, 1939. Class 38.

374,821. ROOFINGS, SIDINGS, TILINGS, THERMAL INSULATION MATERIALS, AND BITUMINOUS FLOOR COVERINGS. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed September 21, 1939. Serial No. 423,831. PUBLISHED NOVEMBER 14, 1939. Class 12.

374,822. PILLOWS, MATTRESSES, AND CUSHIONS AND PADS FOR UPHOLSTERY. HYGIENIC SUPPLIES CORPORATION, Albany, N. Y.
Filed September 26, 1939. Serial No. 423,952. PUBLISHED NOVEMBER 14, 1939. Class 32.

374,823. COTTON PIECE GOODS. PACIFIC MILLS, Boston, Mass.
Filed September 26, 1939. Serial No. 423,956. PUBLISHED NOVEMBER 7, 1939. Class 42.

374,824. REFRIGERATED DISPLAY CASES. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo.
Filed September 29, 1939. Serial No. 424,042. PUBLISHED NOVEMBER 14, 1939. Class 31.

374,825. REFRIGERATED DISPLAY CASES. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo.
Filed September 29, 1939. Serial No. 424,045. PUBLISHED NOVEMBER 14, 1939. Class 31.

374,826. SPHYGMOMANOMETERS. W. A. BAUM CO. INC., New York, N. Y.
Filed September 30, 1939. Serial No. 424,077. PUBLISHED NOVEMBER 14, 1939. Class 44.

374,827. BOARD GAME WITH A SPINNER, CARDS, AND MOVABLE PIECES. O. SCHOENHUT INC., Philadelphia, Pa.
Filed October 6, 1939. Serial No. 424,278. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,828. TOY VEHICLES. JOSEPH DAVIDSON, New York, N. Y.
Filed October 7, 1939. Serial No. 424,296. PUBLISHED NOVEMBER 14, 1939. Class 22.

374,829. MATTRESSES. UNITED STATES CABINET BED CO., New York, N. Y.
Filed October 9, 1939. Serial No. 424,375. PUBLISHED NOVEMBER 14, 1939. Class 32.

374,830. MACHINERY OF ALL KINDS AND PARTS OF MACHINERY—NAMELY, ELECTRIC FLOOR POLISHING MACHINES AND VACUUM CLEANING MACHINES. THE BRITISH VACUUM CLEANER & ENGINEERING COMPANY LIMITED, London, England.
Filed March 4, 1938. Serial No. 403,675. PUBLISHED NOVEMBER 14, 1939. Class 21.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

374,831. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CURTIS LIGHTING, INC., Chicago, Ill. Filed Sept. 24, 1937. Serial No. 397,740.

LIGHT-HOOD

For Electric Lighting Fixtures for Illuminating from a Hidden Source, and Parts Thereof.
Claims use since Dec. 1, 1936.

374,832. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Jan. 20, 1939. Serial No. 415,034.

MELLO AGE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 9, 1938.

374,833. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Jan. 20, 1939. Serial No. 415,035.

MELLOW AGE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 9, 1938.

374,834. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) E. O. JACKSON & COMPANY, Chicago, Ill. Filed Nov. 20, 1939. Serial No. 425,836.

STUART & WILLIAMS

For Whiskey.
Claims use since Nov. 25, 1936.

TRADE-MARK REGISTRATIONS RENEWED

127,936. **VELDUVYNE.** WOOLEN PIECE GOODS. Registered December 16, 1919. FORSTMANN & HUFFMANN CO. Renewed December 16, 1939, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

127,939. **CORDUVEL.** WOOLEN PIECE GOODS. Registered December 16, 1919. FORSTMANN & HUFFMANN CO. Renewed December 16, 1939, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

128,064. **SUEDELAINE.** WOOLEN PIECE GOODS. Registered December 23, 1919. FORSTMANN & HUFFMANN CO. Renewed December 23, 1939, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

128,426. **LEE.** TENNIS-RACKETS, GOLF-CLUBS, GOLF-BALLS, AND SKATES. Registered January 6, 1920. HARRY C. LEE & CO., New York, N. Y., a corporation of New York. Renewed January 6, 1940.

128,543. **TODOCINE.** A GENERAL RECONSTRUCTIVE TONIC AND TISSUE-BUILDER. Registered January 6, 1920. PEYTON H. TODD AND SON, Atlanta, Ga., a firm. Renewed January 6, 1940.

129,157. **IVY WAY.** CERTAIN NAMED CANNED FRUITS AND VEGETABLES, VANILLA AND LEMON EXTRACTS FOR FOOD-FLAVORING PURPOSES. Registered January 27, 1920. FLAHERTY & URBANOWSKI CO. Renewed January 27, 1940, to Intercity Grocery Co., Peru, Ill., a corporation of Illinois, by change of name.

129,355. **BONE DRY.** BOOTS AND SHOES MADE OF LEATHER. Registered February 17, 1920. FELDER SHOE MFG. CO., Seattle, Wash. Renewed February 17, 1940, to Bone Dry Shoe Manufacturing Co., Tacoma, Wash., a corporation of Washington, by change of name.

130,314. **LONDON.** GARTERS. Registered April 20, 1920. HEWES & POTTER, Boston, Mass. Renewed April 20, 1940, to Glove Novelty House, New York, N. Y., a firm, assignee by mesne assignments.

130,835. **YORKSHIRE FARM.** EGGS. Registered May 4, 1920. JOHN MORRELL & CO., Ottumwa, Iowa, a corporation of Maine. Renewed May 4, 1940.

131,011. **LION.** MEN'S AND BOYS' CAPS AND MEN'S AND BOYS' STRAW AND FELT HATS. Registered May 4, 1920. LANGENBERG HAT COMPANY. Renewed May 4, 1940, to Harris Langenberg Hat Co., St. Louis, Mo., a corporation of Missouri, by change of name.

131,249. **VISCOLIZER.** MACHINES FOR EFFECTING EMULSION AND PRODUCING HOMOGENEOUS AND EMULSIFIED MIXTURES. Registered May 4, 1920. UNION STEAM PUMP COMPANY, Battle Creek, Mich., a corporation of Michigan. Renewed May 4, 1940.

131,399. **FRANKLIN.** PIANOS AND PLAYER-PIANOS. Registered May 18, 1920. AMERICAN PIANO COMPANY. Renewed May 18, 1940, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee.

131,581. **PLANCO.** COTTON GOODS IN THE PIECE. Registered May 18, 1920. PRINCE LAUTEN CO. Renewed May 18, 1940, to Prince-Lauten Corp., New York, N. Y., a corporation of New York, successor.

131,691. **AMALGAMATED.** ANTICORROSIVE, ANTIFOULING, AND MIXED PAINTS. Registered May 25, 1920. AMALGAMATED PAINT COMPANY INC., New York, N. Y., a corporation of New Jersey. Renewed May 25, 1940.

131,988. **BRIER ROSE.** CANNED VEGETABLES. Registered June 8, 1920. GREEN MOUNTAIN PACKING COMPANY, Portland, Maine. Renewed June 8, 1940, to Green Mountain Packing Co., Inc., St. Albans, Vt., a corporation of Vermont, assignee.

131,989. **HOME.** CANNED AND PRESERVED FRUITS, CANNED VEGETABLES, CANNED FISH, AND CANNED OYSTERS. Registered June 8, 1920. GRIGGS, COOPER & COMPANY. Renewed June 8, 1940, to Griggs, Cooper & Company, St. Paul, Minn., a corporation of Delaware, assignee.

LABELS
REGISTERED JANUARY 23, 1940

54,172.—*Title:* UNION MADE GARMENT. For Garments. AMALGAMATED CLOTHING WORKERS OF AMERICA, New York, N. Y. Published November 14, 1939.

54,173.—*Title:* UNION MADE NECKWEAR. For Neckwear. AMALGAMATED CLOTHING WORKERS OF AMERICA, New York, N. Y. Published December 2, 1939.

54,174.—*Title:* UNION MADE SUIT. For Suits. AMALGAMATED CLOTHING WORKERS OF AMERICA, New York, N. Y. Published December 15, 1939.

54,175.—*Title:* AMBROSIA DUTCH PROCESS. For Cocoa. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Published December 16, 1939.

54,176.—*Title:* BEECH-NUT. For Soups. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 17, 1938.

54,177.—*Title:* SANDWICH BAGS 10¢ BENMONT MASTERCRAFT. For Sandwich Bags. BEN MONT PAPERS, INC., Bennington, Vt. Published November 21, 1939.

54,178.—*Title:* SANDWICH BAGS 5¢ BENMONT MASTERCRAFT. For Sandwich Bags. BEN MONT PAPERS, INC., Bennington, Vt. Published November 21, 1939.

54,179.—*Title:* BORDEN'S IRRADIATED EVAPORATED MILK. For Irradiated Evaporated Milk. THE BORDEN COMPANY, New York, N. Y. Published June 15, 1939.

54,180.—*Title:* C AND H SUGAR PURE CANE WRAPPED CUBELETS TWO PER SERVICE. For Sugar. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Published December 4, 1939.

54,181.—*Title:* C AND H SUGAR PURE CANE CRYSTAL TABLETS INDIVIDUALLY WRAPPED. For Sugar. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Published December 4, 1939.

54,182.—*Title:* AS GENTLE AS FALLING LEAVES. For Soap Flakes. BEATRICE B. C. CARPENTER, Chicago, Ill. Published November 10, 1939.

54,183.—*Title:* CREAMERY BUTTER. For Butter. CHICAGO CARTON COMPANY, Chicago, Ill. Published November 28, 1939.

54,184.—*Title:* CONCENTRA. For a Concentrated Mouth Wash. CONCENTRA PHARMACAL CO., New York, N. Y. Published December 1, 1939.

54,185.—*Title:* MONGOL COLORED INDELIBLE THIN LEAD PENCILS, "PAINT WITH PENCILS". For Colored Indelible Pencils. EBERHARD FABER PENCIL COMPANY, New York, N. Y. Published January 21, 1935.

54,186.—*Title:* NOK-OUT FLEA POWDER. For Flea Powder. ANN BIGGAR ENNIS, Kansas City, Mo. Published December 4, 1939.

54,187.—*Title:* IDEAL SALAD DRESSING. For Salad Dressing. ELVIRO FIRMALINO, New York, N. Y. Published October 10, 1939.

54,188.—*Title:* SPERRY QUICK COOKER OATS. For Rolled Oats. GENERAL MILLS, INC., Minneapolis, Minn. Published December 26, 1939.

54,189.—*Title:* SPERRY FARINA. For Farina. GENERAL MILLS, INC., Minneapolis, Minn. Published September 28, 1939.

54,190.—*Title:* SPERRY PANCAKE AND WAFFLE FLOUR. For Pancake and Waffle Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 16, 1939.

54,191.—*Title:* SPERRY STEEL CUT OAT MEAL. For Oat Meal. GENERAL MILLS, INC., Minneapolis, Minn. Published October 20, 1939.

54,192.—*Title:* SPERRY TRUE KILTIE STYLE ROLLED OATS. For Rolled Oats. GENERAL MILLS, INC., Minneapolis, Minn. Published August 10, 1939.

54,193.—*Title:* SPERRY YELLOW CORN MEAL. For Yellow Corn Meal. GENERAL MILLS, INC., Minneapolis, Minn. Published September 9, 1939.

54,194.—*Title:* SPERRY WHEAT HEARTS. For Cereal Breakfast Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1939.

54,195.—*Title:* SPERRY WHITE CORN MEAL. For White Corn Meal. GENERAL MILLS, INC., Minneapolis, Minn. Published September 9, 1939.

54,196.—*Title:* POT-READY. For Dressed Poultry. R. W. HAMMAR, Jamestown, N. Y. Published September 1, 1939.

54,197.—*Title:* HUDSON LEKTRIC-HEN FOR CARE-FREE BROODING. For Electric Brooders. H. D. HUDSON MANUFACTURING CO., Chicago, Ill. Published December 8, 1939.

54,198.—*Title:* JACK THE GIANT KILLER. For Canned Cream of Spinach Soup. KEMCO PRODUCTS CO., Kokomo, Ind. Published October 25, 1939.

54,199.—*Title:* LITTLE RED RIDING HOOD. For Canned Cream of Tomato Soup. KEMCO PRODUCTS CO., Kokomo, Ind. Published October 25, 1939.

54,200.—*Title:* THE THREE LITTLE PIGS. For Canned Cream of Celery Soup. KEMCO PRODUCTS CO., Kokomo, Ind. Published October 25, 1939.

54,201.—*Title:* PETER RABBIT. For Canned Cream of Carrot Soup. KEMCO PRODUCTS CO., Kokomo, Ind. Published October 25, 1939.

54,202.—*Title:* THE THREE BEARS. For Canned Cream of Vegetable Porridge. KEMCO PRODUCTS CO., Kokomo, Ind. Published October 25, 1939.

54,203.—*Title:* TOM THUMB. For Canned Cream of Pea Soup. KEMCO PRODUCTS CO., Kokomo, Ind. Published October 25, 1939.

54,204.—*Title:* WHIZ A DANDY WHISTLE AND CHAIN. For Whistles and Chains. ISADORE LEVIN, doing business as Champion Products Co., New York, N. Y. Published November 15, 1939.

54,205.—*Title:* DR. I. Q. For Candy Bars. MARS INCORPORATED, Chicago, Ill. Published November 28, 1939.

54,206.—*Title:* WISE. For Shoes. FRANK C. MEYER CO. INC., New York, N. Y. Published December 23, 1937.

54,207.—*Title:* CHARGE ER. For an Alkalizing Lemon-Flavored Soda. MISSION DRY CORPORATION, Los Angeles, Calif. Published November 15, 1939.

54,208.—*Title:* PIONEER MINCED SEA CLAMS. For Minced Sea Clams. PIONEER CANNERIES, INC., Seattle, Wash. Published November 16, 1939.

54,209.—*Title:* ROYAL PACIFIC. For Canned Tuna. SOUTH PACIFIC CANNING CO., Long Beach, Calif. Published December 18, 1939.

54,210.—*Title:* SPANO CELERY. For Celery. SAM SPANO & SONS, Adams City, Colo. Published November 10, 1939.

54,211.—*Title:* VOGT'S PHILADELPHIA SCRAPPLE. For Canned Scrapple. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Published December 8, 1939.

54,212.—*Title:* WARD'S CAKE—BEAUTIES. For Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,213.—*Title:* WARD'S CAKE—BANANA FILLED TWINS. For Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,214.—*Title:* WARD'S CAKE—DEVILS FOOD SANDWICH. For Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,215.—*Title:* WARD'S CAKE—GOLDEN POUND. For Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,216.—*Title:* WARD'S CAKE—RAISIN POUND. For Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,217.—*Title:* SOFT MOLASSES COOKIES. For Cookies. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,218.—*Title:* WHOLE WHEAT BREAD SLICED. For Sliced Whole Wheat Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 12, 1939.

54,219.—*Title:* SILVER LABEL BREAD. For Sliced Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published December 21, 1939.

PRINTS

REGISTERED JANUARY 23, 1940

17,805.—*Title:* HOW TO USE CANUTE WATER. For a Hair Coloring Preparation. THE CANUTE CO., Milwaukee, Wis. Published August 23, 1939.

17,806.—*Title:* REDSKINS' 99 YARD TOUCHDOWN SHATTERS FORWARD PASSING RECORD. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published December 10, 1939.

17,807.—*Title:* FIRST OVER THE BARS, HUNTER BALTIMORE RYE WHISKEY A BLEND. For Blended Rye Whiskey. HUNTER BALTIMORE RYE DISTILLERY, INC., Baltimore, Md. Published November 27, 1939.

17,808.—*Title:* ROTHLEY 3-PIECE COMPACT PAJAMAS. For 3-Piece Compact Pajamas. ROTHLEY INCORPORATED, Chicago, Ill. Published November 11, 1939.

17,809.—*Title:* DISINFECTS AS IT CLEANS. For Ozonized Chlorine Solution for Use in Laundry, Kitchen, Nursery, and Bath. DONALD R. TEMPLE, doing business as Toc's Products Company, Syracuse, N. Y. Published February 1, 1937.

REISSUES

JANUARY 23, 1940

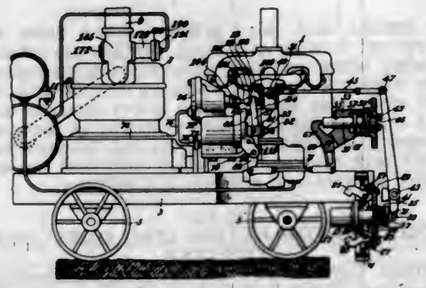
21,329

COMPRESSOR REGULATOR

Charles S. Baker, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Original No. 2,171,286, dated August 29, 1939, Serial No. 190,799, February 16, 1938. Application for reissue November 22, 1939, Serial No. 305,681

35 Claims. (Cl. 230—4)



1. In a motor driven fluid compressor unit having a motor speed governor, a pressure responsive regulator to control and vary the speed setting of the governor upon variation of the discharge pressure of the compressor below a predetermined high discharge pressure, and means to vary the quantity of fluid admitted to the compressor between a maximum and a minimum quantity upon any variation in the discharge pressure of the compressor above said predetermined high discharge pressure.

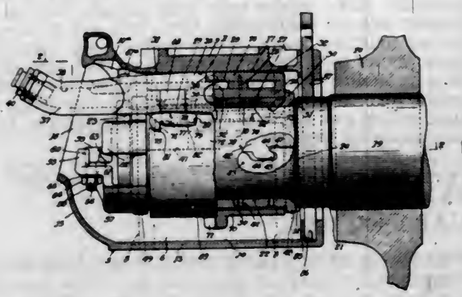
21,330

JOURNAL BEARING

William Hunter Heckman, Chicago, Ill.

Original No. 2,072,168, dated March 2, 1937, Serial No. 622,692, July 15, 1932. Application for reissue May 25, 1938, Serial No. 209,858

29 Claims. (Cl. 308—79)



1. In a journal bearing, in combination, a box or housing having an opening at one end and adapted to receive a journal, a bearing block in said box, a revoluble floating sectionalized bushing member surrounding the journal and provided with annular flanges radially extending to receive the bearing block, and means on said bushing including a wedge member for bringing the sections of said bushing into engagement with the journal.

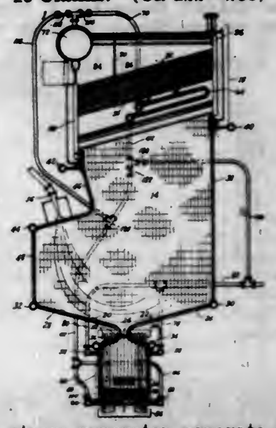
21,331

FURNACE

Lewis W. Heller, East Orange, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Original No. 2,087,972, dated July 27, 1937, Serial No. 532,768, April 25, 1931. Application for reissue August 12, 1938, Serial No. 224,642

19 Claims. (Cl. 122—235)



16. In a steam generator, separate combustion chambers in contiguous relation, a bank of water tubes including tubes defining one side of one combustion chamber and extending across its gas outlet, a superheater subject to the heat of the other, the combustion chambers being arranged for the products of combustion from both chambers to flow between the tubes of said bank defining a side of said one combustion chamber, other water tubes between the two chambers screening the superheater from the combustion in the one chamber, and means for firing each chamber independently whereby heat input to the superheater may be controlled with consequent control of superheat.

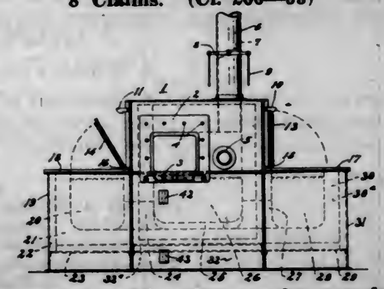
21,332

MELTING FURNACE

John J. Mader, Parma, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,074,115, dated March 16, 1937, Serial No. 256, January 3, 1935. Application for reissue November 3, 1939, Serial No. 302,751

8 Claims. (Cl. 266—33)



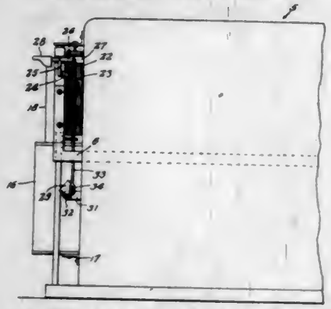
1. A metal melting furnace for non-ferrous metals having a melting chamber, means for supplying heat to said chamber including a

burner adapted to impinge a flame against a wall of the melting chamber, said furnace having an opening located in a wall opposite to the first-named wall of the melting chamber for the supplying of metal to the melting chamber, and means for supporting a supply of metal to be fed to the furnace in a position adjacent to the stated opening so that such metal is subjected to radiant heat from the interior of the furnace.

21,333
TOASTING APPARATUS

Clayton W. Malmquist, Minneapolis, Minn.
Original No. 2,101,504, dated December 7, 1937, Serial No. 114,047, December 3, 1936. Application for reissue March 7, 1938, Serial No. 194,511

6 Claims. (Cl. 219—19)



4. A toasting device having in combination, a casing, a vertically shiftable bread rack within said casing, said casing having openings through which slices of bread may be placed in said rack, means connected to said bread rack normally urging the same upwardly to toast-ejecting position, electro magnetic means mounted on said casing and operatively connected to said bread rack for moving the same downward to toasting position, an electrical circuit including said electro magnetic means and a control means for said circuit by which the time of action of said electro-magnetic means may be determined and governed.

21,334
CHECK VALVE

Forrest S. White, Hoosick Falls, and Claude G. Bordeaux, Albany, N. Y.
Original No. 2,068,833, dated January 26, 1937, Serial No. 712,372, February 21, 1934. Application for reissue May 11, 1938, Serial No. 207,322

4 Claims. (Cl. 137—69)

4. In a check valve, a valve housing open at one end provided at said end with a peripheral seat, an insert receivable within said housing and comprising a body portion provided with a longitudinally extending passage and having a first seat engageable with said seat on said housing, said body portion being inclined at its end opposite to said first seat, a valve seat surrounding the orifice of said passage at such inclined end, a valve member mounted on the inclined end of said body portion and adapted to fall by gravity against said valve seat when the parts are in correct relative positions, the interior of said housing being provided with means interengageable with the forward inclined end of said insert when the seat on said insert engages said seat on said housing and constructed and arranged to prevent relative rotation between said insert and said housing when said seat on said insert engages said seat on said housing.



21,335
PROCESS FOR EXTRACTING ORES AND THE LIKE

Adriaan Cornelis van Es, Huizen, Netherlands, assignor of one-half to N. V. Maatschappij voor Zwavelzuurbereiding Voorheen G. T. Ketjen & Co., Amsterdam, Netherlands
Original No. 2,142,926, dated January 3, 1939, Serial No. 118,685, December 31, 1936. Application for reissue August 3, 1939, Serial No. 288,247. In the Netherlands December 24, 1935

9 Claims. (Cl. 75—119)



1. The process of extracting from their oxide and silicate ores and from their roasted sulfids, metals chosen from the group of metals having a lower heat of combustion than iron, which comprises subjecting said ores for at least twenty minutes at a temperature of at least 400° C. to the action of a reducing gas containing steam in such amount that only metals having a lower heat of combustion than iron are reduced to the metallic state, while iron and metals having a higher heat of combustion than iron are retained in an oxidized state, then cooling said reduced ores for at least fifteen minutes in the presence of a reducing gas consisting of carbon monoxide and hydrocarbons and then treating the reduced and cooled ore with an extracting electrolyte and atmospheric oxygen.

PLANT PATENTS

GRANTED JANUARY 23, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

355
GERANIUM

Charles A. Brown, II, Hinsdale, Ill., assignor to Hinsdale Cemetery Company, Hinsdale, Ill., a corporation of Illinois
Application October 31, 1938, Serial No. 238,103

1 Claim. (Cl. 47—60)

A new and distinct variety of geranium characterized by a flower having irregularly or unequally crenate petals.

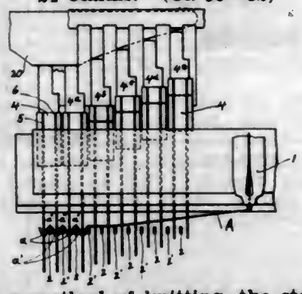
PATENTS

GRANTED JANUARY 23, 1940

2,187,715
METHOD OF AND APPARATUS FOR KNITTING

Kurt Waechtler, Philadelphia, Pa.
Application September 1, 1936, Serial No. 98,853

24 Claims. (Cl. 66—82)

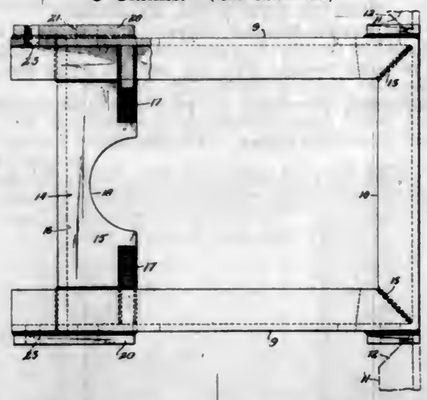


15. In a method of knitting, the steps which include bending yarn to simultaneously form to equal size on opposite sides of a needle a pair of bights of yarn having a common plane transverse to the needle axis and connected by an open loop having legs engaging said needle on opposite sides thereof and knitting the bent yarn by drawing loops in a direction transverse to said plane.

2,187,716
SPREADER

Edgar Washburn, Baltimore, Md., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware
Application December 5, 1938, Serial No. 244,030

8 Claims. (Cl. 308—43)



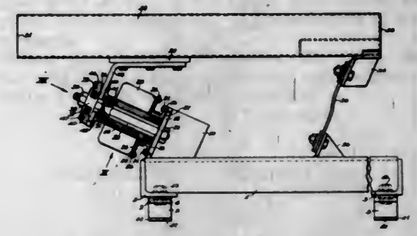
1. A rolled steel spreader having channel stock side and inner end members, an angle stock outer end member welded against the bottom flanges of the side members, and machining pads welded to the outer faces of the side members.

2,187,717
VIBRATORY ELECTRICAL APPARATUS

Carl S. Weyandt, Pittsburgh, Pa.
Application October 21, 1936, Serial No. 106,851
In Great Britain November 8, 1935

13 Claims. (Cl. 198—220)

2. A vibratory conveyor comprising a conveyor trough, resilient means for supporting said trough for unobstructed vibration, an electromagnet adjacent thereto, a source of alternating current, and static rectifier means unaffected by



the amplitude of vibration of the conveyor trough for selecting current impulses separated by substantial periods of zero current from the alternating current source for actuating said electromagnet to vibrate said conveyor trough.

2,187,718
RICE PRODUCT AND PROCESS

Paul C. Wilbur, San Jose, Calif.
No Drawing. Application June 22, 1938, Serial No. 215,229

12 Claims. (Cl. 99—186)

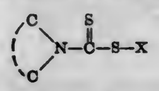
1. The process of preparing a canned rice product that comprises cooking from 9% to 12% of dry rice in from 30% to 40% fruit pulp of an acid character at a temperature of substantially 212° F. for a period of from 12 to 30 minutes to modify the starch content of the rice by partial inversion to dextrins, canning the resulting mixture, and sterilizing the canned mixture at a temperature not exceeding 212° F., the proportions of the rice and the fruit pulp providing a pH value of the sterilized mixture below 4.5.

2,187,719
DERIVATIVE OF HEXAMETHYLENE-DI-THIO-CARBAMIC ACID

Ira Williams, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1938, Serial No. 212,978

9 Claims. (Cl. 260—239)

1. A dithio-carbamic acid derivative having the formula

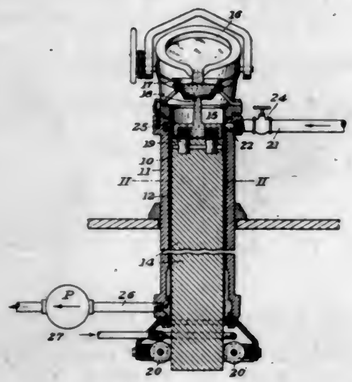


in which the group



represents a saturated carbon chain of 6 carbon atoms, the terminal carbon atoms of which are singly bonded to N, and in which X represents a member of the group consisting of salt-forming elements, salt-forming groups and organic radicles.

2,187,720
METHOD AND APPARATUS FOR CONTINUOUS METAL CASTING
Edward R. Williams, Latrobe, Pa., assignor, by mesne assignments, to himself and Julia Lee Cox Williams, Latrobe, Pa.
Application February 2, 1939, Serial No. 254,195
9 Claims. (Cl. 22—57.2)



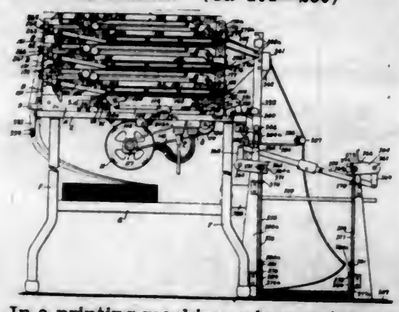
1. In the method of casting metal in a molding tube of high thermal conductivity which is cooled by a sheet of liquid flowing through a chamber and in contact with the outer wall of the tube, the step of supplying liquid to the chamber under pressure and controlling the pressure of the liquid exerted on the tube wall by means of suction exerted on the outflowing liquid.

2,187,721
THREE-DIMENSIONAL ARTICLE FORMED OF SHEET MATERIAL
William Wolfson, Sunnyside, Long Island, N. Y.
Application March 7, 1938, Serial No. 194,279
18 Claims. (Cl. 40—126)



1. An article of the character described comprising a normally flat body member adapted to be bent into a three-dimensional form, wing members overlapping the body member, one of said wing members being hingedly connected near one of its edges to the body member and being interconnected near another of its edges with another of said wing members to cause a portion of the first mentioned wing member intermediate said edges to move into a three-dimensional form when the body member is bent into three-dimensional form.

2,187,722
PRINTING MACHINE
Clayton E. Wyrick, Wyandotte, Mich.
Application August 29, 1936, Serial No. 98,514
48 Claims. (Cl. 101—260)

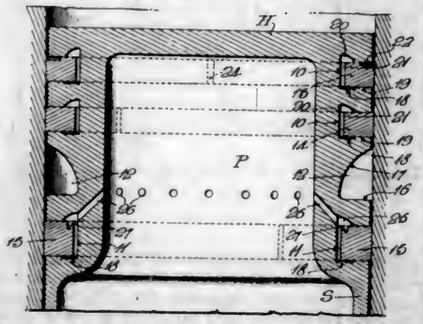


1. In a printing machine, a base unit including an aligning chamber with an aligner slidably mounted therein and a printing plate support mounted thereon.

2,187,723
PRIMARY XENOXY-ALKYL AMINES
Francis N. Alquist and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 27, 1938, Serial No. 221,606
6 Claims. (Cl. 260—571)

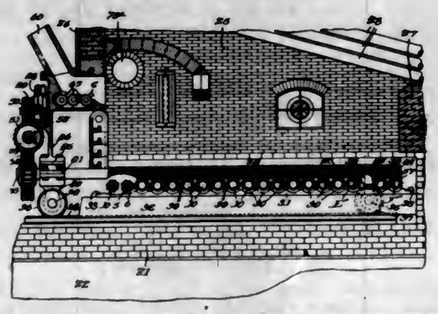
1. A compound selected from the group consisting of (1) primary amines having the formula R—O—R'—NH_2 wherein R represents a xenyl radical and R' represents a lower alkylene group, and (2) the hydrochlorides thereof.

2,187,724
PISTON AND RING ASSEMBLY
Preston Brooks Blocker, Silver City, N. Mex., assignor of twenty-five per cent to Herman Howie Uhli and twenty-five per cent to John Henry Shettler, both of Silver City, N. Mex.
Application November 30, 1936, Serial No. 113,456
Renewed March 28, 1939
13 Claims. (Cl. 309—7)



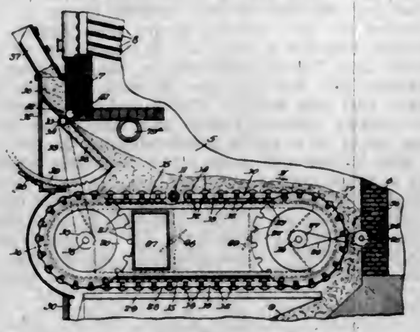
1. An oil controlling piston-and-ring-assembly comprising a skirted piston having a compression ring groove near its head, an oil ring groove spaced downwardly from said compression ring groove, and a gas pressure groove between said compression ring groove and said oil ring groove, compression and oil rings in said compression and oil ring grooves respectively, said oil ring groove having a channel in its inner upper corner into which said oil ring upwardly throws oil at the end of each upward stroke of the piston, the lower part of said oil ring groove being entirely closed against direct communication with the interior of the piston to receive no upwardly thrown oil therefrom, the piston skirt being provided with oil passages through which the upwardly thrown oil discharges from said channel, said oil passages extending upwardly and inwardly from said channel through said skirt.

2,187,725
FURNACE STRUCTURE
Francis H. Brown, Ridley Park, Pa., assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application December 21, 1922, Serial No. 608,228. Divided and this application October 22, 1934, Serial No. 749,433
6 Claims. (Cl. 110—35)



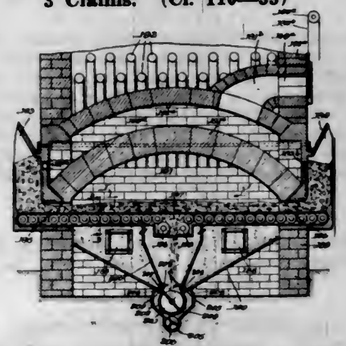
1. A tubular grate bar provided on the outer surface thereof with a plurality of intersecting ridges lying in a cylindrical surface and forming a plurality of polygonal depressions, and radial draft openings through the wall of said grate bar in each of said depressions.

2,187,726
STOKER
Francis H. Brown, Ridley Park, Pa., assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application December 21, 1922, Serial No. 608,228. Divided and this application October 22, 1934, Serial No. 749,434
10 Claims. (Cl. 110—40)



1. In a device of the character described, in combination, an endless series of grate bars, a supporting frame therefor affording a complete perimeter, said grate bars being revoluble on relatively fixed individual axes and movable as a unit about the perimeter of said frame, means for moving said bars about said frame, and cooperating means on said frame and on said grate bars for continuously rotating said grate bars during the movement thereof about said frame.

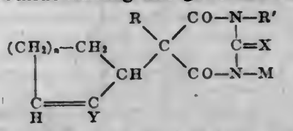
2,187,727
STOKER
Francis H. Brown, Ridley Park, Pa., assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application December 21, 1922, Serial No. 608,228. Divided and this application October 22, 1934, Serial No. 749,435
3 Claims. (Cl. 110—35)



1. In a furnace structure, in combination, a grate structure comprising a plurality of series of rotatable grate bars and means for rotating said grate bars, said bars being adapted to receive fuel at the end portion of each series and to deliver the fuel during consumption to the medial portion of said grate structure, and to remove the fine ash during consumption, and ash collecting and conveying means associated with said grate, adapted to maintain the fine ash removed by the grate structure separate from the fuel residue delivered to the medial portion of the grate structure.

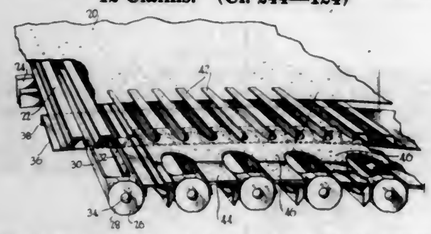
2,187,728
BARBITURIC ACIDS
Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibbs & Sons, New York, N. Y., a corporation of New York
No Drawing. Application August 24, 1937, Serial No. 160,605
6 Claims. (Cl. 260—257)

1. Compounds having the general formula



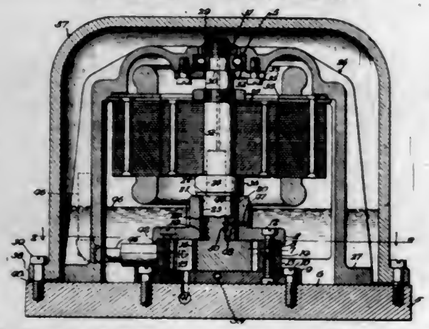
wherein n represents one of the numerals 1 and 2, R represents a member of the class consisting of alkyl, alkenyl, monocyclic aryl, and monocyclic aralkyl, R' represents a member of the class consisting of hydrogen, alkyl, and alkenyl, X represents a member of the class consisting of O and S, M represents a member of the class consisting of hydrogen, alkali metals, alkaline-earth metals, and organic ammonium radicals, and Y represents a halogen.

2,187,729
AIRPLANE WING
Renato Contini and William L. Dieter, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 12, 1938, Serial No. 218,748
12 Claims. (Cl. 244—124)



1. A sectional wing attaching means comprising in combination with a stressed skin structure having a smooth skin and underlying corrugated member, a plurality of spaced stirrups arranged with their spaced side portions adjacent the side portions of the adjacent stirrups and aligned with and perpendicular to the section end, and means for securing said stirrups to said wing.

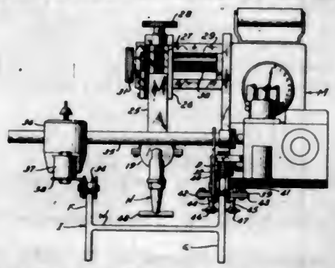
2,187,730
ROTARY PUMP
William Ward Davidson, Evanston, Ill.
Application September 4, 1936, Serial No. 99,411
10 Claims. (Cl. 230—146)



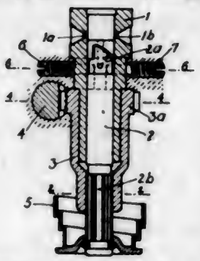
1. In a rotary pump, pump members including a hollow cylindrical member, a piston member mounted therein in eccentric tangential relation, end plates rigidly secured to one of said members to form wtih the other a pump chamber, a partition for the chamber associated with the end plates and the member to which they are secured, said partition being immovably fixed relatively thereto, one of said pump members being stationary and the other movable, means for causing the movable pump member to move relative to the stationary member to produce a pumping action within the pump chamber, and bearing means including a shank rigid with the movable pump member and extending outside of the space between the end plates whereby ample support may be provided for the shank to directly take the force of compression.

2,187,731
FLAME CUTTING METHOD AND MACHINE
Arthur W. Davis, Lakewood, Ohio, assignor to The Linde Air Products Company, a corporation of Ohio
Application April 24, 1937, Serial No. 138,713
7 Claims. (Cl. 266—23)

1. A method of cutting an I-beam or the like longitudinally, comprising supporting an apparatus on the flanges of the beam; propelling the apparatus along the flanges during the cutting operation; guiding the apparatus by rolling contact with at least one flange of the beam; projecting a jet of oxidizing gas from the propelled apparatus against the web of said beam; and projecting a cooling spray upon the cut edges immediately behind the jet of oxidizing gas so as to prevent distortion of the beam.

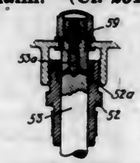


2,187,732
FUEL INJECTION PUMP FOR DIESEL ENGINES
Kalman John De Juhasz, State College, Pa.
Application February 14, 1936, Serial No. 63,933
1 Claim. (Cl. 103—41)



In a fuel injection pump in combination, a body, a barrel inserted into the said body, a plunger operating within said barrel as a pump for the pressure delivery of fluid, inlet and by-pass ports on the barrel and co-acting edges on the plunger controlling the beginning and end of fluid delivery, a control-sleeve coaxially surrounding a portion of said barrel, said barrel having stepped outside diameters along its length, the diameter of said barrel fitting into said body being larger than the diameter of the adjoining portion of said barrel which is surrounded by said control-sleeve, two axially extending notches formed on that portion of said barrel that fits into said body, said notches extending into the shoulder formed between said larger and said smaller diameter barrel portions, two screws threaded into said body the screw axes being in a plane perpendicular to the axis of said barrel and each screw abutting with its end against one of said notches on said barrel, said screws being capable of rotating said barrel in opposite senses around the axis of said barrel with reference to said body for the purpose of fine adjustment of the quantity of delivery, the ends of said screws being outside of the smaller diameter of said barrel adjoining to that larger diameter which fits into said body whereby endwise removal and replacement of said barrel into said body becomes possible upon loosening one of said screws and without disturbing the setting of said barrel as fixed by the other screw.

2,187,733
VALVE
Kalman John De Juhasz, State College, Pa.
Application January 8, 1937, Serial No. 119,569
1 Claim. (Cl. 251—50)



In a valve, a bonnet member provided with a bore, a stem in said bore, the upper extremity of said bore terminating in a packing recess of greater diameter than said bore, said recess having its outer end closed by a gland member surrounding said stem and threaded in the upper end of said recess, a packing bore in said stem communicating at one extremity with said recess and terminating at its upper extremity in a threaded passage, a threaded plug in said passage, packing in said packing recess and in said packing bore, said threaded plug contacting the packing in said packing bore, whereby turning of said plug will compress the packing in said packing bore and in said packing recess.

2,187,734
WAX COVERING FOR FOOD PRODUCTS
Edward C. Ennis, Chicago, Ill.
No Drawing. Application February 25, 1938, Serial No. 192,580
8 Claims. (Cl. 99—166)

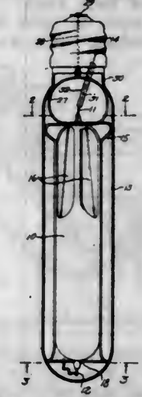
5. The combination with a solid food product of a removable, flexible, moisture resistant, stable protective coating comprising, a ductile and tacky inner layer in intimate contact with said product consisting essentially of amorphous petroleum wax, a relatively firm and non-tacky outer layer consisting essentially of paraffin wax and an intermediate portion in which said layers are blended together, said coating being sufficiently flexible and thick and said inner layer being sufficiently ductile and tacky that said coating can be peeled from said product.

2,187,735
CONTAINER
George C. Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 12, 1938, Serial No. 240,160
4 Claims. (Cl. 221—62)



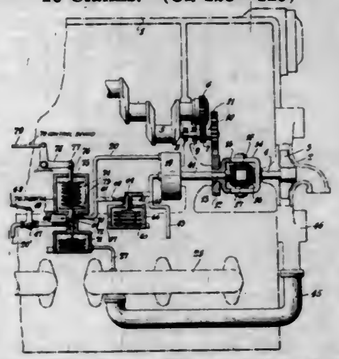
1. A self-closing dredge top can closure comprising a nozzle section having vertical walls and a flat top, the latter being cut through with sifter perforations, a slide member located in sliding position on said nozzle section, said slide member having vertical walls and a flat top which engages the flat top of said nozzle, said sliding member flat top having sifter perforations which normally are out of register with said nozzle perforations, and a spring element interposed between said nozzle and slide and yieldably maintaining the closure in its closed condition, said slide member being movable under digital pressure applied to a said vertical slide wall and against the action of said spring element to bring said nozzle and slide perforations into register to provide for sifter dispensing of the contents of the can.

2,187,736
ELECTRICAL DISCHARGE DEVICE
Edmund Germer, Berlin-Wannsee, Germany
Application April 13, 1937, Serial No. 136,539
In Germany February 22, 1936
7 Claims. (Cl. 176—122)



1. A gaseous electrical discharge device comprising spaced arcing electrodes, an envelope closely surrounding a discharge path between the electrodes, a material within the envelope adapted to provide a gaseous atmosphere for the discharge, and a cooling fluid outside said envelope which is characterized by the envelope having upwardly directed channels near its top for flow of convection gases and giving it a greater average convection area per unit length near its top than near its bottom, whereby to counteract by increased cooling the tendency of convection in the discharge carrying gas to concentrate heat from the discharge in the upper part of the envelope.

2,187,737
VARIABLE SPEED SUPERCHARGER DRIVE
Alfred T. Gregory, Farmingdale, N. Y., assignor to Ranger Engineering Corporation, Farmingdale, N. Y., a corporation of Delaware
Application September 11, 1936, Serial No. 100,307
16 Claims. (Cl. 123—119)



1. In combination with an internal combustion engine, a supercharger connected to the in-

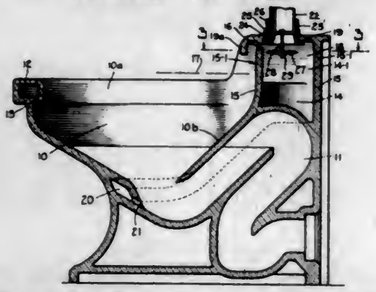
take thereof and having an impeller, a flexible and infinitely variable speed drive, within limits, between said engine and the impeller of the supercharger, a fluid brake for controlling the speed of said drive, a fluid pressure supply pipe leading to said brake, and a plurality of valves in said pipe for jointly controlling the retarding action of said brake to cause said drive to vary the speed of said impeller.

2,187,738

SANITARY APPARATUS WITH AIR GAP

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application February 9, 1939, Serial No. 255,401
8 Claims. (Cl. 4—69)



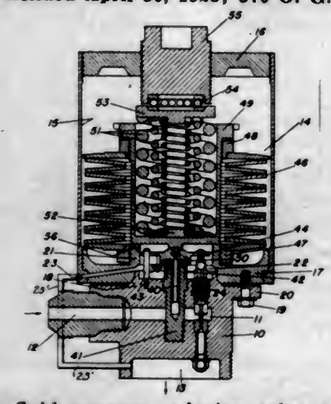
1. In combination with sanitary apparatus, a sanitary receptacle adapted to be flushed; a hollow upstanding portion extending well above the overflow spill level of the receptacle and forming a chamber for the distribution of flushing liquid to the receptacle; inflow means for flushing water communicating with said chamber at the top of said hollow upstanding portion and forming a valve seat thereat; an air gap formed in the upper part of said hollow upstanding portion and communicating with said chamber; and a valve element, normally maintained in open position by gravity, and adapted to seat over said inflow means by the force of suction effective through said inflow means.

2,187,739

FLUID PRESSURE REDUCING VALVE

Donald L. Hay, deceased, late of Washington, D. C., by Matilda K. Hay, executrix, Washington, D. C.

Application July 8, 1938, Serial No. 218,121
11 Claims. (Cl. 50—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



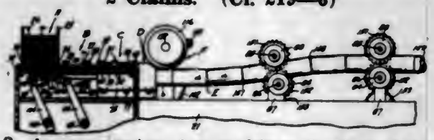
1. A fluid pressure reducing valve comprising a high pressure chamber adapted to be communicably connected with the high pressure side of a fluid pressure system, a low pressure chamber adapted to be communicably connected with the low pressure side of said system, a plurality of main valve units for controlling communication between said chambers, pilot valve means for controlling the operation of said main valve units and means responsive to the pressure of the fluid in said low pressure chamber for actuating said pilot-valve means in sequence.

2,187,740

APPARATUS FOR PRODUCING CAN BODIES

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 9, 1936, Serial No. 78,915
2 Claims. (Cl. 219—6)



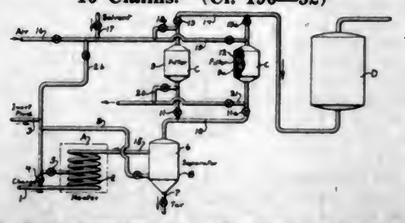
2. An apparatus for making sheet metal can bodies having non-extrusion welded side seams, comprising a mandrel for interiorly supporting a can body, rotating welding elements for welding the side seam of said body while on said mandrel, means for bringing a second and unwelded can body into end engagement with the can body being welded and for presenting the same to said welding elements while in such end engagement so that both bodies are tacked together in a single line of weld, said mandrel being continuous and having an intermediate portion at a point remote from said welding elements disposed at an angle to the normal axis of the mandrel to adapt the same for first bending across said tacked connection to weaken the same and then bending in the opposite direction across said tacked connection to break the same in a clean line of severance, whereby to separate said can bodies from one another as the same are moved along and supported by said mandrel.

2,187,741

TREATMENT OF HEAVY HYDROCARBON MATERIAL

Eugene J. Houdry, Rosemont, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application January 15, 1936, Serial No. 59,264
10 Claims. (Cl. 196—52)



10. In apparatus for effecting separation of unvaporized materials from a mixture of vaporous hydrocarbons and unvaporized material, a vessel providing two separation zones in superposed and fluid communicating relation through a short passageway, a partition defining the upper limit of the first zone and the lower end of the second zone, a contact mass in said second zone, an inlet connection in a side wall of said first zone for admitting thereto a mixture of vaporous hydrocarbons and unvaporized material, a connection below said inlet connection for withdrawing unvaporized material from said first zone, means including a duct within said first zone for conducting a stream of vapors and entrained unvaporized material from said first zone to said second zone, a conduit connected to said duct for admitting a controlled amount of fluid containing free oxygen to the latter, and an outlet connection for vapors in the upper portion of said second zone.

2,187,742

LUBRICANT

James W. Johnson, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application May 12, 1938, Serial No. 207,508
6 Claims. (Cl. 87—9)

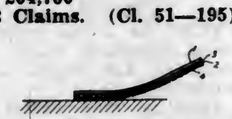
1. A lubricant comprising a hydrocarbon oil and a small amount of a urethane.

2,187,743

GRANULAR COATED ARTICLE

Henry P. Kirchner and Charles E. Wooddell, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Continuation of application Serial No. 719,173, April 5, 1934. This application April 28, 1938, Serial No. 204,760
3 Claims. (Cl. 51—195)



1. A granular coated article comprising a flexible disc of continuous sheet spring metal having an abrasive coated fabric attached thereto by a flexible resin cement, said disc having sufficient flexibility to permit it to be flattened over an appreciable area at and near the periphery when applied to a workpiece at an angle under pressure and sufficient resilience to cause it to return to a plane surface when the pressure is removed, and said cement having sufficient flexibility to permit the disc to be repeatedly flexed without impairing the attachment of the fabric to the metal.

2,187,744

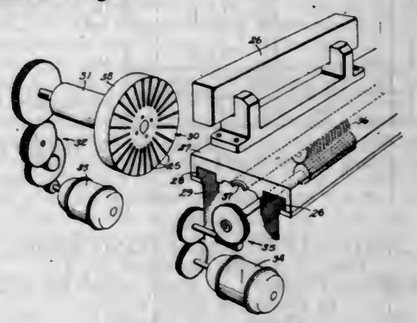
METHOD OF AND APPARATUS FOR FACE MILLING

Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application April 9, 1937, Serial No. 135,836
20 Claims. (Cl. 90—18)

1. The method of milling a work piece to form a plane surface thereon which comprises removing metal from spaced arcuate zones of the work in thin slices progressing from the rough surface down to the final surface and extending parallel to the latter with each zone converging toward said final surface, and removing metal from the intervening work zones by cutting thin slices inclined relative to said first mentioned slices and progressing toward said final surface.

9. For removing metal from a work piece to form a plane surface thereon, a face milling machine comprising, in combination, a power rotated cutter having one or more sets of cutting edges arranged in spiral helical formation respectively disposed in planes spaced along the axis of the cutter, a second series of cutting edges on said cutter each associated with the outer end of one of said first mentioned edges and extending at an angle relative thereto, means for supporting a work piece for engagement successively by said first mentioned edges, and mechanism for relatively feeding said cutter and work piece continuously and through a distance per revolution of the cutter greater than the effective individual radial length of the first mentioned edges multiplied by the number of said spiral sets of first mentioned edges.



12. A cutter adapted to machine a plane surface on a work piece when the cutter is rotated about its axis and is relatively fed in a direction parallel to said surface, said cutter comprising a rotatable body and a series of cutting edges extending in spiral helical formation through substantially more than a revolution around an end face of said body and disposed in planes approximately perpendicular to the axis of the body with the initial cutting edge toward the periphery of the body.

2,187,745

PROCESS FOR HYDROGENATING AMIDES AND IMIDES TO AMINES

Wilbur A. Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 1, 1934, Serial No. 742,476
8 Claims. (Cl. 260—319)

7. The process which comprises bringing a compound selected from the class consisting of amides and imides under catalytic hydrogenation conditions at a temperature of at least about 225° C. and at a pressure of at least 10 atmospheres, while in contact with a hydrogenation catalyst containing nickel as an essential catalytic component.

2,187,746

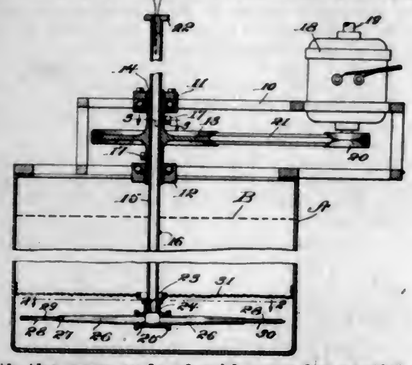
MACHINE FOR AERATING WATER

Lorin Lefevre, Great Falls, Mont.

Application April 25, 1938. Serial No. 204,170
1 Claim. (Cl. 261—87)

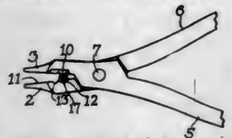
An apparatus of the kind described comprising a water container, a tubular rotatable air supply means extended into the container, open end oppositely disposed tubular air distributing arms fitted with said means, being reversely curved to each other in a horizontal plane and arched toward the lead side of each arm, and knife edged blades forming continuations of the arms at their open ends and meeting the curvature of

said arms tangentially on the lead sides thereof and having grooves in the heel edges merging



with the open ends of said arms for partial suction action at the said heel edges.

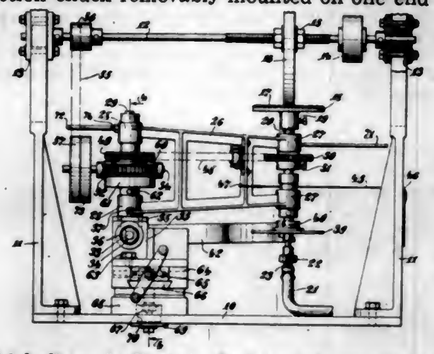
2,187,747
ORTHODONTIC ADJUSTING TOOL
John A. Linde, Brooklyn, N. Y.
Application February 5, 1936, Serial No. 62,502
In Germany April 5, 1935
1 Claim. (Cl. 32—66)



An orthodontic appliance adjusting tool of the character described, comprising in a pair of pliers having a pair of opposite jaws, both jaws being recessed upon one side, a beveled edge upon one of said jaws and a flat portion upon the corresponding opposite part of the other jaw, there being a transverse recess in the flat portion upon the one jaw adapted to receive an orthodontic arch wire therein and a pair of spaced clearance recesses serving as clearance portions upon said beveled edge on the other jaw determining the length of a portion of the beveled edge which is located opposite the transverse recess in said flat portion on said one jaw.

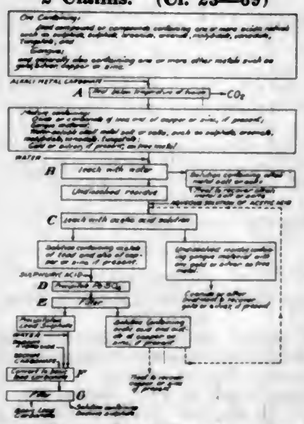
2,187,748
GLASS BEVELING MACHINE
Anthony Macellaro and Anthony Tornese, Brooklyn, N. Y.
Application October 1, 1938, Serial No. 232,752
2 Claims. (Cl. 51—101)

1. A glass beveling machine, comprising a substantially horizontally journalled shaft, a glass working wheel on said shaft, a support mounted for angular adjustment about a substantially horizontal axis and means for securing said support in different positions of angular adjustment, a spindle carried by said support and adapted to be rigidly held thereby in substantially horizontal or in substantially vertical position, a bracket mounted on said spindle, means for securing said bracket in different angular relations about said spindle, a shaft journalled in said angularly adjustable bracket spaced from and substantially at right angles to the axis of said spindle, a worm on said shaft, a worm gear journalled on the spindle in opposition to said worm and engaged thereby, drive connections from the substantially horizontal glass working wheel shaft to said worm shaft, a frame journalled to swing on said spindle, a tubular shaft journalled to rotate in the free swinging end of said frame, in substantial parallelism with said rigid supporting spindle, a glass blank holding suction chuck removably mounted on one end of



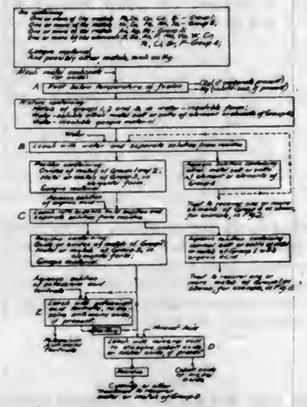
said hollow shaft, swivelled suction connections on the opposite end of said hollow shaft, a pattern cam removably mounted on said latter end of said hollow shaft an abutment for said cam carried by said angularly adjustable support and drive gearing from said worm gear journalled on the spindle to said hollow chuck shaft journalled in the swinging frame.

2,187,749
MANUFACTURE OF LEAD COMPOUNDS
Orrin F. Marvin, Glendale, Calif., assignor to Marvin Metals, Inc., Los Angeles, Calif., a corporation of California
Application June 25, 1935, Serial No. 28,384
2 Claims. (Cl. 23—69)



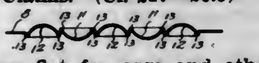
1. The method of making finely divided lead carbonate from an ore containing a compound of lead with an acidic radical, associated with gangue material, which comprises: heating such an ore, in divided condition, with an alkali metal compound selected from the group consisting of alkali metal carbonates and oxides, at a temperature below the temperature of fusion of the mass, to convert the lead to a compound difficultly soluble in water but soluble in an organic acid capable of forming a water-soluble normal lead salt, and to convert the acidic radical into a water-soluble salt of said alkali metal; dissolving said water-soluble alkali metal salt in water; separating the resulting solution of said alkali metal salt from the undissolved material including the last-named lead salt and gangue material; then treating said undissolved material with an aqueous solution of such an organic acid in sufficient amount to combine with substantially all the lead present in said last-named lead compound and form said normal salt of lead with the acidic radical of said acid, and to produce an aqueous solution containing said normal lead salt; separating the last-named solution from undissolved gangue material; adding sulphuric acid to said last-named solution, to precipitate lead sulphate in finely divided condition by reaction of said sulphuric acid with said normal lead salt; separating the precipitated lead sulphate from the remaining solution; and bringing said precipitated lead sulphate into contact with an aqueous solution containing an alkali metal carbonate to cause formation of lead carbonate in finely divided condition.

2,187,750
TREATMENT OF ORES
Orrin F. Marvin, Los Angeles, Calif., assignor to Marvin Metals, Inc., Los Angeles, Calif., a corporation of California
Application July 31, 1936, Serial No. 93,650
17 Claims. (Cl. 75—101)



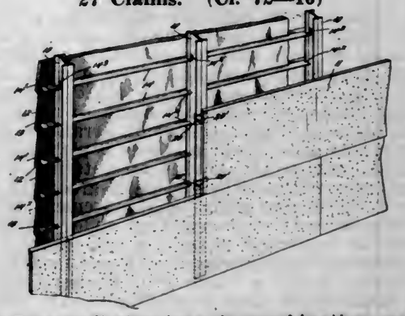
1. The method of treating an ore containing a metallic element and also containing a plurality of other elements each capable of forming a water-soluble alkali metal salt by reaction with an alkali metal compound selected from the group consisting of alkali metal carbonates and oxides, which comprises: heating such an ore in divided condition, at a temperature below the temperature of fusion, with an alkali metal compound selected from said group, in sufficient amount to react substantially completely with all of said other elements to cause formation of water-soluble alkali metal salts of all of said other elements, and to form a mass containing said salts and also containing said metallic element in a form substantially insoluble in water; leaching said mass with water to dissolve said alkali metal salts, and separating the resulting solution from the undissolved residue containing said metallic element; treating said solution to separate one of said other elements therefrom while leaving another of said other elements dissolved therein, and then treating the remaining solution to recover the last-mentioned other element therefrom.

2,187,751
FILLER AND FLAT FOR CONTAINERS
Kitchener K. Newsom, San Francisco, Calif.
Application August 3, 1936, Serial No. 93,993
3 Claims. (Cl. 217—26.5)



1. A packing flat for eggs and other fragile globular articles, comprising a relatively flat rectangular sheet, a set of permanent concavo-convex distortions on the sheet, the concave sides of the distortions forming seats for the ends of articles on one side of the sheet, said concavo-convex distributions being disposed in rows parallel to the edges of said sheet, a set of convexo-concave distortions disposed diagonally adjacent said concavo-convex distortions and disposed in rows staggered with respect to said first mentioned rows of distortions, the rows of distortions along diagonal lines being alternately concavo-convex and convexo-concave, the concave sides of said convexo-concave distortions facing oppositely to the concave sides of said first mentioned distortions to form seats for the ends of articles on the other side of the sheet, all of said distortions protruding beyond the plane of the respective faces of the sheet, and an annular bead around the rim of each seat, each bead extending on the opposite side of the plane of the flat from the seat which it defines and being of larger diameter than that of the portion of the articles resting in the respective seats.

2,187,752
BUILDING STRUCTURE
Anders C. Olsen, Ambler, Pa.
Application July 7, 1936, Serial No. 89,423
Renewed October 24, 1938
27 Claims. (Cl. 72—16)

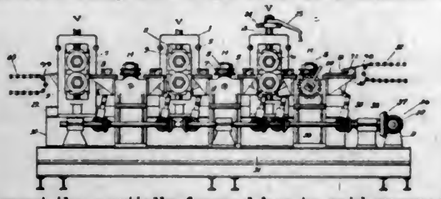


1. In a wall structure, in combination, spaced vertically extending studs, tiers of horizontally extending clapboards in overlapping relationship, and means associated with each clapboard for attaching the same to the studs, said means including securing elements detachably connected to the clapboards and detachably connected to the studs.

2,187,753
METHOD OF AND APPARATUS FOR ROLLING BLANKS
Arthur C. Ruden, Euclid, Ohio, assignor to Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio
Application July 8, 1938, Serial No. 218,141
Renewed April 14, 1939
12 Claims. (Cl. 80—26)

3. The process of die rolling which consists in passing a bar of metal successively through a plurality of sets of rolls, clamping said bar on a

support before the bar has been completely discharged from the first set of rolls and while the support is moving at the same speed as the peripheral speed of said first set of rolls, shifting said support in synchronism with the rotation of the succeeding set of die rolls in a manner to



present the partially formed bar to said succeeding set of die rolls, and releasing said bar after said succeeding set of rolls has assumed control thereof and while the bar is moving at the same speed as the peripheral speed of said succeeding set of die rolls.

2,187,754

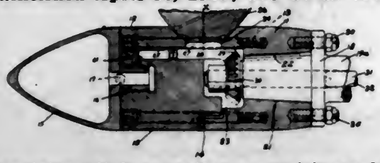
VARIABLE PITCH PROPELLER

Robert J. Ruths, Baltimore, Md., and Harry L. Dodson, United States Navy

Application August 12, 1938, Serial No. 224,525

1 Claim. (Cl. 170—163)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A variable pitch propeller comprising a hollow drive shaft; a hub carried by said shaft; a blade mounted on said hub for rotatable adjustment about a radially extending axis; a quill shaft extending through said drive shaft and operatively connected with said blade to rotate the same about said axis, a housing arranged coaxially of said drive shaft; a two-part plate secured to said housing and having an internal flange engageable with a circumferential groove in said drive shaft for preventing axial movement of said housing on said drive shaft; a collar keyed to said drive shaft and secured to said housing for preventing rotative movement of said housing on said drive shaft; a worm gear disposed within said housing and fixed to said quill shaft; planetary gear mechanism carried by said housing and intermeshing with said worm gear; a ring gear mounted on said housing and rotatable with respect thereto for rotating said planetary gear mechanism to rotate said worm gear and quill shaft in selected directions and at selected relative speeds with respect to said drive shaft, thus to adjust the pitch of said blade, and brake mechanism for controlling the rotation of said ring gear.

2,187,755

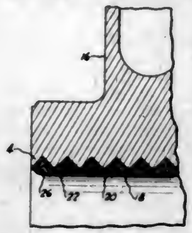
METHOD OF FORMING BEARINGS

Earle A. Ryder, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application December 11, 1936, Serial No. 115,377

15 Claims. (Cl. 29—149.5)

8. The method of forming bearings by an electroplating process which comprises, plating the bearing material receiving portion of a machine element with a layer of bearing material having an uneven outer surface, plating a layer of different bearing material on said first layer, increasing the number of layers of bearing material in a manner such that each layer has an uneven outer surface until the thickness of the plated



body of bearing material is greater than the required thickness of said body when in finished condition, and thus subjecting the plated portion of the machine element to mechanical operations to reduce such bearing material to required dimensions and a smooth surface.

2,187,756

METAL HEEL

Kathrine Schwellenbach, New York, N. Y.

Application February 10, 1939, Serial No. 255,759

6 Claims. (Cl. 36—34)



1. A metal heel for a shoe, comprising a strip of metal, said strip having portions bent around transverse axes and portions bent around longitudinal axes, a longitudinal channel formed thereby in the transversely curved strip, and a lift affixed at the base of said strip.

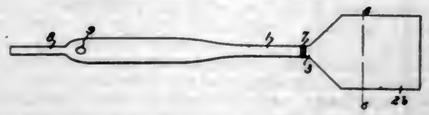
2,187,757

METHOD OF MANUFACTURING KITCHEN UTENSILS

William Scrimgeour, Washington, D. C., assignor to William Scrimgeour, Engineer and Contractor, Washington, D. C., a partnership composed of William Scrimgeour, Lula McA. Scrimgeour, C. Maxwell Scrimgeour, and C. Bailey Scrimgeour

Application February 1, 1938, Serial No. 188,211

6 Claims. (Cl. 76—105)



1. In the manufacture of kitchen utensils from steel, the process which comprises cutting off a length of bar stock of uniform transverse cross-section, working down said length of bar stock to form a handle blank having a thin relatively wide outer end and a thicker narrow inner end, forming a steel head blank with an inner end of substantially the thickness of the inner end of the handle blank, working the head blank to reduce the thickness towards the outer edge thereof, butt welding the inner ends of said blanks to each other, shaping the head blank to the size and form of a utensil, and surface finishing the assembly to smooth the weld joint and irregularities.

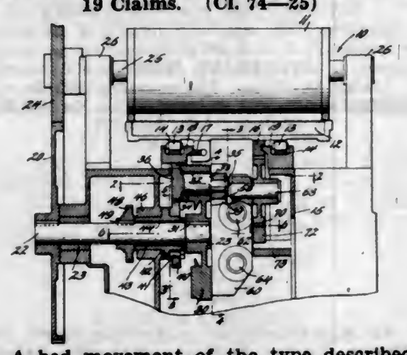
2,187,758

BED MOTION

Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey

Application July 7, 1938, Serial No. 217,994

19 Claims. (Cl. 74—25)



1. A bed movement of the type described in which the bed during its working and return strokes is reciprocated in a plane, comprising the combination with the bed and means for supporting the same for planar movement, of a driving element, a member rotatable at a constant angular velocity for moving said driving element without retracement along a cyclic path, transmission means for maintaining a constant operative connection between said driving element and said bed, and means operatively associated with said member for introducing certain variations in the angular velocity of said driving element, whereby said bed is caused to move at a substantially uniform linear velocity during portions of its cycle of reciprocation.

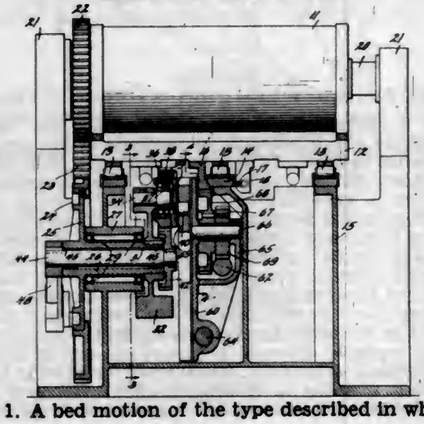
2,187,759

BED MOTION

Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey

Application July 7, 1938, Serial No. 217,995

11 Claims. (Cl. 74—27)



1. A bed motion of the type described in which the bed during its working and return strokes is reciprocated in a plane, comprising the combination with the bed and means for supporting the same for planar movement, of a driving element, means rotatable at a constant angular velocity and adapted to move said driving element without retracement along a cyclic path at a variable angular velocity, means maintaining a continual operative connection between said driving element and said bed, and means driven by said second named means and operatively connected with said driving element for introducing certain variations in the angular velocity of said driving element whereby the bed is caused to move during one of its strokes at a continually varying velocity and for the greater part of the other stroke at a substantially uniform velocity.

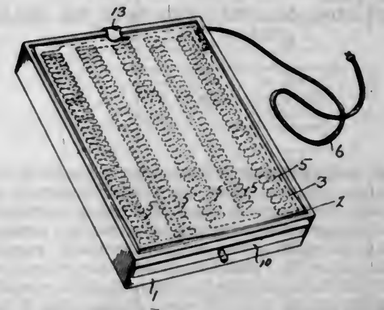
2,187,760

THERMAL MANIFOLDING APPARATUS

John Q. Sherman, Dayton, Ohio; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of said John Q. Sherman, deceased

Application May 4, 1936, Serial No. 77,722

23 Claims. (Cl. 282—1)



1. A manifolding device for use with superposed plies of record material and an interposed stratum of normally inert thermally responsive transfer media including a box-like container, the top of which forms a writing tablet, a partition within the container dividing the same into a heater compartment contiguous to the writing tablet and a storage compartment, and a heater means within said heater compartment, by which heat is transmitted to the transfer media for conditioning same preparatory to transfer of indicia by pressure thereon.

2,187,761

SLEEP CONTROL ALARM

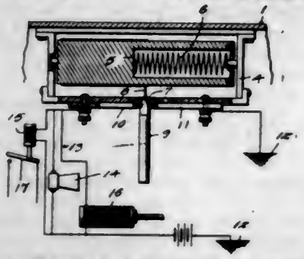
Robert G. Torrens, Poughkeepsie, N. Y., assignor of one-half to John Ruggiero, Poughkeepsie, N. Y.

Application May 11, 1937, Serial No. 142,041

2 Claims. (Cl. 200—153)

1. A sleep alarm comprising a bracket having an insulated portion provided with an opening, a self-winding drum rotatably supported by the bracket, a non-conductive flexible element secured to and wound on said drum and extending through the opening, fixed contacts mounted on and paralleling the insulated portion of the bracket, said fixed contacts positioned at opposite sides of the opening with the flexible element extending therebetween, an electric circuit having said contacts connected thereto and normally broken by said contacts and including an alarm, an elongated contact having one end

secured to the free end of the flexible element to be held by a person away from said fixed contacts and adapted to bridge the latter on the release thereof by relaxation of the person caused by sleep for closing said circuit and thereby bring about operation of the alarm.

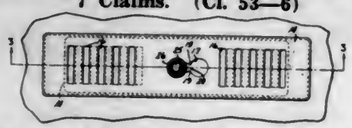


2,187,762

VENTILATING LOUVER FOR COOKING UTENSILS

Harry W. Uhlrig, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application April 20, 1939, Serial No. 268,964
7 Claims. (Cl. 53—6)



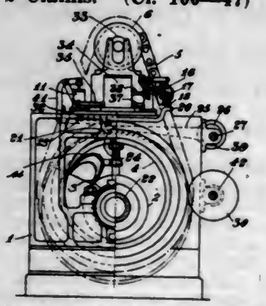
1. In combination, a cover for a cooking utensil having a plurality of openings therein, a substantially rectangular plate having a plurality of groups of openings adapted to cooperate with said openings in said cover, a knob movably mounted on said plate for relative vertical movement with respect thereto, means for detachably mounting said plate on said cover and means for slidably mounting said plate on said cover so that said openings in said cover and in said plate may be moved into and out of alignment to form a ventilating opening of a variable amount, and means interconnecting said two last mentioned means so that said plate may be moved from its detachable position to its slidable position or from its slidable position to its detachable position only when said knob is vertically moved relative to said plate.

2,187,763

PRESSING APPARATUS

Johan Daniel Ullgren, Stocksund, Sweden

Application December 14, 1936, Serial No. 115,739
In Sweden December 17, 1935
2 Claims. (Cl. 100—47)



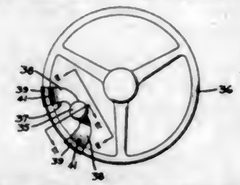
2. A pressing apparatus comprising side frames, a shaft mounted in fixed bearings therein, a press roller secured to said shaft, positive means for rotating said shaft, a ring surrounding said press roller normally out of contact therewith, between said side frames, a sheave yieldably mounted on said frames, a chain extending over said sheave and under said ring to rotatably support the latter, means normally tending to raise said sheave to reduce the clearance between the adjacent pressing surfaces of said roller and said ring, and a releasing device acting on said means and actuated by a predetermined upward movement of said ring.

2,187,764

STEERING WHEEL

John D. Villas, Minneapolis, Minn.

Application August 8, 1938, Serial No. 223,655
2 Claims. (Cl. 74—557)



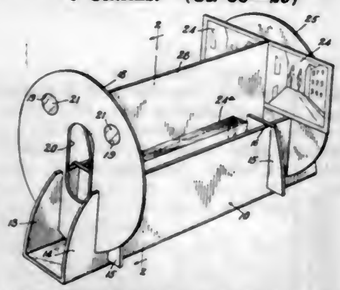
1. An attachment for a steering wheel, comprising a bracket having outwardly directed, spaced arms, means at the ends of said arms for securing them to the wheel rim, said means being disposed above the plane of the bracket whereby thee bracket is spaced downwardly from the plane of the rim, and a knob rotatably mounted on the bracket and spaced inwardly from the wheel rim to provide adequate room for an operator's hand, when grasping the knob.

2,187,765

STEREOSCOPE APPARATUS

Louis W. Walter, Chicago, Ill.

Application July 20, 1936, Serial No. 91,507
6 Claims. (Cl. 88—29)



1. A stereoscope apparatus arranged for disassembly into a plurality of portions of flat sheet material readily adapted for disposition in a flat compact mailable package comprising, in combination, a generally channel-shaped portion of sheet material forming an elongated frame having a U-shaped cross section, the side members of said frame having inwardly extending slots formed therein, cross braces formed from portions of sheet material having slots therein engaging the side members of said frame and disposed in the slots therein, an upright portion of sheet material disposed adjacent one end of said frame and extending transversely with respect thereto forming a viewing mask, said viewing mask having a pair of apertures therein spaced apart approximately the distance between a pair of normal human eyes, a second upright portion of sheet material disposed adjacent the opposite end of said frame and forming a picture support in alinement with said apertures, and an upright partition of sheet material extending longitudinally of said frame between said mask and said picture support, said partition being detachably mounted in alined slots formed in the upper edges of said cross braces.

2,187,766

THERAPEUTIC COMPOSITION

Charles C. Whittier, Chicago, Ill., assignor, by mesne assignments, to Standard Chemical and Mineral Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 10, 1936, Serial No. 115,161
10 Claims. (Cl. 167—74)

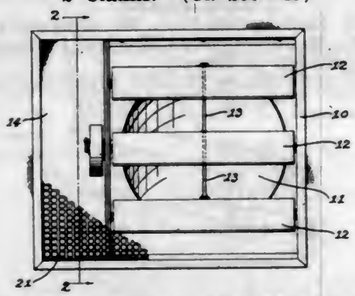
4. A therapeutic product comprising a stable composition of maggots ground uniformly to such minute degree of comminution as to exhibit Brownian movement in solution, and an acid antiseptic medium.

2,187,767

DAMPER CONTROL

Floyd C. Akers, Anderson, Ind.

Application May 4, 1938, Serial No. 205,952
2 Claims. (Cl. 236—49)



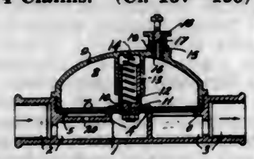
1. In a housing to control air flow to and from a room, a damper means in the housing comprising a plurality of vanes, a rock shaft on which one of the vanes is mounted, links connecting all of the vanes together, a chamber in the housing insulated therefrom but opening into the room into which chamber the rock shaft extends, an arm on the shaft within the chamber and a thermostat actuating the arm to rock the shaft.

2,187,768

SAFETY DEVICE FOR GAS CONDUCTORS

Hans Arquint, Sursee, Switzerland, and Oscar Kiesel, Munich, Germany

Application January 21, 1935, Serial No. 2,748
In Germany January 24, 1934
4 Claims. (Cl. 137—153)



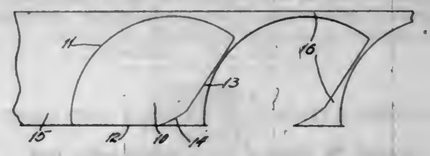
1. A gas supply control device to be inserted into a gas main comprising a housing having therein a gas supply chamber, a passage of reduced cross section connecting said supply chamber with the supply part of the main, a gas delivery chamber having a greater cross sectional flow area than said supply chamber, a passage of reduced cross section connecting said delivery chamber with the delivery part of the main, a constricted by-pass establishing permanent communication between said chambers, and a third chamber superimposed on said supply and delivery chambers, a valve interposed between said supply chamber and said delivery chamber said valve comprising a flexible diaphragm forming a gas tight closure for said superimposed chamber and having one face thereof exposed directly to the gas pressure in the supply and delivery chambers and a spring exerting seating pressure on said diaphragm of force sufficient to overcome a predetermined minimum gas pressure on said diaphragm.

2,187,769

CONTAINER AND BLANK THEREFOR

Herman Carew, Easton, Pa., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware

Application September 9, 1937, Serial No. 162,968
14 Claims. (Cl. 229—1.5)



14. A conical paper container having a side seam comprising overlapped marginal portions adhesively held together and formed from a single blank having a pair of arcuate edges of equal radii and a straight edge connecting said arcuate edges, said straight edge being a part of a side bounding edge of the stock strip from which the blank is severed and the margin adjacent said straight edge forming one portion of said side seam, and one of said arcuate edges defining the mouth of the container, with the center of curvature of the mouth defining edge located within the area defined by the major bounding edges of the blank.

2,187,770

CLEANING APPARATUS

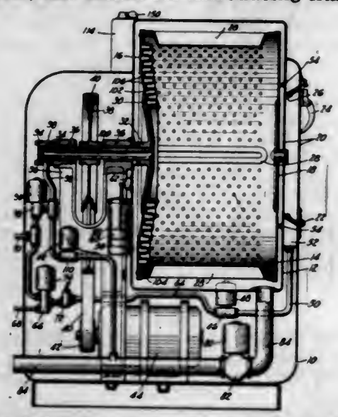
John W. Chamberlin and Rex Earl Bassett, Jr., South Bend, Ind., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware

Application March 6, 1937, Serial No. 129,426
7 Claims. (Cl. 68—21)

1. Cleaning apparatus comprising a drum having a horizontal axis and mounted on a horizontal driven hollow shaft and having a diaphragm mounted across one end over the outlet of said shaft, means for supplying and withdrawing cleaning agents to the part of the drum on the side of the diaphragm opposite the outlet of the shaft, and means for supplying and withdrawing fluid under pressure through said shaft to actuate said diaphragm to press the material in the drum against the opposite end of the drum.

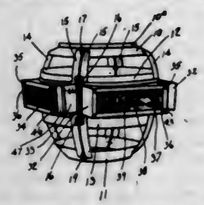
7. An automatically-controlled cyclically-operated cleaning machine comprising means for containing cleaning agents, a perforated container therein for material to be cleaned, said container being rotatably mounted at one end and having in its other end an opening provided with a removable cover, means for supporting said cover

to rotate with the container, means to supply and withdraw cleaning agents, a flexible diaphragm positioned across said one end of the perforated container, and means for introducing fluid under



pressure behind said diaphragm for pressing it against cleaned material in the container to squeeze it against said other end of the container and against said cover to dry it.

2,187,771
COMBINATION STREET SIGN AND LAMP GUARD
Frank M. Currie, Jr., Indianapolis, Ind.
Application May 6, 1939, Serial No. 272,174
13 Claims. (Cl. 40—131)



1. A combination street sign and globe guard for a street lamp and the like, including a plurality of spaced, lamp globe enveloping, band arrangements, a plurality of connecting members therebetween forming an open-work cage, the cage being of vertically partable character cage in globe enveloping relation, and an elongated housing mounted on said cage for supporting a light emitting legend plate, said housing occupying a space between two of said band arrangements and between two of said connecting members.

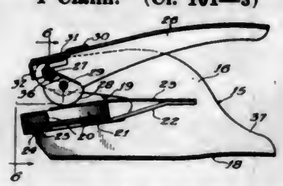
2,187,772
TONE ARM
Roy Dally, Racine, Wis., assignor, by mesne assignments, to Webster Electric Company, Racine, Wis., a corporation of Delaware
Original application September 24, 1936, Serial No. 102,303, now Patent No. 2,145,389, dated January 31, 1939. Divided and this application February 27, 1937, Serial No. 128,073
9 Claims. (Cl. 274—23)

8. In a tone arm, the combination of a supporting stool having a resilient cross piece carried thereby, said cross piece having oppositely disposed conical depressions therein, a tone arm comprising a resilient sheet metal member having oppositely disposed flanges adjacent the opposite edges of said cross piece, and a pair of screw members carried by said tone arm, each screw member having a conical end engaging in said conical depressions, said screw members being adjusted to place a predetermined tension in their associated parts to prevent rattling and automatically compensate for wear, said cross piece having a forwardly and upwardly extending arm adapted to engage a part of said tone arm to effect a support of said tone arm with the needle out of engagement of parts located below the level of a record, said cross piece being carried by a



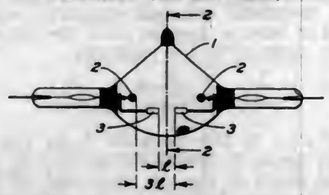
tubular metal member having oppositely disposed shoulders engaging the sides of said cross piece, and being rotatably mounted in said stool, said stool comprising an inverted sheet metal cup having an annular shoulder intermediate its open end and closed end, and having a bearing formed in its closed end, said annular shoulder supporting a cross piece provided with an auxiliary bearing, said bearing in said closed end having a frusto-conical bore at its upper end and said tubular member having a complementary frusto-conical formation whereby wear between the parts may be taken up.

2,187,773
SEAL PRESS
Frank H. Eyman, Oak Park, Ill., assignor to Art Novelty Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 25, 1938, Serial No. 242,264
1 Claim. (Cl. 101—3)



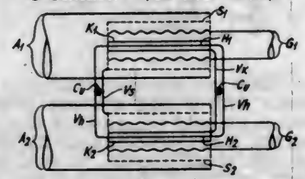
In a seal press, the combination of a frame member having a deep notch open at one side of the frame, two seal members, means movably connecting said seal members together and normally holding them yieldingly in slightly spaced relation to each other, means for holding said connected seal members releasably in said notch of the frame member, a lever pivotally mounted on a transversely extending pivot pin between two transversely spaced portions of the frame, a roller journaled on said lever in position to apply a toggle pressure effect on one of said seal members for forcing it into operative engagement with the other seal member upon an operative stroke of the lever, said roller being mounted in slightly eccentric position with respect to the pivot pin of the lever and being cut away at one side portion so as to clear said pivot pin, a locking plate slidably mounted on said lever, a shoulder on said frame member adapted by engagement with said locking plate to hold said lever releasably in position for maintaining said seal members in operative engagement with each other, and a spring bearing on said roller and on said locking plate serving to hold the roller normally in position for operative engagement with one of said seal members and to press said locking plate into frictional engagement with the lever for holding the locking plate normally in any adjusted position to which it is moved.

2,187,774
ELECTRIC DISCHARGE LAMP ADAPTED FOR USE AS SOURCE IN OPTICAL PROJECTION APPARATUS
Victor James Francis, North Wembley, England, assignor to General Electric Company, a corporation of New York
Application October 20, 1938, Serial No. 236,110
In Great Britain October 8, 1937
1 Claim. (Cl. 176—122)



An electric discharge lamp of the type adapted to operate with relatively high pressure comprising a sealed envelope containing a rare gas and a vaporizable metal, a pair of running electrodes therein separated by a distance of the order of a few millimeters, and an activated thermionic starting electrode associated with at least one of said running electrodes and so located with respect thereto that the distance between said starting electrode and the opposite running electrode is more than three times the distance between said running electrodes.

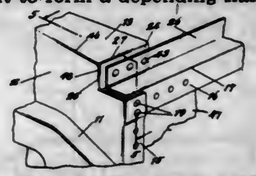
2,187,775
PUSH-PULL TUBE ARRANGEMENT
Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 26, 1937, Serial No. 176,437
In Germany October 1, 1936
5 Claims. (Cl. 179—171)



1. A short wave push-pull electron discharge device system comprising a pair of electron discharge devices, each having an anode, a control electrode, a screen electrode and a cathode; a loop of metallic tubing connecting said control electrodes together to form a tuned input circuit for said system; and a loop of metallic tubing connecting said anodes together to form a tuned output circuit for said system, and connections of minimum inductive reactance between said cathodes and between said screen electrodes, said connections by virtue of their spacing and configuration providing a capacitive path of low impedance therebetween.

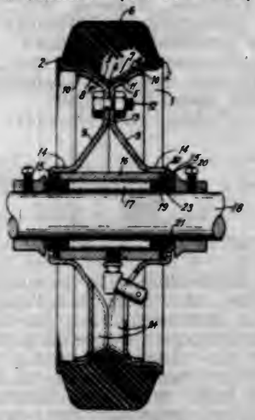
2,187,776
CAR END INTERLOCK
John P. Gallagher, Jersey City, N. J., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application November 13, 1937, Serial No. 174,332
1 Claim. (Cl. 105—410)

In a railway car having a side plate comprising a horizontal web and an upstanding inner part and a depending outer part in combination with an end wall sheet with the upper margin thereof bent to form a horizontal flange with one end thereof bent to form a depending flange which is



secured to said upstanding part of the side plate, and means to secure one edge of said depending flange to the body of the end wall sheet, said wall sheet having a vertical margin thereof bent to form a lateral flange which is secured to said depending part of the side plate.

2,187,777
WHEEL
Chauncey W. Gannett, Wellington, Ohio, assignor to Wellington Machine Company, Wellington, Ohio, a corporation of Ohio
Original application October 15, 1934, Serial No. 748,361. Divided and this application April 30, 1937, Serial No. 139,981
2 Claims. (Cl. 301—105)

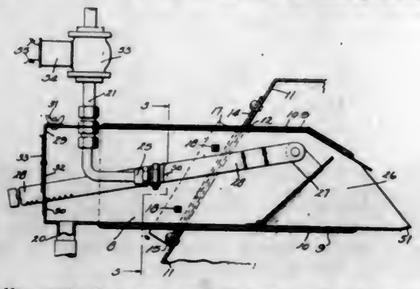


1. In a wheel, a pair of central dished discs having tubular hub supporting portions extending in opposite axial directions terminating in radially inwardly extending terminal flanges, a tubular hub element telescoped within the tubular portions, cup-form hub elements at opposite ends of the tubular hub element having perforated bottoms, and having radially outwardly extending flanges disposed between the tubular element ends and the said terminal flanges, the cup bottoms extending axially outwardly beyond said terminal flanges to receive external axial thrusts.

2,187,778
HUMIDIFIER
Edward J. Gardner, Horicon, Wis., assignor to Gardner Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application July 22, 1936, Serial No. 91,861
5 Claims. (Cl. 261—116)

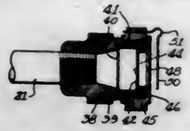
1. A humidifier comprising the combination with a chamber of rectangular section, of a mounting collar therefor including a pair of plates rectangularly notched to engage about

said chamber and slidable upon each other for adjustable engagement with opposite sides of said chamber at a variety of angles of said plates with respect to said chamber, the end of the chamber at one side of the collar being substan-



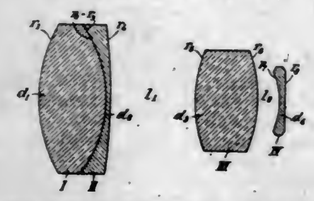
tially entirely open and the end of the chamber at the other side of the collar being at least largely closed, and an atomizing nozzle within the chamber directed toward the open end thereof and provided with a water supply pipe adjacent the closed end of the chamber.

2,187,779
ATOMIZING NOZZLE
Edward J. Gardner, Horicon, Wis., assignor to Gardner Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Original application July 22, 1936, Serial No. 91,861. Divided and this application December 28, 1936, Serial No. 117,807
7 Claims. (Cl. 299—121)



1. The combination with a nozzle provided with an orifice, of a baffle placed directly before the orifice in sufficiently close proximity to the orifice to intercept a substantial part of the effluent from the orifice and having a thickness not appreciably greater than the diameter of the orifice, said baffle extending completely across said orifice approximately at right angles thereto.

2,187,780
LENS SYSTEM
Friedrich Wilhelm Gehrke, Munich, and Robert Tiedeken, Grosshadern, near Munich, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application April 19, 1938, Serial No. 202,832
In Germany April 24, 1937
4 Claims. (Cl. 88—57)

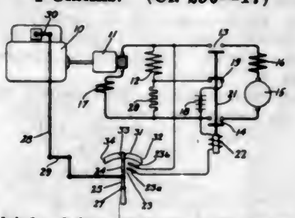


1. A lens system comprising at least two separate positive members and a separate negative lens behind the last positive member, said lens system having a relative aperture of 1:1.6 and over, said negative lens being approximately concavo-plane and adapted to correct essentially all the spherical image errors, the absolute Seidel partial value A of the spherical aberration of said negative lens lying between 0.5 and 2.0, the proportion of said partial value A to the partial value T being between 1:0.5 and 1:2.0, the position and the refractive power of said positive members and said negative lens being adjusted in such a manner that the value of the factor e_1, defined by the equation

$$e_1=\sum_{\lambda=2}^{l}\frac{e_{\lambda-1}}{h_{\lambda-1}h_\lambda}$$

wherein $e_{\lambda-1}$ is the distance from the second principal point of the $(\lambda-1)$th lens to the first principal point of the λth lens, and h_λ and h_{-1} are the incidence heights at the principal planes of the λth and $(\lambda-1)$th lenses respectively of a paraxial ray whose incidence height is 1 at the principal planes of the first lens, lies between 3.0 f and 3.5 f and the section distance of the image focal point is greater than 1/7 f and less than 1/3 f, wherein f is the focal length of said lens system.

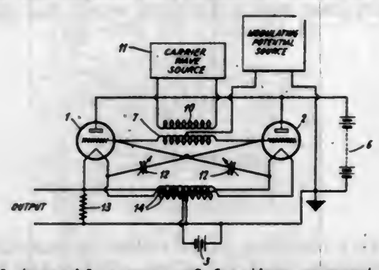
2,187,781
VEHICLE DRIVE SYSTEM
Lanier Greer, Lawrence Park, Pa., assignor to General Electric Company, a corporation of New York
Application August 30, 1939, Serial No. 292,650
4 Claims. (Cl. 290—17)



1. A vehicle drive system comprising a generator provided with a field winding, prime mover driving means for said generator, a driving motor for the vehicle, main switching means controlling the connection of said motor to said generator, an auxiliary source of direct current, auxiliary switching means for connecting said auxiliary source in an electric circuit with said field winding, accelerating means for said prime mover, and operating connections between said accelerating means and said switching means for opening said main switching means and closing said auxiliary switching means when said prime mover is running at one speed and for closing said main switching means and opening said auxiliary switching means when said prime mover is running at a higher speed.

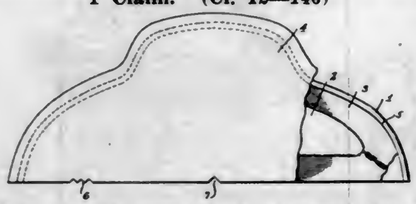
2,187,782
THERMIONIC TUBE MODULATOR
John Hardwick, West Drayton, and Eric Lawrence Casling White, Hillingdon, England, assignors to Electric & Musical Industries Limited, a British company
Application October 10, 1936, Serial No. 104,930
In Great Britain October 15, 1935
11 Claims. (Cl. 179—171.5)

1. In a signalling system, a pair of electron discharge tubes each having an anode, a cathode and control grid, said cathodes being of the filamentary types, an input circuit on which wave energy may be impressed connected with said control grids, parallel inductances connecting the terminals of said filamentary cathodes together and to a source of heating current, other parallel inductances connecting said anodes to the positive terminal of a source of potential the negative terminal of which is con-



nected to said source of heating current, the ratio of said last named parallel inductances to said first named parallel inductances being equal to the ratio of the capacity between the grid and filament of said tubes and the capacity between the anode and grid of said tubes to inherently neutralize said tubes and a load circuit connected between the anode and cathodes of said tubes.

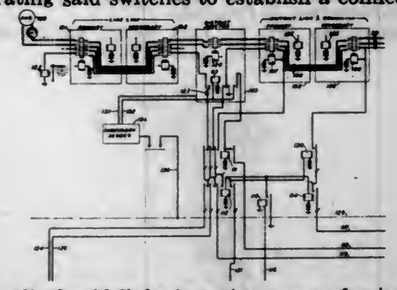
2,187,783
METHOD OF MAKING AND PREMOLDING HEEL AND QUARTER SECTIONS OF BOOTS AND SHOES
Benjamin F. Hartwell, Leslie L. Hartwell, Jr., and Arthur F. Hartwell, Bellows Falls, Vt.
Application June 1, 1938, Serial No. 211,146
1 Claim. (Cl. 12—146)



The improved method of preparing heel and quarter blanks for use in premolding during the manufacture of boots and shoes, which consists in cutting out an outer finished layer from flat sheet material folding the upper edge portion of same while flat, thereupon preparing an intermediate stiffening layer of substantially less contour and area than that of the now folded edge layer to permit the stiffening layer to register while flat with the folded edge of the outer layer, preparing a lining layer of greater area than the edge folded layer, uniting said three layers by adhesive, and thereafter applying stitching around the folded edge from the outer layer to the lining, and cutting off the surplus edge portion of the lining and thereupon premolding the three layers of the blank into finished heel and quarter form with a lasting flange independently of assembling on a last.

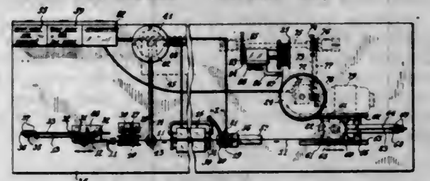
2,187,784
TELEPHONE SYSTEM
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 17, 1938, Serial No. 214,353
5 Claims. (Cl. 179—175.2)

1. In a telephone system, a plurality of serially related switches, link circuits interconnecting said switches, means for testing said link circuits for an unstandard condition thereon, means for operating said switches to establish a connection



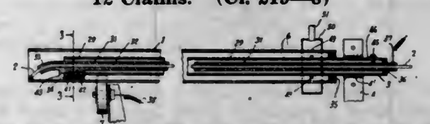
over all of said links in series, means for testing the continuity of the established connection through said links, and means for testing the established connection for the presence of an unstandard condition thereon.

2,187,785
WIRE DRAWING METHOD AND MACHINE
Milton A. Hoyt, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1936, Serial No. 113,122
18 Claims. (Cl. 205—13)



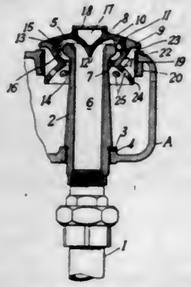
1. The method of wire drawing comprising passing wire, while subjected to a desired degree of tension, through a lubricant bath, a relatively long furnace of desired constant moderate temperature, to allow the lubricant vehicle to be slowly evaporated therefrom while the wire is heat-treated, and through a temperature-controlled hot die spaced a desired distance from the furnace outlet at uniform speed subject, however, to temporary increases and decreases as the force of drawing the wire decreases and increases.

2,187,786
FUSION WELDED TREATMENT OF TUBULAR BODIES
David S. Jacobus, Montclair, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 25, 1936, Serial No. 92,544
12 Claims. (Cl. 219—8)



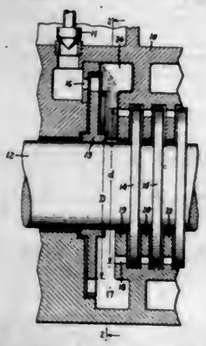
1. A weldrod holder comprising inner and outer tubular members, means associated with both members for adjusting said members relatively in a direction transversely of their axes, and means whereby a weldrod received by one of the members has an end portion deflected laterally of said member toward a workpiece spaced therefrom.

2,187,787
VALVE
Phillip A. Kinzie, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application May 24, 1938, Serial No. 209,664
10 Claims. (Cl. 251—127)



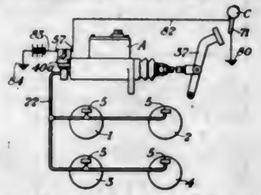
1. A valve of the venting type comprising a stationary tube having one end adapted to receive fluid streams of different densities and having its opposite end terminating in a fillet of rounded contour merging with adjacent surface portions interiorly and exteriorly of said tube, a valve member reciprocable relative to said tube in response to movement of the heavier fluid and having its interior surface annularly recessed to a form substantially paralleling the contour of said filleted end and surroundingly spaced therefrom to provide an unobstructed annular passage of smooth continuous curvature and outwardly increasing cross-section communicating with the interior of said tube, said passage having its outlet disposed rearwardly of said fillet, and means including said member for effecting closure of said outlet.

2,187,788
ELASTIC FLUID TURBINE
Hans Kraft, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 26, 1938, Serial No. 198,279
7 Claims. (Cl. 253—69)



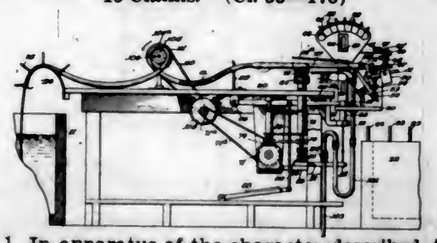
1. An elastic fluid turbine including the combination of a casing, a rotor having a shaft and a first and second bucket wheel secured thereto, a diaphragm intermediate the bucket wheels and held on the casing, the diaphragm having nozzle openings spaced considerably in radial and axial direction from the nozzles of the first bucket wheel, and means substantially completely splitting the ring space formed between the bucket wheel and the diaphragm to reduce loss of available energy of elastic fluid on its flow from the exit of the first bucket wheel nozzles to the inlet of the diaphragm nozzles.

2,187,789
FLUID PRESSURE BRAKE SYSTEM
George J. Lanz, Wilkinsburg, Pa.
Application March 26, 1938, Serial No. 198,291
11 Claims. (Cl. 188—265)



1. In a hydraulic brake system for automobiles, the combination with a wheel cylinder and a master cylinder connected by a fluid conduit, a valve in said conduit for controlling the flow of fluid through said conduit comprising a valve seat and a rubber diaphragm cooperating with said seat, and a solenoid operated valve stem cooperating with said diaphragm to force said diaphragm into engagement with said seat to close said valve.

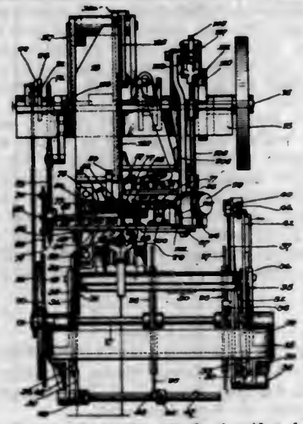
2,187,790
APPARATUS FOR MEASURING INTESTINES
Frank G. Leavenworth, Oak Park, Ill., assignor, by mesne assignments, to Packers Machinery Company, Chicago, Ill., a corporation
Application September 23, 1937, Serial No. 165,329
15 Claims. (Cl. 33—178)



1. In apparatus of the character described, the combination of a core adapted to extend into an intestine, means associated with and for feeding the intestine onto the core, means for pivotally supporting the core to swing laterally away from the feed-means to bring it into position for stripping the intestine from the core, and means for measuring the diameter of the casing while it is being fed on the core.

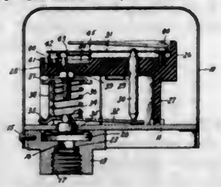
2,187,791
BRUSH MAKING MACHINE
William D. Lipps, Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y., a corporation of Delaware
Application May 7, 1938, Serial No. 206,574
8 Claims. (Cl. 300—4)

1. In a brush making machine, means for supporting an elongated brush back, means including a reel having spaced peripheral clamps for successively advancing yarn a determined distance and positioning each succeeding leading length of yarn upon and across the said brush back in spaced relation, means for supplying the yarn tangentially to the reel, means for severing from the body of the yarn each succeeding length when it is clamped on the reel and positioned across the brush back, and means for fastening each



length intermediate its ends to the brush back and with the ends extending beyond the respective sides of the brush back.

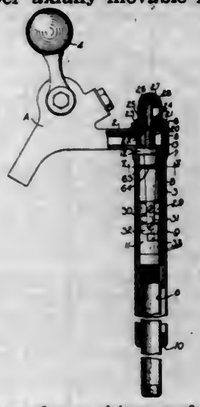
2,187,792
ELECTRICAL SWITCH
Walter Muir, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1938, Serial No. 227,144
10 Claims. (Cl. 200—83)



1. A pressure operated switch comprising a pair of electrical contacts arranged to be snap disengaged in response to a predetermined change in pressure, means for operating said contacts including a metallic diaphragm in the form of a cup-shaped stamping having a circular face and an annular band extending therefrom, a base plate for said switch, and a nut welded at one end to said base plate and having an opening therethrough to the opposite end for communicating relationship with a source of fluid pressure, and a seating recess in the said first end, said diaphragm being inserted in said seating recess and having said annular band secured rigidly to the side walls thereof for closing the opening in said nut.

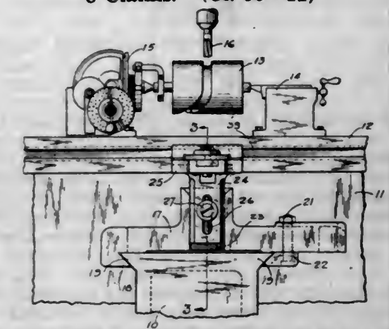
2,187,793
BEER DISPENSING DEVICE
Frank E. Rice, Detroit, Mich., assignor to American Tap-Bush Company, Detroit, Mich., a corporation of Delaware
Application March 4, 1938, Serial No. 193,820
3 Claims. (Cl. 138—46)

2. Means for controlling the flow of liquid through a member having a bore in it, comprising a core insertible in said bore in surface engagement therewith and held therein against axial and rotative movement and having an elongated V-shaped slot in it extending from one end toward and stopping short of the other end with the apex of the slot adjacent said other end, the end of said core beyond said apex being bored for entrance of liquid to said slot, a complemental wedge member axially movable in said slot and



having surfaces for making surface contact with the slot surfaces, and a screw threaded into the wider end of said wedge member for shifting it in said slot and for centering the wedge with respect to the slot walls.

2,187,794
COMPENSATING ATTACHMENT FOR MILLING MACHINES
Rudolph J. Schmidt, Cleveland Heights, Ohio
Application February 7, 1939, Serial No. 255,140
8 Claims. (Cl. 90—11)

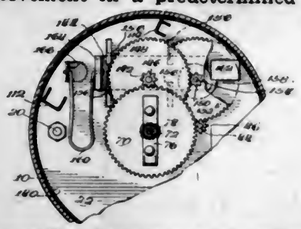


1. In a milling machine having a knee and a movable saddle and work table mounted thereon, an attachment for gauging the feed of the saddle in milling a cam groove used with a pivoted follower arm, comprising a bracket mounted upon the knee of the milling machine, a circular disc mounted on said bracket, the radius of said disc being equal to the radius of swing of the cam follower arm used with the cam being machined, an arm mounted on the work table and a dial indicator mounted on said arm and engaged with the periphery of said disc.

2,187,795
CIRCUIT CONTROLLER
Ray W. Scott and Andrew O. McCollum, Detroit, Mich., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application April 30, 1937, Serial No. 139,978
15 Claims. (Cl. 200—27)

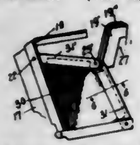
3. In apparatus of the type described, the combination including a rotatable controller, means

provided with projecting portions operable to impart movement to said controller, a member having complementary projecting portions adapted to engage said first mentioned projections, and means operable to impart continuous rotary movement in a predetermined direction



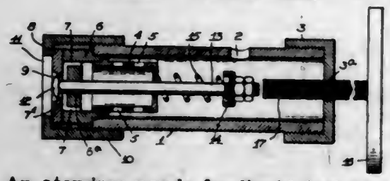
and reciprocating translatory movement to said member at rates so synchronized that the first mentioned means remains stationary upon translatory movement in one direction and is moved upon translatory movement in the opposite direction for intermittently rotating said controller.

2,187,796
FRAME STRUCTURE FOR HANDBAGS, LUGGAGE, AND THE LIKE
Bernard Stember, East Orange, N. J.
Application February 10, 1939, Serial No. 255,569
3 Claims. (Cl. 150—29)



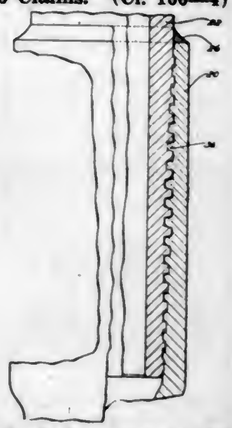
1. A frame structure for handbags, luggage and the like comprising a main frame and an auxiliary frame, said main frame comprising a pair of substantially U-shaped members pivotedly connected to each other at their free ends, said auxiliary frame comprising a pair of substantially U-shaped elements and two pairs of arms, an arm of each pair being pivotally connected to one of said main frame members and the other arm of each pair being pivotally connected to the other of said main frame members, means pivotally connecting together the arms of each pair and said elements, said pivotal connections being adapted for emerging said auxiliary frame from the inside of said bag beyond the dead point position of said arms, and end skirts fixed to said arms and extending therefrom towards the inside of said bag.

2,187,797
ATOMIZER NOZZLE
Achille Tedeschi, Milan, Italy, assignor to Joseph Ciocher, Guttenberg, N. J.
Application February 1, 1939, Serial No. 253,998
In Italy September 26, 1938
2 Claims. (Cl. 299—118)



1. An atomizer nozzle for liquid fuel as naphtha and the like, comprising a nozzle having an axial bore therein and including a tip provided with at least one tangential channel and with a central conical spray orifice of outwardly continuously increasing diameter, means for supplying fuel to the outer end of said tangential channel, a valve stem passing through said axial bore and said spray orifice and having a diameter less than the smallest diameter of the latter, a valve head on the outer end of said valve stem, said valve head having a knife edge and a plane inner surface perpendicular to the axis of the valve and of a diameter exceeding the smallest diameter and being less than the greatest diameter of said conical orifice, and resilient means to urge said valve head against the wall of said conical orifice, whereby the valve opens under the pressure of the liquid to be atomized.

2,187,798
METHOD OF MAKING JOINTS
Howard G. Texter, Tulsa, Okla., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 27, 1938, Serial No. 247,756
6 Claims. (Cl. 166—4)

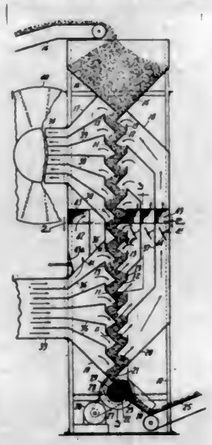


1. That method of casing an oil well or the like which includes the steps of connecting a length of casing to that already supported in the well, thereafter raising the entire casing string by the elevator to put at least part of the weight of the string on the connecting joint, and sealing the joint while so supported.

2,187,799
DRIER
Ray G. Baughman, Linton, Ind.
Application April 8, 1938, Serial No. 200,963
4 Claims. (Cl. 34—37)

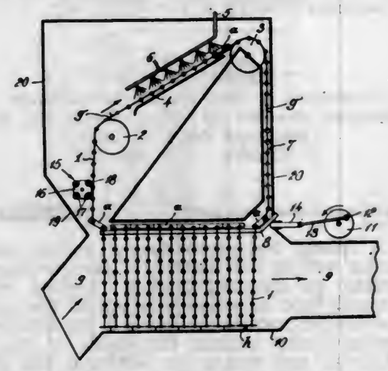
1. In a drier, a material lowering device comprising two substantially vertical series of downwardly and inwardly inclined shelves, the shelves of the two series being arranged in staggered relation to form a plurality of oppositely inclined passageways through which the material moves by gravity, the longitudinal edges of adjacent shelves of each series being spaced one from the other to provide lateral openings communicating with the respective passageways on each side of said lowering device, an inlet conduit communicating with a relatively large group of passageways in one longitudinal portion of said lowering device through lateral openings in one side of said lowering device, an outlet conduit communicating with a relatively large group of passageways in

another longitudinal portion of said lowering device through lateral openings in one side of said lowering device, a plurality of partitions arranged on that side of said lowering device opposite said inlet to form a plurality of channels which communicate respectively with separate parts of the passageways of the first mentioned



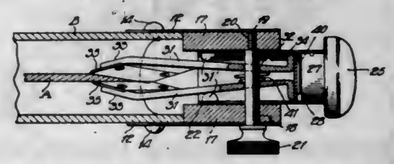
group through lateral openings on the adjacent side of said lowering device and with the passageways of the last mentioned group through lateral openings on that side of said lowering device opposite said outlet conduit, and means for circulating a drying medium through said conduits, passageways and channels.

2,187,800
SLURRY DRYING DEVICE
Niels Sofus Borch, Copenhagen, and Kristian Middelboe, Frederiksberg, near Copenhagen, Denmark, assignors to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey
Application August 21, 1937, Serial No. 160,208
In Great Britain August 24, 1936
12 Claims. (Cl. 159—8)



2. In an apparatus for drying raw slurry, means forming a drying passage, an endless chain curtain arranged to move through said passage, means for folding said curtain at the inlet end of said passage to cause it to occupy substantially the whole cross-section of said passage, means for opening out said curtain at the outlet end of said passage, means for coating with slurry said curtain while opened-out, and means for causing hot gases to flow longitudinally through said passage in counter-current to said folded curtain, said curtain when coated with slurry being non-obstructive to said longitudinal flow of the gases throughout the cross section of the drying passage.

2,187,801
DEVICE FOR SCRAPING THE KNIVES OF SLICING MACHINES
Morris Brustowsky, Brooklyn, N. Y.
Application January 5, 1938, Serial No. 183,449
10 Claims. (Cl. 146—101)



1. A scraping device for the knives of slicing machines of the type which employ a rotating knife and a guard therefor, said scraping device comprising a housing for closing an opening in the knife guard, a second housing mounted for pivotal and sliding movement relatively to the first mentioned housing, a plurality of scraping elements pivotally mounted in the first mentioned housing and movable about their pivotal point into juxta-position with the knife of the slicing machine, and means carried by the second mentioned housing for moving the scraping elements into scraping engagement with the knife of the slicing machine.

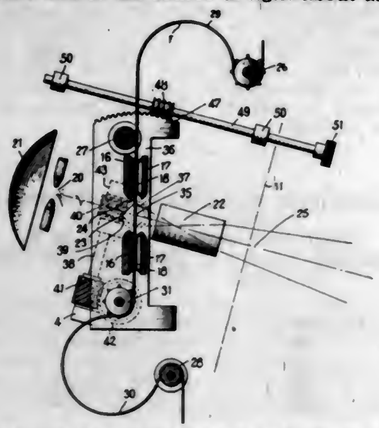
2,187,802
LUBRICATING OIL AND LUBRICATION THEREWITH
Philip Gordon Colin, Staten Island, N. Y., and Arthur Walther Lewis, Elizabeth, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application September 25, 1937, Serial No. 165,682
9 Claims. (Cl. 87—9)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydro-carbon oil of a character normally tending to corrode said bearing surfaces and having incorporated therein corrosion inhibiting proportions of tin tetra butyl.

2,187,803
MOTION PICTURE APPARATUS
Herbert Griffin, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application March 4, 1937, Serial No. 128,939
5 Claims. (Cl. 88—24)

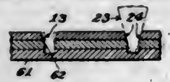
1. Picture projection apparatus, comprising in combination, a source of light, and a projection head mounted for tilting movement as a unit, said head including a lens and means for guiding a film between the source of light and said lens, mounting means for said film guiding means, said film guiding means including an aperture plate provided with an aperture and mounted on said

projection head for tilting movement relative to the lens and to the source of light about an axis



intersecting the optical axis at the center of the aperture.

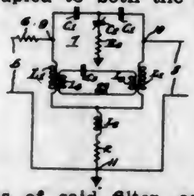
2,187,804
BARREL MANUFACTURE
Hazen L. Hoyt, Great Neck, N. Y.
Application April 8, 1936, Serial No. 73,229
1 Claim. (Cl. 144—309)



The method of forming a slot in a sheet of material from side to side of said sheet, which slot has a central portion of uniform depth with a flat bottom and substantially parallel lower sides terminating in bevelled upper sides, the bevel increasing and the substantially parallel sides diminishing in depth toward each side of said sheet until the bevel extends completely through the sheet, comprising the steps of cutting a uniform narrow slot with substantially parallel sides and a flat bottom entirely across said sheet to the uniform depths of said central portion, and rotating a conical cutter with its axis of rotation perpendicular to said sheet and passing the cutter along the narrow slot from one side to the other side of the sheet, having the point of the cutter below the bottom of the sheet as it enters the slot from one side, to cut through the bottom of the slot and bevel the sides thereof, gradually raising the cutter until, at the central portion of the slot, only the upper portions of the parallel sides of the slot are bevelled and then gradually lowering the cutter as it passes along the slot from the center of the sheet to the other side thereof, and cutting through the bottom of the slot with the point of the cutter as the cutter reaches the said other side of the sheet.

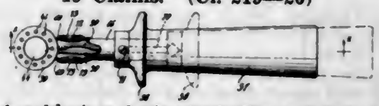
2,187,805
HIGH IMPEDANCE BAND PASS FILTER
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1936, Serial No. 113,460
5 Claims. (Cl. 178—44)

1. A band pass filter comprising, in combination, means providing input and output circuits therefor each resonant to a mean pass band frequency and including an inductance element, means including additional inductance elements providing inductive coupling between said circuits, means providing capacity coupling between said circuits for balancing out the inductive coupling at the mean pass band frequency, additional coupling means between said input and output circuits comprising a tunable tertiary circuit resonant to the mean pass band frequency and inductively coupled to both the input and the



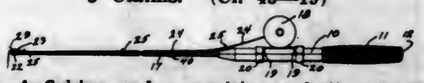
output circuits of said filter, and a common resistor in circuit with the inductance elements of the input and output circuits, the resistance of the resistor being so proportioned with respect to the impedance of said circuits that substantially infinite impedance is effected at two frequencies adjacent to and on opposite sides of resonance.

2,187,806
ELECTRIC SOLDERING DEVICE
Lembert H. Moulthrop, Bridgeport, Conn.
Application March 16, 1939, Serial No. 262,111
19 Claims. (Cl. 219—26)



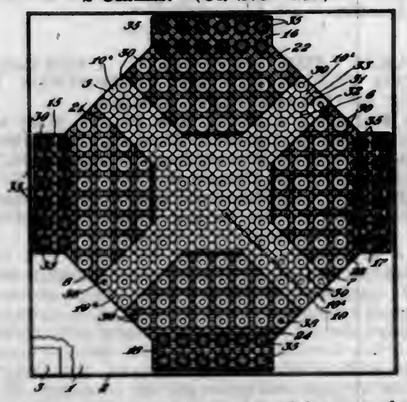
13. A soldering device including a tubular shell enclosing and carrying a tubular electric heating element and a soldering bit in the heating element extended through one end of the shell, a hand grip, and a pair of pivotally connected members, one of said members being adjustably connected to the hand grip and the other member being releasably connected to the shell, the first member adapted to be adjusted relative to the hand grip to vary the distance between the hand grip and shell, and the second member adapted to have adjustment on its pivotal connection with the first member on an axis extending transversely of the axis of the hand grip to position the soldering bit into different angular positions relative to the hand grip.

2,187,807
FISHING ROD
Lawrence A. Muckey, Mapleton, Iowa
Application October 28, 1935, Serial No. 47,135
Renewed June 15, 1939
5 Claims. (Cl. 43—19)



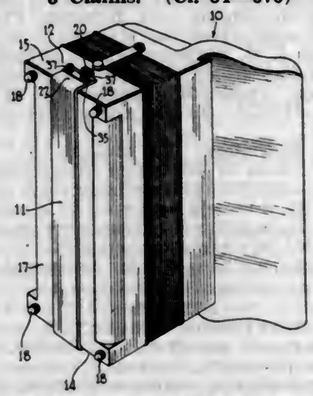
1. A fishing rod comprising a hollow handle, a spring within the handle, a line-bearing rod including an enlarged portion received within the handle and adapted to compress the spring, said enlarged portion including a pin adapted to be spring-urged against the inside of the hollow handle, and means for retaining the pin to cause retention of the spring under pressure, said retaining means including a button, and an opening in the handle to receive the button, said opening and button being of greater diameter than said pin, said button adapted to release the pin from retention within the opening when the button is forced downwardly.

2,187,808
GAME
George S. Parker, Peterboro, N. H., assignor to Parker Brothers, Inc., Salem, Mass., a corporation of Maine
Application May 14, 1938, Serial No. 208,026
2 Claims. (Cl. 273—131)



1. A game apparatus comprising a playing board adapted for use in conjunction with a plurality of playing pieces for each player, said board comprising a plurality of spaced areas defining starting zones and finishing zones for the respective players, the starting zones being disposed at locations remote from the finishing zones, a plurality of spaced areas defining safety zones adjoining said starting and finishing zones, a central area and a plurality of adjoining areas defining combat zones separating each of the safety zones, and lying between the starting and finishing zones, and means defining lines of movement for said playing pieces, said lines of movement extending lengthwise, crosswise and diagonally from said starting zones through said combat and safety zones to said finishing zones.

2,187,809
ACCORDION
Salvatore Rabuazzo, New York, N. Y.
Application October 26, 1937, Serial No. 171,030
8 Claims. (Cl. 84—376)



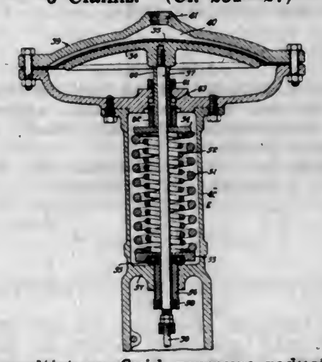
1. In combination, a wall, a screw threaded shaft rotatably and non-slidably supported by said wall and disposed on one side thereof and parallel thereto, said wall being formed with a slot perpendicular to said shaft, a wheel fixed on said shaft and having a portion projecting through said slot to the other side of said wall, a strap on said other side of said wall, said wall having a second slot disposed longitudinally of said shaft, a member having screw threaded engagement with said shaft, and means passing through said second slot and interconnecting said member with said strap.

2,187,810
GLARE SHIELD EYEGLASS
Frank B. Rentz, Wells, Minn., assignor to Henry Barnick, Wells, Minn.
Application August 13, 1938, Serial No. 224,781
2 Claims. (Cl. 88—41)



2. A glare shield in the form of a plate having means for attachment to the head of a wearer and formed at its lower edge with notches affording unobstructed clear vision light passages, and supplemental vision intercepting shield sections adjustably and independently attached, for straight line sliding movements, to the lower part of said shield adjacent said notches on the corresponding sides of said notches and thereby made adjustable to vary the width of the said clear vision light passages afforded by said notches and also to vary the distance between said clear vision light passages, said supplemental shields and said notches having correspondingly bevelled downwardly flaring opposing edges.

2,187,811
FLUID PRESSURE REDUCING VALVE
William W. Smith, East Orange, N. J.
Application January 6, 1938, Serial No. 183,651
6 Claims. (Cl. 251—27)



1. A multistage fluid pressure-reducing valve comprising a valve body having a bore therein provided with a plurality of spaced valve seats, an inlet at one end of the bore and an outlet communicating with the other, said valve seats

being coaxial, and a valve plug in said bore disposed to have a fluid shut-off fit with at least one of said seats when in one position, the valve plug having spaced grooved portions, each grooved portion extending lengthwise of the plug, such grooves being so spaced that when the plug is in shut-off position any grooved portion will lie between its adjacent pair of valve seats, each such grooved portion providing a flow area past its cooperating valve seat when the plug is moved out of shut-off position.

2,187,812

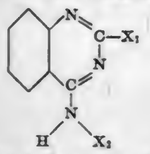
VAT DYESTUFF OF THE QUINAZOLINE SERIES

Fritz Baumann and Heinz Werner Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 12, 1937, Serial No. 142,196. In Germany May 26, 1936

4 Claims. (Cl. 260—261)

3. The product of the formula



wherein X_1 stands for a vattable para-quinoidic radical containing at least 3 condensed rings, a nuclear carbon atom of said radical being directly attached to the quinazoline radical in the position indicated and X_2 stands for a vattable para-quinoidic radical containing at least 3 condensed rings.

2,187,813

VAT DYESTUFF OF THE PHTHALOYL QUINAZOLINE SERIES

Fritz Baumann and Heinz Werner Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 12, 1937, Serial No. 142,197. In Germany May 30, 1936

8 Claims. (Cl. 260—261)

5. Phthaloyl quinazolines which contain at least one substituted amino group attached to a carbon atom of the heterocyclic nucleus in which the substituent of the substituted amino group is a vattable para-quinoidic radical.

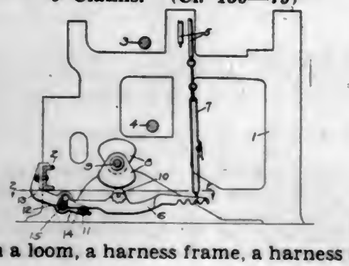
2,187,814

ADJUSTABLE HARNESS MECHANISM

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application July 19, 1939, Serial No. 285,223

9 Claims. (Cl. 139—79)



1. In a loom, a harness frame, a harness treadle connected with said harness frame for operating the latter, a harness cam for operating said treadle, spaced fulcrum members arranged to alternately act as the fulcrum for said treadle during each oscillation of the latter, and means for adjusting one of said fulcrum members relative to the other to thereby adjust the throw of said treadle.

2,187,815

PROCESS FOR EFFECTING CARBAZOLE RING FORMATION OF COMPOUNDS OF THE ANTHRAQUINONE SERIES

Willy Burneleit, Cologne, and Walter Mieg and Franz Wieners, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 30, 1937, Serial No. 151,170. In Germany July 4, 1936

3 Claims. (Cl. 260—316)

1. A process for effecting carbazole ring formation of compounds of the anthraquinone series which comprises fusing a secondary aromatic amine wherein at least one of the aromatic radicals is an anthraquinone radical and at least one ortho-position with respect to the imino group is unsubstituted in both of the radicals with aluminum chloride in the presence of an organic nitrile capable of forming a molecular compound with aluminium chloride.

2,187,816

SALT OF PHTHALOCYANINE SULPHONIC ACID

Erich Hartmann, Leverkusen-Wiesdorf, and Friedrich Moll, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 6, 1936, Serial No. 83,954. In Germany June 14, 1935

1 Claim. (Cl. 260—314)

A compound of copper phthalocyanine trisulphonic acid and the amine mixture obtainable from the fatty acids contained in palm kernel oil the alkyl radicals of said amines corresponding with the alkyl radicals of said acids.

2,187,817

INTERPOLYMERIZATION PRODUCTS OF VINYL CHLORIDE AND ESTERS OF MALEIC ACID

Heinrich Hopff and Gustav Steinbrunn, Ludwigshafen-on-the-Rhine, and Heinrich Freudenberger, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 5, 1936, Serial No. 114,332. In Germany December 13, 1935

10 Claims. (Cl. 260—32)

1. The process of producing interpolymerization which comprises polymerizing vinyl chloride together with a maleic acid ester of a saturated alcohol in an aqueous emulsion the amount of vinyl chloride by weight being at least about 2.2 times the amount of said ester by weight.

2,187,818

DIALYZING APPARATUS

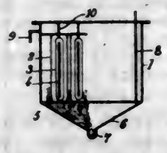
Walter Johannes and Walther Zetzsche, Premnitz, Westhavelland, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application April 13, 1937, Serial No. 136,700

In Germany April 29, 1936

4 Claims. (Cl. 23—252)

1. In an apparatus for dialyzing liquids, a tank for containing the liquid to be dialyzed, a plurality of dialyzing membranes forming a plurality of chambers arranged in said tank and containing a dialyzing liquid, an inclined bottom on said tank, said membranes and chambers being so located in said tank as to afford clear



spaces for the downward passage of colloidal particles separating during dialysis and a clear space in the bottom of said tank, said bottom being so inclined as to collect said particles for convenient removal.

2,187,819

HIGH-MOLECULAR ORGANIC COMPOUND

Karl Koeberle and Otto Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 8, 1938, Serial No. 194,614. In Germany February 7, 1936

4 Claims. (Cl. 260—612)

1. A high-molecular compound of the general formula



in which X is the radical of an aliphatic hydrocarbon having at least 12 carbon atoms.

2,187,820

SEPARATION OF AROMATIC AMINES FROM IRON SLUDGE

Hans Z. Lecher, Plainfield, and Robert C. Conn, Bound Brook, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 11, 1938, Serial No. 224,404

10 Claims. (Cl. 202—42)

1. A method of recovering primary aromatic amines from reaction mixtures containing the amine and iron sludge which comprises neutralizing the acid used in the reaction, dehydrating the reaction mixture by a minimum boiling point azeotropic distillation with a water immiscible organic solvent having a vapor pressure of at least 5 mm. at 100° C. and being in excess of the amount required to remove all of the water, filtering the solution of the amine in the solvent from the iron sludge, and separating the amine from the filtrate.

2,187,821

PREPARATION OF TITANIUM ALCOHOLATES AND PHENOLATES

Johannes Nelles, Leverkusen-Schlebusch, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application March 2, 1937, Serial No. 128,633. In Germany March 4, 1936

9 Claims. (Cl. 260—429)

1. The process which comprises causing titanium tetrahalides to react with a hydrocarbon hydroxy compound in the presence of nitrogen containing compounds selected from the group consisting of ammonia and amines care being taken that the liquids of the reaction are anhydrous.

2,187,822

MANUFACTURE OF PIGMENTS

Hugo Querengässer, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 2, 1937, Serial No. 151,665. In Germany July 16, 1936

7 Claims. (Cl. 23—56)

1. A process of producing a pigment which comprises subjecting an easily water-soluble complex potassium-iron chromate of the approximate composition $7K_2O \cdot 6Fe_2O_3 \cdot 20CrO_3 \cdot 12H_2O$ to a temperature of between about 180 and 220° C. with a corresponding pressure ranging between about 10 and about 20 atmospheres in an autoclave in the presence of between about 1 and about 3 parts its quantity by weight of water, and thereupon separating the resulting sparingly water-soluble pigment from the mother liquor.

2,187,823

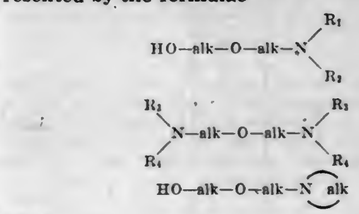
CONDENSATION PRODUCTS OF ETHERS OF ALKYLOL AMINES

Heinrich Ulrich and Joseph Nuesslein, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

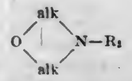
No Drawing. Application March 26, 1931, Serial No. 525,591. In Germany April 1, 1930

13 Claims. (Cl. 260—404)

9. The process of producing condensation products, which comprises condensing a nitrogenous ether selected from the group of compounds represented by the formulae



and



wherein alk represents an alkylene group, R_1, R_2, R_3 and R_4 each represent a member selected from the group consisting of hydrogen, alkyl, monocyclic cycloalkyl, aryl, alkylol and -alk-O-alk-OH radicles, at least one of said groups R_3 and R_4 being a member selected from the group consisting of hydrogen, alkylol and -alk-O-alk-OH radicals and R_5 represents a member selected from the group consisting of hydrogen, alkylol and -alk-O-alk-OH with a high-molecular organic acid substance, selected from the group consisting of fatty acids containing at least 8 carbon atoms, halides and esters of said acids, and monocyclic aromatic sulphonic acids, and esters and halides of said acids.

2,187,824

AUTOMATIC TRANSMISSION RATIO CHANGER

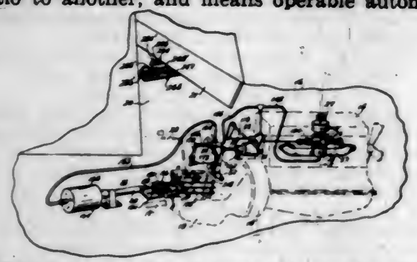
Karl B. Britton, Cleveland Heights, Ohio, assignor to Britton Controls, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 14, 1937, Serial No. 120,526

29 Claims. (Cl. 192—.01)

1. In combination, an internal combustion engine having an intake, a transmission providing

a plurality of power transmission ratios, automatically operable means for shifting from one ratio to another, and means operable automat-



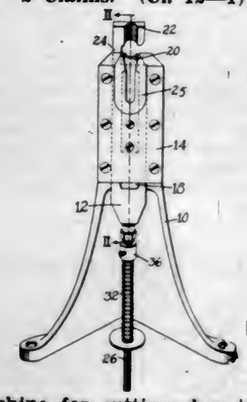
ically in response to changes in intake pressure and velocity for controlling the first mentioned automatic means.

2,187,825
MANUFACTURE OF SHOE HEELS
Thomas Baggott Clarke, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 12, 1938, Serial No. 234,662
In Great Britain November 2, 1937
6 Claims. (Cl. 12—147)



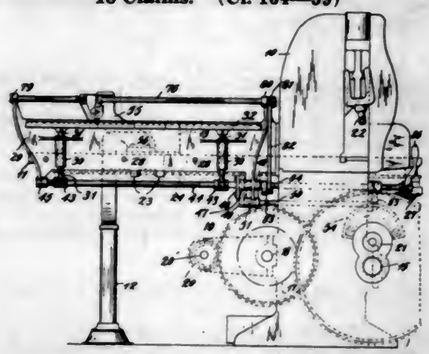
1. The method of making a heel which comprises assembling a plurality of heel lifts into a pile, driving a headless nail into said pile, and then upsetting both ends of the nail, one upon the tread face end and the other upon the attaching face end of the heel.

2,187,826
MACHINE FOR CUTTING SHOE TREEING STICKS
Paul H. Dixon, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 1, 1938, Serial No. 188,112
2 Claims. (Cl. 12—1)



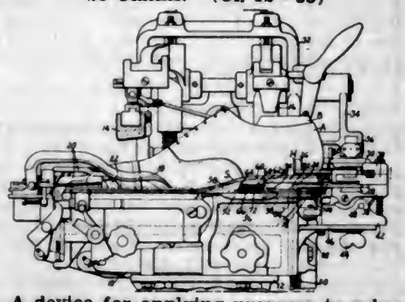
1. A machine for cutting shoe treeing sticks comprising a fixed knife, a work locating member extending along one side of the knife and having a curved seat adapted to engage and position the counter portion of a shoe in spaced relation to the edge of the knife, and a movable knife on the other side of the fixed knife and cooperable therewith to sever the treeing stick at a predetermined distance beyond the counter portion of the shoe.

2,187,827
PAPER CUTTER
Walter C. Eickman, Dayton, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application December 15, 1937, Serial No. 179,936
18 Claims. (Cl. 164—59)



1. In a machine of the class described, a stop movable with the work, a stop fixed with respect to the work travel, said stops being adapted to engage each other when the work is advanced to a desired stop position and being movable relatively toward and away from each other in a direction at right angles to the work travel, and means tending to tilt one of said stops to swing its free end into position to jump the stop surface of the other stop as soon as said relative right angle movement permits, whereupon the work may be advanced beyond the said stop position.

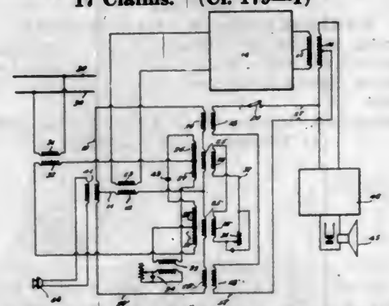
2,187,828
SOLE PRESSING MACHINE
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 5, 1938, Serial No. 233,381
23 Claims. (Cl. 12—33)



1. A device for applying pressure to soles and shoes comprising a pad for supporting a shoe and a sole having a heel attached thereto, and an auxiliary pad mounted on said supporting pad for pivotal movement relatively thereto and having an upper surface adapted to engage the

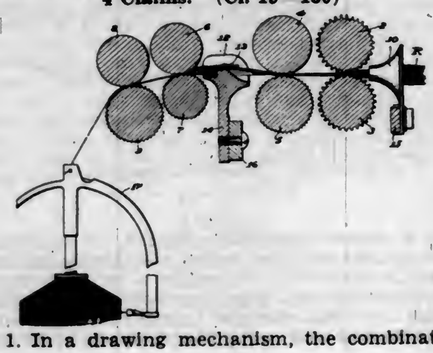
shank portion only of the sole and an upstanding surface arranged to engage the breast of the heel on the sole, said upstanding surface being of sufficient width to engage the opposite corners of the breast of said heel.

2,187,829
COMMUNICATION SYSTEM
William E. Harding, Indianapolis, Ind.
Application April 15, 1938, Serial No. 202,196
17 Claims. (Cl. 179—1)



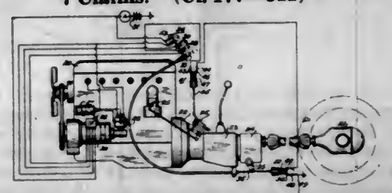
1. A booster for telephone lines or the like; comprising a pair of balanced circuits including a bridge portion common to both; an amplifier having an input circuit coupled to said bridge portion and an output circuit coupled independently to said two balanced circuits; two four-winding transformers having their primaries connected respectively in said balanced circuits; an intermediate line-circuit including, in order, a secondary winding of one of said transformers, an impedance, and a secondary winding of the other transformer; the line being coupled to said intermediate circuit at a point therein between the said two transformer windings; a connection including another secondary winding of each transformer and extending across said intermediate circuit from a point between one of the windings therein and said impedance to a point between the other winding therein and the coupling with the line; and a compensating circuit including an impedance and the remaining windings of said transformers connected in series and in opposed relation.

2,187,830
DRAFTING MECHANISM FOR ROVINGS, SLIVERS, AND THE LIKE
Robert M. Jones, Biddeford, Maine, assignor, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine, a corporation of Maine
Application February 23, 1937, Serial No. 127,055
4 Claims. (Cl. 19—130)



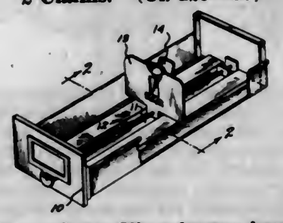
1. In a drawing mechanism, the combination with a plurality of pairs of upper and lower rolls arranged to feed and draw a roving, of a guide located between adjacent pairs of said rolls and provided with a tapered guideway for the passage of said roving as it travels from one of said pairs of rolls to another, said guideway having a wide receiving end and a constricted delivery end with smooth surfaces connecting said ends for supporting and forming the roving, a member in said guideway around which the roving is formed by said surfaces, means supporting said guide for movement into and out of its cooperative relationship to said rolls, a spring serving to hold said guide normally in said relationship but permitting said movement out of its normal position, and means cooperating with said spring to determine said normal position.

2,187,831
OVERDRIVE INDICATOR
Max E. Lange, Cleveland Heights, Ohio
Application July 6, 1936, Serial No. 89,058
7 Claims. (Cl. 177—311)



1. In a motor vehicle having an engine and driving axle, an accelerator manually operable to control engine speed, a transmission mechanism between the engine and axle including an overrunning clutch and gearing providing an overdrive ratio between engine and axle, said mechanism also including speed responsive means for rendering said gearing operative, and signal means for automatically indicating when said gearing has been rendered operative comprising an electric signal device and a pair of switches controlling said device and connected in series with each other, a circuit for energizing said signal device and including the series connected switches, one of said switches being arranged to close upon release of said accelerator, and means responsive to predetermined engine speed for closing the other switch.

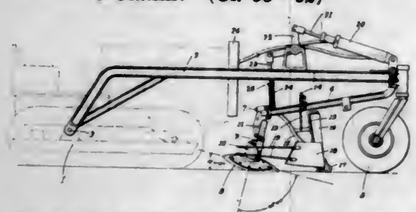
2,187,832
FOLLOWER FOR CARD DRAWERS OR THE LIKE
Forest L. W. Link, Silverton, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application December 19, 1938, Serial No. 246,584
2 Claims. (Cl. 129—30)



1. A follower for a filing drawer having a longitudinal rod, comprising a follower plate having a rod receiving aperture, an inverted T-shaped portion struck out from said plate and bent rearwardly and the leg portion of said T-

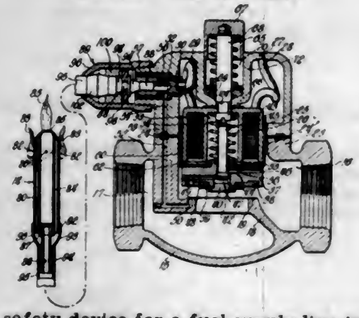
shaped portion being bent downwardly to form an outrigger, a rod receiving aperture in said outrigger, and a locking lever having a rod receiving aperture and a slot therein, said slot being of a width to accommodate only said leg portion and being thereby pivoted against the head of said T-shaped portion, and means urging said lever to a non-vertical position whereby to cause the rod receiving aperture to bind against said rod.

2,187,833
BEAN CUTTER
George M. Lock and Arthur O. Rasmussen, Modesto, Calif.
Application September 22, 1936, Serial No. 101,950
3 Claims. (Cl. 55—62)



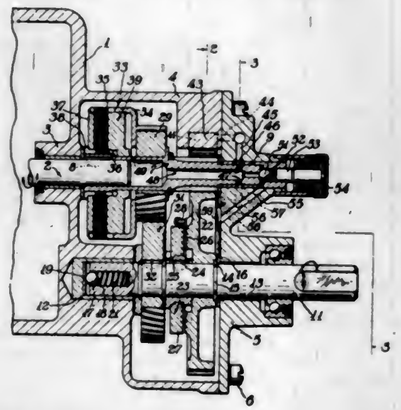
1. In a vine cutter the combination of a supporting frame, a flat disc mounted on the frame and being free to rotate, such disc being canted at such an angle to the horizon as to cause the front edge of the disc to engage and project just under the earth through an arc of substantially ninety degrees rearwardly on one side from the foremost point of said edge of the disc, whereby the friction of the earth against the disc as the frame moves forwardly will cause the disc to rotate.

2,187,834
MAGNETIC VALVE
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application January 8, 1937, Serial No. 119,557. Divided and this application December 31, 1937, Serial No. 182,669
13 Claims. (Cl. 137—139)



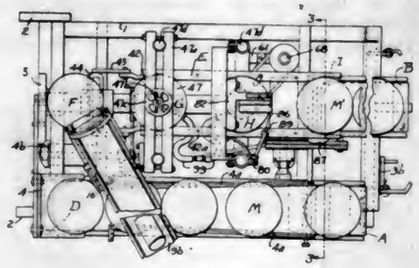
1. A safety device for a fuel supply line including a valve body, a valve seat therein, a valve engageable with said seat and having an armature, magnetic means reciprocably mounted with respect to said valve, primary spring means normally urging said magnetic means away from said seat, secondary spring means biased between said magnetic means and said armature and normally urging said valve into engagement with said seat, energizing means for said magnetic means capable of holding said armature in attracted position thereon but incapable of moving said armature from valve closed position into attracted position against the pressure of said secondary spring means, and resetting means for manually moving said magnetic means into engagement with said armature against the pressure of said primary spring means whereby said valve is moved to open position upon release of said resetting means when said magnetic means is energized at the time of release of said resetting means.

2,187,835
VARIABLE SPEED TRANSMISSION
Thomas B. Martin, Ithaca, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 1, 1937, Serial No. 166,844
11 Claims. (Cl. 74—368)



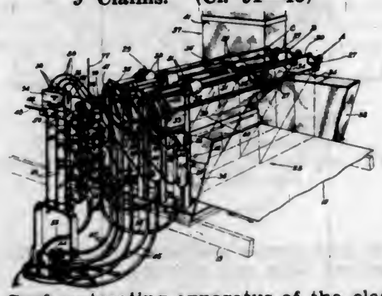
1. Transmission means including a gear train and a friction clutch, fluid-pressure means for closing said clutch, and torque-responsive means for relieving the fluid pressure to thereby limit the transmission of torque through the gear train.

2,187,836
METHOD OF AND APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa.
Application February 9, 1935, Serial No. 5,795
25 Claims. (Cl. 25—22)



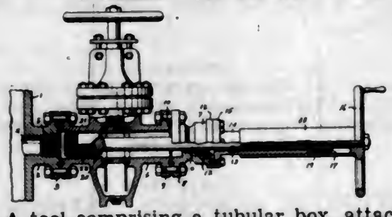
1. A jiggering machine having, in combination, a mold charging means, a support arranged in registration with the means, a mold conveyor, an intermittently operating means for moving molds from said conveyor to said support, means for elevating said support, and means operating in timed relation with the elevation of said support for severing and gravitating a charge onto said mold incident to the elevation thereof.

2,187,837
MULTIPLE ACTION SURFACE TREATMENT
Jens A. Paasche, Wilmette, Ill.
Application November 19, 1936, Serial No. 111,632
9 Claims. (Cl. 91—45)



1. Surface treating apparatus of the class described comprising, in combination, means for continuously moving an object having a surface to be treated along a given path, means including a plurality of pneumatically actuated spray creating devices arranged along said path and trained toward said surface, and means for selectively operating said devices in numerical ratio directly proportionate to the speed of movement of the object whereby the amount of spray material deposited per unit area upon said surface will be substantially constant although said object may be moved at variable speeds.

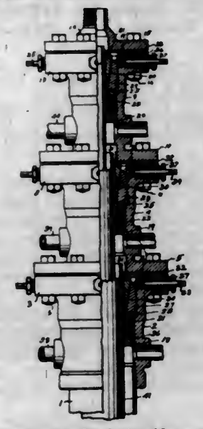
2,187,838
VALVE REMOVING TOOL
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application March 7, 1938, Serial No. 194,373
2 Claims. (Cl. 29—84)



1. A tool comprising a tubular box, attaching means on one end of the box, a tubular housing extended from the other end of the box, an operating stem extending through the housing and box, sealing means between the stem and box, means forming a threaded connection between the outer end of the housing and stem, means on one end of the stem for rotating the stem, a tubular shield on said rotating means having a telescoping connection with the housing, means forming a seal between the shield and housing and a wrench on the other end of the stem.

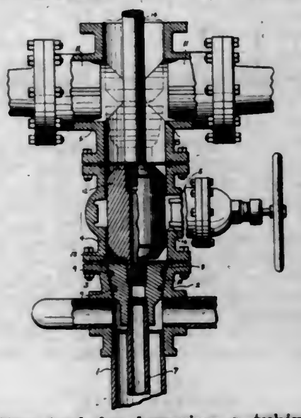
2,187,839
CASING HEAD
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application March 7, 1938, Serial No. 194,374
5 Claims. (Cl. 166—14)

1. In a casing head, a tubular head member having an inside seat and whose upper end is internally enlarged, an annular sealing member fitted closely within the head above the seat and resting on the seat and whose upper end extends upwardly into and is spaced from the wall of the enlarged portion of the head, said sealing member being shaped to surround an inner pipe, a



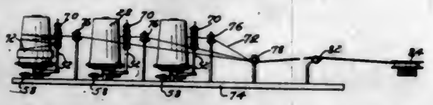
slip adapter fitted clisely into the enlarged upper portion of the head member and whose lower end is seated on the sealing means, slips in the adapter engageable with said inner pipe and effective to support the weight of the pipe on the sealing member beneath and radially movable locking means in the head member engageable with and releasable from the adapter.

2,187,840
SEATING TOOL
Arthur J. Penick, Houston, Tex.
Application July 9, 1938, Serial No. 218,303
1 Claim. (Cl. 166—15)



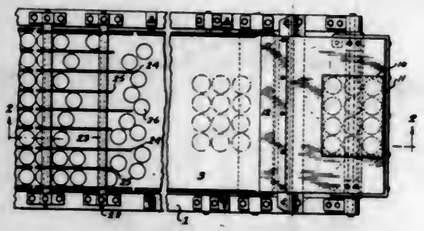
A seating tool for lowering a tubing hanger, having packing on its external face, into a tubular well head having an internal projection, said tool comprising a tubular guide of a length, axially, greater than that of the hanger and having a cylindrical, external surface and formed with beveled ends, means for attaching the guide to the hanger, means for lowering the assembled guide and hanger into the head, the cylindrical surface of the guide being shaped to ride against the inside wall of the head and to hold the packing spaced inwardly from said projection.

2,187,841
WIRE WINDING APPARATUS
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Original application November 29, 1935, Serial No. 52,065. Divided and this application January 28, 1938, Serial No. 187,508
4 Claims. (Cl. 242—25)



1. In a winding unit including a plurality of swifts rotatable about vertical axes and arranged to permit the unwinding of wire therefrom under substantially uniform tension the combination of, guide rollers receiving wires from said swifts and maintaining them in separated relationship, the first of said rollers being on a horizontal axis and the second being on an inclined axis, guide rollers on vertical axes receiving the wires from the inclined guide roller and feeding them as a band of adjacent parallel wires, and means for winding said band of wires on a spool.

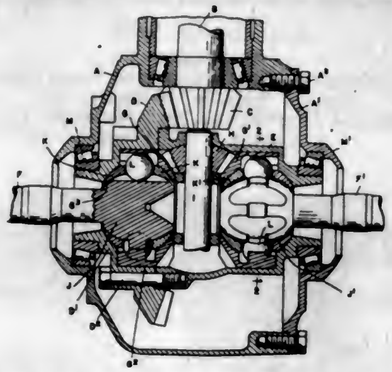
2,187,842
CONTAINER UNLOADING AND ROUTING MEANS
James A. Rheinstrom, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application December 24, 1936, Serial No. 117,597
3 Claims. (Cl. 198—30)



1. In a device for the arrangement of files of containers, an entering table along which said containers are caused to move, and a series of thin guide plates for confining said containers to individual files as said containers pass therebetween, said guide plates terminating over said table at different effective distances from any line transverse to said table and being staggered, whereby said containers are prevented from jamming or locking against the ends of said guide plates.

2,187,843
DRIVING AXLE
Alfred H. Rzeppa, Grosse Pointe, Mich.
Application February 21, 1938, Serial No. 191,746
3 Claims. (Cl. 74—311)

1. In an axle, a differential gearing having coaxial driven gears, an integral carrier for said gearing formed with cylindrical portions constituting bearings for said driven gears and provided with an opening in the central portion of the wall thereof, axle shafts extending into said carrier, and a constant velocity type of universal joint for transmitting torque from each of said driven gears to the corresponding axle, said universal joint and gear constituting an assembly insertable through the central opening in the



wall of said carrier and adjustable axially into engagement with said cylindrical bearing.

2,187,844
MANUFACTURE OF COATED STRIP FOR TUBING PRODUCTION
Charles A. Scharschu, Brackenridge, Pa., assignor to Allegheny Steel Company, a corporation of Pennsylvania
No Drawing. Application December 29, 1936, Serial No. 118,122. Renewed November 28, 1938
13 Claims. (Cl. 148—16)

11. In a method of making metal tubing of the character set forth, the steps which comprise providing a metal strip with a thin metallic coating, subjecting the coated strip to a box annealing operation in a hydrogen atmosphere at a temperature not less than about 1350° F. and not more than about 1900° F. prior to forming the coated strip into tubing and continuing such annealing for a period of time sufficient to reduce the oxide content of both the metal strip and the metal coating.

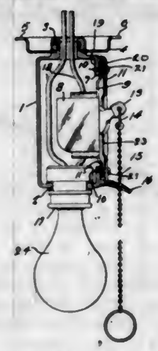
2,187,845
CLEAN-OUT TOOL
Eli Tatalovich, Herrin, Ill.
Application August 14, 1939, Serial No. 289,989
4 Claims. (Cl. 166—19)



1. A clean-out tool of oil wells and the like

comprising an elongated shell, a tube disposed coaxially within the shell in the provision intermediate the shell and tube of an annular bucket chamber, means including a screw-conveyor rotatable in the tube for propelling a stream of excavated material upwardly through the tube, means mounted transversely within the shell in spaced relation to the upper end of the tube and having an arcuately shaped annular channel for deflecting the stream of excavated material from the tube into the bucket chamber, and a closure removably mounted on the shell at the bottom of the bucket chamber.

2,187,846
ELECTRIC LIGHT FIXTURE
Leslie J. Williams, Pontiac, Mich.
Application August 3, 1937, Serial No. 157,192
1 Claim. (Cl. 173—354)



A light fixture comprising a box having an opening in one of the walls thereof, means for securing said box to a support, a closure plate for the opening removably mounted on the box and having an opening therein, a keeper projecting from said closure plate and having a substantially keyhole shaped slot therein, a switch mounted in the box and including an operating lever operable in the opening in the closure plate, and a pull chain operable in the substantially keyhole-shaped slot and connected to the switch lever for closing the switch and engageable in the restricted end portion of said substantially keyhole shaped slot in the keeper for securing the switch in closed position.

2,187,847
CONDENSATION PRODUCTS OF BUTYROLACTONES AND PRIMARY AMINES OF THE AROMATIC AND HETEROCYCLIC SERIES
Hans Andersag, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 22, 1936. Serial No. 86,691. In Germany June 27, 1935
10 Claims. (Cl. 260—344)

7. Condensation products of the general formula

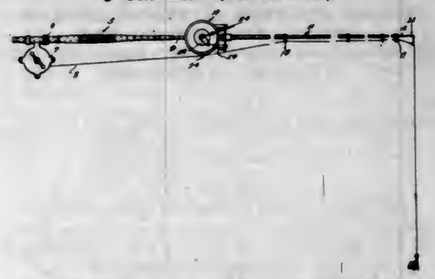
$$R{-}C(R_1){=}N{-}R_2$$

wherein R stands for a radical selected from the group consisting of alkyl, phenyl and benzyl radicals, R_1 stands for a butyrolactone radical which is linked through its alpha-carbon atom, and R_2 stands for a radical a nuclear carbon atom of which is directly linked to the nitrogen atom selected from the group consisting of phenyl radicals and naphthyl radicals.

2,187,848
PERMANENTLY STIFFENED COLLAR AND THE LIKE
Wyly M. Billing, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 25, 1935, Serial No. 18,257
11 Claims. (Cl. 154—46)

1. A substantially permanently stiffened, laundering-resistant laminated cloth article of the character of shirt collars, shirt cuffs, dress shirt bosoms, and the like which are designed for wearing apparel and require laundering after use comprising at least two layers of cloth fabric and a layer of thermoplastic, non-bleeding bonding material, of sufficient thickness to give substantial stiffness and resiliency to the laminated article, interposed between each fabric layer and the fabric layer adjacent thereto and adhesively uniting said fabric layers, said bonding material comprising essentially a chlorine-containing rubber compound having a chlorine content of not less than 28% and selected from the group consisting of chlorinated rubber, rubber hydrochloride and chlorinated rubber hydrochloride.

2,187,849
FISHING POLE
Charles V. Buddenbrock, Trinidad, Colo.
Application September 1, 1938, Serial No. 228,055
6 Claims. (Cl. 43—43)

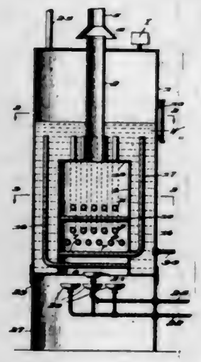


1. A fishing pole comprising a hollow telescopic staff, a frame connected to said staff, a handle connected to said frame and supported in alignment with the staff by the frame and carrying a fishing reel, guides on the staff to receive a line fed off the reel, a shaft rotatably supported by the frame and in alignment with the handle and staff, an operating rod detachably connected to said shaft and extending into the staff, means for rotating said shaft in one direction and in opposite directions, a coupling element connected with said operating rod and projecting out of the free end of the staff, and a line engaging element connected to the operating rod by the coupling element to engage and disengage with the line for the purpose of imparting a jerking movement thereto.

2,187,850
BOILER
Robert L. Byrum, Middletown, Ohio
Application December 16, 1938, Serial No. 246,220
4 Claims. (Cl. 122—166)

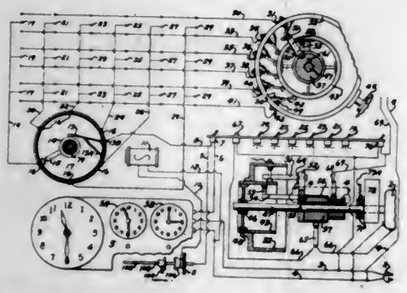
1. In a boiler of the class described, a fire chamber, a liquid chamber above and around said fire chamber, a plurality of adjacent pairs of rows of water tubes extending transversely of said fire chamber between opposite points in said water chamber, each pair of rows of tubes extending transversely to another pair of rows

of tubes, and tubular extensions connected to said water tubes at the opposite ends of the rows of tubes constituting the pair thereof, said extensions directed upwardly for a substantial



extent in said water chamber and terminating below the level of the water therein to conduct the water heated in the transverse portions of said water tubes to the upper part of the body of water in said water chamber.

2,187,851
RADIO STATION CONTROL SYSTEM
Adam G. Foss, Detroit, Mich.
Application December 20, 1937, Serial No. 180,784
3 Claims. (Cl. 250—40)



1. In a radio station control system, a shaft, a driving motor therefor, a drum secured thereto, a metal cylinder within said drum and secured thereto, a plurality of trolleys pivoted on the inner surface of said drum and spring means to bias said trolleys agaisnt the outer surface of said cylinder, a lever secured to said shaft, an arm cooperating with said trolleys and secured to the end of said lever at right angles thereto, a source of current and a plurality of selectable circuits from said source, through said trolleys and cylinder to said motor whereby, upon energization of one of said circuits through one of said trolleys, said motor moves said lever and arm to a position where said arm moves said trolley out of contact with said cylinder to open said circuit and stop the motor.

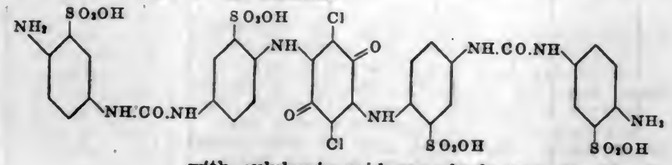
2,187,852
FRACTURE NAIL AND FRACTURE NAIL DRIVER
William D. Friddle, Greenville, S. C.
Application August 18, 1936, Serial No. 96,657
5 Claims. (Cl. 128—92)



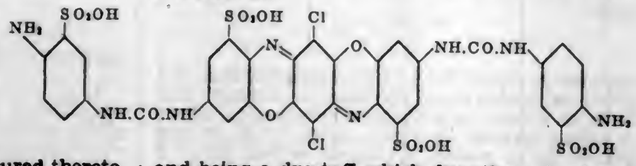
1. The combination of a fracture-nail and driver, including a nail having a drilled and tapped head, a rod, and a screw-threaded projection on said rod.

2,187,853
DYESTUFF-SULPHONIC ACIDS OF THE DIOXAZINE SERIES
Heinrich Greune and Max Thiele, Frankfort-on-the-Main-Hochst, and Gerhard Langbein, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application January 20, 1936, Serial No. 59,994. Divided and this application September 1, 1938, Serial No. 228,050. In Germany January 23, 1935
1 Claim. (Cl. 260—246)

The product obtained by heating a compound of the formula

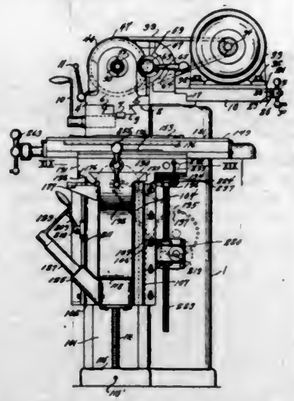


with sulphuric acid monohydrate under conditions to effect ring closure, said product having the formula



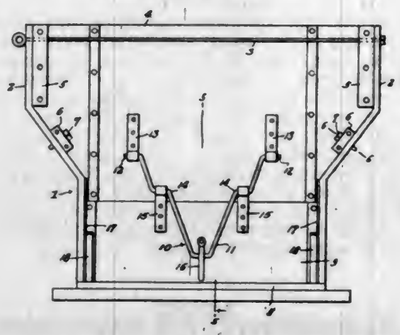
and being a dyestuff which dyes the animal and vegetable fiber, as well as viscose artificial silk and mixed fabrics clear blue tints.

2,187,854
ADAPTABLE MACHINE TOOL
George E. Hallenbeck and Conrad Jobst, Toledo, Ohio, assignors to Baker Brothers, Inc., Toledo, Ohio, a corporation of Ohio
Application February 24, 1937, Serial No. 127,455
14 Claims. (Cl. 90—21)



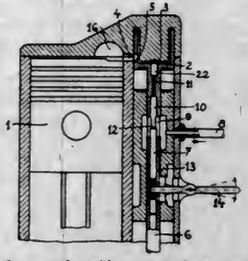
1. A main frame, there being intersecting directing guides thereon, a primary and secondary auxiliary frame mounted from each guide, a rotary prime mover on one of the primary frames, independently operable rotation transmission means from the other primary frame, relatively adjustable rotatable means on the secondary frame driven from said respective transmission means, and main-frame-carried control means for said transmission means.

2,187,855
ENDGATE
Frederick J. Imlay, Cleghorn, Iowa
Application February 9, 1939, Serial No. 255,504
1 Claim. (Cl. 296—56)



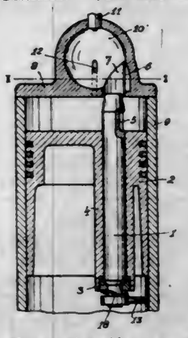
An endgate comprising, in combination with a vehicle box, a rod extending horizontally between the sides of said box, a main section mounted on said rod for swinging movement in a vertical plane, a substantially V-shaped bail mounted for swinging movement on said main section, a lower section hingedly connected to said bail at an intermediate point for swinging movement thereon, and a fastener mounted on the lower section, said fastener being engageable with the bail and with the rod and constituting common means for releasably securing said lower section in either closed or open position.

2,187,856
INTERNAL COMBUSTION ENGINE
George Stephen Kammer, Budapest, Hungary
Original application August 18, 1937, Serial No. 159,777. Divided and this application January 31, 1938, Serial No. 187,998. In Germany August 28, 1936
1 Claim. (Cl. 123—33)



An internal combustion engine comprising a working cylinder and piston, a mixing chamber casing immediately beyond the working cylinder, a mixing chamber formed within said casing, a fuel jet terminating in said chamber, a member movable to vary the volume of the chamber and provided with a port to register in the minimum volume position with a passage communicating with the working cylinder, a rod connecting the said member to timed operating means, the rod being hollowed to form a fuel pump cylinder communicating with the jet, means for admitting fuel to the fuel pump, a piston to cooperate with the fuel pump cylinder, and a member extending through the casing with one end cooperating with the piston to hold the latter fixed in operation, the member being movable from beyond the casing to change the normally operative vertical position of the piston within the fuel pump cylinder.

2,187,857
INTERNAL COMBUSTION ENGINE
George Stephen Kammer, Budapest, Hungary
Application June 27, 1938, Serial No. 216,089
In Germany May 25, 1938
5 Claims. (Cl. 123—33)



1. An internal combustion engine comprising in combination a working cylinder, a combustion chamber separate therefrom but connected to it by at least one passage, a fuel nozzle terminating in the combustion chamber, a piston operating within the cylinder, an adjustable member mounted on the piston and entering the passage communicating with the combustion chamber so as to throttle this passage when the piston is at its inner dead centre and to release such throttling at a predetermined rate when the piston is moving away from said dead centre, and speed

responsive means for varying the position of the adjustable member to increase the area of the throttled passage with increases in the engine speed and vice versa.

2,187,858
METHOD OF PRODUCING IMPREGNATING COMPOSITIONS
Rudolf Kern, Oschatz, Germany, assignor to the firm Chemische Fabrik R. Baumheier Kommanditgesellschaft, Oschatz-Zschollau, Germany
No Drawing. Application April 15, 1936, Serial No. 74,593. In Germany August 6, 1930
3 Claims. (Cl. 134—15)

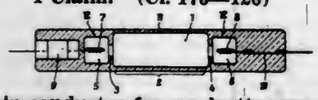
3. A method of producing impregnating substances for water-proofing textile materials, which consists in dissolving 35 parts glue in 100 parts water and emulsifying therein 6 parts of a semi-drying fatty acid and adding a solution containing 2 parts potassium hydroxide, water, and 200 parts of a formate of a metal selected from the group consisting of aluminum, magnesium, zinc, lead, and copper, adding thereto 110 parts paraffin, 90 parts paraffin oil, and 30 parts montan wax, and thereupon homogenizing the emulsion produced at a temperature of 55° to 70° centigrade and a pressure of at least 150 atmospheres.

2,187,859
PROCESS AND APPARATUS FOR CONDITIONING COMMODITIES
Ralph Killingstad, New Smyrna, Fla., assignor, by mesne assignments, to General American Precooling Corporation, Chicago, Ill., a corporation of Delaware
Application June 27, 1936, Serial No. 87,796
6 Claims. (Cl. 98—6)



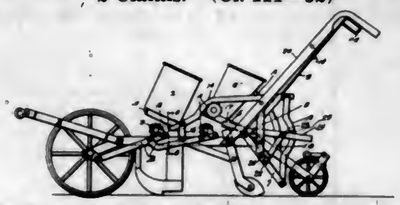
1. A method of conditioning the contents of a chamber comprising introducing a stream of conditioned air at a point in the chamber above the contents, directing such stream into the contents at a point remote from its entrance into the chamber while preventing its contacting the contents when passing from the first to the second point, then passing the air through the contents, and exhausting the air from the chamber by causing the stream to pass upwardly out of the contents and thence to a discharge opening from the chamber below the top of the contents.

2,187,860
LEAD-IN CONDUCTOR FOR MERCURY VAPOR TUBES
Franz Lauster, Hanau-on-the-Main, Germany
Application November 4, 1936, Serial No. 109,177
1 Claim. (Cl. 176—126)



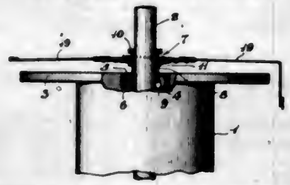
A lead-in conductor for conducting currents of up to 10 amperes to high pressure mercury vapor tubes made of quartz and having solid end portions comprising a strip metal foil having its ends folded back and wires connected to said foil by passing between the layers of the folded back ends of the foil, the foil including at least a portion of the folds embedded in quartz.

2,187,861
COTTON PLANTER
Gervis Martel, Eunice, La.
Application April 21, 1938, Serial No. 203,389
2 Claims. (Cl. 111—52)



2. In a planter, an implement frame, handles mounted on said frame, a pair of seed hopper supporting frames pivotally supported at their rear ends on the implement frame and adapted to be tilted, seed hoppers supported on said frames and provided with feed means, gearings supported on said implement frame and operating the feed means upon the hopper frames being in downwardly tilted position, said feed means disengaging from the gearings upon the hopper frames being tilted upwardly, lever means supported on said frame and including elements engaging beneath the hopper frames for tilting the frames upwardly, and manually controlled operating means connected to said lever means.

2,187,862
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application July 11, 1939, Serial No. 283,880
15 Claims. (Cl. 57—116)



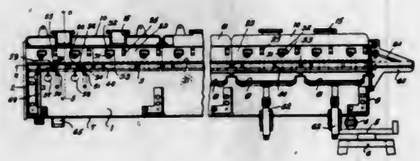
1. A flier for spinning machines and the like, comprising a centrally apertured body member having base and head portions, a peripheral flange formed on the body portion between the base and the head portions, a flier wire support member adapted to fit over the head portion of the flier body in contact with the upper surface of the peripheral flange, and means to securely clamp said support member to the flier body comprising a cap adapted to fit over the base of the flier body against the under surface of the peripheral flange, portions of said cap being attached to the flier wire support member.

2,187,863
WATCH CRYSTAL FOR WATERTIGHT WATCHES
Ernest Morf, La Chaux-de-Fonds, Switzerland
Application February 6, 1937, Serial No. 124,495
In Switzerland May 11, 1936
3 Claims. (Cl. 58—91)



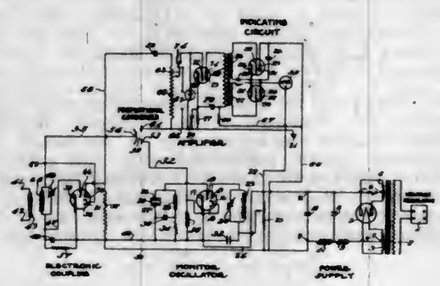
1. A watch crystal of resilient transparent synthetic resin having edges, one surface of said edges comprising a permanently soft synthetic resin material.

2,187,864
METHOD OF MAKING COMPOSITE BEARING STRIPS
John V. O. Palm, Cleveland Heights, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application June 14, 1939, Serial No. 279,215
3 Claims. (Cl. 148—3)



1. In a method of making a composite plastic bronze strip, the steps of applying a molten plastic bronze layer to a ferrous backing metal strip having a carbon content less than 0.30% at a temperature above the critical range of said ferrous strip, quickly cooling said bronze layer to a temperature sufficient to solidify the copper constituent of said bronze layer, but not below the critical range of said backing metal strip, then slowly cooling said strip to a temperature below the critical range of said backing metal strip, then quickly cooling to atmospheric temperature, and enclosing said backing metal strip and said bronze layer in a non-oxidizing atmosphere during the performance of the foregoing steps.

2,187,865
RADIO FREQUENCY DRIFT INDICATOR
William S. Potter, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1935, Serial No. 40,837
16 Claims. (Cl. 250—39)



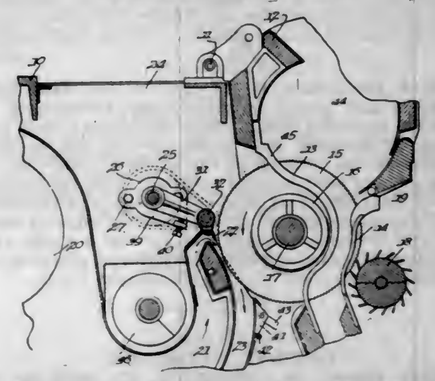
10. A frequency measuring system comprising a circuit tuneable to resonance with the frequency to be measured and embodying a thermionic valve, means for coupling a radio frequency potential to be measured to said tuneable circuit, an oscillator having a predetermined substantially constant frequency and embodying a thermionic valve, means to couple said circuit and oscillator to develop a frequency beat, a multiple plate condenser, a diode plate in said first thermionic valve and coupled to one plate of said condenser, a diode plate in the second thermionic valve and coupled to another plate of said condenser, and means to measure the beat frequency coupled to a third plate of said condenser.

2,187,866
PROGRESSIVE-BURNING SMOKELESS POWDER AND METHOD OF MANUFACTURE
Harold M. Spurlin and Gustave H. Pfeiffer, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 28, 1936, Serial No. 117,890
12 Claims. (Cl. 52—5)

7. In the method of preparing a progressive burning smokeless powder characterized by nearly complete freedom from progressive penetration of the powder grains by the deterrent coating when the powder is aged under normal storage conditions, the step which comprises surface-coating smokeless powder grains without substantial initial deterrent penetration beneath the surface of the grains, the said penetration being largely mechanical but slight in any event, with a non-volatile, non-explosive organic deterrent which is a non-solvent for nitrocellulose but compatible therewith.

8. As a new product, smokeless powder grains characterized by nearly complete freedom from progressive penetration of the powder grains by the deterrent coating when the powder is aged under normal storage conditions, surface-coated without substantial initial deterrent penetration beneath the surface of the grains, the said penetration being largely mechanical but slight in any event, with a non-volatile, non-explosive organic deterrent which is a non-solvent for nitrocellulose but compatible therewith.

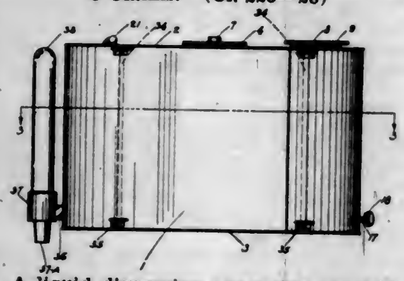
2,187,867
REVOLUBLE MOTE BOARD
John A. Streun, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a corporation of Texas
Application July 23, 1938, Serial No. 220,978
12 Claims. (Cl. 19—58)



12. In an air blast top moting gin, gin saws, a chamber for receiving the mote as it is discharged from the saws, an imperforate air blast nozzle adjacent the teeth of the saws for removing the lint therefrom, a roller above the nozzle and in proximity to the teeth of the saws, said roller having a smooth mote-receiving outer surface and constituting a revoluble smooth-surfaced mote board which receives and discharges motes that impinge thereon into said chamber, the smooth surface of said roller preventing motes and stringy material from adhering and winding thereon, and means for rotating the roller in the same direction as the saws, so that motes that impinge on the mote board are

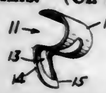
thrown outwardly away from said roller into the chamber and are prevented from adhering to and accumulating on the mote board.

2,187,868
LIQUID DISPENSING APPARATUS
Charles W. Sweitzer, Shawnee, Okla.
Application March 24, 1938, Serial No. 197,918
8 Claims. (Cl. 225—28)



1. A liquid dispensing apparatus comprising a container, a pump for drawing off the liquid within the container comprising a barrel having one end portion in communication with the container and the opposite end portion having a discharge, a piston working in the barrel, a receptacle for dry ice, and means for delivering the gas resulting from the evaporation of said dry ice within the barrel of the pump at a point between the discharge of the barrel and the communication of the barrel with the container.

2,187,869
ATTACHING CLIP FOR ROOF GUTTERS
John A. Tobin, Philadelphia, Pa.
Application December 5, 1938, Serial No. 243,926
4 Claims. (Cl. 24—73)



3. A preformed, metal clip for use with roof gutters and gutter hanger circles comprising, a curved resilient portion adapted to snap over the edge of a gutter and to secure the clip to said gutter, a roll formed of the metal of said clip at one edge of said portion reversely bent to provide a reinforcement of said edge, and a depending portion extending from the opposite edge of said curved resilient portion and having a ridge extending out of the plane thereof and adapted to embrace one edge of a gutter hanger circle.

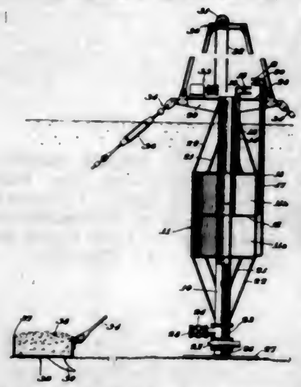
2,187,870
DISPLAY STANDARD
James Veccia, St. Albans, N. Y., assignor to Kennerly Press, Inc., New York, N. Y., a corporation of New York
Application October 23, 1939, Serial No. 300,743
2 Claims. (Cl. 40—125)

1. A display standard comprising three rigid spaced horizontal members, the two upper ones of said members being connected together at each end by a pair of rigid links, the two lower ones of said members being connected together at each end by a pair of rigid links, each of said links being pivotally attached to one of said members and to the other link of its pair, said links being movable to a collapsed position parallel with said members, a prop pivotally attached to said standard and movable to a collapsed position parallel with said members, and a display sheet attached to the upper one of said



members and free to be rolled as a cover about the standard when in collapsed position.

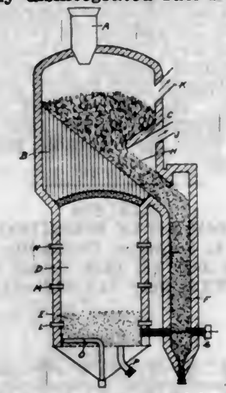
2,187,871
UNDERWATER DRILLING
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 9, 1937, Serial No. 158,005
7 Claims. (Cl. 255—1)



1. Apparatus for drilling subaqueous wells comprising an elongated primary caisson through which drilling operations may be conducted, an auxiliary caisson associated with said primary caisson adapted when empty to cause said primary caisson to float with its longitudinal axis in a substantially horizontal position, and means for flooding said auxiliary caisson.

2,187,872
GAS PRODUCER FOR GASIFYING GRANULAR FUELS
Fritz Winkler and Eduard Linckh, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application November 10, 1937, Serial No. 173,816
In Germany December 2, 1936
1 Claim. (Cl. 48—76)

A gas producer for gasifying granular fuel which disintegrates, upon being heated, which comprises a gasification chamber, the upper and lower portions of which are separated by at least one inclined grate, a shaft outside said gasification chamber leading from said grate to the lower part of said gasification chamber, means for conveying hot gases from said gasification chamber through the openings in said inclined grate, means for conveying preheated and at least partially disintegrated fuel from the lower



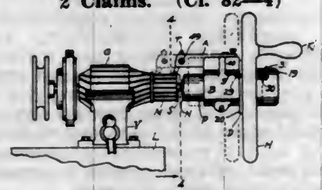
part of said shaft into the fuel bed in the lower part of said gasification chamber, and means for introducing a fluid gasifying agent into said gasification chamber.

2,187,873
FLEXIBLE WIRE TUBING
Otto J. Bratz, Adrian, Mich., assignor, by mesne assignments, to American Chain & Cable Company, Inc., a corporation of New York
Original application April 9, 1935, Serial No. 15,405, now Patent No. 2,137,712, dated November 22, 1938. Divided and this application November 21, 1936, Serial No. 112,060
6 Claims. (Cl. 138—50)



6. A flexible tubular structure comprising at least one helical coil of wire, a tubular fitting on the coil, said tubular fitting comprising a helical wrapping of metal ribbon in a state of impactment upon the coil and in which the convolutions of the coil are embedded at least in part.

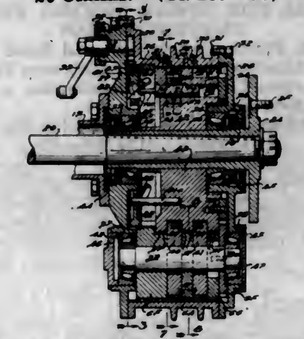
2,187,874
ARMATURE RECUTTING TOOL
Allen Burrows, Brockton, and Walter H. Rhindress, Braintree, Mass.
Application August 9, 1937, Serial No. 158,062
2 Claims. (Cl. 82—4)



1. In a tool for recutting commutators of armatures which are mounted on a shaft; the combination of a supporting cylinder having at one end means to attach it to the shaft and at the other end an internally threaded hole with the axes of the attaching means, the shaft, the cylinder and the hole coinciding; with a rider slidable and revoluble on the cylinder and provided with a locking pin and a cutter carrier

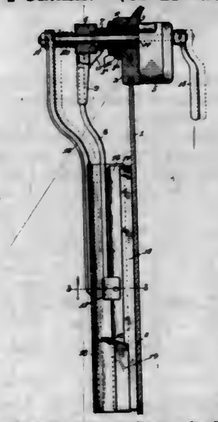
recess; a hand wheel which carries a screw shaft in engagement with the threaded hole in the cylinder and a locking latch in engagement with the locking pin; and a cutter holder pivoted in the recess and including means to adjust it radially and to hold it in place and means to hold a cutter in a position beyond the holding cylinder.

2,187,875
FLUID ROTOR
Mason P. Carpenter, Punta Gorda, Fla., assignor to International Frictionless Brake Corporation, Lansing, Mich., a corporation of Michigan
Application April 29, 1937, Serial No. 139,803
20 Claims. (Cl. 188—90)



1. In a device of the character described, a casing, a main rotor mounted in the casing to form therewith a pair of fluid channels about the periphery of the rotor, a pair of valves pivotally mounted on the main rotor, each of said valves being adapted to be moved into and out of said fluid channels to vary the cross-sectional area thereof, and a pair of auxiliary rotors also mounted in the casing, each of said auxiliary rotors arranged with its periphery contacting the main rotor within a separate one of said channels.

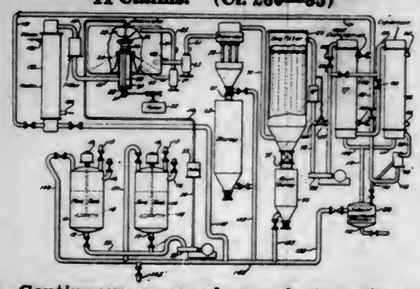
2,187,876
WINDSHIELD WIPER
George R. Ericson, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application December 10, 1937, Serial No. 179,085
4 Claims. (Cl. 15—255)



1. In a device for cleaning windshields, a bearing support, a pair of shafts rotatably carried

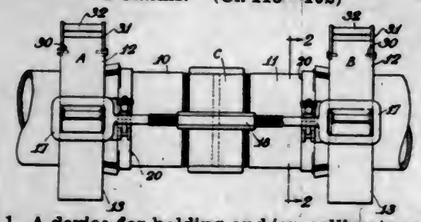
by said support, arms on adjacent ends of said shafts, a scraping element on one of said arms and a wiping element on the other arm, both of said elements being disposed to engage a common portion of the same side of an associated windshield, spring means urging said arms apart and to normally maintain said wiping element in engagement with the associated windshield and said scraping element spaced therefrom, means on the shaft carrying said scraping element for moving said scraping element against the windshield and thereacross, and separate means on the shaft carrying said wiping element for moving the same across the windshield.

2,187,877
PROCESS FOR SPRAY DRYING THERMOPLASTIC RESINS
Carlton R. Ferris, Charleston, and Estol T. Carte, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application June 19, 1936, Serial No. 86,211
11 Claims. (Cl. 260—85)



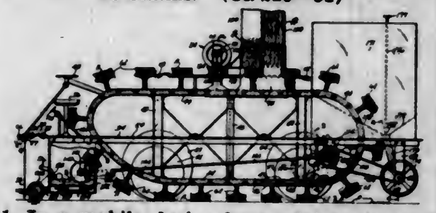
1. Continuous process for producing a thermoplastic heat-sensitive resin in finely-divided solid form, which comprises continuously atomizing a solution of the said resin in a volatile organic solvent in the presence of a recycled stream of hot inert gas free from solid impurities, thereby flashing the vaporizable components of said solution into vapor form while precipitating the resin in finely-divided solid form at a temperature below its softening point, separately recovering the solid resin, increasing the pressure upon the residual vapors and gas, stripping vapors of said solvent from the gas while the latter is under said increased pressure, reheating the residual gas containing vapors of said solvent, and recycling in the process said reheated gas free from solid impurities.

2,187,878
COLLAR WELDING JIG
Arthur Miller Hill and Jennings Bryan Harshman, Tulsa, Okla., assignors to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine
Application February 27, 1937, Serial No. 128,175
4 Claims. (Cl. 113—102)



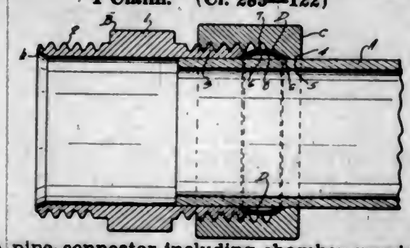
1. A device for holding and/or pulling together adjacent portions of two linearly disposed members comprising an encompassing collar for receiving each of said portions, said encompassing collars each being divided into a plurality of separate portions to facilitate ready installation and being further provided with wedge-shaped gripping jaws carried on the inner surfaces thereof, and means for pulling the two encompassing collars toward each other and causing the gripping jaws carried thereby to hold and/or pull the said portions of said linearly disposed members together, said last-named means being further characterized by the fact that it also functions to hold the separable portions of the collars together.

2,187,879
ROADWAY MARKING
Theodore L. Johnson, University City, Mo.
Application July 16, 1938, Serial No. 219,667
16 Claims. (Cl. 216—51)



1. In a mobile device for applying plastic tile or the like, as roadway markers, a vehicle frame, a track carried by the frame, a tile carrier operable on the track, means for applying tile to the carrier, means along the track for coating the tile with an adhesive substance, and a plurality of applicator members on the carrier adapted for pressing the tile into place substantially along a line defined by the track.

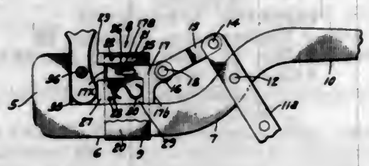
2,187,880
THREADLESS PIPE CONNECTOR
Ernest Kaysing, St. Louis, Mo., assignor to Killark Electric Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 30, 1938, Serial No. 198,845
1 Claim. (Cl. 285—122)



A pipe-connector including chamber-providing shiftably cooperable pipe-encircling members having inwardly presented beveled surfaces, and an annulus of concave-section housed within the chamber provided by said members, the annulus having slidably overlapping beveled end-portions and being adapted to be circumferentially constricted by said beveled surfaces responsive to axial movement of said members toward each other for tightly gripping the pipe.

2,187,881
EMASCULATOR
Dale B. King, Piru, Calif.
Application May 31, 1938, Serial No. 210,954
3 Claims. (Cl. 128—306)

2. In an instrument of the kind described, a stationary lever arm carrying a stationary jaw, said jaw having a flattened shank portion connecting it with said arm, a movable jaw assembly operatively related to said stationary jaw, said jaw assembly comprising an elongated plate bent into a U-shape thus forming a loop the base portion of which fits around said shank with a working fit, an inner spacing plate secured between the side portions of said bent plate, said spacing plate having a working contact with the edge portion of said shank which is opposite to the base of said loop, an edge portion of said spacing plate projecting from between the space embraced by said bent plate and toward said stationary jaw thus forming part of the working



face portion of said movable jaw assembly, an outer spacing plate secured between the end portions of said bent plate, said outer spacing plate likewise having a projecting portion which forms a part of the working face of the movable jaw assembly, an intermediate movable jaw element having a working mounting between said spacing plates, said jaw element having a limb directed toward the aforementioned jaw shank, a spring interposed between said limb and inner spacing plate, and a movable lever arm pivotally connected with said stationary lever arm and operatively connected with said intermediate jaw element.

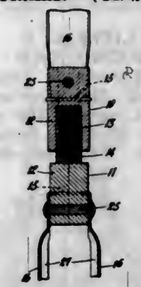
2,187,882
OLEFIN OXIDATION AND CATALYST THEREFOR
George H. Law, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application August 7, 1937, Serial No. 157,883
11 Claims. (Cl. 260—348)

1. Process of making olefin oxides by the direct chemical combination of olefins with molecular oxygen in the presence of a surface catalyst, which comprises employing a silver surface catalyst activated by treating the silver surface of said catalyst with ozone to form silver peroxide and subjecting the ozonized silver to the action of a reducing gas at elevated temperature to form an active surface catalyst.

2,187,883
METHOD OF REFINING VISCOUS HYDROCARBON OILS
Norman Edward Lemmon, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 30, 1937, Serial No. 182,565
3 Claims. (Cl. 196—40)

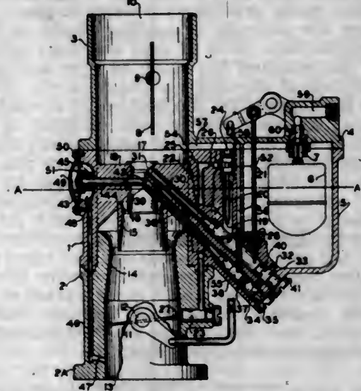
1. The method of refining viscous hydrocarbon oils comprising sulfuric acid treating the viscous hydrocarbon oil, neutralizing the acid-treated oil with caustic soda and subsequently heating the neutralized oil to a temperature of about 350° F. to 550° F. in the presence of ammonia while agitating with an inert fluid.

2,187,884
PUMP ROD COUPLING AND METHOD OF MAKING THE SAME
Harry R. Mark, Evanston, Ill., assignor to Clayton Mark & Company, Chicago, Ill., a corporation of Delaware
Application March 6, 1937, Serial No. 129,298
11 Claims. (Cl. 29—148)



7. In a method of manufacturing coupling members the steps of forming a body portion, shaping a plurality of elongated strap members for interlocking engagement with said body portion, assembling said body portion and strap members, and coating the assembled coupling member with metal solidified in place to rigidly secure the parts in assembled position.

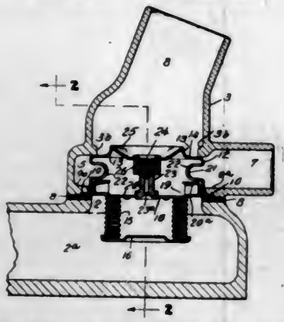
2,187,885
CARBURETOR
Charles E. Markham, East St. Louis, Ill., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 3, 1939, Serial No. 271,477
2 Claims. (Cl. 261—41)



2. In a downdraft carburetor, means forming a mixing conduit, a throttle valve in said conduit, a constant level fuel chamber, a branched fuel passage communicating with said constant level chamber, one branch of said branched fuel passage being arranged to discharge fuel into said mixing conduit above the level of fuel and a second branch being arranged to discharge fuel into said mixing conduit posterior to said throttle valve, a variable restriction in said branched fuel passage at a point anterior to the junction of said branches, mechanism coacting with said throttle valve for reducing the net opening of said variable restriction as said throttle valve moves toward a closed position, a second fuel passage communicating with said constant level fuel chamber and arranged to discharge fuel into said

mixing conduit at a point above the level of fuel and below the discharge point of one branch of said branched fuel passage, a pressure responsive valve for controlling said second fuel passage at the point of discharge, and a passage for communication between said second fuel passage at a point below the level of fuel and the atmosphere.

2,187,886
THERMOSTAT
Edward L. Mayo, Cleveland, Ohio, assignor to Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 23, 1938, Serial No. 226,295
1 Claim. (Cl. 236—34)



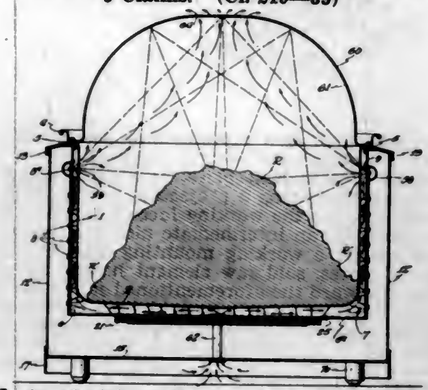
In a by-pass thermostat valve mechanism for controlling the flow of cooling liquid for an internal combustion engine, the combination of a housing comprising a cylindrical skirt, a neck and an annular shoulder connecting the top of the skirt and the neck, the said neck being provided at its outer end with a seat for a valve and the said skirt being provided with one or more openings for the passage of cooling liquid to a by-pass connection, each of said openings having a flange surrounding the same and projecting into the interior of the skirt, a thermostatic bellows, means for supporting the bottom of the said bellows in fixed relation to said housing, a valve carried by the upper end of said bellows adapted to cooperate with the seat formed on the outer end of said neck, and a valve member for each of said openings carried by the said bellows and each being so shaped as to contact with its outer surface the flange surrounding each of the openings in the said skirt, the top of each valve member being rounded or beveled inwardly from the outer surface thereof, and a thick gasket of compressible material interposed between the bottoms of the said flanges and the seat surrounding the opening in the engine head.

2,187,887
CARD HOLDING ATTACHMENT FOR WRITING MACHINES
Herman Mieth, Louisville, Ky.
Application December 27, 1938, Serial No. 247,979
3 Claims. (Cl. 197—135)



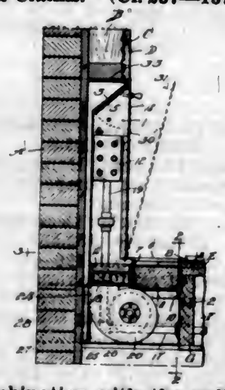
1. In a card-holding attachment for writing machines provided with a carriage and a platen mounted therein,—a pair of detachable, hinged clamping plates attachable at each end of the platen; springs for holding each pair of clamping plates in operative position with respect to the platen; cross-rods for holding said clamping plates in spaced relation axially of the platen; a spring-pressed bail member mounted on the clamping plates; a paper pressing plate, having multiple rollers thereon and observation holes therein, slidably mounted on said bail member and designed to press against the platen to hold a card to be written upon; and adjustable rod-members removably mounted for connecting one of the cross-rods and the platen-carriage to retain the device in its card-holding position.

2,187,888
COOKING APPARATUS
Irving Nachumsohn, Chicago, Ill.
Application May 21, 1936, Serial No. 80,946
9 Claims. (Cl. 219—35)



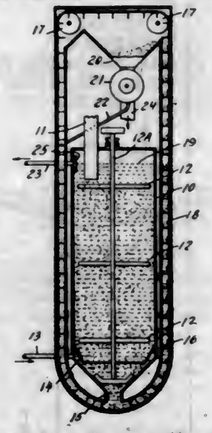
5. An electric cooker comprising a receptacle, an electric heating element confined in the lower portion of the sides thereof and effective to heat the lower interior of the receptacle by conduction, and an exposed electric heating element carried by the receptacle in proximity to the upper portion of said sides to heat the upper interior of the receptacle by radiation, said upper portion of the receptacle sides being perforated opposite said exposed element.

2,187,889
AIR CONDITIONING UNIT
Jesse H. Newport, Kenilworth, Ill.
Application April 13, 1936, Serial No. 74,155
2 Claims. (Cl. 257—137)



2. The combination with the wall and floor of a building, of a casing the upper part of which is sufficiently shallow from front to rear to permit it to be contained within such wall and the lower part of which is extended forwardly beyond the upper part to make it considerably deeper from front to rear than the latter, the said upper part of the casing being set into said wall and the lower part being sunk through the floor to a level at which the forward extension lies just below the floor and between the joists, a tunnel extending underneath the floor from said casing, an inlet through the floor into the tunnel at a point remote from said wall, air conditioning means in the said upper part of the casing, and blower means housed in the said lower part of the casing and adapted to draw air from the tunnel and drive it up past the said air conditioning means.

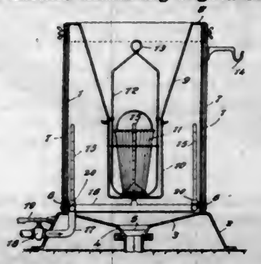
2,187,890
CONTINUOUS SOLVENT EXTRACTION APPARATUS
Ellis Charles Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia
Application November 24, 1937, Serial No. 176,309
6 Claims. (Cl. 23—270)



1. An apparatus for continuous extraction comprising, an extracting vessel for commingling an extracting solvent and material to be extracted, the vessel having inlets for the solvent and the material and having a discharge outlet at its lower portion, an expressing chamber above the extracting vessel, a vertically extending housing encircling the extracting vessel and the expressing chamber connecting with the discharge outlet in the extracting vessel, an opening in the housing above and connecting with the expressing chamber, an endless conveyor within the housing for raising the material from the discharge outlet to the expressing chamber, a conduit leading from the expressing chamber to the housing on the side on which the endless conveyor descends, and an outlet from the expressing chamber for carrying off the extracted material.

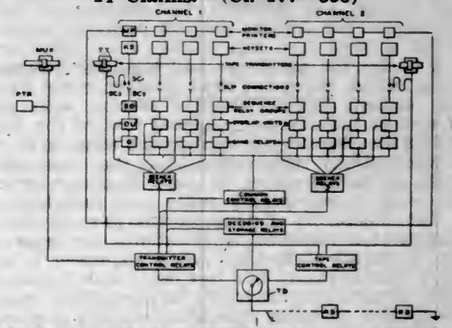
2,187,891
APPARATUS FOR WASHING FRUITS, VEGETABLES, AND THE LIKE
Remo Peluzzi, Rome, Italy
Application September 22, 1937, Serial No. 165,053
In Italy October 16, 1936
1 Claim. (Cl. 146—200)

In an apparatus for washing fruits, vegetables and the like, a substantially cylindrical glass vessel, having its axis disposed in a substantially vertical direction and being open at its top, an open work basket for the goods to be washed, said basket having a size substantially smaller than that of the vessel, means for supporting said basket substantially axially of said vessel, said supporting means including a grid on which the



basket rests during the washing operation, a hopper mounted in the open top of the vessel to guide said basket axially onto said grid, a plurality of rod-shaped spray nozzles mounted in said vessel parallel to its axis and being distributed to surround said basket when resting on said grid, means to supply water to said nozzles, and means for discharging the used wash water from said vessel.

2,187,892
TRANSMITTING MEANS
William F. Quinby, Long Island City, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1937, Serial No. 167,541
14 Claims. (Cl. 177—353)

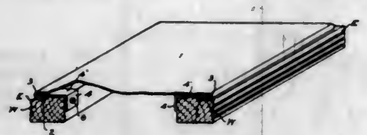


8. In a market quotation system, a series of groups of keylevers comprising selection, price digit and special signal keys, a transmitting distributor having stock selection segments, multiplex segments, price and range segments, a multiplex transmitter normally operative to transmit a character signal from the multiplex segments as the distributor operates, means controlled by the special signal key for rendering the multiplex transmitter ineffective, and means for transmitting the special signal over the multiplex segments while the stock number, price and range signals are transmitted by the stock, selection, price and range segments.

2,187,893
TABLE TOP STRUCTURE
Harry B. Richardson, Roselle, N. J.
Application February 2, 1938, Serial No. 188,241
2 Claims. (Cl. 311—108)

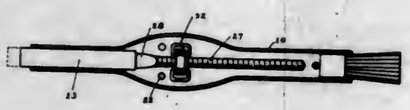
1. In combination a horizontal rectangular

frame, the outer faces of the frame members being substantially vertical, the upper outer horizontal corner margin of each member being provided with a longitudinal rabbet groove forming an inner longitudinal shoulder and a narrow horizontal face and leaving a wide top face; a sheet metal table top having narrow underturned edge flanges disposed on said narrow face against



said shoulder, and forming a rigid rounded outer edge; and a series of metal angle pieces having a flat portion on said wide top face of each member with its outer end edge engaged over and against the inner margin of said flange and against the upper, lower and lateral inner face of the rounded outer edge portion of the top; and means for securing the metal angle pieces to the frame.

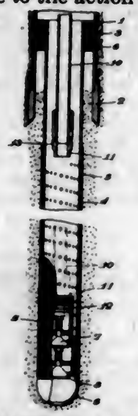
2,187,894
ERASER HOLDER
James Webb Saffold, Cleveland, Ohio
Application December 27, 1937, Serial No. 181,858
1 Claim. (Cl. 120—36)



A holder for an eraser and the like comprising a hollow elongated shell of sheet metal having resilient legs of channel section with the flanges of the channels tapered toward the free end of the channel and facing each other to form a substantially rectangular bore, the outer surfaces of the legs lying in parallel planes when an eraser is between the same, said shell having a flat outwardly flaring portion at its midsection of a thickness substantially the same as the thickness of the legs when an eraser is located therebetween, said legs being biased toward each other to grip the eraser on its opposed faces, the flanges engaging opposed edges of the eraser to restrain the same from lateral and rotative movement, a threaded member carried within said shell and abutting the eraser and held between said legs, said threaded member having means thereon to prevent its rotation, a rotatable member threadedly engaging said threaded member and carried within and projecting through the side walls of said bulged portion for manually actuating the threaded member to project the eraser from the shell.

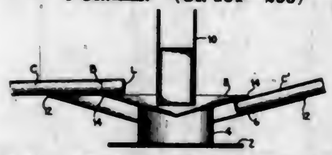
2,187,895
METHOD OF FORMING A POROUS CONCRETE WELL STRAINER
Clyde Stephen Sanders, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application March 28, 1938. Serial No. 198,458
13 Claims. (Cl. 166—21)

1. A method of forming a well strainer in situ comprising introducing concrete between a productive formation and a well and then subjecting said concrete to the action of a material hav-



ing a solvent power for one constituent thereof to render said concrete porous.

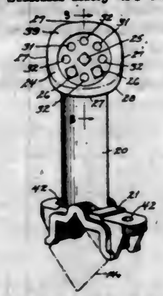
2,187,896
ASHTRAY
Fred Visger Barker, Alexandria Bay, N. Y.
Application January 8, 1938, Serial No. 183,985
5 Claims. (Cl. 131—235)



5. An ashtray for receiving cigarette ashes and for extinguishing an ignited cigarette comprising a first member embodying a surface generated by a straight line, a second member embodying a surface generated by a straight line, said members being substantially parallel so that the generating lines when in a plane perpendicular to the two members are substantially parallel and spaced apart a distance approximately that of a common cigarette to provide a space between the members into which a cigarette may be inserted or into which it will slide or roll and be extinguished.

2,187,897
MIXER TOOTH
Arthur W. Bollard, Cleveland, Ohio, assignor to The F. D. Cummer & Son Company, Cleveland, Ohio, a corporation of Ohio
Application February 4, 1938, Serial No. 188,719
9 Claims. (Cl. 259—178)

1. A mixer tooth of the class described, comprising a shank, a tip mounted on said shank and having a portion thereof projecting beyond the end of the shank, said tip having a plurality of surfaces of one surface-contour, any one of which surfaces may be moved into a projecting relation to the shank, said tip also being provided with a plurality of surfaces each having a different surface-contour than the first named surfaces, whereby when the length of the tip and shank becomes shortened due to wear, such length may be restored by moving another surface into a projecting relation, said tip also being movable lengthwise of the shank regardless of which surface is in a projecting position, whereby when any one of said projecting surfaces becomes shortened due to wear the overall length of the tip and shank may be restored by moving



the tip lengthwise of the shank, and means to secure the tip in an adjustable position on said shank.

2,187,898
HARROW ATTACHMENT FOR DRILLS
James A. Charles, near Clearwater, Kans.
Application November 1, 1937, Serial No. 172,235
1 Claim. (Cl. 97—179)



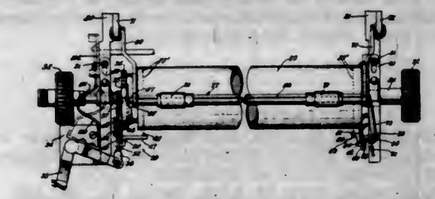
In a harrow attachment for drills; in combination with a drill frame having a tongue thereon, and carrying a plurality of discs; a plurality of bracket elements and a round tubular supporting element, each of the bracket elements having an upper and lower portion, said upper portion being rigidly mounted on the drill frame, said lower portion being adjustable vertically and then rigidly attachable to the said upper portion, the lower end of the said lower portion of the brackets being bent in a circular formation to form a bearing in which the round tubular supporting element is revolvably mounted, and means connecting between said tongue and the lower end of each of said brackets for preventing the rearward movement of said brackets, a plurality of ground working elements rigidly mounted on the tubular supporting element and intermediate the lines of travel of said discs, and means for revolving said tubular supporting element and locking the same in fixed position for the purpose of adjusting the position of the ground working elements, and other means carried on said tubular supporting element, and adjustably connectable to said drill frame for the purpose of preventing rotation of the tubular supporting element under the influence of the ground working elements.

2,187,899
DENTAL FLOSS THROW-AWAY UNIT
Isabelle Henne, Brooklyn, N. Y.
Application March 25, 1938, Serial No. 198,008
11 Claims. (Cl. 132—91)



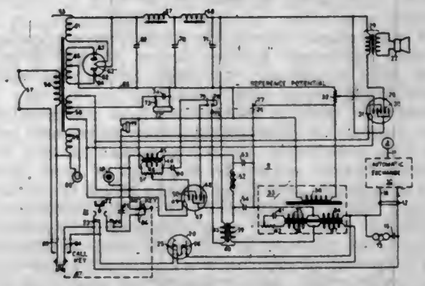
1. An inexpensive sanitary throw-away dental unit comprising a sterilized yoke portion, a plurality of sterilized end pieces positioned in spaced relation upon said yoke, said yoke and end pieces being made of inexpensive material, a section of sterilized dental floss stretched under tension between said end pieces in spaced relation to said yoke, and means for permanently anchoring said dental floss to said end pieces and for retaining said dental floss under tension at all times between said end pieces and relative to said yoke, said yoke, end pieces, and section of dental floss, in conjunction, thus forming an inexpensive sanitary throw-away dental unit, said unit being adapted to be inserted in the mouth with the tensioned dental floss engageable in the space between adjacent teeth to remove foreign particles therefrom and thereafter thrown away without appreciable loss.

2,187,900
FEEDING AND ALIGNING DEVICE
Beulah Louise Henry, New York, N. Y.
Application April 2, 1937, Serial No. 134,467
28 Claims. (Cl. 197—127)



1. In a device of the character described the combination of a platen for supporting superposed sheets; feeding means engageable with said sheets, and movable by and with said platen; locking means for said sheets on said platen; control mechanism for rotating the platen; and means operated by said control mechanism for rendering said locking and said feeding means respectively inoperative and operative.

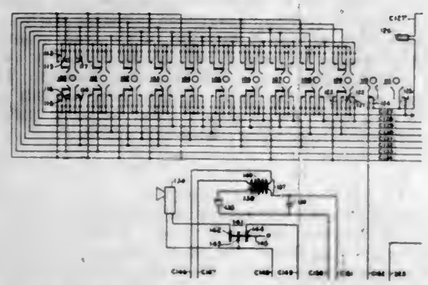
2,187,901
TELEPHONE SUBSTATION APPARATUS
Roswell Harry Herrick and Turner Wright Gilman, Oak Park, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 18, 1938, Serial No. 202,662
27 Claims. (Cl. 179—81)



1. A telephone substation adapted to be connected to a telephone line comprising a pair of conductors arranged to have a source of direct current connected thereto and comprising, in combination, a transmitter, a sound reproducing device and an anti-side-tone impedance network arranged to be interconnected to form a substation circuit, said anti-side-tone impedance network comprising a plurality of impedance

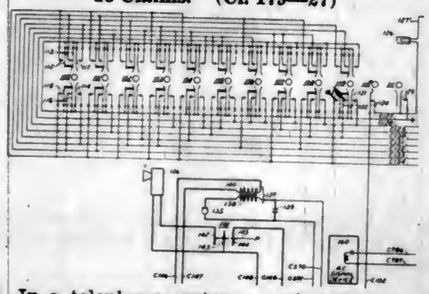
elements and being operative to prevent audio frequency energy developed by operation of said transmitter from being delivered to said sound reproducing device, a circuit including a portion of said impedance elements and the conductors of said line for conducting energizing current from said source to said transmitter, said circuit also including a network for preventing audio frequency energy developed by operation of said transmitter from being delivered to said line over said circuit, an auxiliary sound reproducing unit comprising an amplifier, said amplifier comprising a vacuum tube having input electrodes, a second amplifier including a vacuum tube having input electrodes, a relay operative to substitute said auxiliary sound reproducing unit for said sound reproducing device in said substation circuit, said relay also being operative to include said second amplifier in said substation circuit, means including said second amplifier and said anti-side-tone impedance network for delivering audio frequency energy developed by operation of said transmitter to said line, and means including said relay for impressing a biasing voltage between the input electrodes of at least one of said tubes.

2,187,902
TELEPHONE SYSTEM
Roswell Harry Herrick, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 12, 1938, Serial No. 207,433
36 Claims. (Cl. 179—27)



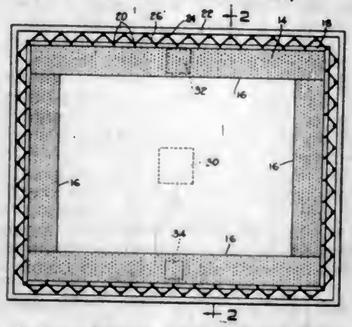
1. In a telephone system, an exchange, a plurality of lines extending to said exchange, a telephone substation, a transmitter and a receiver at said substation, auxiliary receiving means at said substation, automatic switching equipment in said exchange having access to all of said lines, said automatic switching equipment being controllable from said substation or by way of one of said lines to establish a first communication connection between said substation and said one line, automatic switching means in said exchange having access to a group of said lines, said automatic switching means being individual to said substation and being controllable only from said substation to establish a second communication connection between said substation and a second of said lines without releasing said first connection, said transmitter and receiver normally being connected and arranged to be used in communicating over said first connection and said auxiliary receiving means normally being connected and arranged to be used in communicating over said second connection, and means operative to connect said auxiliary receiving means to be used in communicating over said first connection without releasing said second connection.

2,187,903
TELEPHONE SYSTEM
Roswell Harry Herrick, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 21, 1938, Serial No. 209,197
18 Claims. (Cl. 179—27)



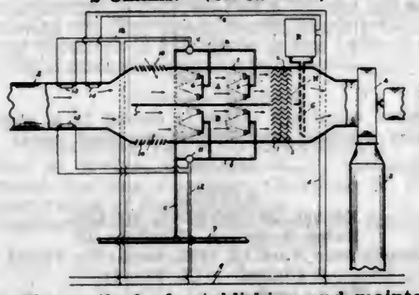
1. In a telephone system, a substation, a plurality of telephone lines, means comprising automatic switching equipment controllable from said substation for establishing connections between said substation and said lines on calls initiated at said substation, and auxiliary automatic switching apparatus associated with said lines, said auxiliary switching apparatus being so connected and arranged that a talking connection is extended from a calling one of said lines to said substation over a route from which said automatic switching equipment is excluded in response to the initiation of a call on said one line and that connections can only be routed by way thereof to said substation.

2,187,904
LIGHT-REFLECTING AND SOUND-TRANSMITTING MOTION PICTURE APPARATUS
Albert B. Hurley, Huntington, N. Y.
Application May 27, 1936, Serial No. 81,985
2 Claims. (Cl. 88—24)



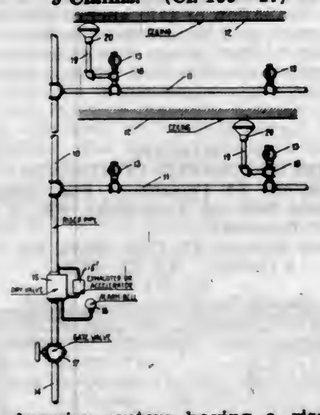
1. A light-reflecting and sound-transmitting motion picture screen comprising a light-reflecting imperforate non-porous screen material for picture reflection, said material having a weight and thickness selected to effectively transmit low frequency sound waves, and additional non-reflecting material outside of the reflecting material, said non-reflecting material being perforated with a large number of small closely spaced perforations for sound transmission, said non-reflecting material being so selected and perforated as to effectively transmit high frequency sound waves, said non-reflecting and reflecting materials being seamed together in such a manner as not to cause interference in sound waves across the back of the screen.

2,187,905
AIR CONDITIONING
William M. Killingsworth, Claysville, Pa., assignor to Frazier-Simplex, Inc., a corporation of Delaware
Application March 7, 1938, Serial No. 194,236
2 Claims. (Cl. 62—176)



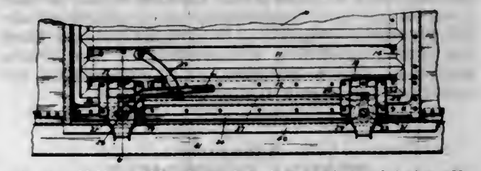
1. The method of establishing and maintaining desired atmospheric conditions within a room, which method includes passing air drawn from the room and mixed with air drawn from the outer atmosphere in a divided stream through a plurality of sets of water sprays, regulating the water supplied to said sets of sprays individually in accordance with variations in temperature of the air whose conditions are to be controlled, leading the several components of the divided stream of air from said sprays and passing them through the refrigerated coils of a single refrigerating unit, regulating the refrigerating effect of said unit in accordance with variations in humidity of the air under control, and introducing the treated stream of air to said room.

2,187,906
THERMAL RELIEF VALVE
Ernest A. Lowe, Fanwood, N. J., assignor to The Airelease Corporation, Jersey City, N. J., a corporation of Delaware
Application June 12, 1936, Serial No. 84,816
9 Claims. (Cl. 169—17)



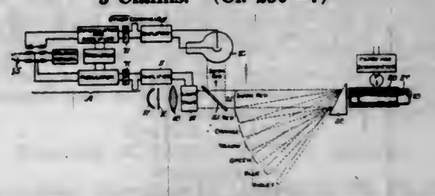
3. A dry-pipe system having a riser and a distributing pipe connected thereto and both normally free from fire-extinguishing fluid but subjected to air pressure, a main control valve for controlling the supply of fire-extinguishing fluid to said riser and distributing pipe and held in closed position by said air pressure, a closed thermally-operated sprinkler head connected to said distributing pipe, a rate of rise thermal device normally under balance of normal atmospheric pressure and connected to the sprinkler head and having a valve normally closing communication between the distributing pipe and the atmosphere and including a member controlling said valve and acting on an abnormal rate of rise of temperature to open said valve and thereby release the air pressure upon and trip said main control valve and permit the flow of fire-extinguishing fluid through said riser and distributing pipe prior to the opening of said sprinkler head, means in the connection between said sprinkler head and said thermal device for preventing the flow of fire-extinguishing fluid through said thermal device, and an alarm associated with said main control valve adapted to be actuated upon the tripping thereof by the release of air pressure thereagainst.

2,187,907
CAR DOOR
Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 9, 1937, Serial No. 163,028
5 Claims. (Cl. 16—99)



1. A sliding lift door having pairs of laterally spaced alined openings, a roller disposed between each pair of openings, a pin rotatably received in each roller, portions of said pins being disposed in said openings, said portions being non-circular in cross section, smaller than said openings and each having an axis of rotation coinciding with the axis of a pin, and means for imparting simultaneous rotation to said pins in said rollers, said non-circular portions of said pins having rolling engagement with said openings and elevating said door when said pins are rotated.

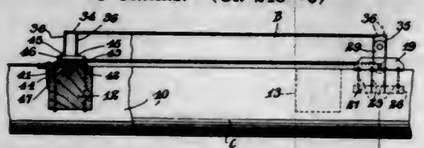
2,187,908
ELECTROMAGNETIC WAVE TRANSMISSION
Harold J. McCreary, Genoa, Ill.
Application June 15, 1936, Serial No. 85,260
5 Claims. (Cl. 250—7)



1. Apparatus for two-way simultaneous transmission of signals over a single path including means for producing a plurality of beams of light including waves of different frequencies at each end of the path, prism means at each end of the path for transmitting through the path from each outgoing beam of light a frequency different from that transmitted from the other outgoing beams and for separating the incoming beams of light of different frequencies, photo-electric cell means at each end of the path for translating the received light beams of different frequencies into signals, and partially reflecting means for the beams at each end of the path for transmitting

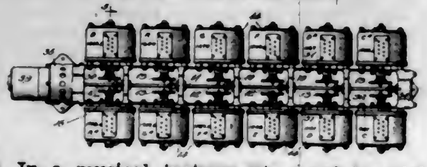
part of each incoming beam to an associated photo-electric cell means and for transmitting the outgoing beams into the path while keeping them away from the associated photo-electric cell means.

2,187,909
YARDER MOUNTING
John R. McGiffert, Duluth, Minn., assignor to Clyde Iron Works, Inc., Duluth, Minn., a corporation of Maine
Application March 8, 1937, Serial No. 129,659
3 Claims. (Cl. 248—6)



1. A frame mounting in combination with a substantially horizontal elongated frame, comprising a pair of oppositely disposed substantially vertical links, pivotal connecting means connecting one end of said frame to said links, a base upon which said frame is to be mounted, means for pivotally connecting said links to said base, the pivots extending transversely of said frame and base, and a universal joint connecting the opposite end of said frame to said base.

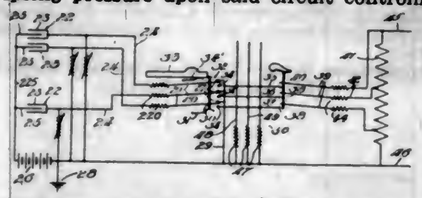
2,187,910
MUSICAL INSTRUMENT
Valentin J. Mohler, River Forest, Ill., assignor to Central Commercial Company, a corporation of Illinois
Application April 23, 1938, Serial No. 203,891
13 Claims. (Cl. 84—1.17)



1. In a musical instrument, coaxial variable condensers for producing alternating voltages at harmonically related tone frequencies, each condenser comprising a scanning electrode; electrostatic shields isolating a condenser from the effects of shifting electrostatic flux fields generated at any other condenser; and a secondary waveform electrode for each primary scanning electrode and mounted upon an adjacent electrostatic shield and axially spaced from and disposed parallel to said primary electrode.

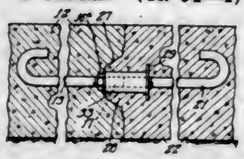
2,187,911
PEDAL BOARD
Valentine J. Mohler, River Forest, Ill., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1939, Serial No. 274,091
17 Claims. (Cl. 84—426)

1. In mechanism of the class described, a console case having an electric switch provided with a vertically movable circuit controlling member; means for yieldingly urging said member in an open circuit direction; a pedal provided with a leaf spring having an end related to the controlling member to press thereagainst and move the member in a circuit closing direction against the action of said urging means when depressing said pedal; and means for preventing an excess of spring pressure upon said circuit controlling



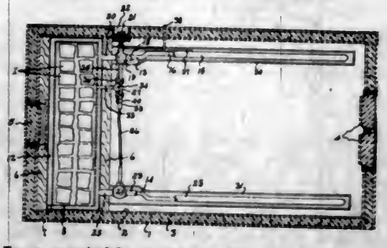
member when the latter is moved to a circuit closing position upon depressing said pedal.

2,187,912
ROAD ANCHORING MEANS
Ralph S. Peirce, Hinsdale, Ill.
Application April 13, 1936, Serial No. 74,022
2 Claims. (Cl. 94—4)



1. In road anchoring means of the class described, the combination with an integral initially plastic body, of an exteriorly screw-threaded anchor member for embedment in said body and a separable adaptor having a screw-threaded bore extending entirely therethrough for partially overlapping screw-threaded attachment of one end of said adaptor to said anchor member, both member and adaptor being imbedded in the same integral plastic body and being intended to be secured to another similar member in an adjacent initially plastic body also by partially overlapping screw-threaded attachment of the other end of said adaptor, said adaptor having at one end only a flanged portion, whereby the adaptor may be selectively reversed on said anchor member, with the adaptor serving as an operative continuation of said anchor member and the position of said flanged portion with respect thereto being either at one end or intermedially of said anchor member and adaptor jointly, as and for the purpose described.

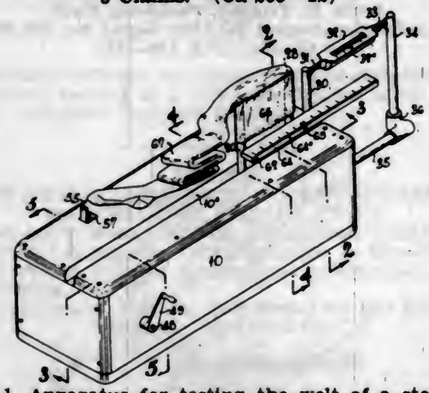
2,187,913
REFRIGERATED CONTAINER
Clara E. Quinn, St. Petersburg, Fla., assignor to Broquinda, Inc., St. Petersburg, Fla., a corporation of Delaware
Application January 12, 1939, Serial No. 250,476
6 Claims. (Cl. 62—91.5)



2. In a portable refrigerating unit, the combination including a heat insulated cabinet, a double wall container supported within said cabinet and adapted to support a solid refrigerant

in the inner container, supply and return connections for the space between said containers, a heat exchange coil exposed to the space within the cabinet and connected at its ends to the supply and return connections, a valve in the return connection, means exterior of the cabinet for adjusting said valve, and a second coil connected to the inner space of said double wall container mounted in the space in the cabinet and having a discharge to the atmosphere.

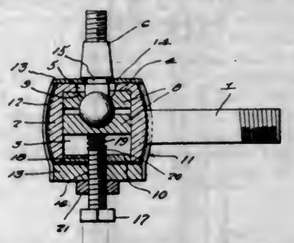
2,187,914
HOSIERY TESTING APPARATUS
Oliver M. Reitan, Charlotte, N. C., assignor to Nebel Knitting Company, Charlotte, N. C., a corporation of North Carolina
Application August 5, 1938, Serial No. 223,289
3 Claims. (Cl. 265—12)



1. Apparatus for testing the welt of a stocking to determine the number of pounds pull necessary to stretch the welt a predetermined number of inches, comprising first and second movable members over which a welt of a stocking may be inserted in unstretched form, a fixed member, a weighing scale attached to the first movable member and to said fixed member, means attached to the second movable member for moving the same away from the first movable member, a measuring rule attached to the second movable member and slidably supported by the first movable member, whereby when the movable members are moved away from the fixed member and apart from each other, the weighing scale will indicate the number of pounds pull exerted on the welt and the measuring rule will indicate the amount of stretch imparted to the welt respectively.

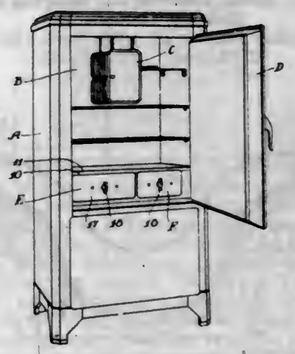
2,187,915
BALL AND SOCKET JOINT
Paul Ruffo, Miami, Fla., assignor, by mesne assignments, of one-half to André Jaques Mathieu, Miami, Fla.
Application November 12, 1938, Serial No. 240,135
2 Claims. (Cl. 287—90)

1. In a joint of the class described, a socket part having ends and a straight bore therein, an internal shoulder adjacent one end thereof, and a restricted aperture in said end, a pair of opposed disk-like socket members slidable in said bore toward said shoulder, a ball confined between said socket members and having a shank extending through one of said members and out of said aperture and provided with a circumferential groove therein, a yoke adapted to span said part and having ends opposed to the ends of said part, one of said ends of the yoke being slotted to span the shank and fit into said groove thereof, a bolt threaded through the other end



of said yoke and into the bore of said part, and a yielding connection between the inner end of said bolt and one of said socket members.

2,187,916
REFRIGERATOR
Walter G. Seeger, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application January 23, 1936, Serial No. 60,483
5 Claims. (Cl. 62—89)

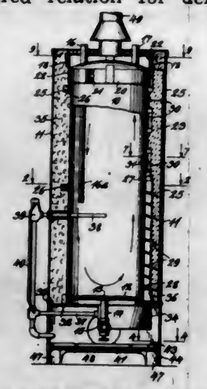


1. A refrigerator shelf and storage compartment means comprising a plate-like shelf having an imperforate portion, and a perforated portion, drawer compartment means slidably supported from said shelf and adapted to be closed by said imperforate portion of said shelf, and a basket-like compartment drawer slidably supported beneath said perforated portion of said shelf.

2,187,917
WATER HEATER
Benjamin R. Skinner and Lee Andrews, Denver, Colo.
Application November 25, 1938, Serial No. 242,131
4 Claims. (Cl. 122—14)

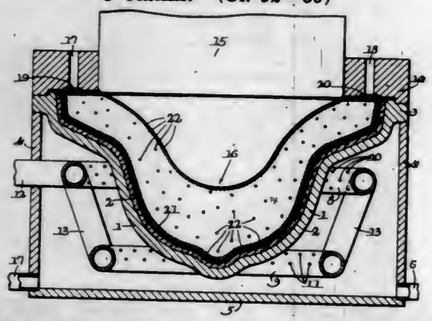
1. In combination with a hot water tank, an elongated concavo-convex member of refractory material of substantially the same length as the tank, the concave surface having a radius of curvature somewhat greater than that of the outer surface of the tank, the edges of said member having inwardly projecting ribs for engagement with the outer surface of the tank, the concave surface being provided with a plurality of spaced projections for engaging the surface of the tank to form spacers and for effecting a heat conductive connection between the tank and the member of refractory material, the inner surface of the refractory member being also provided

with a plurality of refractory pins in longitudinally staggered relation for deflecting heated



gases of combustion and absorbing heat which is later transmitted to the tank by radiation.

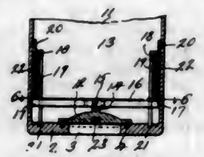
2,187,918
DRYING DIE FOR FIBROUS ARTICLES
Edward C. Sloan, Geneva, Ill., assignor to Jesse B. Hawley, Geneva, Ill.
Application March 28, 1936, Serial No. 71,525
3 Claims. (Cl. 92—59)



1. A drying device for fibrous articles of the character disclosed comprising complemental die members contacting opposite faces of said article and of which one is rigid and has a contoured surface complemental to the contoured portion of said article and of which another is yieldable and conformable to the contour of said article and comprising a mass of free pellet-like bodies above said rigid die and displaceable when pressed to distributively compress the article evenly at all points of contact, a cover for said yieldable die member and provided with drainage outlets and means for applying heat to said rigid die member to dry said article when being compressed, the moisture driven off from said article by said heating means escaping among said bodies.

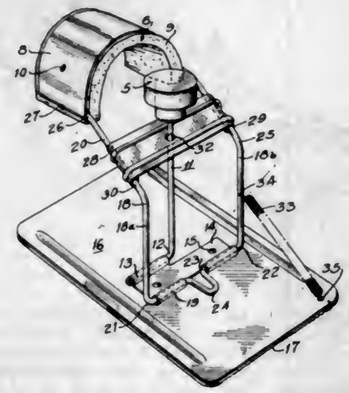
2,187,919
LIQUEFIER
Albert T. Thompson, New Orleans, La.
Application October 26, 1937, Serial No. 171,153
1 Claim. (Cl. 220—24)

The combination with a receptacle having a filling opening, a closure within the receptacle and cooperating with the filling opening, spring housings within the receptacle at opposite sides thereof, of a cross bar carried by the closure and extending into the housings and movable longitudinally therein, and expansion springs within the housings and cooperating with the ends of



the bar for forcing the closure to closed position and guiding the closure when moved to open position.

2,187,920
FOOT TREATING DEVICE
Louis B. Triplett, Pasadena, Calif.
Application August 10, 1938, Serial No. 224,075
2 Claims. (Cl. 128—25)

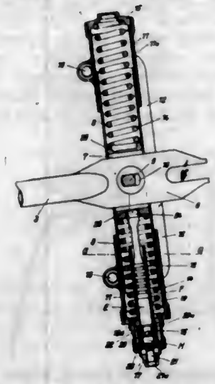


1. In a foot treating device of the character described, the combination of: a bridge member to pass over an upper portion of the foot; an arch engaging member placed so as to bear against the bottom of the foot; a pair of levers, one each of which supports one of said members; and pivot means for said levers arranged eccentrically so as said levers are swung, said members will have a relative movement respectively downward and upward with regard to the foot being treated.

2,187,921
SPRING SUSPENSION FOR VEHICLE WHEELS
Hermann Weber, Zschopau, Germany, assignor to Auto Union Aktiengesellschaft, Chemnitz, Germany
Application December 16, 1937, Serial No. 180,108
In Germany December 16, 1936
4 Claims. (Cl. 267—34)

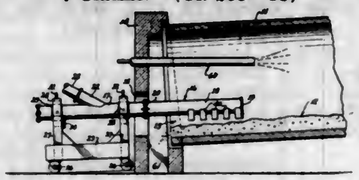
1. A spring suspension unit comprising a fork, guiding pistons having central portions connected with said fork and end portions; stationary cylinders in which the end portions of said guiding pistons are slidably guided, coiled springs engaging said pistons and said cylinders, a hydraulic damping piston operatively connected with one of the central portions of said guiding pistons and extending coaxially to one of said springs, a hydraulic damping cylinder in which said hydraulic damping piston is reciprocated, said hydraulic damping cylinder being situated within one of said stationary cylinders, and a screw-threaded

closure member closing the last-mentioned stationary cylinder and carrying said hydraulic



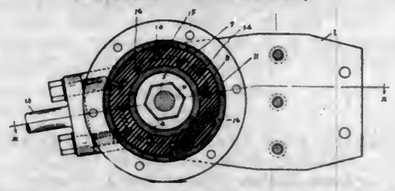
damping cylinder, the last-mentioned stationary cylinder serving as a container for the liquid of the hydraulic damping cylinder.

2,187,922
DEVICE FOR CURING AND COOLING BURNED MATERIALS IN ROTARY KILNS
Carleton T. West, Glendale, and Michael Treshow, West Los Angeles, Calif., assignors to Monolith Portland Cement Company, a corporation of Nevada
Application July 29, 1939, Serial No. 287,318
7 Claims. (Cl. 263—33)



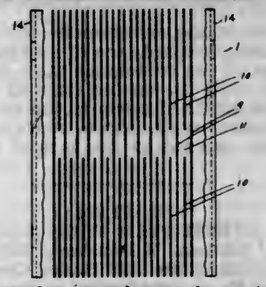
1. In combination with a rotary kiln, means for introducing air into the discharge end of the kiln comprising a conduit having its discharge end extending into the kiln, discharge nozzles on said conduit, and means for mounting said conduit for rotative and angular adjustment.

2,187,923
RESILIENT CONNECTION
Edward J. Winkleman, Oakmont, Pa., assignor of forty-nine per cent to Duquesne Slag Products Company, a corporation of Pennsylvania
Application July 29, 1937, Serial No. 156,320
2 Claims. (Cl. 287—85)



1. In a resilient connection comprising in combination two relatively movable rigid elements and a resilient body confined between the two said elements, said resilient body being connected to both the said rigid elements by means of depressions in the said resilient body and projections on the rigid elements extended into the depressions, the said projections being less than half the thickness of the resilient body, so that relative movement of the two rigid elements is accompanied by the creation of tension in an intermediate zone of the resilient body; the arrangement providing relief for the resilient body by diminishing the concentration of tensile stresses at the ends of the said projections which consists of a proportioning of the said projections and depressions such that the projections extend into the said depressions a distance less than the depth thereof to leave in the resilient body free spaces adjacent the ends of the said projections.

2,187,924
FLEXIBLE HANGER
Edward J. Winkleman, Oakmont, Pa., assignor of forty-nine per cent to Duquesne Slag Products Company, a corporation of Pennsylvania
Application July 29, 1937, Serial No. 156,322
3 Claims. (Cl. 287—85)

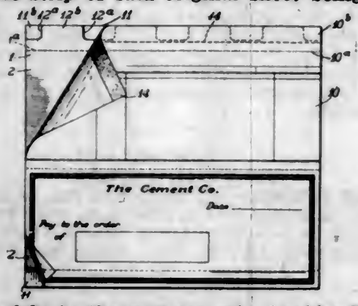


1. A hanger for carrying reciprocatory bodies compacted of a plurality of complete and incomplete flexible laminae bound together adjacent their ends, in which hanger some of the complete laminae are spaced from each other by the thickness of a single interposed incomplete lamina divided across the hanger each into two pieces with their adjacent edges separated a distance sufficient in defining a transverse space between the adjacent spaced complete laminae to provde a transverse zone of increased flexibility and approaching each other closely enough to cause the pieces of each incomplete lamina to partake substantially in the flexion of the adjacent complete laminae; the intervals between adjacent edges of the several incomplete laminae being of approximately the same length and in approximately the same position throughout the thickness of the hanger.

2,187,925
MANIFOLD FORM SET
Howard F. Wolfanger, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
Application January 6, 1938, Serial No. 183,635
6 Claims. (Cl. 282—22)

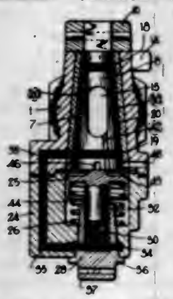
1. A unitary manifold form set including an original record sheet having a detachable binding strip along a marginal edge thereof, a duplicate record sheet also having a detachable binding strip along its marginal edge, a transfer sheet interleaved with said record sheets and having one side carbonized for transferring to said duplicate sheet, and a binding means interconnecting all of said sheets in superposed relation and at a common marginal end, said binding means comprising a continuous band of adhesive arranged along substantially the entire marginal end of the back of the detachable strip of said original sheet

for connecting the other sheets of the set thereto, said transfer sheet having a plurality of substantially spaced tabs arranged along its marginal end but spaced away from the lateral side edges thereof, said tabs lying between said binding strips of the record sheets and said connection of the transfer sheet with said coated detachable strip of said original sheet being con-



fined solely to the engagement of said adhesive with the uncarbonized face of said tabs, and said connection of the detachable strip of said duplicate sheet with the coated strip of the original sheet being confined solely to the engagement of said adhesive with those marginal portions thereof not covered by the tabs of the transfer sheet.

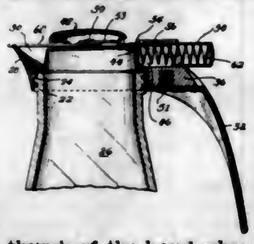
2,187,926
LUBRICATED PLUG COCK
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 29, 1937, Serial No. 145,529
20 Claims. (Cl. 251—93)



1. The combination with a valve device comprising a body and a valve mounted in said body and movable to an open position for permitting the supply of fluid under pressure therethrough, of a chamber associated with said valve device and containing a supply of lubricant, means for supplying lubricant from said chamber to lubricate said valve upon subjecting the lubricant in the chamber to pressure, and means for subjecting the lubricant in the chamber to pressure upon movement of the valve to its open position and upon movement of the valve to its closed position to release the pressure exerted on said lubricant.

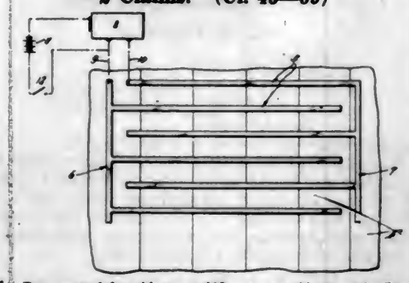
2,187,927
DEVICE FOR DISPENSING LIQUIDS, GRANULATED PRODUCTS, AND THE LIKE
Joseph Rene Ayotte, Chicago, Ill.
Application January 25, 1939, Serial No. 252,758
4 Claims. (Cl. 65—31)

2. A dispensing device of the class described comprising a body portion having a flat closure surface and spout opening forwardly thereof, a handle disposed opposite said spout opening, a horizontally disposed cover plate for said spout opening, said cover plate being pivotally mounted on said flat closure surface, an actuating member in engagement with said cover plate, said actuating member disposed above said handle and adapted to be moved forwardly by pres-



sure of the thumb of the hand when said handle is grasped by the hand, the forward movement of said actuating member causing said cover plate to move in an arcuate direction on said flat closure surface over the top of said spout opening to uncover said spout opening, and spring means for urging said actuating member rearwardly to pivotally move said cover plate to normal closed position when the thumb pressure is removed from said actuating member.

2,187,928
BURGLAR ALARM AND TRAP
William G. Barcroft, Boulder, Colo.
Application January 19, 1938, Serial No. 185,673
2 Claims. (Cl. 43—59)

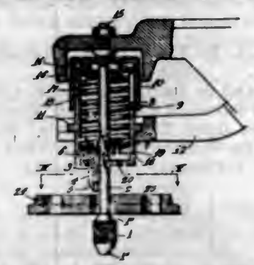


1. In combination with a section of floor, a plurality of metal foil strip conductors glued on the floor in regularly spaced relation, bus-strips of similar metal foil connecting alternate ones of the strip conductors, metallic and electrically conductive paint coatings upon the said strip conductors and adjacent marginal portions of the floor for extending the effective area of the device, and coatings of non-conductive paint upon the floor spaces between the said strip conductors, the said bus-strips being connected to the opposite sides of an electrical circuit.

2,187,929
DEVICE FOR ASSEMBLING PLATES OR OTHER SUPERPOSED PIECES
Jean Julien Blanc, Paris, France
Application June 30, 1939, Serial No. 282,125
11 Claims. (Cl. 85—5)

7. A temporary rivet comprising a rod, a first projection extending transversely from the first end of said rod, a second projection extending transversely from said rod and slidable with respect thereto, a finger carried by said second

projection extending therefrom along said rod toward the first end of said rod, a spring positioned and of a force sufficient to securely hold together in the bite defined by said first and



second projections at least two perforated metal plates in perforate alignment and means for rotating said rod while moving said first projection away from said finger.

2,187,930
SEPARATION OF MOLYBDENITE FROM COPPER SULPHIDES
Earl H. Brown, Palo Alto, and Carl F. Williams, San Mateo, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application April 17, 1939, Serial No. 268,332
19 Claims. (Cl. 209—167)

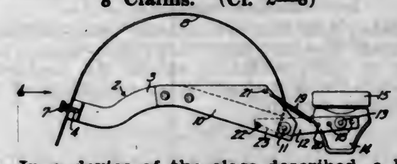
1. A process of flotation concentration for the separation of copper and molybdenum sulphides, which comprises subjecting the material containing said sulphides to a flotation operation in the presence of a molybdenum sulphide depressing agent selected from the class consisting of the condensation products of aldehydic substances with aromatic sulphonic acids and the salts of these condensation products with salt-forming bases so as to produce a concentrate of copper sulphide with a rejection of molybdenum sulphide.

2,187,931
FLUID COMPRESSOR CONSTRUCTION
Rankin J. Bush, Jeannette, and William H. Glass, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1938, Serial No. 197,650
2 Claims. (Cl. 230—228)



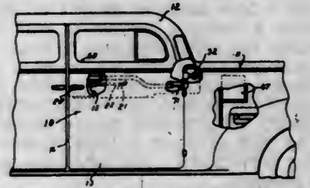
1. In a fluid compressor, in combination, a cylinder portion, a head portion, a pair of adjoining plate members interposed between said two portions and having inlet and discharge valve chambers formed in the adjacent faces thereof, one of said plate members having bores disposed concentrically of said valve chambers and the other plate member having recesses respectively aligned with said bores, guide pins removably inserted in said bores and extending through said chambers into locking relation with said recesses, centrally apertured inlet and discharge valve discs disposed in said chambers, respectively, each disc being slidably mounted on the corresponding guide pin, and spiral coil springs surrounding said guide pins and urging the respective valve discs toward seated position, said valve elements being associated with said plate members as a separably removable unit in the compressor.

2,187,932
HEAD FRAME FOR SUPPORTING EYESHIELDS
Leo Roe Cornell, Berkeley, Calif., assignor of one-fourth to Gerold B. Lenz
Application March 27, 1936, Serial No. 71,241
8 Claims. (Cl. 2—8)



1. In a device of the class described, a headband comprising a strip of flexible material formed in a loop and adapted to encircle the head of the wearer, means connected with said loop and positioned to engage another portion of the head of the wearer whereby the band is maintained thereon in normal position, a pair of brackets projecting from said loop, an arm pivotally mounted on each bracket and movable into each of two angular positions with respect to said brackets, a shield secured to said arms for protecting the face of the wearer, and resilient means interposed between said arms and said brackets for maintaining said arms in either of said positions.

2,187,933
VEHICLE DOOR LATCH
Burnie J. Craig, Los Angeles County, Calif.
Application May 7, 1938, Serial No. 206,534
23 Claims. (Cl. 180—82)

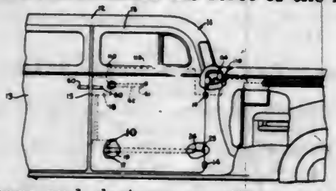


1. In an automotive vehicle construction, a frame member, a door member hinged to the frame member, a bolt on one of the members movable to engage the other member to hold the door member closed, means to restrain retraction of the bolt, means responsive to the speed of the vehicle to vary the force of the restraining means so that the bolt is under the influence of a light force or a heavy force, finger operated means effective to retract the bolt when under the influence of the light force, said finger operated means being ineffective to shift the bolt when under the influence of the heavy force and hand operated means to shift the bolt when under the influence of the heavy force.

2,187,934
VEHICLE DOOR LATCH CONTROL MECHANISM
Burnie J. Craig, Los Angeles County, Calif.
Application May 7, 1938, Serial No. 206,535
31 Claims. (Cl. 180—82)

1. In an automotive vehicle construction, a frame member, a door member hinged to the

frame structure, a bolt on one of the members movable to engage the other member to hold the door member closed, means to restrain retraction of the bolt, means whereby the speed of the vehicle determines the force of the restrain-



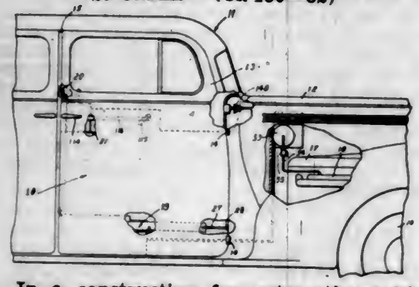
ing means and electro-magnetic means effective to retract the bolt under a predetermined condition of the restraining means but ineffective to retract the bolt under other conditions of the restraining means.

2,187,935

VEHICLE DOOR CONTROLLING MECHANISM

Burnie J. Craig, Los Angeles County, Calif.

Application May 7, 1938, Serial No. 206,536
25 Claims. (Cl. 180—82)



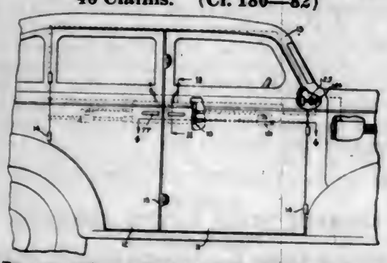
1. In a construction for automotive vehicles including a body member having a door opening and having a door member hinged at one side of the opening, a bumper on one of said members and engaging the other member to urge the door to open position, latch means to hold the door member closed, means under control of the speed of the vehicle to actuate the latch means to release the door member and means to release the pressure of the bumper on the other member prior to the movement of the latch means to door releasing position.

2,187,936

AUTOMOTIVE VEHICLE DOOR LATCH

Burnie J. Craig, Los Angeles County, Calif.

Application April 7, 1939, Serial No. 266,525
46 Claims. (Cl. 180—82)



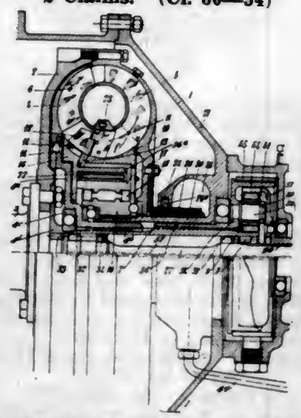
1. In an automotive vehicle door latch, a bolt, outside finger top controlled, vehicle speed influenced, means operable to release the bolt, outside hand operated control means to release the bolt and a single means operable from the exterior of the vehicle to render both outside control means ineffective to release the bolt.

2,187,937

HYDRAULIC DEVICE FOR TRANSMITTING MOVEMENT

Robert Sensaud de Lavaud, Paris, France, assignor to Dimitri Sensaud De Lavaud, Paris, France

Application April 22, 1933, Serial No. 667,408
In France April 23, 1932
2 Claims. (Cl. 60—54)



1. An hydraulic transmission including in combination two devices, namely, a rotary pump, a turbine operated by the fluid discharged from the pump and arranged to return the fluid to the pump, and a redirector between said two devices, the pump, the turbine and the redirector being co-axial with one another and the redirector having vanes which change the direction of the fluid in its passage from one to the other of said devices, the opposite ends of the redirector vanes being pivotally mounted on a pair of adjacent rings with one of said pivots movable axially with respect to its ring, said rings being held in starting angular position by yielding means between them, which permit the vanes to be moved to different angles under the thrust of the fluid.

2,187,938

SHOCK ABSORBER HUB

John R. Eaid, Chicago, Ill., assignor to Samuel A. Ziegler, as trustee

Application May 16, 1935, Serial No. 21,717
4 Claims. (Cl. 152—112)



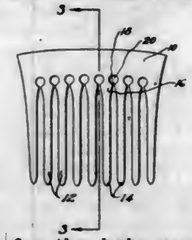
1. A shock absorber hub for wheels comprising a series of springs, a spring housing about which said springs are arranged and adapted to fit over the housing and with which one end of the springs engages, means for causing the other ends of the springs to be engaged by the hub, there being a space between the spring housing and the hub, so that the housing can come toward the hub entirely therearound, said springs when in position being under high compression so that they are in a compressed condition throughout their maximum and minimum elongation during the movement of the hub, so that they are never subjected to a reversal of stress when the wheel is in operation.

2,187,939

COMB

Crofton C. Holden, Leominster, Mass., assignor to Tilton & Cook Co., Leominster, Mass., a corporation of Massachusetts

Application March 15, 1939, Serial No. 262,062
2 Claims. (Cl. 132—21)



1. A comb for the hair, comprising a back portion, a series of uniformly spaced teeth terminating in reduced end portions, the teeth being parallel sided throughout the major portion of their length and providing ample space for the passage of a lock or strand of hair therebetween, the individual teeth gradually widening as their roots are approached to gradually and similarly narrow the space therebetween and provide a narrowing throat portion restricted to virtually a narrow slot at the widest portion of the teeth, the teeth beyond the widest portion at the root junctions being abruptly cut back to form hair-retaining shoulders, the teeth being separated in this area by enlarged openings from which the narrow slots at the end of the throat portions emerge to facilitate insertion of the comb into the hair with a lock or strand of hair passing easily from the gradually restricted throat into the openings and trapping the hair therein in a manner to prevent accidental dislodgment and to hold the comb with the length of the teeth firmly buried in the hair.

2,187,940

SLACK ADJUSTER

Arthur Greenwood Kershaw and Kenneth Howard Leech, London, England, assignors, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 26, 1938, Serial No. 198,252
In Great Britain May 10, 1937
5 Claims. (Cl. 188—202)



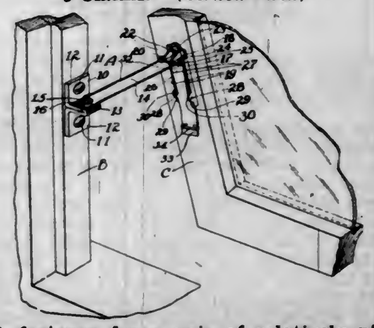
1. A slack adjuster device for the brake rigging of a fluid pressure brake system comprising slack take-up means, a clutch device operatively connected to said take-up means for effecting the operation thereof to take up slack, manually operative means for releasing said clutch device to render said take-up means operable independently of said clutch device, and actuating means operative automatically to effect operation of said manually operative means to render said clutch device effective to operate said take-up means and to also effect operation of said clutch device to operate said take-up means.

2,187,941

WINDOW BRACKET

William Walter King, Portage La Prairie, Manitoba, Canada

Application May 19, 1937, Serial No. 143,555
In Canada September 14, 1936
9 Claims. (Cl. 292—262)



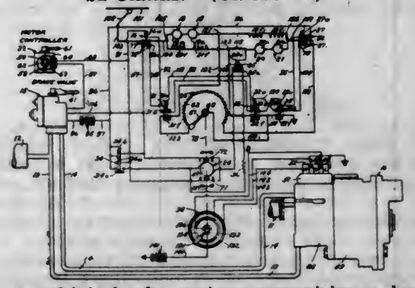
1. A fastener for a pair of relatively pivotal members including a bracket secured to one of said members, a steel tape connected to said bracket, a bracket on the other of said pivotal members, and means on said last named bracket frictionally engaging said tape, said means sharply changing the direction of said tape and overlying a substantial length thereof adjacent said change of direction.

2,187,942

BRAKE SYSTEM

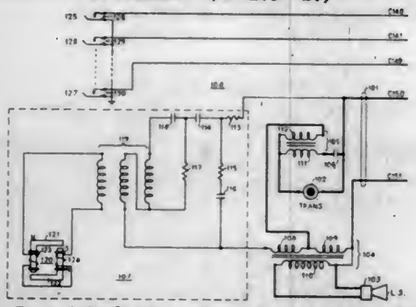
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 4, 1937, Serial No. 178,061
21 Claims. (Cl. 303—3)



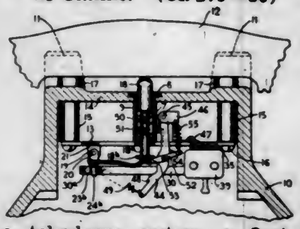
1. A vehicle brake system comprising a brake cylinder, means operative to cause fluid under pressure to be supplied to the brake cylinder to effect an application of the fluid pressure brakes, at least one traction motor for said vehicle operative as a generator in a dynamic braking circuit to retard the motion of the vehicle, and means under the control of the current in the dynamic braking circuit for automatically effecting a reduction in brake cylinder pressure as the speed of the vehicle reduces during an application of the brakes.

2,187,943
TELEPHONE SYSTEM
Clarence Ernest Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 27, 1938, Serial No. 204,494
20 Claims. (Cl. 179—17)



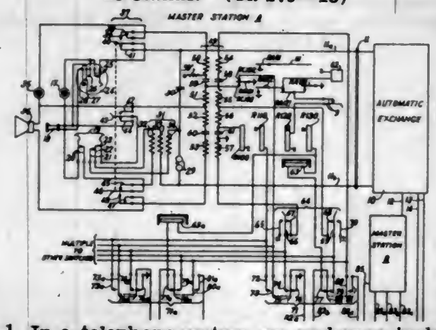
1. In a telephone system, a plurality of lines, automatic switching equipment for setting up connections between said lines, a substation, a link line adapted to be utilized in a connection between said substation and any one of a group of said lines, relays individually associated with the lines of said group, each of said relays including contacts for connecting the associated line to said link line, an operating circuit for each of said relays, means comprising switches located at said substation and individually corresponding to said relays for selectively completing said operating circuits, and means including apparatus operative in response to the operation of any one of said switches for effectively connecting said link line to said substation.

2,187,944
TELEPHONE SYSTEM
Clarence Ernest Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 27, 1938, Serial No. 210,378
18 Claims. (Cl. 179—39)



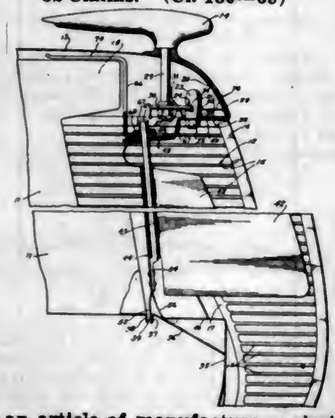
1. In a telephone system, a first telephone station including a transmitter and a receiver, a plurality of additional telephone stations, a plurality of lines individually corresponding to said stations and each extending between all of said stations, each of said lines being adapted to be used only on calls incoming to the corresponding station, said first station including a line selecting switch operable to a plurality of positions individually corresponding to said lines to select said lines for use on calls to the stations corresponding to said lines, a second switch provided at said first station and having a plurality of operating positions including a normal position, means responsive to operation of said second switch to one of its operating positions for connecting said transmitter and receiver for use in communicating over the line corresponding to said first station irrespective of the position of said line selecting switch at the time said second switch is operated, means responsive to operation of said second switch to another of its operating positions for connecting said transmitter and receiver for use in communicating over the line corresponding to the position of said line selecting switch, and means responsive to operation of said second switch to its normal position for disconnecting said transmitter and receiver from all of said lines.

2,187,945
TELEPHONE SYSTEM
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 20, 1938, Serial No. 220,162
18 Claims. (Cl. 179—18)



1. In a telephone system, an exchange including line switching apparatus, a first telephone station including a transmitter, a receiver and an audio frequency current coupling device arranged to be interconnected to form a substation circuit, a second telephone station, means comprising said line switching apparatus for setting up a connection between said stations which includes said substation circuit, switching means operative to exclude said coupling device from said substation circuit, a line extending between said stations, and means comprising said line and said switching means for setting up an alternative connection between said stations which includes said substation circuit with said coupling device excluded therefrom.

2,187,946
APPARATUS FOR CONTROLLING FLOW OF AIR TO RADIATORS
George Albert Lyon, Allenhurst, N. J.
Application December 8, 1936, Serial No. 114,798
32 Claims. (Cl. 180—69)



1. As an article of manufacture, a shutter for

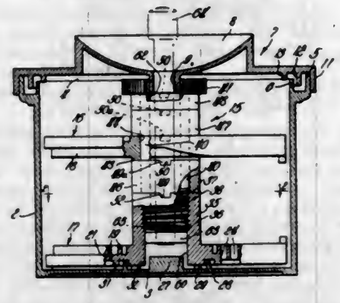
disposition in front of a radiator including a single pair of angularly arranged fins adapted to be converged and diverged, said shutter having means thereon for detachably securing it between a vehicle radiator and a radiator grille.

2,187,947
MICROSCOPIC REVOLVING MAP
Charles A. Marks, Elkhart, Ind.
Application January 16, 1939, Serial No. 251,150
7 Claims. (Cl. 35—46)



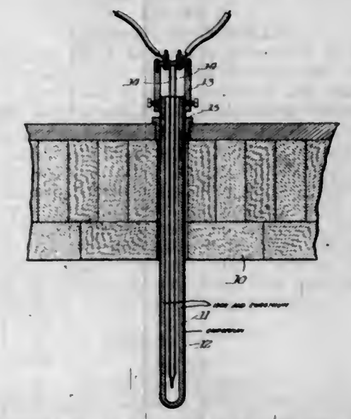
1. In a device of the class described, a globe for supporting a microscopic map, a casing within which the globe is mounted, a ring surrounding said globe, said ring having trunnions on opposite sides, said casing having bearings on opposite sides in which said trunnions are pivotally mounted, said globe having a pivotal connection with said ring, the axis of said pivotal connection being at right angles to the axis of said trunnions, means on said pivotal connection and extending outside said casing for turning said globe about both said axes, said casing having an opening for viewing said globe, magnifying means in said opening, and means adjacent said opening for illuminating said globe.

2,187,948
DEVELOPING TANK
Francis Moore, Chicago, Ill., assignor to Albert Specialty Company, Chicago, Ill., a partnership composed of Stanley Flesch and Harold Flesch
Application July 27, 1939, Serial No. 286,766
11 Claims. (Cl. 95—90.5)



1. An adjustable developing tank comprising a container, a cover therefor, the latter and the bottom of the container having reel-receiving means spaced apart a fixed distance, and a reel comprising upper and lower reel heads having inwardly projecting ribs forming film-receiving grooves, one of said heads having an axial extension, the inner portion of which is threaded, and the other head having a central opening, a plurality of spacing collars of various axial dimensions and the outside diameter of each being less than the diameter of the radially innermost ribs of the heads whereby the collars clear said ribs and may be disposed interchangeably between said heads and on the outside of said other head so that the latter may be placed closer to said one head than when all of said collars are placed between said heads, a threaded member adapted to be engaged with said axial extension and cooperating therewith to clamp said heads and all of said collars together independently of whether any or all of the latter are placed inside or outside of said other head, and means on the reel spaced apart a fixed distance axially independently of the disposition of said collars inside or outside said other head and corresponding to the fixed spacing between the reel-receiving means on said container bottom and said cover for mounting said reel for rotation in the container relative to the bottom thereof and the cover when the latter is in position on the container.

2,187,949
PYROMETER TUBE
Charles E. Noble, Cleveland, Ohio, assignor to Claud T. Gordon Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1937, Serial No. 181,154
1 Claim. (Cl. 136—4)

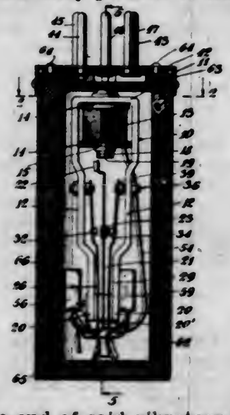


A pyrometer protecting tube composed of alloy steel containing from 27% to 35% chromium, said tube having an outer layer substantially impervious to gases comprising a coating of approximately pure chromium.

2,187,950
MAGNETIC INTERRUPTER
Marvin E. Nulsen, Indianapolis, Ind., Raymond S. Yoder, Chicago, Ill., and William P. Lear, New York, N. Y., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 14, 1934, Serial No. 715,478
23 Claims. (Cl. 200—90)

1. In a potential changer adapted for use with a direct current source as a power supply such as the "B" supply of an automobile radio, an article of manufacture consisting of a mechanical interrupter unit comprising a base of magnetic permeable material, a magnetic coil mounted on one end thereof, a core for said coil having one end thereof disposed adjacent to a portion of said base and the other end thereof facing toward the other end of said base, a vibratory reed of magnetic permeable material mounted on and magnetically connected to the last-mentioned end of said base and having the free end thereof extending toward the last-mentioned end of said

core with the major portion of the body thereof disposed substantialy parallel to the axis of said



core, the free end of said vibratory reed thereby constituting one pole of said magnetic coil.

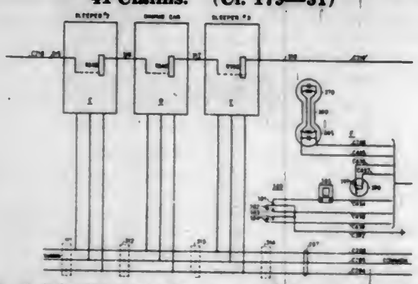
2,187,951

TELEPHONE SYSTEM

Edward S. Peterson, Elmwood Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 6, 1938, Serial No. 183,591

41 Claims. (Cl. 179—31)



1. A telephone system comprising, in combination, a plurality of telephone stations each including an impulsing device and a signal device, automatic switches individually associated with at least a portion of said stations, each of said switches having operating positions individually corresponding to said stations, means responsive to the initiation of a call at one of said stations for conditioning the switch associated with a called one of said stations to respond to the operation of the impulsing device at the calling station, means also responsive to the initiation of said call for rendering all of said switches nonresponsive to the operation of the impulsing devices at the other stations, means responsive to a predetermined operation of the impulsing device at said calling station for causing the switch associated with said called station to operate to the position corresponding to said called station, and means automatically operative following the operation of said last-named switch to the position corresponding to said called station for causing the operation of the signal device at said called station.

2,187,952

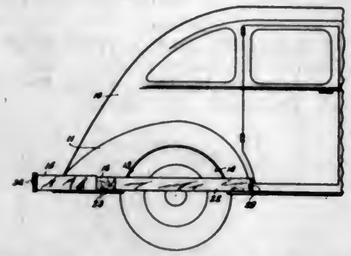
FENDER GUARD

William I. Rusche, Cincinnati, Ohio

Application July 14, 1937, Serial No. 153,566

5 Claims. (Cl. 293—57)

1. A guard for fenders on vehicles provided with bumpers, the guard comprising a pair of rail members disposed in lengthwise alignment and attached together for longitudinal movement relative to one another, and means for attaching one of said members to a lateral portion of a fender and the other of said members to the



adjacent bumper, the positioned rail unit being adapted to extend along the outer side of the fender for receiving lateral impacts in the direction of the protected fender, and the rail unit being further adapted to yield longitudinally thereof upon impact directed against the associated bumper.

2,187,953

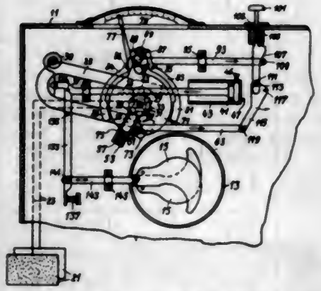
PHOTOGRAPHIC CAMERA

Walter Schmidt, Berlin, Germany, assignor of one-half to Friedrich Deckel, Munich-Prince-Ludwigshohe, Bavaria, Germany

Application December 7, 1937, Serial No. 178,555

In Germany December 10, 1936

10 Claims. (Cl. 95—62)



1. A photographic camera having mechanism for taking pictures, said mechanism including variable means settable to a plurality of different positions corresponding to different conditions, disengageable driving means movable in one direction through a substantially constant range of travel at each operation, for moving said variable means from a position near one end of its range of movement toward the opposite end of said range, photocell means responsive to the light available for taking a picture, and a movable control element operatively connected to said photocell means to be set thereby in a position corresponding to the strength of said available light, said control element cooperating mechanically with said driving means to disengage said driving means from said variable means when said driving means reaches a position corresponding to the setting of said control element, so that said variable means will be moved by said driving means to a position corresponding to the strength of said available light and so that said driving means may then continue to move through its said range of travel independently of said variable means.

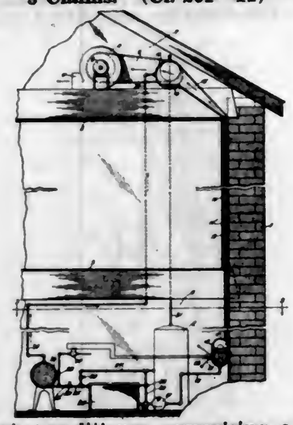
2,187,954

AIR CONDITIONER

Russell J. Smith, Richmond Heights, Mo.

Application December 13, 1937, Serial No. 179,475

3 Claims. (Cl. 261—11)



1. An air conditioner comprising a manifold arranged to contain air and water, means forming a combined air inlet and water outlet passage for admitting air into and conducting water from said manifold, a water supply tank, a pipe for conducting water from said tank into said manifold and opening into said manifold substantially above the level of the water therein, a receptacle arranged to receive water from said passage and to admit air into said passage, a pump for receiving water from said receptacle and forcing said water into said tank and thence through said pipe into said manifold, means for admitting water to said tank from an exterior source of supply, and mechanism operated by the water in said receptacle controlling said last named admission of water into said tank.

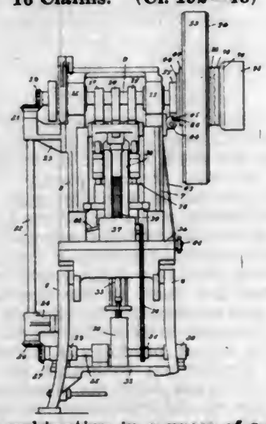
2,187,955

PRESS AND CLUTCH THEREFOR

Rudolph Sonnenberg, Belvidere, Ill., assignor to Mid-West Bottle Cap Co., Belvidere, Ill., a corporation of Illinois

Application January 26, 1938, Serial No. 186,999

16 Claims. (Cl. 192—48)



1. The combination in a press of a die, a shaft for reciprocating said die, a flywheel for driving said shaft, and two clutches between the shaft and the flywheel, one of said clutches being manually operable between engaged and disengaged positions, and the other of said clutches being an overload clutch movable to the disengaged position in response to a predetermined excess in pressure on said die to release said flywheel from driving connection with said shaft.

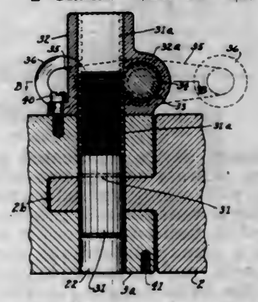
2,187,956

PIPE WRENCH

James O. Tow, South Pasadena, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application May 5, 1936, Serial No. 77,996

1 Claim. (Cl. 81—66)



A pipe wrench having a lever and a series of pipe-encircling links connected to the same, said parts constructed to swing in a substantially horizontal plane, and having a disconnectible joint including a latching pin, with lever means connected with the pin for raising said pin to disconnect said joint, said lever means mounted to swing in a substantially vertical plane past a vertical position so that the action of gravity on said lever means will hold the latching pin in its latched or its unlatched position.

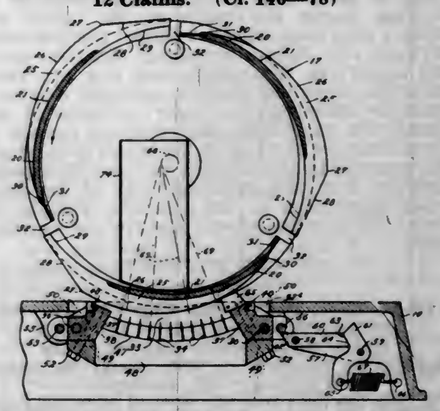
2,187,957

DICING MACHINE

William E. Urschel, Valparaiso, Ind.

Application May 13, 1937, Serial No. 142,359

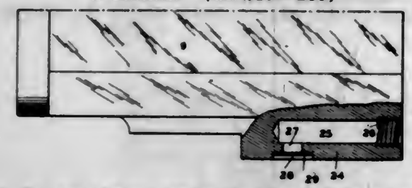
12 Claims. (Cl. 146—78)



1. Slicing apparatus comprising a curved slicer member having leading and trailing edges respectively at the extremities of curvature thereof, cutting means upon said leading edge, and a plurality of spaced apart cam elements upon said member, said cam elements extending away from said leading edge toward the trailing edge and having extension sections projecting beyond said

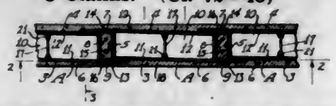
trailing edge, and the inner faces of such extension sections receding radially outwardly with respect to the curvature in said curved member.

2,187,958
HOT BOX ALARM
Albert Vigne, Webster Groves, and Isaac Eugene Cox, Kirkwood, Mo., assignors to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application February 18, 1939, Serial No. 257,060
2 Claims. (Cl. 246—169)



1. In an alarm device for heated bearings, a signal system, a brass having one of its thrust lugs provided with a longitudinally extending air passage, a lateral vent for said passage closed by a disk secured in position by fusible solder, said disk lying in a plane substantially parallel with the bearing bore, and connections between said passage and the signal system for reducing pressure in the latter when the disk is released by melting of the solder.

2,187,959
HOLLOW WALL STRUCTURE
George W. Williams, Burlingame, Calif.
Application June 11, 1938, Serial No. 213,218
8 Claims. (Cl. 72—48)



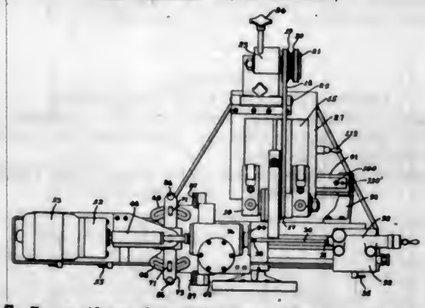
1. A hollow concrete wall construction comprising top and bottom plates, forms secured to the plates and having portions paralleling the sides of the plates and transverse portions extending across the width of the plates with flanges that abut adjacent forms, the transverse portions and flanges providing concrete receiving enclosures, concrete poured into the enclosures for providing concrete columns, a layer of concrete inclosing the outer surfaces of said forms, the flanges having openings therein for permitting the concrete in the layers to bond with the concrete in the columns and provide a homogeneous wall, the other portions of the forms being impervious to the concrete, whereby the forms will provide hollow spaces in the completed wall.

2,187,960
DEAD LINE FASTENER AND CLAMP FOR DERRICK LINES AND THE LIKE
Henry Allyn Wood, Berkeley, Calif.
Application January 29, 1937, Serial No. 122,968
4 Claims. (Cl. 24—115)

4. For use on a line having one of its end portions extended off to the work and its other end portion dead-ended, a fastener applicable to said line intermediately of said ends so as to lay the dead end portion in reserve and to suspend the fastener in mid-air, said fastener including a backing member, anchoring means extended from said backing member to a solid foundation so that the pull on the active line will be transferred directly to the anchoring means, clamp means adapted to be moved wide open to admit the line without having to thread the dead end portion therethrough, said clamp consisting of a pair of gripping members to receive the dead end of the line therebetween, supporting means loosely carrying one of the gripping members, an arm carried by the backing member and having said supporting means and the other gripping member commonly connected thereto, and means acting between the supporting means and said loose gripping member to adjust said loose gripping member.

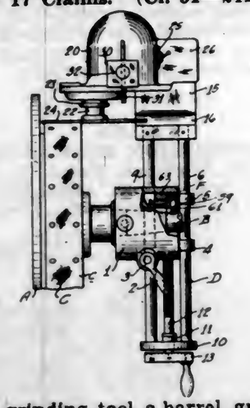


2,187,961
MACHINE TOOL
Willis Fay Aller and Harry L. Rausch, Dayton, Ohio, assignors to The Sheffield Gage Corporation, Dayton, Ohio, a corporation of Ohio
Application January 15, 1938, Serial No. 185,171
12 Claims. (Cl. 51—95)



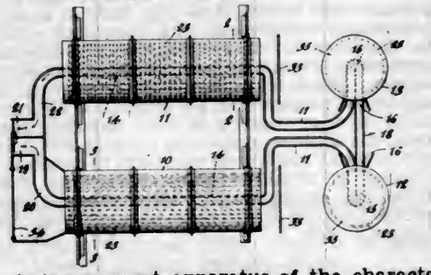
7. In a thread cutting machine of the character described, work supporting means, means for rotating the work, a grinding wheel, a grinding wheel support, moving means for moving the work in an axial direction with respect to the grinding wheel and comprising an angularly adjustable straight-sided bar operably connected to the work supporting means and means for bodily moving said bar at an angle to the work axis to move the work in the direction of the work axis, and mechanism for moving the grinding wheel support toward the work axis while the grinding wheel produces a thread on the work, said mechanism including an angle bar operable to different positions of adjustment determining the rate of movement of the grinding wheel towards the work, and means for bodily moving said angle bar in accordance with the axial movement of the work respecting the grinding wheel.

2,187,962
COMBINATION PRECISION GRINDER AND CALIPER
Harry B. Barrett, St. Louis, Mo.
Application October 14, 1936, Serial No. 105,473
17 Claims. (Cl. 51—241)



16. In a grinding-tool, a barrel, grinding means supported by the barrel, means for selectively mounting the barrel for rotation on spindles of different lengths and different taper, said means including a sleeve having two cooperable sections for disposition on and about a particular spindle, spindle engaging and centering means within each of said sections, one of said sections being endwise shiftable with respect to the other section for varying the relative disposition of the spindle engaging and centering means of said sections, means for securing said sections together in desired shifted relation, and bearing means disposed on and about said sleeve sections for rotative supporting engagement with said barrel.

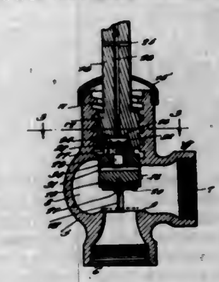
2,187,963
AMUSEMENT APPARATUS
Norman Bartlett, Weehawken, N. J.
Application December 17, 1937, Serial No. 180,413
15 Claims. (Cl. 272—17)



1. An amusement apparatus of the character described, comprising a substantially cylindrical enclosure through which patrons may pass, and a succession of parallel light-emitting elements disposed in collective predetermined fashion on the internal wall of said enclosure for intermittent lighting in predetermined sequence to produce an illusion of movement of the enclosure.

2,187,964
VALVE
Frederick Morgan Brown, Los Angeles, Calif.
Application February 9, 1939, Serial No. 255,524
1 Claim. (Cl. 277—55)

A combined check and cut-off valve comprising a casing having an inlet and outlet, a valve seat in alinement with said inlet, a vertically movable valve head carrying a valve washer for engaging said valve seat, said valve head having a transverse opening therethrough communicating with a vertical passage through the top of the valve head, vertical ribs formed on opposite sides of said valve head adapted to engage in vertical slots in the walls of said casing to guide the movement of the valve head, a stem threadedly mounted in said casing for movement towards and from said valve head having a recess in its lower end communicating with a longitudinal passage through the stem, said longitudinal passage having radial passages extending therefrom adjacent the upper end of said stem outside of said casing, a nut threaded in the recess in the lower end of said stem having a longitudinal bore and radial passages extending therefrom, the longitudinal bore of said nut being in alinement with the vertical passage in said valve head, a valve disk disposed in the recess in the lower end of said stem between said nut and the lower end of the longitudinal passage of the stem, and pins projecting upwardly from the inner side of said nut to prevent said valve disk from closing the bore of said nut.

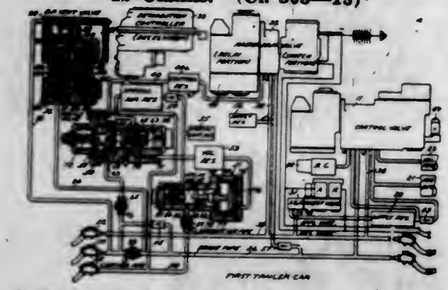


2,187,965
GARMENT FORM
Edythe Drage Browne, Chicago, Ill.
Application July 28, 1938, Serial No. 221,761
5 Claims. (Cl. 223—68)



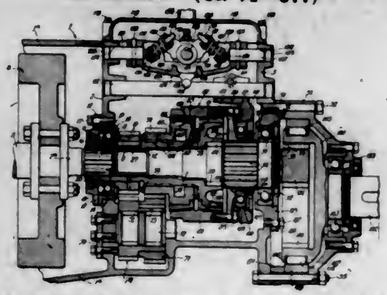
1. A garment form comprising, a foundation garment generally of a shape and size to fit the torso of a person and adapted to be placed thereon, and a plurality of adhesive sections formed to a pattern generally corresponding with the size of the person, each section being of different shape and conforming generally in contour with a correspondingly shaped portion only of the body of the person, said sections being adapted to be applied to said foundation garment while same is in place upon the person, said shaped adhesive sections adapted to be hand-molded to define accurately the distinctive figure conformation of the torso and of a character to impart stiffness and rigidity to the form whereby it will retain its shape for fitting garments thereon when removed from the person.

2,187,966
HIGH SPEED BRAKE
Patrick H. Donovan, Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 16, 1936, Serial No. 105,956
12 Claims. (Cl. 303—13)



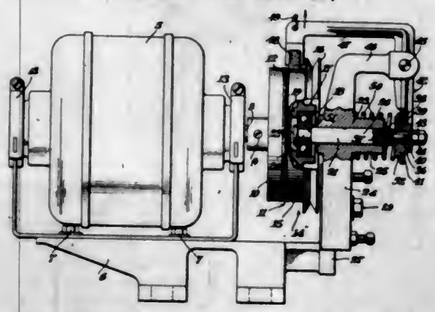
1. In a vehicle brake system, in combination, a brake pipe, means for effecting either service or emergency reductions in brake pipe pressure, means operative responsive to a service reduction in brake pipe pressure for effecting an electropneumatic application of the brakes, and means operative responsive to an emergency reduction in brake pipe pressure for effecting by automatic operation an application of the brakes in the event that the electropneumatic application should fail to materialize.

2,187,967
REVERSE GEAR
Thomas L. Fawick, Akron, Ohio
Application March 16, 1935, Serial No. 11,505
13 Claims. (Cl. 74—377)



1. A transmission comprising a gear case, a tubular driving shaft mounted for rotation in said gear case, bearing means for the forward end of said tubular driving shaft, a driven shaft also mounted for rotation in said gear case, bearing means supporting the rear end of said driven shaft therein, the forward end of said driven shaft being disposed within and adjacent the forward end of said tubular driving shaft, bearing means supporting the forward end of said driven shaft in said tubular drive shaft, said bearing means being disposed adjacent the bearing means for the forward end of the latter, bearing means adjacent the rear end of said driven shaft for supporting the rear end of said tubular drive shaft thereon, the portion of said driven shaft between said last named bearing means and the bearing means for the rear end of the driven shaft being splined, a driving member carried by said driving shaft, a second driving member mounted for rotation on said tubular drive shaft and driven therefrom differently than said first driving member, a shiftable member operatively connected with said splined section and movable from one position to another frictionally to engage either of said driving members, and thrust bearing means adjacent the bearing means that supports the rear end of the tubular driving shaft and cooperating with said second driving member and said tubular driving shaft to prevent the thrust of said shiftable member against said second driving member from moving the same away from said first driving member.

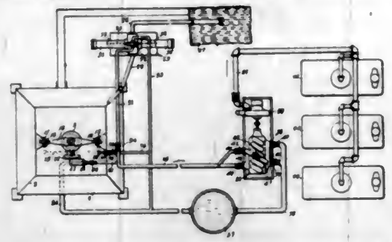
2,187,968
TRANSMISSION MECHANISM
Samuel M. Friedman, Brooklyn, N. Y.
Application June 1, 1938, Serial No. 211,120
7 Claims. (Cl. 192—17)



1. In a transmission mechanism, a drive shaft, a clutch assembly containing a driving plate and a pulley member, a support, a slidable shaft slidably mounted within said support and in operative engagement therewith for substantially its entire length, means associated with said support for holding said slidable shaft against rotation, said plate being affixed to said drive shaft and said pulley member being rotatably mounted upon said slidable shaft, a lever pivotally mounted upon said support and having one terminal thereof provided with brake means engageable with the pulley member, the other terminal of the lever being engageable with and pivotally connected to the adjacent terminal of said slidable shaft, and spring means remote from said slidable shaft and in constant engagement with said lever, whereby the said brake on the lever is normally in engagement with the pulley member and the opposite terminal of the lever normally holds, through its said pivotal connection, the slidable shaft and the pulley member thereon in their inoperative positions; the support containing a boss portion and a hole in axial alignment with said drive shaft and adapted to slidably accommodate said slidable shaft, the spring means comprising a helical spring mounted over said boss and in abutment with said lever.

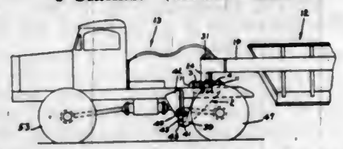
2,187,969
DRILLING SYSTEM
Herbert E. Grau, Pasadena, and John D. Chesnut, San Marino, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application March 21, 1938, Serial No. 197,102
7 Claims. (Cl. 255—19)

1. A hydraulic well drilling system comprising a rotary drill having mud passages therethrough and a hollow drill string for supporting and rotating said drill and conducting mud thereto, a rotary table for rotating the drill string and drill and a hydraulic motor for rotating the rotary table, said motor supplying a torque to said table which increases with an increase in pressure of motive liquid supplied to said motor, a hydraulically actuated mud pump for forcing drilling mud through said drill string and drill, said mud pump being of the variable speed piston type in which the volume of mud pumped bears a fixed relation to the volume of motive liquid consumed and the pressures of the mud and motive liquid



are interdependent, and a common source of motive liquid supplying motive liquid to both said mud pump and said hydraulic motor in parallel connection, whereby an increase in resistance to flow of mud through said drill automatically increases the pressure of said motive liquid and the speed of rotation of said hydraulic motor, rotary table and drill.

2,187,970
TRAILER HITCH
Edward R. Greer, Minneapolis, Minn.
Application May 24, 1937, Serial No. 144,403
6 Claims. (Cl. 280—33.44)



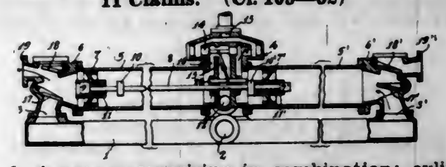
1. A trailer hitch comprising a yoke having depending arms adapted to be coupled to a power unit, spaced bearings on the yoke, a horizontal spindle mounted for rocking movement in said bearings, a vertical spindle having a hub mounted on the horizontal spindle between said bearings, means for immovably securing said hub to the horizontal spindle, and a coupling member receiving said vertical spindle and having means for detachably connecting it to the forward end of a trailer frame.

2,187,971
AUTOMATIC VALVE FOR FLUIDS UNDER INTERMITTENT PRESSURE
Morris Herzig, Oakland, Calif., assignor to Max Leopold Herzig, Seattle, Wash.
Application November 20, 1936, Serial No. 111,881
5 Claims. (Cl. 221—60)



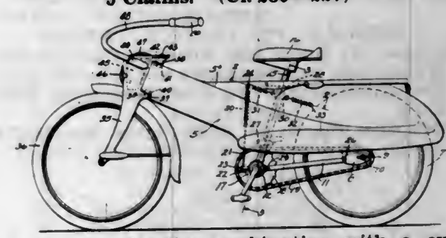
1. In combination with a collapsible tube having a discharge passage and a discharge opening at a side of said passage, a body of resilient compressible material mounted in said passage at the outer end thereof and covering said opening to close said passage, and means extending across the outer end of said passage and confining said body in said passage and for longitudinal compression therein.

2,187,972
PUMPING APPARATUS
Aladar Hollander, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application March 21, 1938, Serial No. 197,139
11 Claims. (Cl. 103—52)



1. A pump comprising in combination: cylinder means and a pair of pistons reciprocable therein, intake and discharge lines, valve means for connecting said intake line to said cylinder means on the suction side of each piston when the piston is moving in one direction and connecting said discharge line to said cylinder means on the same side of each piston when the piston is moving in the opposite direction, and means for moving said pistons simultaneously at equal speeds in opposite phase relation throughout the mid-portions of their stroke and moving said pistons in in-phase relation to each other adjacent the end of each stroke whereby the pumping strokes of the pistons overlap.

2,187,973
CYCLE
Finn T. Irgens, Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Wilmington, Del., a corporation of Delaware
Application July 31, 1936, Serial No. 93,567
5 Claims. (Cl. 280—227)

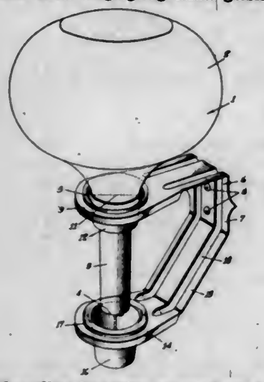


1. In a cycle, the combination with a cycle frame, of a link pivotally connected therewith and extending in a general longitudinal direction, a seat post pivoted to said link for movement in a general up and down direction and for movement forwardly and rearwardly about its pivotal connection with the link, said frame including means confining said seat post against excessive lateral displacement, and means yieldably supporting the post against downward displacement and for yieldably resisting forward and rearward displacement of said post about its pivotal connection with the link, said post carrying a seat at its upper end and being provided adjacent its lower end with a crank hanger at substantially uniform spacing from the seat.

2,187,974
BRACKET FOR COFFEE BREWING VESSELS
Karl L. Johnson, Los Angeles, Calif.
Application December 10, 1937, Serial No. 179,118
1 Claim. (Cl. 65—65)

In a bracket for supporting coffee brewing vessels which have a container portion and a stem extending therefrom and surrounded by a gasket disposed on said stem, the combination of:

a bracket body including a vertically extending portion and an upper bracket arm formed integrally therewith and extending substantially horizontally; an opening in said upper bracket arm; a skirt member extending about said opening and having a shape conforming with the external shape of the gasket on said stem for receiving said stem and engaging said gasket for sup-



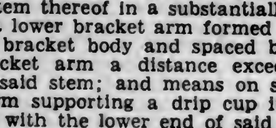
porting said coffee brewing vessel and maintaining said stem thereof in a substantially vertical position; a lower bracket arm formed integrally with said bracket body and spaced below said upper bracket arm a distance exceeding the length of said stem; and means on said lower bracket arm supporting a drip cup in vertical alignment with the lower end of said stem and spaced downwardly therefrom.

2,187,975

THERMAL PROTECTIVE SWITCH

Clarence W. Kuhn and Allan P. Charbonneau, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application March 23, 1939, Serial No. 263,715
10 Claims. (Cl. 200—139)



1. A thermal protective switch comprising bimetal strips each supported at one end, cooperating contacts respectively carried by said strips adjacent their free ends, said strips flexing in like directions in response to temperature changes, and one having greater sensitivity than the other to temperature changes, means associated with the strip of lesser sensitivity to impart a snap action thereto in opposite directions, and means to arrest the strip of greater sensitivity in a position to utilize the snap action of the other strip for disengagement of said contacts, the strip of greater sensitivity thereafter assuming a position to utilize the reverse snap action of the other strip for re-engagement of said contacts.

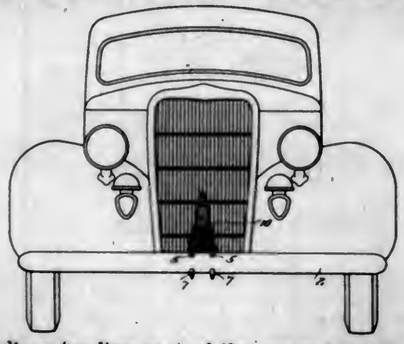
2,187,976

COMBINED RADIATOR PROTECTOR AND EMERGENCY TANK

Philip A. La Delfa, Perry, N. Y.

Application May 12, 1938, Serial No. 207,565
3 Claims. (Cl. 293—55)

1. In a device for protecting the radiator of an auto, the combination of an upper bracket adapted to engage over the bumper and extend rearwardly and then downwardly therefrom, a lower bracket adapted to engage under the bumper and extend rearwardly therefrom into engagement with the downwardly turned part of the upper bracket, a bolt longer than the width of the bumper having its head nested in the rear-



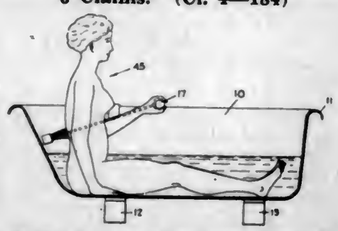
wardly extending part of the upper bracket and extending downwardly therefrom, the lower end of said bolt passing through both of said brackets and holding said brackets together, a protecting device attached to the top of the first named bracket and extending upwardly therefrom in front of the radiator.

2,187,977

BACK WASHER

Bert E. Large, Lincoln, Nebr.

Application December 5, 1938, Serial No. 244,011
6 Claims. (Cl. 4—184)



1. A bath brush attachment comprising a clamp adapted to engage the side of a bath tub, a rod pivoted to said clamp at a point such that when said clamp is secured to a tub said rod extends substantially its full length closely adjacent the side of the tub to which said clamp is secured, said rod being pivotably movable about an axis substantially transverse to said rod in a substantially vertical plane extending longitudinally of the tub, said rod being provided with a handle portion and a portion disposed transversely with respect to the remainder thereof, and a brush secured to said transversely extending portion of the rod.

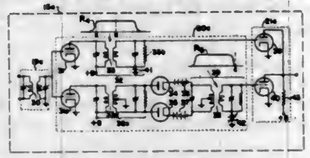
2,187,978

MODULATED-CARRIER SIGNAL-TRANSLATING SYSTEM

Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application January 10, 1939, Serial No. 250,130
11 Claims. (Cl. 250—20)

1. A signal-translating system comprising, an input circuit adapted to have a signal impressed thereon comprising a carrier wave and a modulation-frequency band excluding at least a major portion of one of the modulation sidebands, nonlinear signal-translating means coupled to said input circuit for distorting said impressed signal



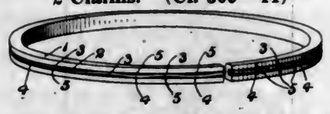
to derive therefrom signal components corresponding to said excluded portion of said sideband, and an output circuit coupled to said signal-translating means for utilizing said derived signal components.

2,187,979

PISTON RING

Ellis G. Malpas, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan

Application May 23, 1938, Serial No. 209,494
2 Claims. (Cl. 309—44)



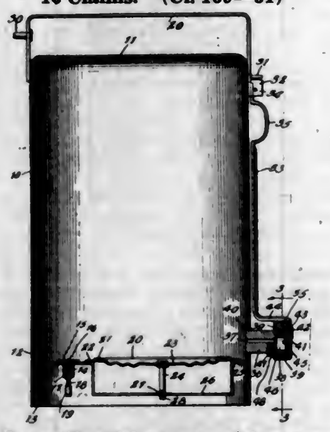
1. A piston ring comprising, a ring member of cast iron of substantially uniform cross section having a substantially continuous groove in its outer curved side, and a sealing member of softer material located in said groove, said sealing member being of a wavy form with alternate elevations and depressions in its length with the highest points of said elevations and lowest points of the depressions engaging opposite sides of the groove at spaced apart points, and the sealing member being retained in the groove by pressure of said rises and depressions against the wall of the groove.

2,187,980

FIRE EXTINGUISHER

Albert V. Martin, Elmwood Park, Ill.

Application March 16, 1937, Serial No. 196,257
10 Claims. (Cl. 169—31)



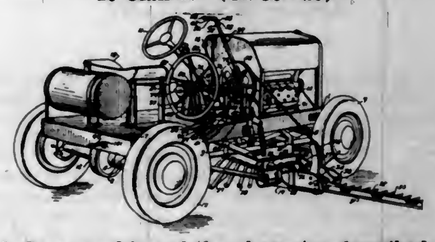
5. A fire extinguisher comprising a container adapted to hold fluid, a nozzle in the lower portion thereof, a hand lever having a fulcrum adjacent the lower end of said container, said lever extending in front of said nozzle and upward along the side wall of said container toward the upper end thereof, said lever having a slit adjacent said nozzle, a rip-strip sealing the discharge port of said nozzle, said strip having a portion passed through said slit and anchored to said lever, whereby when said lever is moved upon its fulcrum said strip is adapted to be torn from said nozzle to unseal the discharge port.

2,187,981

MOWING MACHINE

Fred P. Martin, Topeka, Kans.

Application April 1, 1938, Serial No. 199,474
16 Claims. (Cl. 56—25)



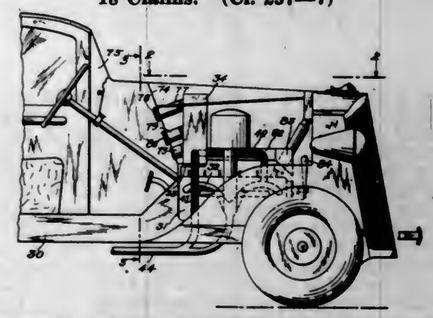
1. In a machine of the character described, a mobile frame, a sickle, means pivotally mounting the sickle on said frame, a cable winding member rotatably supported on said frame, a cable connecting the winding member with the sickle, means on the frame for actuating the winding member, counterbalance means, a connecting member fixed relatively to the winding member, and means connecting the counterbalance means with the connecting member for substantially counterbalancing the sickle through said cable and cable winding member.

2,187,982

AIR-CONDITIONING SYSTEM AND APPARATUS

James B. Moncrief, Copperhill, Tenn.

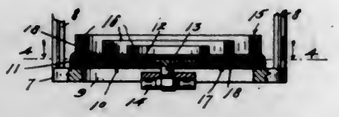
Application May 12, 1938, Serial No. 207,469
18 Claims. (Cl. 257—7)



1. In an automotive vehicle having a passenger space and a power plant including a fan, in combination, an absorption refrigerating device adjacent said power plant behind said fan and including a generator, a condenser, an evaporator and an absorber, means to conduct exhaust gases from said power plant in heat exchange relationship with said generator to operate said device, means operable by said fan to conduct a current of air over said condenser and said absorber, means independent of said fan to circulate a volume of air from said passenger space about said evaporator and back into said space,

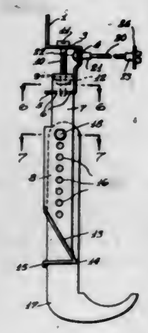
means between said fan and said condenser and absorber to disable said conducting means, and means to divert said volume of air from said evaporator to said condenser and absorber.

2,187,983
STIRRUP PAD
Francis J. Moore, Minneapolis, Minn.
Application April 13, 1938, Serial No. 201,749
4 Claims. (Cl. 54—47)



1. A foot pad of the class described comprising a rubber body member applicable to the foot-engaging member of a stirrup and extending materially forwardly and rearwardly thereof, a metal reinforcement supporting said body outwardly of said foot-engaging member, and means for attaching said pad to the stirrup.

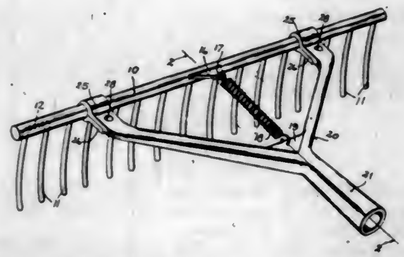
2,187,984
WALL HANGER FOR RADIATORS
John W. Moore, Detroit, Mich.
Application August 16, 1937, Serial No. 159,209
4 Claims. (Cl. 248—234)



4. A supporting structure for a radiator, comprising a bracket having a pair of vertically spaced substantially horizontal walls, a screw mounted in said walls, an elongated U-shaped hook support having parallel members engaging opposite sides of the lower of said pair of walls, means on said members engaging and cooperating with said screw to prevent lateral swinging movement of said hook support, a nut on said screw supporting said hook support and arranged so that rotation of said screw will move said hook support vertically, a hook carried by said hook support and pivoted to and between the walls thereof to limit swinging movement of said hook transverse to the axis of its pivot, and means on said hook and on said hook support for vertical adjustment of said hook relative to said support.

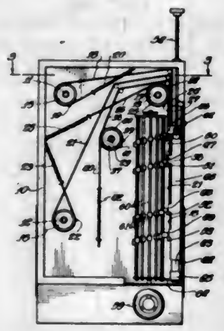
2,187,985
INTERCHANGEABLE SELF-CLEANING RAKE
Laudie J. Mruk, Milwaukee, Wis.
Application April 11, 1938, Serial No. 201,280
1 Claim. (Cl. 56—400.20)

In a self cleaning rake, the combination with a cylindrical rake head composed of light cast metal, paired steel teeth having their upper ends embedded and connected with each other within the cast metal, with the teeth projecting therefrom normally in raking position, a handle having arcuate journal box members partially encircling the head, detachable journal box members complementary to the first mentioned members and each provided with a slot through which one of the rake teeth projects, the rake head being adapted to oscillate in said journal



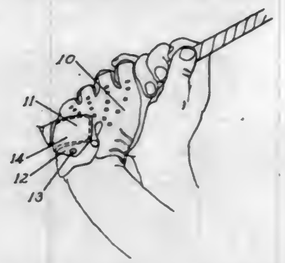
box to the extent permitted by the length of the slot, each detachable member being provided with a bolt for clamping it to the associated handle connected journal box member in cooperation with the associated tooth passing through said slot to prevent swinging movement of the slotted journal member upon said bolt, the embedded ends of the teeth and their cross connections being rigidly held by the cast metal against sliding movement of the teeth through the rake head under impacts of the free ends of the teeth against hard surfaces.

2,187,986
RADIO TUNING SYSTEM
Cyrus T. Read, Chicago, Ill.
Application November 10, 1938, Serial No. 239,738
10 Claims. (Cl. 74—10)



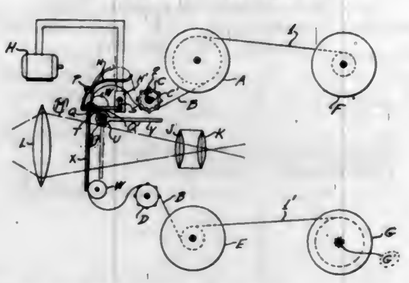
1. A radio tuning system comprising a plurality of adjustable tuning elements; means for yieldingly holding said elements in and returning them toward initial positions; flexible operating means for simultaneously moving said elements to predetermined positions and releasing them for return toward said initial positions; a plurality of sets of adjustable stops for said elements, each set arranged to limit the return of said elements in different tuning relations; and means for simultaneously adjusting said sets of stops to effect different tuning relations of said elements.

2,187,987
GOLF GLOVE
John C. Sherrick, Chicago, Ill.
Application November 2, 1938, Serial No. 238,324
5 Claims. (Cl. 2—160)



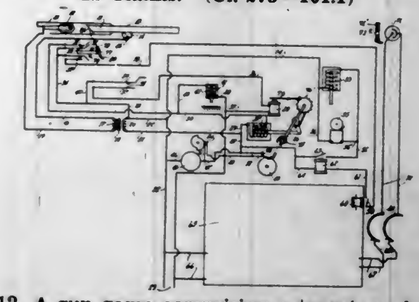
1. In a game accessory, the combination with a hand covering of a weight applied thereto, the weight being concentrated at a location as nearly as possible to the lower or back edge of the hand.

2,187,988
MEANS FOR EXTINGUISHING BURNING MOTION PICTURE FILMS
Joseph J. Sherwood and Frank A. Pentland, St. Louis, Mo.
Application May 29, 1939, Serial No. 276,278
12 Claims. (Cl. 169—2)



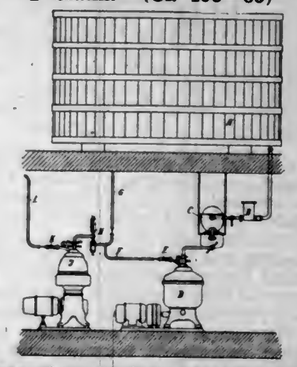
11. A motion picture projecting machine including a supply reel, a film and a strip of non-combustible material wound spirally on said supply reel so that substantially all portions of the surfaces of said film are in contact with said strip of non-combustible material, a motor of the reversing type for actuating said supply reel, means for unwinding said film from said supply reel, a take-off reel adapted to receive said film, a second motor for actuating said unwinding means and said take-off reel, a second strip of non-combustible material which is wound spirally on said take-off reel with said film so that substantially all portions of the surfaces of the film move into contact with said second strip of non-combustible material, means for reversing the first-mentioned motor in the event portions of the film through the light field of the projecting machine are separated by burning of the film whereby a portion of the film moves in the normal direction to be wound spirally on said take-off reel with said second strip of non-combustible material while another portion of the film is rewound spirally on said supply reel with the first-mentioned strip of non-combustible material, and a shield actuated in consonance with said motor-reversing means in response to stoppage of the movement of the film and adapted to move into a position where it protects the film from the direct rays of the projecting light of the projecting machine.

2,187,989
SHOOTING GALLERY
Nathen E. Squire, Chicago, Ill., assignor to Ford Amusement Devices, Inc., Chicago, Ill., a corporation of Illinois
Original application April 17, 1936, Serial No. 74,837. Divided and this application October 9, 1936, Serial No. 104,850. Renewed November 27, 1939
12 Claims. (Cl. 273—101.1)



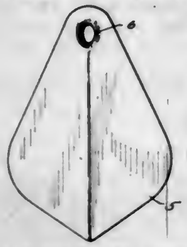
12. A gun game comprising a target, a photo-electric cell operatively associated therewith, a gun arranged and constructed to discharge a flash of light and to be aimed at the target, a trigger arranged for operation to effect emission of said flash of light, indicating means arranged to be controlled by said cell when the same is energized, means normally rendering said indicating means incapable of actuation by the cell when the same is energized, and means controlled by the trigger for rendering said indicating means capable of actuation by the cell when the same is energized during the occurrence of the aforesaid flash of light.

2,187,990
CLARIFYING PROCESS FOR MOLASSES
Peter Steinacker, Oelde, Westphalia, Germany
Application April 14, 1938, Serial No. 201,997
In Germany April 30, 1937
1 Claim. (Cl. 195—85)



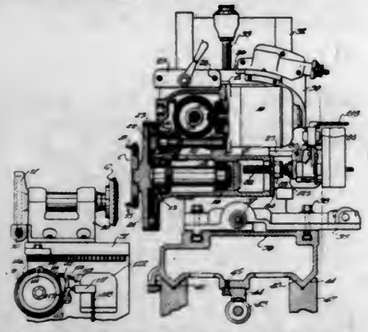
A process of producing pressed yeast, consisting in centrifuging molasses untreated by purifying chemicals, and afterwards subjecting the so clarified molasses to fermentation, the centrifuging action being executed in two stages in the first of which the molasses are initially centrifuged in a highly concentrated state of about 40 to 50° Ball. to eliminate the heavy mud therefrom, whereas in the second stage the molasses are, after dilution with water, centrifuged in a state of low concentration of about 15 to 25° Ball.

2,187,991
SINKER
Clarence H. Tyler, Evansville, Ind.
Application October 29, 1938, Serial No. 237,725
1 Claim. (Cl. 43—52)



A sinker for fishing lines, comprising a substantially pear shaped body portion providing a wide portion near the rear end thereof, the wide portion being substantially thick at the center thereof, the surfaces of the wide portion being beveled to the outer rear and forward edges of the body portion, and the rear edge of the body portion being curved.

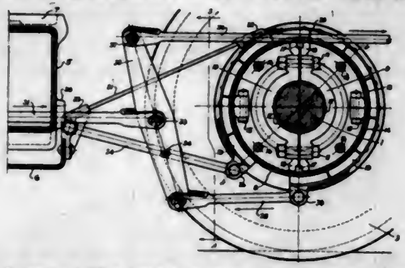
2,187,992
METHOD AND MACHINE FOR GROOVING SHAVING GEARS
Ernest Wildhaber, Irondequoit, and Allan H. Candee and Winfred A. Witham, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application November 25, 1936, Serial No. 112,738
22 Claims. (Cl. 90—15.1)



1. The method of grooving a shaving gear which comprises employing a cutting tool which has a side surface that is provided with a plurality of grooves spaced in the direction of active height of the tool and a serrated side cutting edge formed at the juncture of said side surface and the front face of the tool, engaging said tool with the gear so that it extends into a tooth space of the gear, and moving said tool longitudinally of the tooth space while producing a relative sidewise feed movement between the tool and gear to feed the tool sidewise into one side of the tooth space to cut simultaneously a plurality of grooves therein.

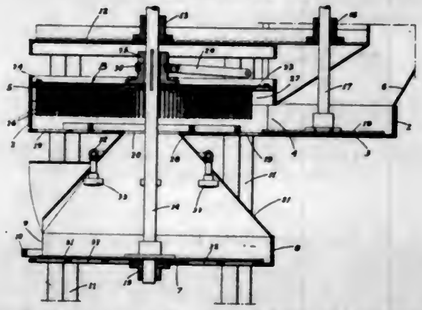
2,187,993
BRAKE RIGGING
Harley E. Anderson, Chicago, Ill.
Application August 17, 1939, Serial No. 290,635
13 Claims. (Cl. 188—58)

1. In combination with a railway truck, a brake rigging including a brake cylinder and push rod, the brake cylinder having a predetermined force at the push rod, brake levers including a live lever and a dead lever mounted on the truck, a brake drum mounted on each axle of the truck, brake bands surrounding the brake drums, means connecting the levers to the brake bands, said brake levers being proportioned so that the total brak-



ing force of the brake drums will equal a given percentage of the light weight of the car, said brake levers each having an additional brake pin hole adapted for mounting a brake beam located in proper position so that the total braking force on the brake beams, if used instead of the brake drums, will equal the same percent braking force of the light weight of the car.

2,187,994
WALNUT HULLER
W Charles Anderson, Linden, Calif.
Application December 10, 1935, Serial No. 53,754
7 Claims. (Cl. 83—37)

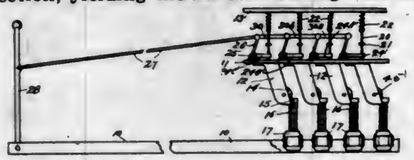


1. A walnut huller comprising a horizontal circular tray having a bottom plate provided with a central nut discharge opening, means to feed nuts to be hulled onto the plate from one side thereof, a rotary brush in the tray comprising a circular driven disc depending into the tray with a clearance fit and bristles mounted on and depending from the disc to a termination clear of the bottom plate to engage and scrub nuts thereon to remove the hulls therefrom, the outermost rows of bristles on the disc extending in the form of circumferentially spaced sections about the periphery of the disc and means to feed nuts through the huller.

2,187,995
DEVICE FOR SETTING AND HOLDING PINS FOR GAMES
Chester O. Beck and Wilfred H. Degge, Fresno, Calif.
Application January 29, 1938, Serial No. 187,697
5 Claims. (Cl. 273—44)

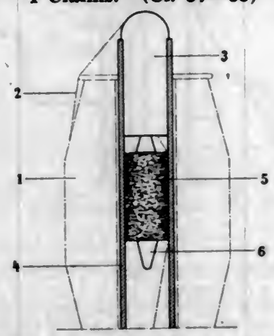
1. In combination with a bowling alley for playing a game, a plurality of bowling pins, a

frame positioned over one end of the bowling alley, a support for each bowling pin attached to and depending from the frame, a lever pivotally attached at the lower end of the support, a flexible link connecting the pivotally attached lever with the bowling pin, and adapted to normally hold the pin in a yieldingly fixed relation with the plate, a lug on the lever, a stop adapted to halt the rotation of the plate when the pin is in an upright position, and a stop adapted to limit the rotation of the plate in the opposite direction, yielding means for holding said lever



in its rotation when against either of said stops, a cable attached to the under edge of the lever and to extend around the periphery of the lever, and adapted on being pulled to rotate the lever, means adapted to pull the cable, consisting of a shaft, an arm extending from said shaft for each pin or pin support in line with said shaft, each of said arms being adapted to cooperate with and move one of said cables, a lever connected with the shaft, a hand lever pivotally mounted adjacent to the alley, and a link connecting the hand lever with the lever on the shaft.

2,187,996
DOUBLE TWIST TWISTING SPINDLE
Otto Bochmann, Remscheid-Lennep, Germany, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany
Application December 12, 1938, Serial No. 245,245
In Germany December 18, 1937
4 Claims. (Cl. 57—58)

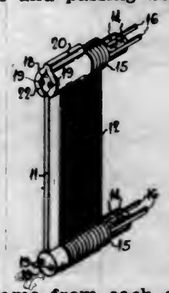


1. A double twist twisting spindle comprising in combination a stationary bobbin holder, a thread brake in this holder, a spindle in the holder under said thread brake and a piece of hairy material wound around said spindle.

2,187,997
LOOM REED
Edgar R. Bond and Clarence A. Hobbs, Greensboro, N. C., assignors to Textile Specialty Company, Greensboro, N. C., a corporation of North Carolina
Original application January 29, 1937, Serial No. 122,896. Divided and this application October 27, 1938, Serial No. 237,282
4 Claims. (Cl. 139—192)

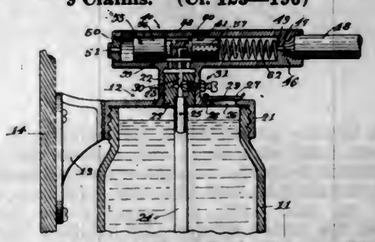
1. A loom reed, comb and the like formed from

splits held in spaced relation to each other by a half-round wooden member on each side of the splits near each end thereof, and having a pitched cord wound spirally around the half-round members and passing between the splits



to space the same from each other, a metallic covering for the half-round members completely encasing the half-round members and the outer ends of the splits, the ends of the metallic covering being crimped inwardly over and against the ends of the half-round members.

2,187,998
UPPER CYLINDER LUBRICATOR
Charles A. Carpenter, Huntington Park, Calif.
Application April 20, 1937, Serial No. 137,936
9 Claims. (Cl. 123—196)

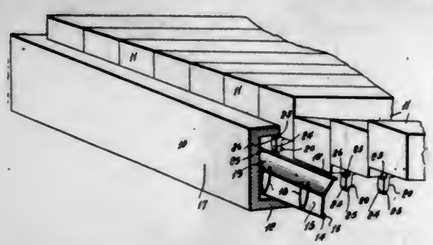


1. In a device as described, the combination of a liquid reservoir, a suction tube extending therein, a combination cylinder and valve housing having a fixed port on one side and a connection from said port to the suction tube, a suction conduit connected to one end of the cylinder remote from said port and adapted for connection to a fuel suction passage of an engine, a piston having a reduced valve plunger connected thereto and mounted in the cylinder, a spring between the piston and the conduit end of the cylinder, a fluid connection from the plunger to the conduit end of the cylinder, the said piston being movable by a suction in the conduit to open and close the said fixed port whereby liquid may be drawn by suction from the vessel to the suction conduit.

2,187,999
ATTACHMENT FOR KEYBOARD TYPE MUSICAL INSTRUMENTS
Joseph A. Dezso, South Bend, Ind.
Application January 6, 1938, Serial No. 183,703
2 Claims. (Cl. 84—441)

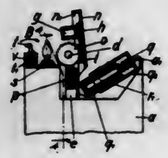
1. An attachment for keyboard musical instruments to sustain tones, comprising a spring actuated plate pivotally mounted in a keyboard frame beneath the keys, said plate having a horizontally disposed flange projecting towards the keys, and hooks adjustably mounted on the keys, said hooks having elongated rounded outer faces terminating in a shoulder for engagement with

said flange to retain the keys depressed, said rounded faces being positioned to engage the



flange to retract the plate for releasing the depressed keys while other keys are being depressed.

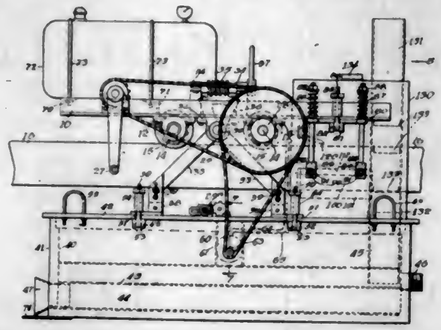
2,188,000
FRICTION WHEEL POCKET LIGHTER
Hermann Drollinger, Pforzheim, Germany
Application June 2, 1937, Serial No. 146,104
In Germany March 30, 1937
3 Claims. (Cl. 67—7.1)



1. A benzine pocket lighter comprising in combination a lighter body, a wick tube in the upper side of said body, two uprights on said body, an axle journalled in said upright, a friction wheel keyed on said axle, a cerium stone bearing against the under side of said friction wheel, a lid fixed on said axle, a blade spring bearing against the inner side of said lid and having one end bent slightly away therefrom, two cheeks on the other end of said spring connecting said spring to said axle and forming with said spring a T-shaped piece, a wick hood on the bent end of said spring adapted to rest on said wick tube before said lid is in its final closing position, two cup-like tubes telescoped the one in the other and forming a container, a forked piece formed on the end of one of said tubes and connecting said container to said lid, the other of said tubes having in its outer end a hole, a hook on the upper side of said body engaging in said hole to oscillatably connect said container to said body and forming an abutment for said container, a spiral wire spring accommodated in said container and pressing said tubes apart to swing said lid into its open position.

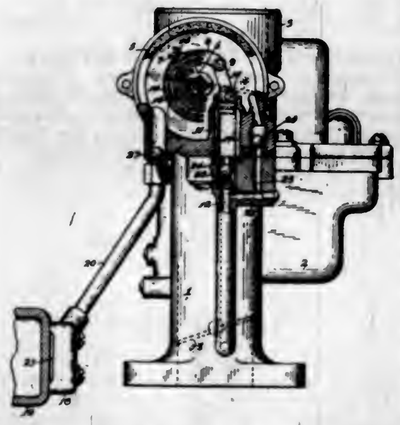
2,188,001
PIPE LINE COATING MACHINE
Alexander J. Duael, Lombard, and Stephen Pavlinek, Cicero, Ill.; said Pavlinek assignor to said Duael
Application October 18, 1937, Serial No. 169,544
12 Claims. (Cl. 91—30)

1. In a coating machine for pipe lines, a frame, traction means adapted to support said frame upon a pipe line and operable to move the frame therealong, coating means on said frame, a tank disposed beneath said frame and pipe line, and means for mounting said tank upon said frame, said means being adjustable to maintain the



tank horizontal when the machine is on an inclined pipe line.

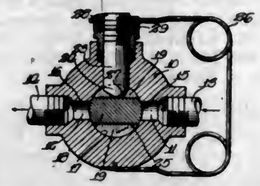
2,188,002
CARBURETOR DEVICE
Henry W. Farr, Royal Oak, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 10, 1938, Serial No. 224,018
6 Claims. (Cl. 123—119)



1. A carburetor choke control including a housing having a connection with a source of heated fluid, a suction passage connecting said housing with a zone of varying pressures, a thermostat in said housing, a pressure responsive device in said passage, and a check valve in said suction connection between said device and said zone arranged to open only when the pressure in said passage is less than that in said housing.

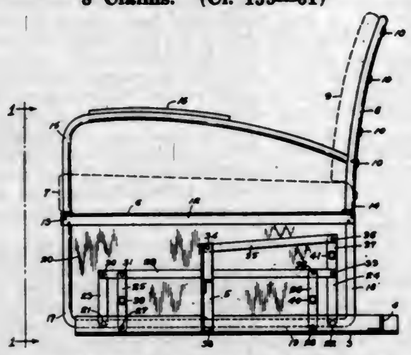
2,188,003
PUMP
Major E. Gates, Crystal Lake, Ill.
Application April 6, 1936, Serial No. 72,945
3 Claims. (Cl. 103—116)

1. A variable delivery liquid pump of the character described comprising in combination a casing having a cylindrical bore provided with inlet and outlet ports, a cylindrical rotary device in said bore having a liquid chamber in its cylindrical surface rotatable in succession past said inlet and outlet ports, a reciprocal plunger carried by said casing between said ports and in registry with the path of said chamber and movable into said chamber and operable only on its outward movement to cause liquid to enter said chamber and only on its inward movement to displace fluid therefrom, the cylindrical surface of said bore surrounding said plunger being unbroken so as to confine the liquid chamber to said rotary device, said plunger being smaller in trans-



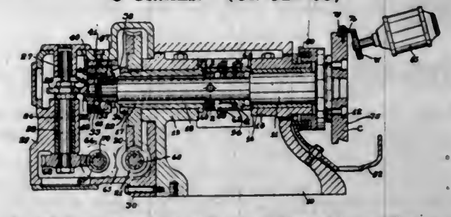
verse section than that of said chamber to provide clearance between the plunger and the sides of said chamber, the surface of the bottom of said chamber and the bottom surface of said plunger being shaped so as not to cam said plunger out of the chamber before the latter has come into communication with the inlet port, and means for moving said plunger into said chamber as the latter comes into communication with said outlet port.

2,188,004
SWING OR GLIDER
Ralph W. Hall, Cincinnati, Ohio, assignor to The Shott Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application November 21, 1938, Serial No. 241,593
8 Claims. (Cl. 155—61)



7. In a device of the class described, the combination of a stationary base and a swingable carrier, said carrier including a lower depending portion disposed substantially at the level of the stationary base, a plurality of upwardly extending compression links pivoted in spaced relationship upon the stationary base, and including upper ends, a plurality of suspension links pivoted in spaced relationship upon the lower depending portion of the carrier, and having ends extending upwardly from said pivots, a longitudinal substantially horizontal link coupler bar and means pivoting the upper ends of the compression links and the suspension links thereto, and a stability control means for the link structure, comprising an upward extension on one of the suspension links, and means on the stationary base for precluding any substantial lateral shifting of the upper end of the suspension link extension while guiding said upper end in a substantially vertical plane of movement.

2,188,005
METHOD OF AND APPARATUS FOR RELIEVING GEAR CUTTERS
Magnus H. Johanson, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 15, 1937, Serial No. 142,819
8 Claims. (Cl. 51—95)



1. The method of relieving the side surfaces of blades of a face-mill gear cutter which comprises mounting the blades in a rotary head so that they are arranged circularly about the axis of the head and the side surfaces to be relieved are inclined to the axis of the head, mounting a grinding wheel in operative relation with the side surfaces to be relieved and effecting a relative movement between the cutter and wheel axially of the head as the side surface of each blade to be ground passes over the wheel and producing a relative displacement between wheel and head axially of the head between the grinding of the side surfaces of different blades so that the side surfaces of different blades are ground with the head in relatively different axial positions.

2,188,006
HOSE COUPLING
Morris Katcher, New York, N. Y.
Application March 29, 1937, Serial No. 133,513
1 Claim. (Cl. 285—86)



A coupling member adapted to be attached to the end of a hose, comprising a body, a nipple extending rearwardly from the body for insertion into the hose, a sleeve fitting on the hose suitable for screwing up from the rear upon the body, a split spring bushing placed over the hose and inside the sleeve, and a split wire ring placed on the hose inside the bushing, said sleeve and bushing having tapered mating portions reducing the bushing in diameter for clamping the hose on the nipple and for forcing the ring into the hose, when said nipple is screwed up, said bushing being of sufficient length to clamp a substantial length of hose to the nipple beyond said ring.

2,188,007
INORGANIC AEROGEL COMPOSITIONS
Samuel S. Kistler, Worcester, Mass.
No Drawing. Application July 3, 1937, Serial No. 151,969
5 Claims. (Cl. 252—6)

1. A porous, substantially liquid-free gel having the cavities thereof filled with a gas, the volume of a unit of the gel being substantially that of the same unit when it is initially formed and still has the cavities thereof filled with liquid prior to drying, the gel being characterized by the

fact that when it is re-wet with a liquid, and that liquid is evaporated at pressures substantially below the critical pressure, that material volume shrinkage of the gel structure occurs and further characterized in that the solid phase is a gel of a metal composition, the metal of which is selected from the group consisting of aluminum, chromium, nickel, iron, zinc, magnesium, cobalt, cadmium, barium, manganese, vanadium and copper.

2,188,008
PROCESS OF CONCENTRATING VITAMINS FROM FISH PRESS WATER

Sven H. Lassen, Los Angeles, Calif., assignor to Philip R. Park, Inc., Outer Harbor, San Pedro, Calif., a corporation of California

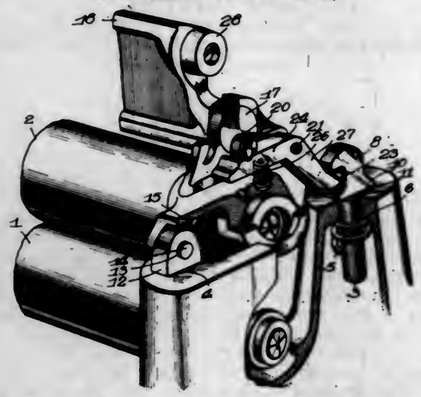
No Drawing. Application March 8, 1937, Serial No. 129,648
22 Claims. (Cl. 167—81)

1. A process of concentrating the vitamin content of fish press-water, which includes the steps of: precipitating the coagulable protein matter from the press-water by means of an alum to inhibit enzymolysis in the press-water, whereby the proteolytic enzymes are thrown down with the precipitate; filtering the supernatant liquid, the filtrate being substantially free from coagulable protein matter and enzymes and containing substantially all of the vitamin content of the original press-water, and recovering the vitamin content of said liquid.

2,188,009
SAFETY RELEASE FOR WRINGERS

John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application December 20, 1934, Serial No. 758,409
13 Claims. (Cl. 68—263)

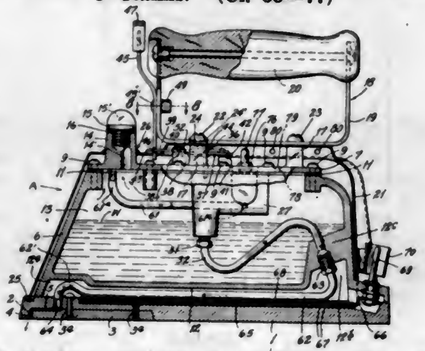


1. In a wringer a main frame having a lower roll and roll pressure means, an upper frame carrying an upper roll, said upper frame being pivotally connected to the main frame and capable of being swung upwardly to separate the rolls, the pressure means on the main frame having a hook portion at each end of the main frame, a lever at each end of the upper frame and pivoted thereto, each lever having a projection to move under one of said hook portions or be moved free therefrom, and a swinging operating member fulcrumed in the respective ends of the upper frame, said operating member having at each end an eccentrically positioned projection movable against that portion of the adjacent lever that is on the opposite side of the pivot from the hook to move the lever projection under the hook portion to lift the same and apply pressure between the rolls, the operating member when swung in one direction from its mid-position moving the eccentrically positioned projection away from pressure-applying position to free the projection from the hook and relieve the pressure between the rolls, and when swung in the other direction accomplishing the same result.

2,188,010
STEAM-DISCHARGING PRESSING IRON

Fred A. Miller, St. Johns, Mo., assignor to Roland M. Klemme, St. Louis, Mo.

Application May 14, 1937, Serial No. 142,532
5 Claims. (Cl. 38—77)



3. A steaming pressing iron including a base having a pressing face, a water reservoir within said iron adapted to receive a body of water, electrical heating means for producing steam from the body of water within said reservoir, and means for conducting steam produced within said reservoir to said base, said base being provided with a triangular recess formed therein, and a triangular plate disposed in said recess, certain of the faces of said plate being spaced from corresponding faces of said recess to provide a substantially V-shaped steam discharge opening at the pressing face of said base and a triangular-shaped space that communicates with said V-shaped steam discharge opening, and said steam-conducting means being in communication with said space and said V-shaped steam discharge opening.

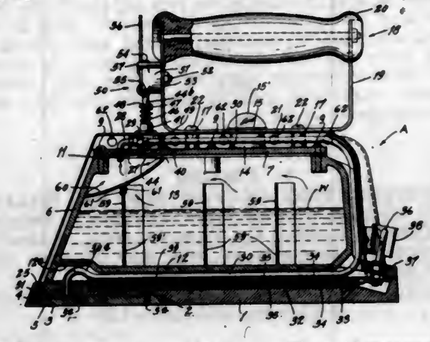
5. A steaming iron including a base portion having a pressing face, a main body portion providing a boiler within said iron adapted to receive a body of water, said boiler being disposed directly above said base portion, heating means for producing steam from the body of water within said boiler, a conductor for conducting steam produced within said boiler to a steam discharge opening in said base portion, an imperforate and substantially straight portion of said conductor being disposed in a channel formed in the lower portion of said body portion and open at the bottom thereof and said imperforate portion of said conductor being directly exposed to said heating means whereby steam passing through said imperforate conductor portion is superheated and is discharged directly from said imperforate conductor portion through the steam discharge opening in the base portion of the iron.

2,188,011
STEAMING PRESSING IRON

Fred A. Miller, St. Johns, Mo., assignor to Roland M. Klemme, St. Louis, Mo.

Application July 22, 1937, Serial No. 154,948
2 Claims. (Cl. 38—77)

2. A steaming and pressing iron including a base having a steam-discharging aperture, a hollow body portion providing a reservoir adapted to receive a body of water, a shell embracing a portion of said body portion in spaced relation with respect thereto, heating means for producing steam from said body of water within said reservoir, a steam-conducting pipe for conducting steam from said reservoir to the steam-discharging aperture of said base, said steam-conducting

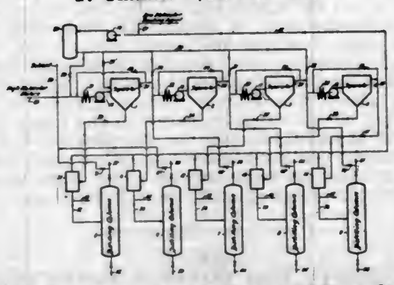


pipe being in communication with said reservoir and being interposed throughout a portion of its length between said body portion and said shell, a steam by-pass leading from said reservoir to the space between the top of said body portion and the top wall of said shell, and valve means for controlling passage of steam through said steam by-pass, said shell being apertured to provide for escape of steam from the space between the top of said body portion and the top wall of said shell.

2,188,012
METHOD OF SEPARATING HIGH MOLECULAR MIXTURES

Stanislaw Pilat and Marian Godlewicz, Lwow, Poland, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 4, 1936, Serial No. 62,294
In Poland February 6, 1933
17 Claims. (Cl. 196—13)



1. A process for separating a high molecular mixture into portions having different properties, comprising the steps of subjecting said mixture in the normal liquid state to the precipitating action of a quantity of a low molecular treating agent which is incapable of reacting chemically with the high molecular mixture under the conditions of the treatment, under para-critical temperature and pressure conditions for the said treating agent, said quantity being sufficient to cause the formation of at least two non-gaseous phases containing different portions of the mixture separating said phases, and distilling at least a portion of one of said separated phases to separate it into at least two distillation products of different volatilities containing substances of said high molecular mixture.

2,188,013
METHOD OF SEPARATING HIGH MOLECULAR MIXTURES

Stanislaw Pilat and Marian Godlewicz, Lwow, Poland, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

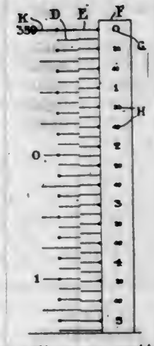
No Drawing. Application April 27, 1936, Serial No. 76,604. Renewed May 1, 1939. In Poland February 6, 1933
20 Claims. (Cl. 196—13)

1. In a process of separating a liquid high molecular mixture into fractions having different properties, the steps of contacting the liquid mixture with a quantity of a gaseous precipitating agent containing a substantial concentration of carbon dioxide under superatmospheric pressure which is below the condensation pressure of said precipitating agent at the temperature of treatment, said quantity being sufficient to cause the formation of two liquid phases having different specific gravities, and separating the said liquid phases from one another.

2,188,014
VERNIER MICROSCOPE

Knowlton H. Rich, Cropseyville, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y., a corporation of New York

Application August 8, 1939, Serial No. 289,064
3 Claims. (Cl. 88—2.6)



1. Means for reading an optical vernier of the type in which two differentially magnified images of the same line-graduated scale appear to move in reverse directions and afford two alternating series of vernier coincidences within the same lineal range, one of which series is to be read, comprising a primary index readable against one image; and visible differentiating means applied to alternate line graduations on said scale for distinguishing the two series of vernier coincidences.

2,188,015
PROCESS FOR THE REFINING OF LIGNITE TAR, SHALE TAR, PEAT TAR, AND THE LIKE

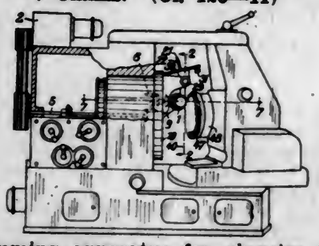
Friedrich Schick, Berlin-Schoneberg, Germany, assignor to the firm Deutsche Erdol-Aktiengesellschaft, Berlin-Schoneberg, Germany

No Drawing. Application August 4, 1936, Serial No. 94,291. In Germany August 8, 1935
7 Claims. (Cl. 196—13)

1. Process for obtaining valuable products from

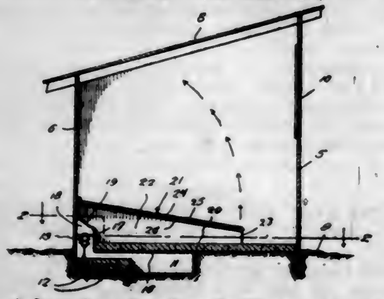
paraffin containing tar from solid carbonaceous material which comprises topping said tar to remove constituents boiling below about 260° C., subjecting the residue from said topping to treatment with a selective solvent which forms an extract portion containing in solution tarry components of the said residue and a raffinate portion which contains paraffin, the said treatment being conducted at a temperature above 50° C., but below the temperature at which the selective solvent becomes completely miscible with the said residue, and separating the extract portion and the raffinate portion produced by said treatment.

2,188,016
TOOL DRESSING APPARATUS FOR BEVEL GEAR GENERATING MACHINES
Heinrich Schicht, Huckeswagen, Germany, assignor to the firm: W. Ferd. Klingelnberg Söhne, Remscheid-Berghausen, Germany
Application February 23, 1937, Serial No. 127,218
In Germany February 25, 1936
7 Claims. (Cl. 125—11)



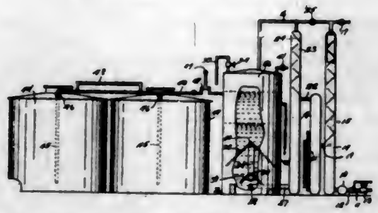
1. Trimming apparatus for abrasive hobs of the conical type employed in generating bevel gears by a rolling generating movement, comprising a frame; a movable grinding hob mounted thereon; a spindle mounted on said frame; a casing mounted for reciprocatory movement on said spindle; a trimming tool mounted on said casing to oscillate about the axis of said spindle; means for actuating said spindle to cause said tool to move back and forth across the flanks of the thread of said hob in a direction oblique to its direction of rotation; and means for swinging said tool into and out of engagement with the cutting flanks of said hob.

2,188,017
BROODER
John E. Schlottmann, Kenedy, Tex.
Application June 24, 1938, Serial No. 215,679
2 Claims. (Cl. 119—34)



1. A brooder structure built upon the ground with a recess in the ground along one vertical wall of said brooder structure, a horizontal cover for the major portion of the top of said recess flush with the ground surface and terminating adjacent but spaced from said vertical wall of the brooder structure to afford an air flue for passage of heated air from said recess into the portion of the brooder structure above said cover, a layer of sand on the ground and on said cover, a hot water heating coil located in said recess for heating air in the latter for passage through said flue to the interior of the brooder above said cover, a wall disposed above said cover in spaced relation to and adjacent the latter and extending from said vertical wall in an inclined position, said last-named wall having a top layer of heat insulating material to afford a runway thereon and hover chamber thereunder, said flue opening directly into one end of said hover chamber.

2,188,018
DEHYDRATION SYSTEM FOR OIL WELLS
Ray Stewart, Duncan, Okla., assignor to Duncan Tank & Welding Co., Duncan, Okla., a copartnership composed of said Ray Stewart and Gene Clelland
Application February 24, 1938, Serial No. 192,384
4 Claims. (Cl. 183—2.7)

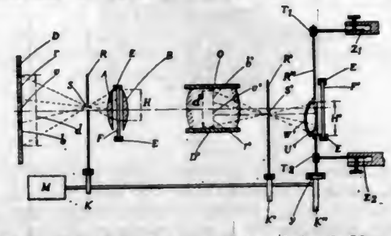


1. A dehydration system for petroleum emulsions, including in combination a vertically elongated chamber provided with baffles in its upper portion and into the lower end of which the emulsion flows, an upwardly inclined elongated chamber into the lower part of which the emulsion flows from the first-named chamber, the inclined chamber having means for carrying off water from its lower end and having baffles in its upper portion; a second vertically elongated chamber having baffles in its upper portion and with which the upper end of the inclined chamber communicates; a separating tank with the lower end of which the lower end of the said second chamber communicates; means for heating the emulsion within the tank; baffles disposed above the heating means; means for siphoning off the water collected in the lower portion of the tank; means for carrying off the oil collected in the tank above the water; and a gas pipe connection between the upper ends of the vertical chambers and the top of the tank.

2,188,019
APPARATUS FOR COPYING LENTICULAR FILMS BY PROJECTION
Anne Henri Jacques de Lassus St. Genies, Versailles, France
Application November 1, 1937, Serial No. 172,290
In France November 5, 1936
5 Claims. (Cl. 88—24)

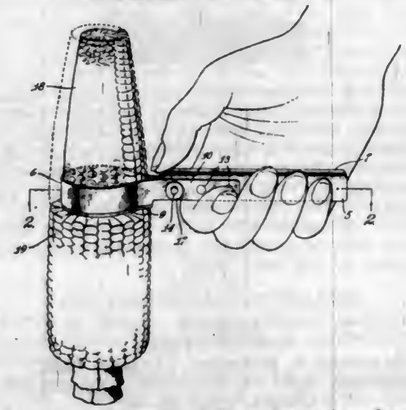
1. In apparatus for copying a photograph comprising a plurality of partial images on a lenticular original film onto a lenticular copy film having lenticulations non-parallel to those of said original film, including movable screens having slots adapted to illuminate relatively narrow homologous parts of the two films and fixed diaphragms associated with the light source and

copying optical systems, said diaphragms having elongated apertures so arranged as to reproduce the elementary images on the copy film in the form of spots; means for spreading out the elementary images recorded on the copy film consisting of an additional optical system comprising a plurality of cylindrical divergent lenses, one



for each partial image on the original film, said lenses being arranged edge to edge with the generatrices parallel to the lenticulations of the original film, each of said lenses causing divergence of the rays emanating from one partial image of the original film, and means for moving said additional optical systems homothetically with said movable screens.

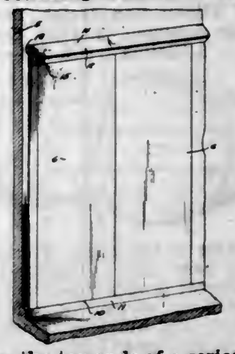
2,188,020
CORN CUTTER
Coyle H. Tewell, Robertsdale, Pa.
Application October 24, 1938, Serial No. 236,735
2 Claims. (Cl. 30—316)



1. An implement of the character described comprising a handle, a substantially cylindrical shaped member attached to said handle, said member having a cutting surface on one edge thereof, the forward end of said handle being tapered on opposite sides thereof for permitting adjusting of the loop area of said member, and means for attaching said cylindrical-shaped member to said handle to permit the adjustment of the loop area.

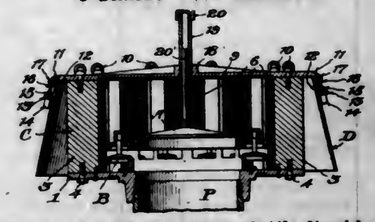
2,188,021
WALL FACING
Augustus F. Thompson, Huntington, W. Va., assignor of one-half to A. F. Thompson Mfg. Co., Inc., Huntington, W. Va.
Application April 14, 1939, Serial No. 267,882
4 Claims. (Cl. 189—85)

1. A metallic facing for walls embodying a series of panels, a series of holding cleats secured to the base wall, said panels and cleats provided with means for locking their edges together, and a retaining member for said panels



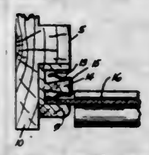
extending across the top ends of a series of panels and held in position by the top ends of said cleats.

2,188,022
SAFETY DEVICE FOR VOLATILE LIQUID STORAGE TANKS
John J. Tokheim, Cedar Rapids, Iowa
Original application January 25, 1937, Serial No. 122,278. Divided and this application November 15, 1937, Serial No. 174,726
3 Claims. (Cl. 220—89)



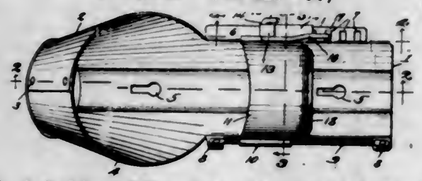
1. In a safety device for volatile liquid storage tanks, a flame arrester, a cover for the flame arrester, a weather shield in the form of a frustoconical member having its upper edge normally engaged with the cover, a plurality of fusible members carried by the cover, and spring means carried by the weather shield and engaging said members to connect the weather shield to the cover under tension.

2,188,023
WEATHER STRIP
Carl L. Tomsche, Burbank, Calif.
Application May 23, 1938, Serial No. 209,587
2 Claims. (Cl. 20—52)



1. The combination with a window frame having opposed guides, each guide being formed with two parallel grooves having their adjacent faces extending at an angle and forming a dovetail partition between the grooves, a resilient strip having a dovetail shaped grooved fitting the dovetail partition and having outwardly extending sides, and panes of glass sliding in said parallel grooves between the straight walls thereof and said outwardly extending sides.

2,188,024
FOWL HOLDER
Samuel Tildon Van Meter, Eldorado, Kans.
Application January 23, 1939, Serial No. 252,475
3 Claims. (Cl. 119—97)



1. A holder of the class described including a channelled base plate, a frusto-conical band at one end thereof proportioned to receive the neck and upper body portion of a fowl, a clamping plate slidably and hingedly mounted on the base plate and proportioned to bridge the legs of a held fowl, means for holding the plate against swinging during the sliding movement thereof and while bridging a fowl, and means for securing the clamping plate against sliding movement away from the band.

2,188,025
CORROSIVE RESISTANT CHAIN AND DRIVE
Charles R. Weiss, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application March 28, 1938, Serial No. 198,550
4 Claims. (Cl. 198—203)



1. A chain assembly comprising a chain having the exposed surfaces of its links covered with a corrosive resistant envelope, and sprockets for training the chain having toothed chain engaging rings formed of molded rubber, or the like, whereby the assembly may be operated over prolonged periods of use in the presence of corrosive agents without being attacked thereby.

2,188,026
CLIP
William R. Wiley, Detroit, Mich.
Original application November 2, 1935, Serial No. 47,999. Divided and this application November 2, 1938, Serial No. 238,327
5 Claims. (Cl. 24—73)



1. An attaching clip formed of resilient metal material comprising a generally U-shaped sheet metal member, anchoring means formed on one end thereof, said member having legs integral with the base of the U, wing portions attached to both edges of said legs and lying in planes at an angle to the planes of the legs to which they are attached, and the edges of said portions first diverging from the end adjacent said anchoring means and then converging toward the other end to form cam edges.

2,188,027
SAW HANDLE AND MEASURING DEVICE
James N. Alexander, Birmingham, Ala.
Application January 7, 1935, Serial No. 774
Renewed September 17, 1937
3 Claims. (Cl. 33—138)



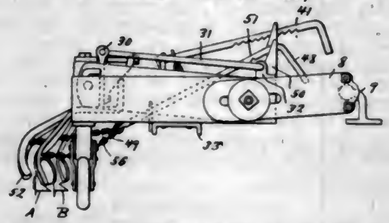
3. A saw handle having a grip portion, a saw blade, means for attaching the saw blade to the saw handle, there being a recess within said grip portion, a casing for a tape measure fitting in the recess, a tape measure in the casing, a lid adapted to hold the casing in place, hinging means pivotally joining the lid to said grip portion on the side of said lid nearest the blade, said lid having an inclined aperture allowing the end of the tape measure to protrude, said aperture being inclined upward and away from the saw blade.

2,188,028
HAIR CURLER
Raymond L. Andrea and Mary E. Andrea, Roslindale, Mass.
Application August 1, 1939, Serial No. 287,818
2 Claims. (Cl. 132—41)



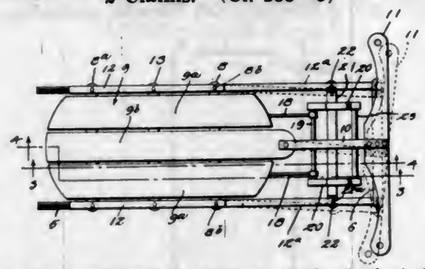
1. A hair curling device comprising a reticulated cylindrical body open at opposite ends, a spring clip mounted exteriorly on said body for clamping strands of hair thereto, an elastic band for passage through one open end of the body and having one end fixed interiorly of said body adjacent to the other open end thereof and a hook for engaging the body when in saddling position thereto exteriorly of the same and held tensioned by the said band.

2,188,029
CULTIVATOR
Raymond S. Bateman, Lindsay, Calif.
Application April 14, 1939, Serial No. 267,880
5 Claims. (Cl. 97—47)



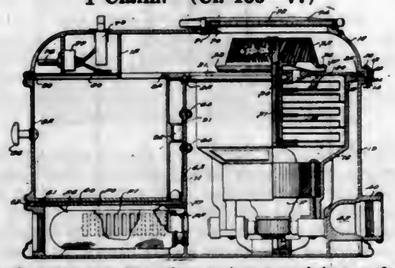
1. A cultivator comprising a main frame, means for pivotally mounting said frame on a tractor, ground wheels for said frame and capable of swinging in either direction on said frame, an inner frame journaled on the main frame, an implement carrying member journaled on the second frame, connecting means between said implement carrying member and the main frame to maintain the implement carrying member in a selected position during pivotal movement of the inner frame, cultivating implements carried by said implement carrying member, and a control device connected to said inner frame for bringing about pivotal movement thereof.

2,188,030
SLED BRAKE
Joseph Berthiaume, Lawrence, Mass.
Application August 29, 1938, Serial No. 227,433
2 Claims. (Cl. 188—8)



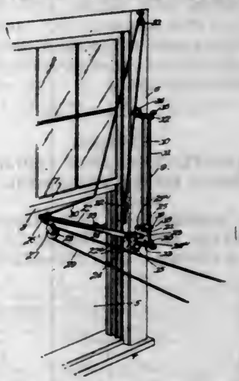
1. In combination with a sled of that type equipped with a pair of spaced runners having upwardly extending front ends, a centerboard including side rails supported by and above said runners, a transverse member carried by said centerboard and remotely located with respect to said front ends, a pair of braces having rear ends pivotally connected to said rails and front ends pivotally connected to the front ends of said runners respectively; and a brake for said sled comprising a brake plate hinged to said transverse member, braking members fixed to said plate and having ends extending beyond said plate for engagement with the ground surface, a shaft having its ends pivotally connected to said braces for lateral movement therewith, a manually operated yoke slidably and pivotally mounted on said shaft, and brake rods pivotally connecting said plate to said yoke for moving said plate into braking position to effect engagement of the ends of said braking members with the ground surface upon actuation of said yoke.

2,188,031
CENTRIFUGAL SEPARATOR
Clarence A. Brock, Detroit, Mich., assignor to Rexair, Inc., Detroit, Mich., a corporation of Delaware
Original application December 18, 1935, Serial No. 54,966. Divided and this application July 6, 1937, Serial No. 152,070
1 Claim. (Cl. 183—77)



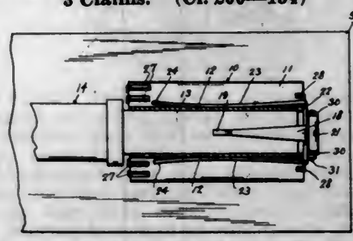
A dust separator element comprising a hollow sheet metal member of generally frustoconical shape having a plurality of slots in its peripheral surface, the material between said slots being preformed to outwardly rounded bars, the leading edges of said bars extending inwardly further than the trailing edges thereof.

2,188,032
LINE SUPPORTING DEVICE AND INSTALLATION
George Henry Burton, Arlington, N. J.
Application November 14, 1938, Serial No. 240,424
2 Claims. (Cl. 211—119.06)



1. A device of the class described comprising guide means securable in vertically extending relation to a building structure laterally of a side opening of the latter, a member slidable on said guide means and pivotal on a vertical axis, an arm pivoted at one end to said member for swinging movement between horizontal and upright positions, abutment means on said member cooperating with said arm to prevent swing of the latter downwardly beyond horizontally extending position, supporting means for one end of an endless line at the other end of said arm, said arm being swingable horizontally through said opening to project interiorly of the building structure when the arm is in horizontal position and said member is at the lower end of said guide means, means for releasibly securing said arm in such interiorly projecting position, and means operable when the arm is released and swung outwardly of the opening to swing the arm to upright position and to elevate it and said member relative to said guide means.

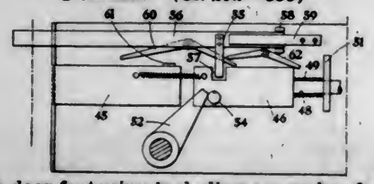
2,188,033
CLAMP ATTACHMENT FOR FUSE ANCHORING CLIPS
James B. Cooper, Clarkdale, Ga., assignor of thirty per cent to Gabriel J. Asensio, Clarkdale, Ga.
Application August 1, 1938, Serial No. 222,568
3 Claims. (Cl. 200—134)



1. A fuse anchoring and clamping assembly of the class described comprising a clip unit adapted to be secured to a relatively fixed base and including a U-shaped member defining a pair of parallel duplicate resilient jaw forming flanges, an adapter unit mounted in the basal portion of the clip unit, one end of the adapter unit projecting beyond the corresponding end of

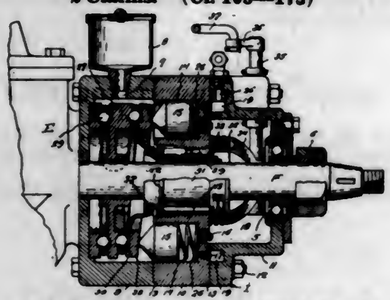
the clip unit and said projecting end being provided with a hinge pin, a vertical arm hingedly attached to said pin and swingable toward and from the adjacent end portion of the clip unit, said arm rising to a point above the upper edges of the flanges and having a laterally directed portion overlying said flanges and terminating in an eye to accommodate a tool, said arm being provided with a pair of parallel resilient clamping fingers fashioned to cooperate with the jaw flanges of said clip unit.

2,188,034
FASTENING FOR DOORS
John Henry Darby, Hillmorton, Rugby, England
Application September 6, 1938, Serial No. 228,557
In Great Britain March 13, 1937
4 Claims. (Cl. 292—335)



1. A door fastening including a member formed in two parts disposed in axial alignment, one of which parts is adapted to operate as a safety bolt to engage the striking plate mounted on the door frame, and the other part being adapted when the door is opened to be held retracted against spring pressure by means of trip mechanism and to be released by said mechanism engaging the striking plate when the door is in the fully closed position to ram the first part home.

2,188,035
HYDRAULIC PUMP
John Dauster, Wilkinsburg, Pa.
Application December 11, 1937, Serial No. 179,358
2 Claims. (Cl. 103—173)



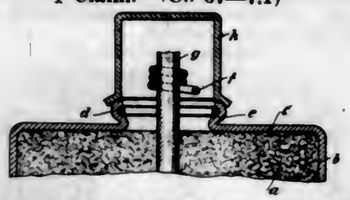
1. In a hydraulic pump, a driven shaft, a liquid containing housing having a portion forming a low pressure liquid reservoir and provided with an annular high pressure liquid chamber, pistons reciprocable parallel with said shaft for drawing liquid from said reservoir and forcing the same under pressure into said high pressure chamber, means for driving said pistons from said shaft, spring-operated means including a valve and operating members movable parallel with said shaft for relieving the liquid under pressure from the high pressure chamber into said reservoir and simultaneously disconnecting said driving means for rendering said pistons inoperative, manually operable means for simultaneously rendering said driving means operative and cutting off the flow of liquid under pressure from said high pressure chamber into said reservoir, and means to conduct the liquid under pressure from said high pressure chamber to an extraneous fluid-pressure operated device.

2,188,036
CLEVIS
Herbert B. Denser, North Freedom, Wis.
Application January 18, 1939, Serial No. 251,639
1 Claim. (Cl. 294—85)



A clevis adapted to be removably mounted on a rafter, said clevis including a vertical rod, an integral arm extending horizontally from the upper end of said rod and engageable over the rafter, said arm including a portion extending downwardly at an abrupt angle and terminating in a horizontal extension, the downwardly extending portion being engageable with the side of the rafter, an eye on the other end of the rod, another rod comprising an eye on one end adapted to be slipped on the extension, an arm on the other end of the second named rod engageable in the first named eye, and means on the free end portion of the second named arm for anchoring same in the first named eye.

2,188,037
PYROPHORIC LIGHTER
Arthur Dubsky, Vienna, Austria
Application June 23, 1937, Serial No. 149,955
In Austria July 3, 1936
1 Claim. (Cl. 67—7.1)



In a pyrophoric lighter, a fuel container having only a single aperture in the top wall thereof, a neck surrounding the said aperture and projecting above the top wall of said container and provided with an annular groove on its inner surface, a wick of relatively small diameter with respect to the aperture positioned within the said container and extending through the said aperture and neck and projecting beyond the container, and a helical spring having convolutions larger at one end than at the other and having its largest convolution seated in the groove in the neck and its smallest convolution embracing

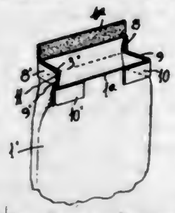
the said wick for the purpose of holding said wick concentrically of said aperture and neck, and allowing the filling of the container with fuel without lifting the element or wick.

2,188,038
VERNIER MICROSCOPE
Willard L. Egy, Troy, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y., a corporation of New York
Application August 8, 1939, Serial No. 289,072
4 Claims. (Cl. 88—2.6)



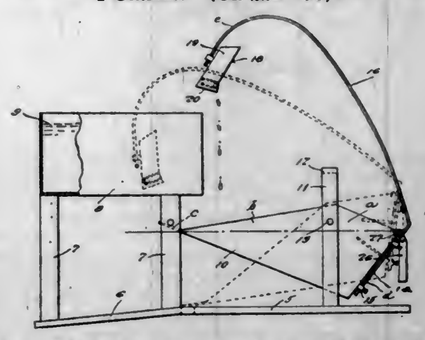
1. Means for reading an optical vernier of the type in which two differentially magnified images of the same line graduated scale appear to move in opposite directions and afford two alternating series of vernier coincidences within the same linear range, comprising screening means associated with said images and coextensive in length with said range, exposing one image and at least the line graduations of the other image; a primary index coacting with the first image; visual means for dividing the screen into two readily distinguishable halves; and a visual indicator coacting with a line graduation of one of said images, and having an extent corresponding with the range of movement of said image as the vernier coincidences pass through said linear range, said indicator being bi-sected and serving to designate the half of said screen in which the vernier coincidence should be read.

2,188,039
MEANS FOR SEALING BAGS
John A. Farmer, Lancaster, Pa., assignor to A. H. Hoffman, Inc., Landisville, Pa., a corporation of Pennsylvania
Application June 17, 1938, Serial No. 214,362
15 Claims. (Cl. 229—62)



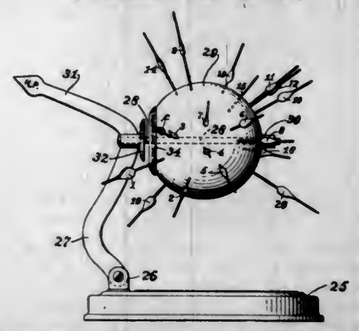
1. As an article of manufacture, a re-inforcing and sealing device for bags comprising a tab of sheet material including a body portion foldable along a longitudinal median line, and a series of connected panels of less width than said body portion extending integrally from at least one end thereof and foldable relative to said body portion and to each other.

2,188,040
AUTOMATIC LIQUID PROPORTIONER
Robert L. Furby, Oswego, Oreg.
Application April 8, 1939, Serial No. 266,922
4 Claims. (Cl. 221—96)



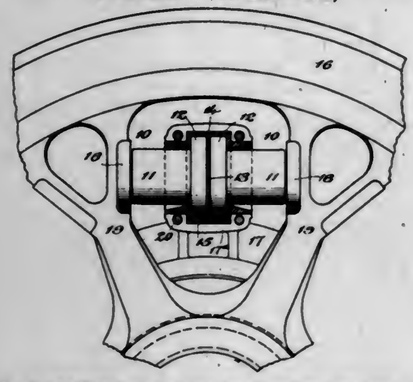
1. A substance proportioner comprising a tank for containing a substance, a rockable dump receptacle mounted adjacent the tank and adapted to be overbalanced under the weight of a predetermined load, an elongated arm extending from the dump receptacle and having a receptacle on the free end thereof adapted to dip into the tank when the dump receptacle is in discharging position and to overlie the dump receptacle and discharge its contents when the dump receptacle is in charging position.

2,188,041
ASTRONOMICAL DEVICE
George Brewster Gallup, Bradenton, Fla., assignor of one-half to Ellen S. Lang, Rome, N. Y.
Application May 13, 1939, Serial No. 273,531
6 Claims. (Cl. 35—47)



1. A device of the class described comprising a body mounted for rotation on a generally horizontally extending orientable axis, month and hour indicating means in accordance with which said body is adjustable about its axis, and pointers carried by said body arranged at proper angles to indicate respectively the relative positions of predetermined celestial bodies when said axis is in a certain disposition with reference to a certain other celestial body and said rotatable body is adjusted about said axis to accord with the month and hour.

2,188,042
RESILIENT DRIVE UNIT FOR LOCOMOTIVES
Norman E. Gee, Elkins Park, Pa.
Application April 7, 1938, Serial No. 200,715
6 Claims. (Cl. 105—131)



1. A resilient drive for locomotive wheels, comprising, a molded resilient body including a substantially cylindrical column and a flanged circular base of greater diameter than the column, a housing carried by a motor driven part and having a portion for snugly receiving said flanged base and also having an outwardly flaring mouth portion surrounding the column to support the same under varying degrees of expansion, and a drive plate fitted in the housing at the bottom of said base.

2,188,043
GAME DEVICE
James M. Harrison, Linton, Ga.
Application December 1, 1938, Serial No. 243,444
2 Claims. (Cl. 273—1)



1. A game device comprising a hollow receptacle, open at its top and bottom, a base having a pedestal of frusto-conical form over which the bottom of the receptacle is adapted for removable positioning and blocks of predetermined form adapted to be placed in the receptacle for resting on the pedestal.

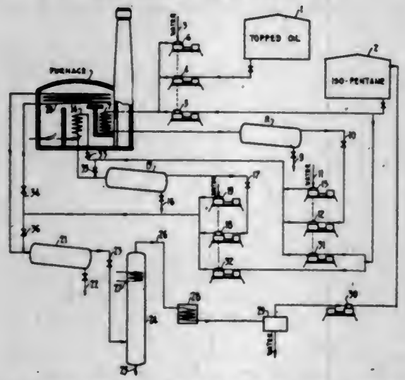
2,188,044
EGG TRAY
Raymond Nelson Hickman, New York, N. Y.
Application August 13, 1936, Serial No. 95,779
4 Claims. (Cl. 211—143)

1. In a refrigerator, in combination, a horizontal food shelf and an egg tray, the front of said egg tray being longer vertically than the rear part to provide a bottom sloping toward the front to cause the eggs to roll or slide therealong, said front having a bottom flange extending upwardly a sufficient height to prevent the eggs from rolling out and having an opening above said flange



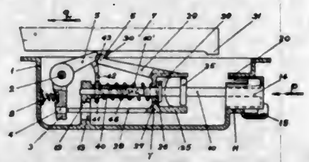
adapted to permit passage of a hand, a cover for said egg tray, means securing said cover to the bottom of said shelf and means slidably mounting said tray on said cover whereby said tray may be slidably removed from said cover without removing the cover from said shelf.

2,188,045
METHOD OF SEPARATING HIGH MOLECULAR MIXTURES
Erle Stanley Hillman, Berkeley, and Vernon Lantz, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 8, 1937, Serial No. 124,782
12 Claims. (Cl. 196—13)



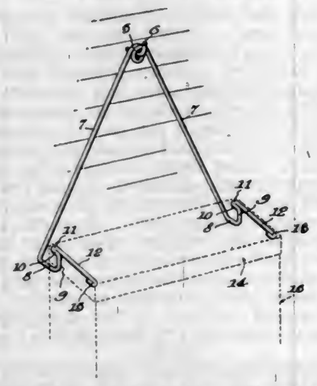
1. A process for separating a high molecular weight, substantially water-immiscible mixture into portions having different properties, comprising the steps of subjecting said mixture to the precipitating action of a single treating agent which is substantially immiscible with water at ordinary temperature, has a low molecular weight and possesses a critical temperature below 350° C. under paracritical condition for said agent, said agent containing dissolved from .1 to 10% liquid water, the amount of said agent being sufficient to cause the formation of at least two non-gaseous phases containing different portions of said mixture.

2,188,046
FIRING MECHANISM FOR AUTOMATIC FIREARMS
Václav Holek, Zabovresky, Brunn, Czechoslovakia, assignor to Ceskoslovenska Zbrojovka, A. S., Brno, Brunn, Czechoslovakia, a company of Czechoslovakia
Application September 7, 1937, Serial No. 162,735
In Czechoslovakia September 24, 1936
8 Claims. (Cl. 89—27)



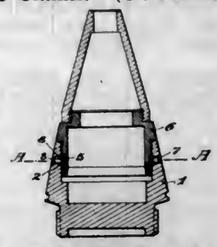
1. A trigger mechanism for automatic firearms having a reciprocating breech block, comprising a slidable trigger rod, a sear cooperating with said trigger rod, an interrupter pivotally mounted on said trigger rod cooperating with said sear and said breech block, means for rotating said trigger rod and cooperating means on said trigger rod and said interrupter to cause a pivoting of said interrupter upon a rotation of said trigger rod in order to set said trigger mechanism for continuous or single fire.

2,188,047
BAG HOLDER
Minor S. Jones, Knapp, Wis.
Application April 14, 1939, Serial No. 267,927
3 Claims. (Cl. 248—99)



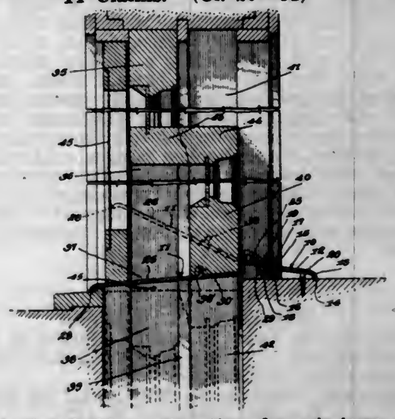
3. A bag holding device comprising a rod bent centrally between its ends to form a coil to surround a supporting hook or the like, the two end portions of the rod being extended downwardly in spaced relation to provide two spring arms, the rod portion at the lower end of each of said arms being bent to provide a short forward projection, then bent to provide a short upward projection at the front end of said forward projection, being then bent to provide a short rearward projection at the upper end of said upward projection, being then bent upon itself at the rear end of said rearward projection to provide a relatively long forward projection, and being finally bent rearwardly upon itself at the front end of said relatively long forward projection, the two short rearward projections and the two relatively long forward projections being receivable in a downward fold on the upper end of a bag.

2,188,048
MECHANICAL TIME FUSE CASING
Helmut Junghans, Schramberg-Sulgen, Germany
Application October 14, 1937, Serial No. 169,041
In Germany July 23, 1936
5 Claims. (Cl. 102—36)



1. In a housing for time fuses having two interengaging parts of which one is a fixed lower portion and the other is a rotatable upper portion with corresponding annular grooves in each portion, a coupling means comprising an arcuate spring fixed at a point to one portion and lying normally in said groove in that portion, and adjusting means whereby a free portion of the spring is movable into and against the adjacent groove in the other portion.

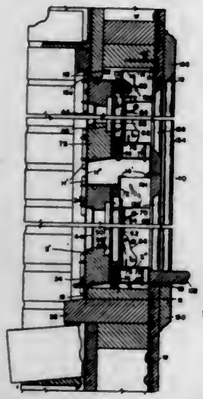
2,188,049
THRESHOLD
Fred W. Kammerer, New York, N. Y.
Application May 26, 1937, Serial No. 144,931
14 Claims. (Cl. 20—64)



1. A threshold construction for windows and the like comprising a pair of pivotally connected sections, one of said sections having a longitudinally extending, upwardly facing channel bounded along one edge by a substantially vertically projecting, upstanding flange, said flange being provided at its upper end with an enlarged, cross-sectionally rounded head, the other section of said pair comprising an upper, substantially horizontal jamb portion and a downwardly inclined approach portion projecting laterally therefrom and connected integrally therewith, and adapted to underlie the associated door or window, the undersurface of the jamb portion being shaped to form an elongated, downwardly facing, cross-sectionally rounded groove, said groove being complemental in shape with and adapted to embrace the head on said flange, said groove and said head being of such relative size and shape and being so constructed and arranged as to

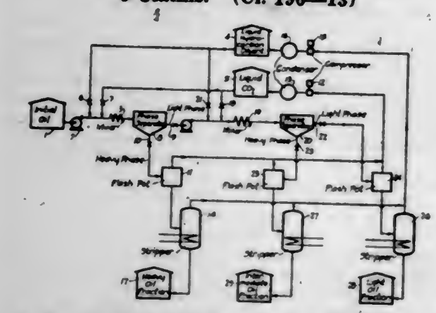
permit the second section to be swung upwardly to lie in a substantially vertical plane disposed laterally from the plane of the associated window.

2,188,050
WINDOW STRUCTURE
Peter H. Kuyper, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa, a corporation of Iowa
Application October 15, 1936, Serial No. 105,687
5 Claims. (Cl. 189—75)



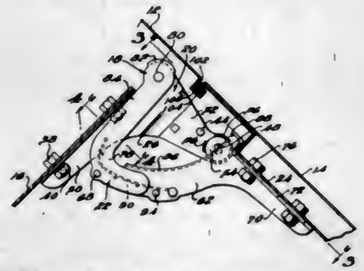
1. In a window structure, a sheet metal frame comprising a sill, side jambs and a head jamb each having an outwardly extending flange for engagement with that portion of the outer surface of a wall surrounding a window opening in the wall, the inner edge of said frame having hooked flanges located inward relative to the wall and opening toward the wall, angle shaped retainer strips each having one flange engaging the bottoms of said hooked flanges, said retainer strips each having its other flange overlapping the inner surface of that portion of the wall surrounding said window opening and means for securing said overlapping flanges thereof to said wall.

2,188,051
EXTRACTION PROCESS
Vernon Lantz, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 1, 1937, Serial No. 172,207
Renewed December 4, 1939
5 Claims. (Cl. 196—13)



1. A process for refining oils by extraction with a light hydrocarbon solvent modified with liquid carbon dioxide comprising contacting said oil with a liquid selective solvent consisting substantially of carbon dioxide and light aliphatic hydrocarbons of six or less carbon atoms per molecule, there being no overlapping in boiling range between the lightest fraction of said oil and said light hydrocarbon solvent, maintaining a pressure sufficient to keep the solution of oil and solvent in the liquid phase during the contacting, and producing two liquid phases, one comprising a solution of a portion of said oil in said selective solvent and the other consisting essentially of an undissolved portion of said oil containing a relatively small portion of said solvent.

2,188,052
HINGE STRUCTURE
Joseph P. Lavigne, Detroit, Mich., assignor to Metal Mouldings Corporation, Detroit, Mich., a corporation of Michigan
Application January 21, 1937, Serial No. 121,437
5 Claims. (Cl. 16—138)

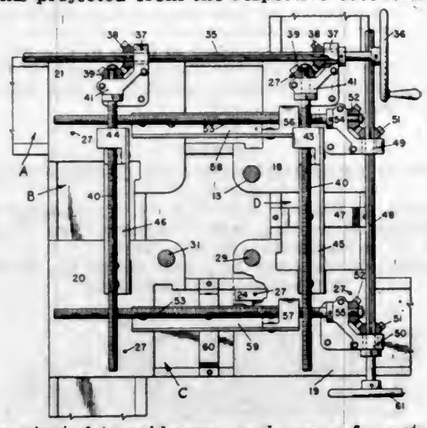


1. A hinge and latch mechanism comprising a first member and a second member, said second member having a U-shaped portion pivotally connected to said first member adjacent one end of said U-shaped portion, said first member having a projecting portion extending transversely of said U-shaped portion, a ratchet-wheel rotatively mounted adjacent the end of said projecting portion, a detent wheel fixedly secured for rotation with said ratchet-wheel, the U-shaped portion of said second member having an abutment which strikes against the detent wheel or passes thereby depending upon the rotative position of said detent wheel, and means on said second member engaging said ratchet-wheel to rotate said ratchet-wheel upon relative pivotal movement of said first and second members to thereby rotate said detent wheel alternately to its stopping and clear positions.

2,188,053
ASSEMBLING DEVICE
Sern Madsen, Clinton, Iowa, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application August 23, 1937, Serial No. 160,501
8 Claims. (Cl. 144—291)

1. In an assembling apparatus, a supporting frame comprising four members, one of said members being fixed and the other three members being adjustable for supporting rectangular objects of different sizes while working thereon, each of said members having a work contacting face, means for adjusting at least one of said work contacting faces comprising a plurality of eccentrics connected with the adjacent work contacting face for moving it, and means for simultaneously rocking said eccentrics for moving the work contacting face perpendicularly to its work engaging face, said means comprising

arms projected from the respective eccentrics, a



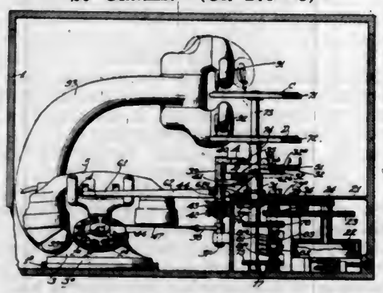
bar pivoted to said arms, and means for actuating said bar to swing said arms.

2,188,054
DOUBLE HUNG WINDOW
Sern Madsen, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application September 30, 1937, Serial No. 166,638
5 Claims. (Cl. 20—52)



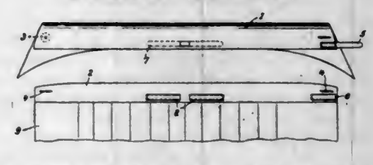
1. For use with a window structure comprising a window frame, sashes vertically slidable therein, counter-balance springs therefor and weather strip connections between the sides of said window frame and said sashes serving as combined guide and friction elements and providing uniform friction per unit area; means for increasing the total friction to hold said sashes against movement due to the bias of said springs, said means comprising extensions of said weather strips beyond the normal height of the sashes, said weather strips and extensions being carried by said sashes.

2,188,055
AUTOMATIC SIGNALING APPARATUS
Howard E. Marsh and Glen Smith, Ventura, Calif.
Application August 6, 1938, Serial No. 223,491
20 Claims. (Cl. 179—5)



1. In a signaling apparatus, a rotatable telephone dial, a sheave secured coaxially thereto, a cam having a cam surface corresponding to a number on the dial, a motor for operating the same, a rider normally held against the cam surface, and a flexible member connected to the rider and extending around the sheave.

2,188,056
SHIRT
Frieda Müller, geb. Mainusch, Berlin-Charlottenburg, Germany
Application June 22, 1938, Serial No. 215,116
In Germany June 30, 1937
5 Claims. (Cl. 2—139)



1. In combination, a shirt having an upper portion including a neck band and a detachable collar of the turnover type, the inner fold of said collar and said upper shirt portion constituting two elements to be attached to one another, a button on one end of one of said elements and corresponding button holes provided at the corresponding end of the other element opposite the end carrying the button and at the ends of both said elements, one of said elements carrying on said opposite end a flexible tab, the other element carrying on said opposite end a pocket to receive this tab and to hold this end of the collar attached to the shirt when the collar is opened.

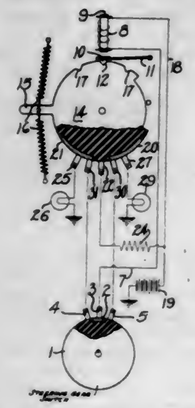
2,188,057
PROCESS FOR CATALYTIC CONVERSION OF GASEOUS HYDROCARBONS
Boris Malishev, Elizabeth, N. J., assignor of thirty and one-third per cent to Universal Development Corporation, New York, N. Y., and three per cent to John P. Nikonow, New York, N. Y.
No Drawing. Application January 24, 1939, Serial No. 252,546
4 Claims. (Cl. 196—10)

1. A process for the polymerization of gaseous products resulting from a hydrocarbon oil cracking process, comprising subjecting the gaseous products to the action of a catalyst consisting of a product of a mixture of a substance taken from the group consisting of a mineral phosphate, superphosphate, and Thomas slag, with a substance taken from the group consisting of sulfuric acid and sludge acid, calcined at a temperature sufficient to largely expel the free sulfuric acid but below red heat, the treatment being conducted at such pressure and temperature conditions as to polymerize the gaseous product into liquid hydrocarbons.

2,188,058
VEHICLE SIGNALING SYSTEM
Herbert E. Metcalf, Walnut Creek, Calif., assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif., a corporation of California
Application March 19, 1938, Serial No. 196,814
3 Claims. (Cl. 177—339)

2. In combination, a vehicle signaling system comprising a pair of indicator circuits each including a signal device, a steering gear switch

automatically and selectively connecting a pair of intermediate circuits to a power source in accordance with a turning movement of the steering gear of a vehicle, a hand switch selectively movable to two positions at the will of the vehicle operator, resilient means for centralizing said hand switch between said two positions, means for holding said hand switch in the selected position, contact means on said hand switch for separately connecting said intermediate circuits to said indicator circuits when said hand switch is in central position and for connecting both of said intermediate circuits to said power source and to an indicator circuit selected by movement of said hand switch to one of the two positions, and means operated by current passing through said automatic switch only for releasing the hold of said holding means whereby said hand switch returns to neutral position.

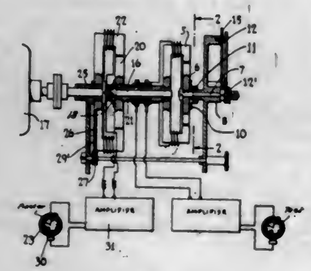


2,188,059

APPARATUS FOR TIMING WATCHES

Ernst Norrman, Chicago, Ill., and Maurice B. Landers, New York, N. Y.

Application June 10, 1938, Serial No. 212,952
6 Claims. (Cl. 73—51)



1. In a watch timing apparatus, in combination, a shaft, means to drive said shaft at a substantially constant speed, an electro-magnet on said shaft, a tick responsive device adapted to receive a master watch, means controlled by said tick responsive device to correct the rotation of said electro-magnet to maintain the rotation of the electro-magnet in synchronism with the master watch, an indicating member, an armature connected thereto and positioned to be controlled by said electro-magnet, a tick responsive device adapted to receive a watch to be tested, means controlled by said second mentioned tick responsive device momentarily to energize said electro-magnet in response to ticks of the watch to be tested, whereby the indicating member will be controlled to indicate the rate of the watch to be tested.

2,188,060

POWER TRANSMISSION FOR OSCILLATORY BODIES

Samuel D. Robins, New York, N. Y., assignor to Robins Conveying Belt Company, New York, N. Y., a corporation of New York

Application January 24, 1936, Serial No. 60,577
16 Claims. (Cl. 209—329)



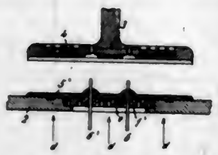
15. A method of imparting a state of vibration to a resiliently positioned vibratory load-carrying surface and maintaining such load-carrying surface in vibration which comprises first imparting to said load carrying surface vibrations of relatively slight extent and of a frequency approximating the natural period of vibration of said load-carrying surface, then gradually increasing the magnitude of said vibrations at a positively controlled rate until the desired extent is reached, and maintaining said vibrations at the desired frequency and magnitude.

2,188,061

ELECTRIC DISCHARGE VESSEL

Rudolf Scharfnagel, Stuttgart, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application May 13, 1938, Serial No. 207,756
In Germany May 14, 1937
7 Claims. (Cl. 250—27.5)



1. A cover for electric discharge vessels which comprises a ceramic member and a glass body moulded on this member to form an interlocked structure therewith.

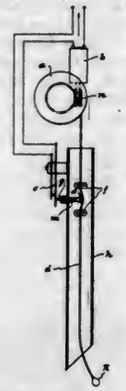
2,188,062

ANTENNA WINCH

Heinrich Schröder, Berlin-Waidmannslust, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 22, 1938, Serial No. 197,338
In Germany March 17, 1937
6 Claims. (Cl. 250—33)

1. An antenna winch for aircraft including in combination a reel for antenna wire, a fairlead for said wire, means for guiding said wire within said fairlead, means tensioning said wire against said guiding means, a motor for driving said reel, a switch for said motor, means connecting said switch and said tensioning means for controlling said motor as a function of said tensioning, and



a weight for applying tension to the free end of said wire.

2,188,063

CASE HARDENING COMPOSITION

Haig Solakian, New Haven, Conn., assignor to Artemas F. Holden, New Haven, Conn.

No Drawing. Application October 26, 1938
Serial No. 237,005
4 Claims. (Cl. 148—30)

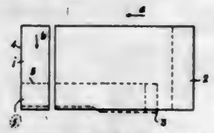
4. A case hardening composition comprising an alkali metal chloride 22% to 45%, an alkali metal carbonate 30% to 45%, an alkali metal fluoride 2% to 5%, silicon carbide 1% to 10% of the total mass, and sodium cyanide in an effective amount up to 41% of the total mass.

2,188,064

MECHANISM FOR MAKING LAMINATED PRODUCTS

David C. Spaulding, Jr., Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application September 24, 1937, Serial No. 165,541
22 Claims. (Cl. 93—81)



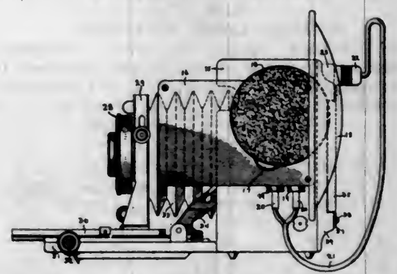
1. In mechanism of the character described, means for supplying a web of paper; means for applying adhesive to one surface thereof; means for assembling the same with another web; means for turning a margin of one web over the edge of the other web; means for applying adhesive to the exposed surface of said other web, including an applicator roller, a mounting for said roller movable to and from the web, means for operating said movable mounting; a hold-down intermittently engaging the web beyond said roller, and operated by the same means; severing means, including a cutter, a cam actuating said cutter, and a pinion and rack operating said cam; a gripper, including a base jaw, a jaw movable with respect thereto, spring means for closing said movable jaw, wedge-inclined means movable longitudinally of said movable jaw to open same from the base jaw, a rack and pinion for moving said wedge-inclined means; a carriage on which said jaws are mounted; guides permitting said carriage to move in a primary path to a position adjacent and parallel to said severing means and back to a position to be moved therefrom and permitting the jaws to then move back and forth in a secondary path in the plane of last position; a rack and pinion for moving said carriage to one of said positions in the primary path and an un-wind chain and sprocket and pull-spring for returning the carriage to the other of such positions; a lever having an end to engage said gripper when the latter is in its position back from the severing means, and means for operating said lever to move the gripper in its plane therein; a crank arm on a stub shaft with said movable gripper jaw-operating pinion; tripper arms movable against said crank for operating its pinion and rack; a slide carrying said arms; cam means for reciprocating said slide; means for moving the gripper in its secondary path; a mandrel-feeder served by the aforesaid gripper, including finger means and means for reciprocatively moving said finger means; and a mandrel for winding the fed material into tubular form.

2,188,065

SYNCHRONIZATION OF PHOTOFLASHES WITH FOCAL PLANE SHUTTERS

Oscar Steiner, Irondequoit, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application March 2, 1939, Serial No. 259,338
12 Claims. (Cl. 67—29)



5. In combination, a camera having a multiple-aperture, focal-plane curtain shutter strip, unwinding and winding-up rollers supporting said curtain shutter strip, a photoflash lamp attached to said camera, an electric circuit including said photoflash lamp, and including also a series of contact elements passed through the structure of the curtain strip itself and bent over against the opposite face of said curtain strip, the said several contact elements being each secured to the curtain strip in such relation respectively to an aperture of the curtain strip that, in the travel of the curtain, an electric circuit is altered and said lamp is illuminated when the corresponding curtain aperture is at the exposure opening of the camera.

2,188,066

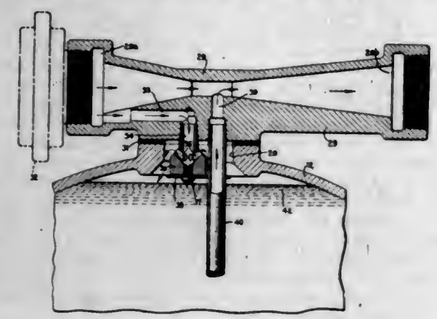
APPARATUS FOR INJECTING FOAM STABILIZING SOLUTIONS

Lewis G. Morris Timpson, Plainfield, N. J., assignor to Pyrene-Minimax Corporation, Newark, N. J., a corporation of Delaware

Application October 2, 1937. Serial No. 166,937
3 Claims. (Cl. 169—14)

1. Apparatus for introducing a solution of foam stabilizing material into a stream of water comprising a passage for said stream constructed and

arranged to provide different pressures of water in different portions thereof by altering the velocity of said stream without more than normal losses in pressure due to friction, a closed container for a solution of foam stabilizing material, means for introducing water from a high pres-



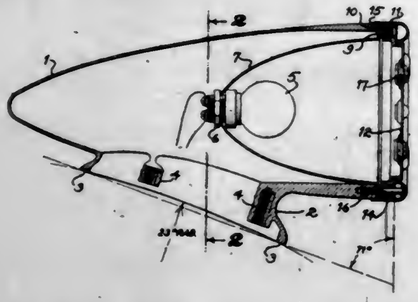
sure portion of said passage into said container, baffle means for obstructing direct flow of water into the container through said introducing means, and means for withdrawing solution from said container at a point remote from the introduction of water and introducing said solution into a low pressure portion of said passage.

2,188,067

SIGNAL LAMP BRACKET

Wagn Trautner, Springdale, Ohio, assignor, by mesne assignments, to Signacator Systems, Inc., Oakland, Calif., a corporation of California

Application November 15, 1937, Serial No. 174,573
3 Claims. (Cl. 177—329)



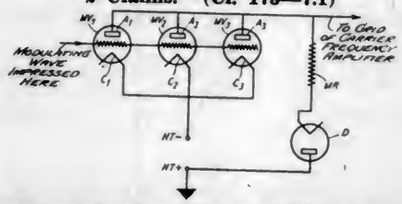
1. A universal foundation support for an automobile accessory adapted to fit a plurality of areas on the majority of automotive bodies, said support having generally downwardly extending wall portions the edges of said wall portions being so formed as to lie on a toric surface curved from the front to rear of said foundation support, the longitudinal curvature of said torus being a true arc of substantially 23" radius, said foundation support being adapted to support a display device having a display surface at a fixed angle of substantially 71° to a plane including the longest chord of said arc and parallel to the general extent of said surface whereby, when said basal surface is applied to one of said areas and fits said area, the plane of said display surface will be perpendicular to the ground plane upon which said automobile rests, and facing directly to the front or rear as mounted.

2,188,068

MODULATED CARRIER WAVE TELEVISION AND LIKE TRANSMITTER

William Stuart Leader Tringham, Surrey, England, assignor to Radio Corporation of America, a corporation of Delaware

Application April 9, 1936, Serial No. 73,420
In Great Britain April 10, 1935
2 Claims. (Cl. 178—7.1)



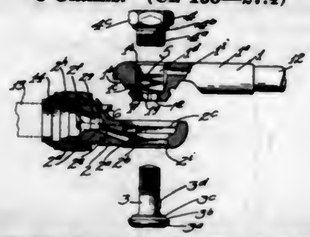
1. A modulated carrier wave television transmitter of the kind referred to comprising a modulating valve having a control electrode, a modulating load resistance in series with a non-rectilinear impedance in the anode circuit of said valve, means for controlling a carrier frequency stage at which modulation is to be effected by the voltage drop across said load resistance, and means for applying input signals constituting picture signals and superimposed synchronizing signals to the control electrode of the modulating valve, a characteristic of said non-rectilinear impedance being such that it saturates at signal values slightly in excess of peak picture signals so as to cause disproportionally greater amplification of said pulses whereby, as a result of such disproportionate amplification, the carrier amplitude is reduced substantially to zero by synchronizing pulses of lesser magnitude than would otherwise be necessary.

2,188,069

CUTTING TORCH HEAD

Robert E. Walsh, Carpenteria, Calif.

Application May 7, 1938, Serial No. 206,583
3 Claims. (Cl. 158—27.4)



1. In a cutting torch head, a pair of pivoted head members, the first having a transverse opening consisting of an axial bore reduced at one end to provide a coaxial bolt opening and terminating at its other end in a coaxial cone seat, the wall forming the reduced bolt opening having a plurality of longitudinal passages, said head member having a coaxial exterior cone surface at the end portion of the reduced bore and a coaxial annular groove in and between the extremities of the cone surface, said member having at the other end portion a lateral extension having spaced passages joining respectively with the bore and the groove, the second head member having a cone shaped bore, in which is seated said cone surface and also provided with a cone seat at the outside and at the small end of the bore, said cone shaped bore having spaced annular grooves in and between the extremities of the surface of the bore, the groove at the larger

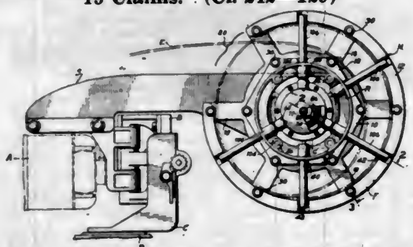
diameter end of the cone shaped bore registering with the groove of the first member, and the second groove of the second member communicating with the bore of the first member through said longitudinal passages, the second head member having also a lateral extension provided with spaced passages communicating respectively with the grooves, a bolt extending coaxially through said bores and having a cone portion at the underside of its head seated in the cone seat of the second member, and also having a key extending into one of the longitudinal passages of the first member as a key seat, and a nut for the shank of the bolt and having at the inner side thereof a cone portion seated in the cone seat of the first member, and also having a reduced shank inwardly therefrom fitting the bore of the first member.

2,188,070

WELDING ROD REEL

Albert W. Baird, Elizabeth, N. J., and Frederick G. Outcalt, New Rochelle, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio

Application November 19, 1937, Serial No. 175,358
15 Claims. (Cl. 242—129)



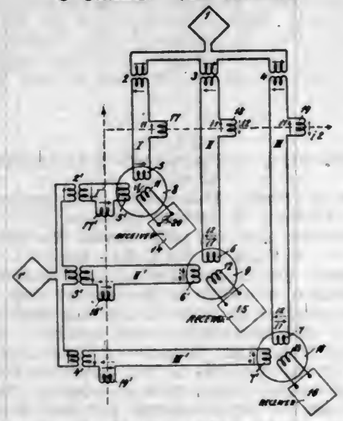
1. In a reel, a base plate substantially in the form of an annular, open sided channel, the web of said channel lying in a radial plane; axially extending, circumferentially spaced rollers mounted in said channel adjacent the flanges thereof; and means detachably secured to said channel for closing the open side thereof.

2,188,071

DIRECTION FINDING RADIO SYSTEM

Hans Berthold, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application January 25, 1938, Serial No. 186,781
In Germany January 29, 1937
3 Claims. (Cl. 250—11)



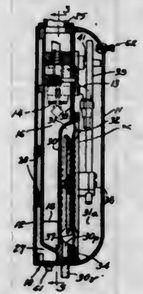
1. A direction finding radio system comprising, two directional antenna circuits, a plurality of radio goniometers each consisting of two field coils and field coil circuits and one search coil circuit and having one of said field coil circuits operatively associated with one of said directional antenna circuits and the second of said field coil circuits operatively associated with the second of said antenna circuits, and coupling means mutually coupled with each other and interposed in said field coil circuits between their actual field coils and said directional antenna circuits so as to induce potentials in said field coil circuits which potentials produce currents of equal amplitude but of opposite phase with respect to reactive currents resulting from the mutual influence upon one another of said radio goniometers.

2,188,072

LIQUID FUEL CONVERTER

Samuel Barton Brown, Los Angeles, Calif., assignor, by mesne assignments, to American Liquid Gas Corporation, Los Angeles, Calif., a corporation of California

Application August 2, 1937, Serial No. 156,880
4 Claims. (Cl. 257—2)



1. In a construction of the kind described, a casing, a hot water jacket occupying exterior portions of said casing and having parallel, connected channels causing a reverse flow of water through it, means whereby a tortuous fuel passage having parallel connected runs which extend crosswise to said water channels is constructed within said casing interiorly of said jacket, a diaphragm housing associated with said casing and having a diaphragm chamber which is in communication with said fuel passage, there being a diaphragm operated by varying pressure within said diaphragm chamber, a valve controlling supply of fuel passing through said fuel passage, and means operatively relating said diaphragm to said valve, the aforesaid water channels and fuel runs being separated only by a partition plate.

2,188,073

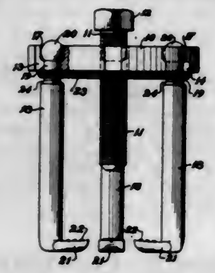
TEXTILE PRINTING LACQUER

Edmond H. Bucy, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 10, 1938, Serial No. 213,097
6 Claims. (Cl. 91—68)

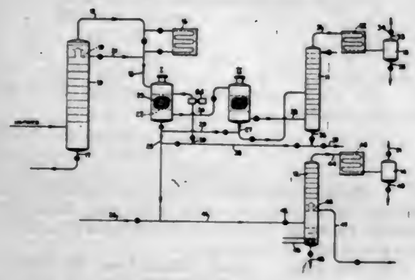
4. A textile having a portion thereof printed with a composition to form a pattern of solid color in contrast with the color of the textile, said composition consisting essentially of cellulose derivative comprising at least 50% by weight of ethyl cellulose, a straight chain dibasic acid-polyhydric alcohol resinous reaction product, shellac, a plasticizer and a pigment.

2,188,074
WHEEL PULLER
Ernest E. Condon, Flushing, N. Y.
Application July 6, 1938, Serial No. 217,699
1 Claim. (Cl. 29—85)



In a pulling device, in combination, a rigid disk having a plurality of circumferentially spaced sockets formed therein, each socket comprising a bore of large and small diameter, radial slots leading from said sockets to the periphery of said disk, said slots being less in width than the large diameters of the sockets, a plurality of pulling rods, balls on the ends of said rods adapted to be mounted in the large diametered bore of said sockets, the portions of said rods adjacent said balls being reduced to a diameter less than the widths of said slots and of a length slightly greater than the thickness of said disk, whereby said rods may freely move in a plurality of directions, work engaging members carried on the other ends of said pulling rods, spring means engaging the reduced diametered portion of said members beneath said disk after said balls are mounted thereby retaining said members in said sockets and at the same time urging said members toward the axis of said disk, and a pressure screw threaded through the center of said disk.

2,188,075
TREATMENT OF HYDROCARBON DISTILLATES
Horace B. Cooke, Greenwich, Conn., assignor to The Gray Processes Corporation, Newark, N. J., a corporation of Delaware
Application February 18, 1936, Serial No. 64,430
6 Claims. (Cl. 196—94)



2. The method of treating a relatively low-boiling hydrocarbon fraction and a relatively high-boiling hydrocarbon fraction when each fraction requires a different degree of treatment to effect removal of color-imparting and gum-forming constituents undesired therein, which comprises passing a mixture of the said fractions through a stationary treating bed consisting of consolidated finely divided solid adsorbent catalytic material with said low-boiling fraction in the vapor phase and with said high-boiling fraction in the liquid phase to effect substantially complete polymerization and removal of undesired constituents from one of said fractions and partial removal of undesired constituents from the other of said fractions, separating from the mixture and withdrawing as a final product the one of said fractions from which undesired constituents have been removed substantially entirely, and passing the remaining fraction through a second stationary treating bed consisting of consolidated finely divided solid adsorbent catalytic material for further treatment to effect substantial polymerization and removal therefrom of remaining undesired constituents.

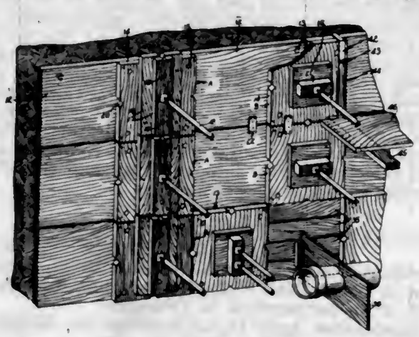
2,188,076
EXTRUSION PRESS
Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application September 19, 1938, Serial No. 230,543
23 Claims. (Cl. 207—2)



1. An extrusion press comprising opposed spaced press frame heads, transversely spaced strain rods connecting said heads, extrusion die means, abutment means associated with one of said heads and shiftable between an operative position to resist extrusion thrust upon said die means and an inoperative position free from the die means, a fluid pressure cylinder rigid with the other head, a ram reciprocable in said cylinder, a container unit between said heads, associated with said die means and having a bore to receive an extrusion charge, an extrusion plunger connected to said ram for advance thereby into said bore and retractible therefrom, means operable to control reciprocation of the ram and plunger, means to prevent operation of said control means for advance of the ram and plunger when the said abutment means is intermediate its said positions, means supporting the plunger for shifting, when retracted, out of alinement with the container bore, and means for adjusting the container unit relatively to the die means and plunger to position its bore accurately for an extrusion operation, the container being formed and mounted for removal bodily from the press assembly through the space between a pair of said strain rods.

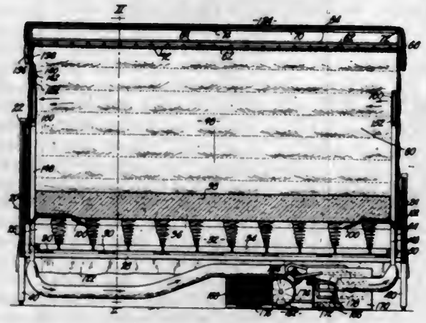
2,188,077
MEANS FOR SHEATHING EXCAVATION WALLS
Edmund B. Dowd, Homewood, Ill., assignor to Thomas L. Dowd, Chicago, Ill.
Application May 16, 1938, Serial No. 208,164
9 Claims. (Cl. 61—41)

2. Means for sheathing an excavation wall comprising a plurality of horizontal courses respectively formed by panels in surface engagement with the wall and end-to-end abutting relation with the joints so formed on the respective courses in alignment, a pad member disposed over the vertical joint at each course, the pads of each set of aligned joints forming a vertical tier, means for independently applying pressure to each of said pads for forcing it towards said wall, and a portion formed on each of said pads



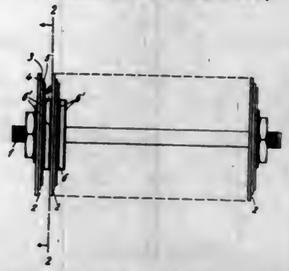
over the joint formed by the adjacent ends of for overlying a pad of an adjacent course.

2,188,078
AIR CONDITIONED BED COMPARTMENT
Perry V. Eakin, Kansas City, Mo.
Application March 22, 1937, Serial No. 132,367
1 Claim. (Cl. 5—362)
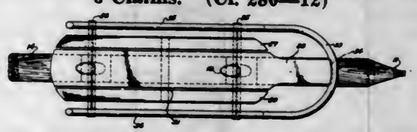


In an air conditioned bed assembly having a mattress, springs beneath the mattress and slats supporting the springs, a compartment, positioned above the bed and bottomed by the mattress thereof, comprising brackets pivotally secured at their one end to the slats at the end of the bed beneath the corners of the mattress for oscillation in a horizontal plane; a vertical standard carried by the other end of each bracket; an open frame setting off an area substantially equal to that of the mattress carried by the standards above the mattress; a wall of heat insulating material, having its upper edge secured to said open frame, circumscribing the mattress and having its lower marginal edge extending inwardly between the mattress and springs; yieldable means connecting the lower inturned edge of the wall to the springs of the bed; and a top member of heat insulating material covering the frame to form, with the wall and mattress, a box-like enclosure, said wall having a plurality of spaced apart loops along the upper edge thereof, slidably engaging the frame, one stretch of said wall along one side of the mattress being provided with a slit extending inwardly from said upper edge to a point substantially on the extended plane of the upper side of the mattress and thence longitudinally to set off a displaceable portion of the wall for the purpose specified.

2,188,079
RECTIFIER DEVICE
Albert Gottschalk and Albrecht Geisselsöder, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application May 25, 1938, Serial No. 209,972
In Germany May 29, 1937
4 Claims. (Cl. 175—366)



1. A multi-unit dry-rectifier device comprising a plurality of individual rectifier units, intermediate members of metal arranged between each two of said rectifier units and adapted to provide a given space therebetween, and thin layers of insulation for electrically separating said rectifier units and said members of metal.

2,188,080
MONORUNNER COASTING DEVICE
Royce Grimm, Snyder, N. Y., assignor to Harrington Flierl, Buffalo, N. Y.
Application September 13, 1938, Serial No. 229,723
6 Claims. (Cl. 280—12)



1. A monorunner coasting device comprising a single runner in the form of a ski, spaced pedestals mounted on the runner, cross bars disposed transversely of the runner and secured to said pedestals, and a deck secured on the cross bars, said runner having a width of from three to four tenths the overall deck width, said deck being disposed above the runner not more than twice the runner width, whereby said device is stable.

2,188,081
ORNAMENTAL TREE
Joseph Aloysius Guthrie, Baltimore, Md.
Application February 24, 1939, Serial No. 258,124
6 Claims. (Cl. 41—15)

5. An artificial tree of the class described, comprising in combination, a flat foundation plate made up in a series of dovetailed and interlocked plates having narrow rectangular slots therein disposed in radial arrangement about the central portion of the plate but spaced away from the axis portion thereof, a plurality of branch members of flat material cut straight on one longitudinal edge and diminishing in width from top to bottom with the other edge of irregular form, the bottom portions of the members being extended sufficiently to fit in the said slots and under the foundation plate so as to support same and be locked in predetermined arrangement thereby, a top cap for the apex of the tree formed to take the upper portions of the branch mem-

bers in predetermined arrangement coinciding with that of the foundation plate, means for locking and hinging the branches together at various locations adjacent the straight edges to additionally secure and increase the rigidity of the same



and without bringing the members into the central axis space of the tree, and means for increasing the external foliage contour of the branch members, said means being bifurcated to straddle the members individually and hold themselves thereon.

2,188,082
BUMPER FOR VEHICLES
Robert H. Imhofe, Canastota, N. Y., assignor to Rex-Watson Corporation, Canastota, N. Y., a corporation of New York
Application June 22, 1937, Serial No. 149,709
2 Claims. (Cl. 293—55)



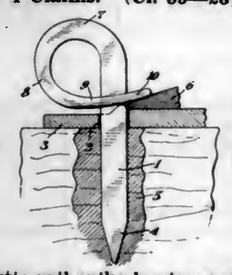
2. A bumper comprising an elongated metal backing strip, a non-metallic bumper element overlying and extending lengthwise of the backing strip, the bumper element being formed with lengthwise parallel channels opening through the face thereof against the backing strip providing a wall or leg separating the channels, the wall engaging and thrusting at its edge against the backing strip, and means located entirely out of the channels for securing said bumper element to the backing strip, the wall serving as a strut between the channels.

2,188,083
EXTENDIBLE SLOTTED DEFLECTOR FLAP
Otto C. Koppen, Newton, Mass., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 11, 1937, Serial No. 130,385
9 Claims. (Cl. 244—42)



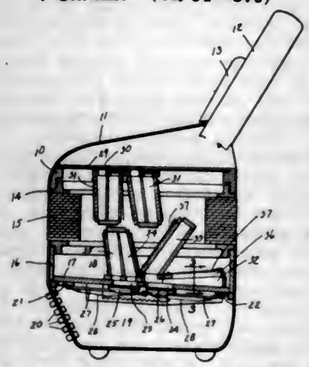
1. In combination with an airplane wing, a lift increasing device comprising a flap of airfoil section normally received within a recess in the lower rear portion of said wing, a plurality of rodlike members slidably supported within said wing for supporting said flap and moving the same into and out of said recess, a plurality of links associated respectively with said rodlike members for tilting said flap, a plurality of movable abutments screw-threaded one on each of said rodlike members and pivotally connected with the forward ends of the respective links, means for rotating said rodlike members to impart flap tilting movement to said movable abutments and connecting means between said rodlike members and said flap constructed and arranged to permit rotation of said rodlike members relative to said flap and tilting of said flap relative to said rodlike members.

2,188,084
RESILIENT RAIL SPIKE
Berthold Kuckuck, Mount Vernon, N. Y., assignor to Elastic Rail Spike Corporation, New York, N. Y., a corporation of Delaware
Application April 10, 1939, Serial No. 267,059
4 Claims. (Cl. 85—28)



1. An elastic rail spike having a shank of solid metal which shank consists of a single length of metal substantially square in cross section, and an upper portion extending from said shank which is of looped shape to provide a curved portion extending away from the shank and then spirally downward, said spike having a resilient arm projecting crosswise of the shank from said last mentioned curved portion, said resilient arm being constructed and arranged to overlie and press down upon a rail flange, said spike being gradually reduced in thickness from the upper part of the shank along said looped portion and resilient arm to the rail engaging portion of said resilient arm.

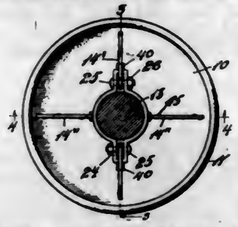
2,188,085
ACCORDION CONSTRUCTION
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application March 9, 1939, Serial No. 260,668
7 Claims. (Cl. 84—376)



1. In an accordion, a valve board having a

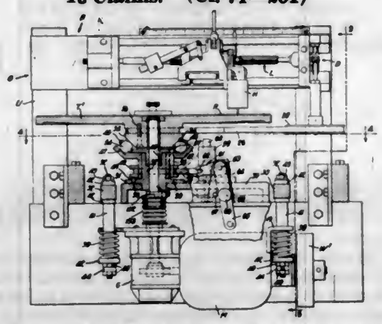
series of valve controlled ports therein, a reed block mounted upon and having one wall thereof comprising said valve board, a reed carrying wall spaced therefrom and provided with a series of slots, a series of reeds associated with said slots, and a plurality of partitions extending between said valve board and reed carrying wall to form separate air chambers, each of said chambers being in communication with one of said ports.

2,188,086
BEAM HEAD
Frank Mossberg, Attleboro, Mass.
Application March 11, 1937, Serial No. 130,256
7 Claims. (Cl. 242—124)



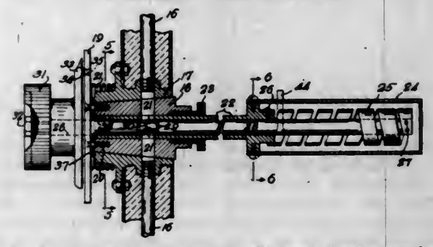
6. In a beam head, a flange, a plurality of radial ribs fixed to the outer surface of said flange and extending a substantial distance axially beyond the outer surface thereof, a hub having spaced end portions movable towards each other for contraction of the hub, interlocking means at the movable end portions of the hub connecting the hub and the ribs and positioned only axially outwardly beyond the outer surface of said flange and arranged for movably holding the hub against the flange, and additional means positioned radially inwardly of said interlocking means for contraction of the hub.

2,188,087
PHONOGRAPH DRIVE
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Application September 30, 1936, Serial No. 103,269
Renewed November 16, 1939
13 Claims. (Cl. 74—281)



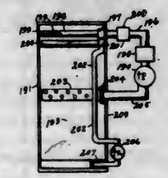
1. A turntable driving mechanism for phonographs comprising, in combination, an annular member adapted to turn the table when itself rotated, a second annular member disposed coaxially with, and adjacent to, said first-named annular member, a ring of rolling members intermediate said annular members, a cage member of annular form for said ring of rolling members, a drive shaft extending through both said annular members and connected at an intermediate point to said cage member and coupling means adapted to control actuation of said turntable through said annular members at different speeds selectively, said annular members, rolling members, and coupling means being so co-ordinated that said driving means may be rotated at a constant minimum speed, less than that of certain of the selective speeds.

2,188,088
COMBINATION SHUT-OFF AND REGULATOR FOR OVENS
Walter K. Stafford, Newton, and Frank W. Anderson, Boston, Mass., assignors of one-third to Alfred R. Shrigley, Hingham, Mass.
Application October 27, 1938, Serial No. 237,256
3 Claims. (Cl. 236—15)



1. A combination shut-off and fuel regulator for heating apparatus having an open-flame burner and a fuel supply conduit leading thereto, comprising a tubular main valve disposed in the conduit, an auxiliary sleeve valve passing through and movable in the main valve, each of said valves being conjointly operable and independently effective to control the fuel supply, a coiled spring thermostat disposed in the medium to be heated and fixed to the auxiliary valve so that the effective position of the matter is automatically adjusted as a consequence of heat-responsive movement of the thermostat, a rotatable shaft fixed to the thermostat so that rotation of the shaft turns the auxiliary valve as well as the thermostat, a knob attached to the shaft and detachably engageable with the main valve for simultaneously rotating the same, thereby to regulate the initial setting of the main valve, the sleeve valve and the thermostat, and a stop member engaging the sleeve valve to limit the rotation of the auxiliary valve relative to the main valve when the latter is opened, so that an initial tension tending to hold the sleeve valve open is imparted to the coiled thermostat at such initial setting, whereby said valve will not move toward closing position until after said tension has been overcome by heat-responsive movement of the thermostat.

2,188,089
COOLING DEVICE
Albert G. Thomas, Lynchburg, Va.
Application October 8, 1936, Serial No. 104,614
3 Claims. (Cl. 62—126)



1. In a cooling device, a cooling element composed of a plurality of opposed surfaces, means

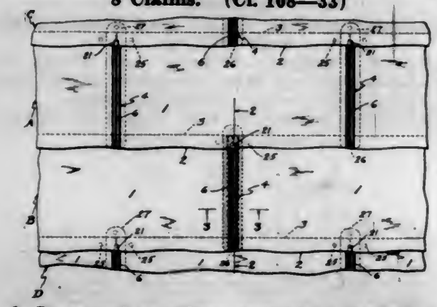
for supplying liquid refrigerant to said surfaces, perforated conduits between said surfaces, and means for withdrawing refrigerant vapor from said element through said conduits.

2,188,090

JOINT FOR ASBESTOS SHINGLES OR SIDING

Frederick C. Young, Westport, Conn.

Application January 26, 1939, Serial No. 252,937
8 Claims. (Cl. 108—33)



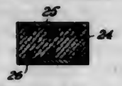
1. In a roof or siding, individual shingles laid in horizontal rows with the lower edge of the upper row overlapping the upper edge of the lower row, a metal joint member at the adjacent ends of shingles in the same row of general I-shape in cross section arranged with the end edges of the shingles received between the upper and lower laterally extending flanges, an upwardly directed hook on the top of the upper flange to receive the lower edge of a shingle in the next upper row, and a downwardly directed hook on the back of the lower flange adjacent the lower end of the member to engage over the upper edge of a shingle in the next lower row.

2,188,091

PROCESS FOR MAKING PERMANENT MAGNETS AND PRODUCTS THEREOF

Max Baermann, Jr., Cologne, Germany

Application July 8, 1935, Serial No. 30,329
In Germany July 11, 1934
6 Claims. (Cl. 175—21)



5. In a process for making permanent magnets, the steps which consist in reducing a permanent magnetic nickel-aluminium steel alloy of high coercive force and remanence to powder, mixing the powder consisting principally of grains sized within the range from about 0.01 mm. to 1 mm. in average external diameter and having a high coercive force of at least 240 oersted with a binder and agglutinating the mixture under pressure to the desired form at a temperature below 400° C.

2,188,092

REMOVAL AND RECOVERY OF LAMINARINE FROM SEAWEED

Victor Charles Emile Le Gloahec, Rockland, Maine, and John Robert Herter, New York, N. Y., assignors to Algin Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application January 20, 1938, Serial No. 185,638. In France January 11, 1934
7 Claims. (Cl. 260—210)

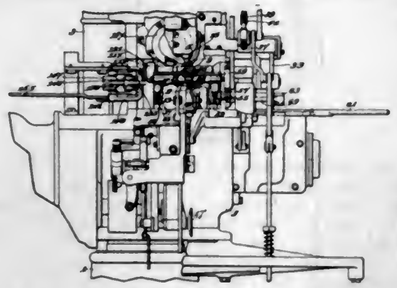
1. In a method of treating seaweed, the steps comprising washing the seaweed with alkaline earth metal salt solution to dissolve laminarine, separating dissolved laminarine from undissolved material, precipitating the laminarine by adding a precipitant for laminarine to the solution and separating precipitated laminarine from the residual liquid.

2,188,093

SEWING MACHINE

Joseph Gouldbourn and Thomas Aubrey Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Original application October 23, 1934, Serial No. 749,594. Divided and this application April 7, 1938, Serial No. 200,635. In Great Britain November 28, 1933
18 Claims. (Cl. 112—47)



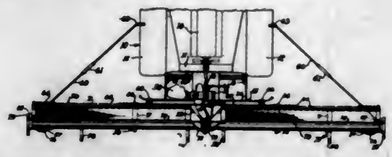
3. A sewing machine having, in combination, stitch forming and work feeding devices comprising a work support movable to and fro along the line of feed, a curved hook needle and a curved awl, separate mechanisms spaced apart in the direction of feed, and each comprising connected levers and links for actuating said devices to impart a continuous feeding movement to the work, and separate brackets for supporting in part said mechanisms, each adjustable to vary the extent of the movements imparted by the mechanism supported thereby.

2,188,094

INSECT CATCHING APPARATUS

Fred W. Grabe, South Omaha, Nebr.

Application November 15, 1937, Serial No. 174,510
8 Claims. (Cl. 43—140)



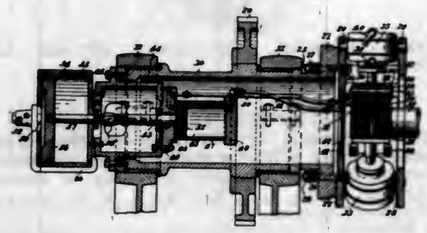
1. Insect catching apparatus comprising a power-propelled vehicle having a motor thereon, a laterally disposed trough supported at one end of said vehicle, a conveyor in said trough, resilient shoes for supporting said trough and conveyor on the ground over which the vehicle is propelled, a wall extending upwardly from said trough adapted to engage insects in their flight and to fend the insects into said trough onto said conveyor, a receiver, means at the end of said conveyor for discharging the insects into said receiver, and means for operatively connecting said conveyor with said motor on the vehicle.

2,188,095

CHUCK

Howard K. Hartsuff, Beaver, Pa., assignor to Jones & Laughlin Steel Corporation, a corporation of Pennsylvania

Application March 11, 1938, Serial No. 195,295
5 Claims. (Cl. 279—4)



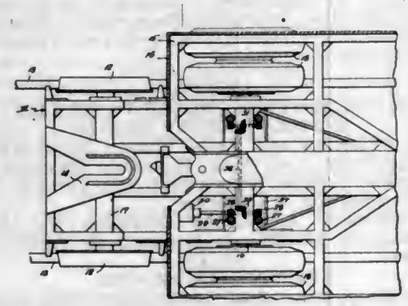
3. A chuck comprising a rotatable barrel, a head carried thereby including spaced annular portions, a plurality of cylinders on said head disposed radially of the axis of the barrel and trunnioned between said portions, pistons and piston rods reciprocable in said cylinders, chuck jaws carried by said piston rods, and means guiding the reciprocating movement of said jaws.

2,188,096

CONVERTIBLE CAR FOR RAILWAY AND HIGHWAY USE

John R. Hughes, Boston, Mass.

Application June 8, 1938, Serial No. 212,490
4 Claims. (Cl. 105—215)



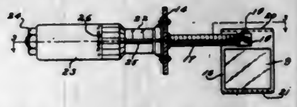
1. A convertible car of the character described, comprising a frame, rail wheels and an axle therefor, for supporting the frame when the car is on the railway, a highway axle independent of and spaced from the first axle, road wheels carried by the highway axle, bearing blocks for the highway axle, leaf springs permanently attached to the frame, pedestals rigidly connected to the respective springs at the center thereof, said pedestals having guideways and said blocks being mounted for sliding movement in the pedestals, and means for raising and lowering the blocks in the guideways and for holding the blocks in lowered position, thereby to raise or lower the road wheels above or below the bottom of the rail wheels and to support the weight of the car on the road wheels when the latter are positioned for highway travel.

2,188,097

CALIBRATOR FOR THE COMPENSATING WEDGE OF PHOTOMETERS

Clifford J. Thompson, Washington, D. C.; dedicated to the free use of the People of the United States of America

Application July 23, 1938, Serial No. 220,944
2 Claims. (Cl. 88—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



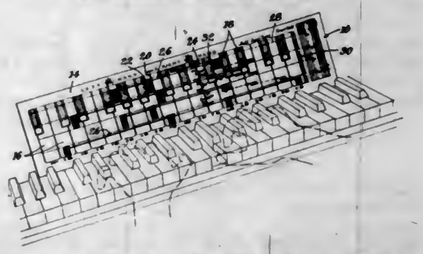
1. In combination with a photometer having a compensating wedge and a housing thereof, means for calibrating relative positions of said wedge, said means comprising a shaft rotatably mounted through the housing of said wedge, a frame for said wedge, said shaft being pivotally attached to said housing, said shaft being in threaded engagement with a body member fixed to said wedge housing; a cylindrical barrel rotatably and translatively mounted on a portion of said body member the outer end of which barrel member is fixed to the outer end of said shaft; and graduated scales for indicating the relative positions of said barrel member with respect to said body member.

2,188,098

CHART FOR PIANO PLAYING

John C. Bostelmann, Jr., Hastings on Hudson, N. Y.

Application March 2, 1935, Serial No. 9,039
5 Claims. (Cl. 84—479)



1. A chart of the class described for use on a piano to designate the keys to be struck in playing a composition, comprising a chart with vertical lines forming spaces to correspond with the keys of the piano, characters, lines marked horizontally across the chart forming spacings, said spacings having the characters therein to be played in the respective spacings, broken lines joining the characters intended to be played by one hand and continuous lines joining others of the characters intended to be played by the other hand, and arrows on the chart for indicating the sequence in which the characters are to be played.

2,188,099

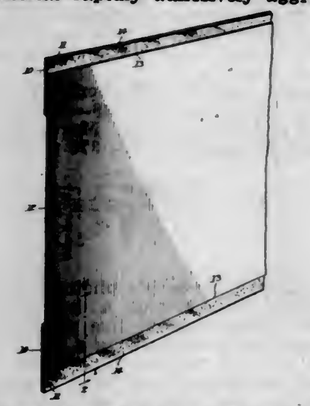
ADHESIVE

Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Original application December 12, 1929, Serial No. 413,645. Divided and this application August 29, 1931, Serial No. 560,210
10 Claims. (Cl. 134—23.4)

4. For use as a modifying composition for ge-

latinous materials, adapted to render the gelatinous material rapidly adhesively aggressive to

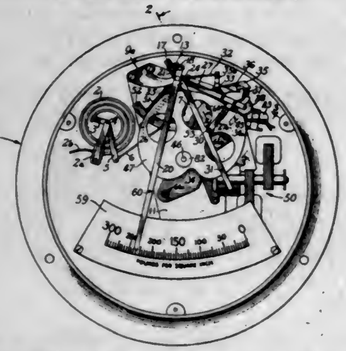


heat, and quick in setting upon removal of heat, comprising a fused sugar and glycerine mixture.

2,188,100
TELEMETRIC SYSTEM

Webster W. Frymoyer, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application December 24, 1936, Serial No. 117,507
27 Claims. (Cl. 177—351)



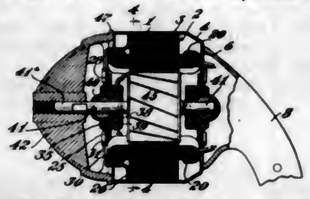
1. In a telemetric system, a transmitter having a member positioned by a condition-sensitive means, a feeler adapted to oscillate from a predetermined starting position along a path to contact said member, means including a cam for operating said feeler, said cam having a predetermined shape and being so related that said feeler is moved at a predetermined rate and means for starting a signal at the time said feeler starts moving from said predetermined position and stopping said signal when said feeler contacts said member.

2,188,101
ELECTRIC MOTOR

Brooks Stevens, Jr., Concord, and Philip J. Gilinson, Lowell, Mass., assignors to Heinze Electric Company, Lowell, Mass., a corporation of Maine

Application January 20, 1938, Serial No. 185,878
14 Claims. (Cl. 172—36)

1. An electric motor assembly comprising an outer casing affording a cylindrical wall and a dish-like end plate having a peripheral flange with an edge portion juxtaposed to the inner surface of said wall and spaced inwardly from the end thereof so that the end of said wall provides an annular flange projecting beyond the corresponding part of the end plate, said end plate



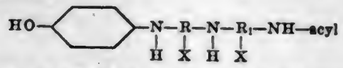
having opposite substantially arcuate slots therein.

2,188,102
SULPHUR DYESTUFFS

Werner Zerweck, Frankfort-on-the-Main-Fechenheim, and Wilhelm Hechtenberg, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 30, 1938, Serial No. 227,530. In Germany September 6, 1937
2 Claims. (Cl. 260—133)

1. Sulphur dyestuffs obtained by acting with an alkali metal polysulphide on a member of the group consisting of a leucoindophenol of the general formula:



wherein R stands for a member of the group consisting of a radicle of the benzene and naphthalene series, R_1 for a member of the group consisting of a radicle of the benzene and polynuclear aromatic series, one X for hydrogen and the other X for a member of the group consisting of hydrogen, COOH and SO_3H, and acyl for a member of the group consisting of lower aliphatic acid radicles and benzene-mono-carboxylic acid radicles, and of a corresponding indophenol, which dyestuffs dye the vegetable fibers bright blue to greenish blue to green shades of good fastness, particularly to light.

2,188,103
CONDENSATION PRODUCTS OF THE ANTHRAQUINONE SERIES

Fritz Baumann and Heinz Werner Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 14, 1937, Serial No. 179,729. In Germany December 17, 1936
3 Claims. (Cl. 260—326)

1. The process which comprises causing to react with benzyl cyanide an anthraquinone substituted in 2-position by a radical selected from the group consisting of carboxylic acid, carboxylic acid amide, and carboxylic acid ester, and having a cyano group in 3-position.

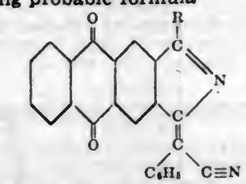
2,188,104
CONDENSATION PRODUCTS OF THE ANTHRAQUINONE SERIES

Fritz Baumann and Heinz-Werner Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 29, 1937, Serial No. 182,260. In Germany January 2, 1937
7 Claims. (Cl. 260—326)

1. The products which are obtained by reacting benzyl cyanide with an anthraquinone substituted in 2-position by a radical selected from the group consisting of carboxylic acid, carboxylic acid amide, and carboxylic acid ester and having

a cyano group in 3-position, subjecting the reaction product obtained to the action of phosphorus pentachloride and then reacting this product at an elevated temperature and in the presence of an indifferent solvent with an amine containing at least one hydrogen atom attached to the nitrogen, these products corresponding to the following probable formula

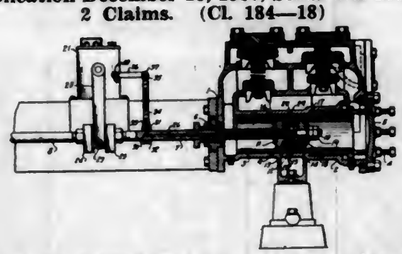


wherein R stands for a substituted amino group.

2,188,105
LUBRICATING MECHANISM FOR RECIPROCATING PUMPS AND SIMILAR DEVICES

Walter T. Caldwell, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application December 13, 1937, Serial No. 179,462
2 Claims. (Cl. 184—18)

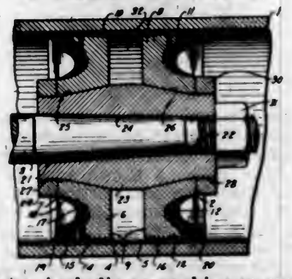


2. In an apparatus of the character described including a cylinder, a piston operable in the cylinder, a reciprocatory rod connected with the piston and having a lubricant passageway opening into said piston, means supplying lubricant to the piston including a lubricant pump, an operating connection between the pump and the piston rod, a jointed swing pipe including a tubular arm having pivotal connection with the discharge of the lubricating pump, a tubular arm having pivotal connection with the piston rod, and a hinge joint connecting said arms and cooperating therewith to form a passageway connecting the pump discharge with said piston rod passageway.

2,188,106
PISTON

Walter T. Caldwell, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application February 28, 1938, Serial No. 193,113
8 Claims. (Cl. 309—4)



1. A piston including a packing mounting sleeve having oppositely tapering ends forming packing retaining seats, packing rings having correspondingly tapered bores mounted on said tapered ends of the sleeve, and means for wedging the packing rings on said seats.

2,188,107
ROTARY DRILLING RIG

Walter T. Caldwell and John P. Lang, Enid, Okla., assignors to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application April 6, 1938, Serial No. 200,390
6 Claims. (Cl. 255—22)

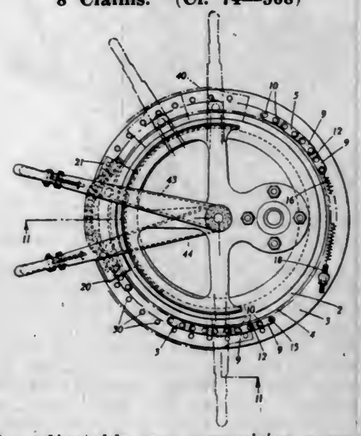


6. In a rotary drilling rig, a power augmenting unit including a pair of cylinders, a piston in each cylinder, a rod connected with each piston, a cross head connecting the rods, means spacingly connecting the cylinders and forming an enclosing housing, a kelly rod driving sleeve having a bore directly engaging a kelly rod, means rotatably mounting the kelly rod driving sleeve in the housing, a chuck sleeve separate from the driving sleeve and rotatably mounted in the cross head, and a chuck fixed to the chuck sleeve for gripping the kelly rod to move the kelly rod through said driving sleeve.

2,188,108
ADJUSTABLE CAM

Edgar Philip Dorman, London, England, assignor to The United Glass Bottle Manufacturers Limited, London, England, a British company

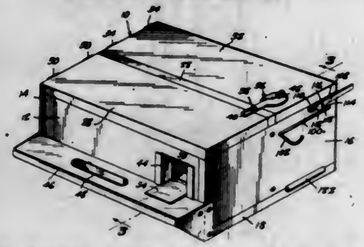
Application February 17, 1939, Serial No. 257,017
In Great Britain April 26, 1938
8 Claims. (Cl. 74—568)



1. An adjustable cam comprising a support, a

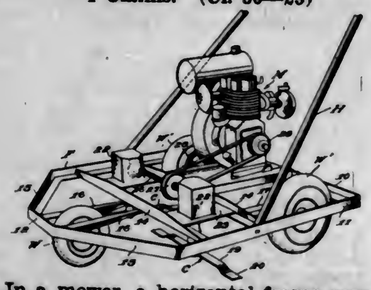
pair of angularly displaceable cam segments on said support adapted to be moved toward and away from each other, each of said segments having a high portion of increased radius and a low portion of reduced radius connected by an inclined portion, the high portions of the segments being juxtaposed, a flexible member positioned circumferentially about the axis of the cam segments within a radius less than that of the low portions of the segments, and means carried by said cam segments for deflecting the flexible member outwardly to coincide with the high portions of the segments.

2,188,109
ANIMAL TRAP
Hugh L. Donnell, Auburntown, Tenn.
Application December 30, 1938, Serial No. 248,586
6 Claims. (Cl. 43—67)



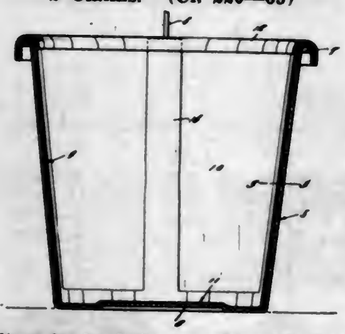
1. An animal trap comprising an entrance chamber provided with an entrance opening and a cage chamber, said entrance chamber and cage chamber being provided with a communicating door opening, a pivoted platform inside the entrance chamber and provided with a door for normally closing said communicating door opening, a trap door for closing the entrance opening, and an operating connection between the trap door and the platform, said platform being pivoted by the weight of an animal thereon for moving said first door to an open position and moving the trap door to a closed position.

2,188,110
MOWER
Adam G. Fahnestock, Lititz, Pa.
Application May 6, 1939, Serial No. 272,240
4 Claims. (Cl. 56—25)



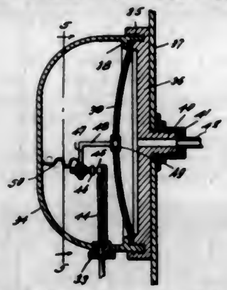
1. In a mower, a horizontal frame comprising a marginal portion including a rear strip, parallel side strips at right angles to the rear strip, a relatively short front strip parallel with the rear strip, and forwardly-converging strips interconnecting the side and front strips, a pair of ground-engaging wheels journaled within the frame adjacent the rear and side strips, a single ground-engaging wheel journaled within the frame adjacent the front strip, a pair of horizontally disposed vertical axis rotary cutters journaled in the frame intermediate the front and rear strips, and power means supported by the frame for driving the cutters.

2,188,111
LINER
Dominic Grandinetti, Elberon, N. J.
Application September 28, 1938, Serial No. 232,220
2 Claims. (Cl. 220—65)



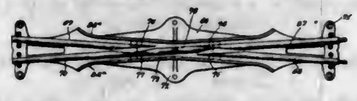
1. A liner for buckets comprising a body shaped to conform to vertical walls of a bucket, a bottom for said body and shaped to conform to a bottom wall of the bucket, a flange integral with said bottom and secured on the body to establish a leakproof connection between the bottom and the body, and a flange secured on said body to cover a flange of the bucket, reinforcing strips formed on the bottom and engaging the inner faces of the body and secured to the flange of said body and positioned between the latter and the flange of the bucket, certain of said strips and the flange of the body being notched to receive the handle attaching portions of the bucket.

2,188,112
PNEUMATIC TIRE SWITCH
Harold Hicks, Yankton, S. Dak., assignor of one-half to Fred L. Vilas and ten per cent to Glenn Clabaugh, both of Pierre, S. Dak.
Application September 27, 1937, Serial No. 166,017
2 Claims. (Cl. 200—58)



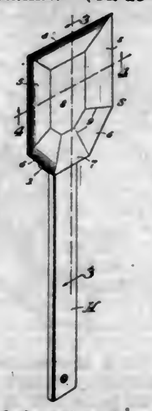
1. In a low pressure alarm, a base plate having a port therein adapted to be connected to a member containing fluid under pressure, a cap threaded to the base plate, a diaphragm of resilient material clamped between portions of the base plate and cap and forming a chamber with a part of the base plate with which the port is in communication, whereby the diaphragm is held expanded by the pressure, an angle arm connected with the diaphragm, a contact carried by the free end of the said angle arm, a plug threaded in a hole in the cap, a flexible arm connected with the inner end of the plug, a second contact carried by the inner end of the flexible arm, said arm and contact being located between the first-mentioned contact and the diaphragm, whereby when the diaphragm contracts due to low pressure in the chamber formed thereby the two contacts will touch each other and a conductor passing through the bushing and connected with the second contact.

2,188,113
CROSSOVER FOR OVERHEAD TROLLEY SYSTEMS
Richard Roy Holden, deceased, late of Highland Park, Ill., by Bertha Belle Holden, executrix, Highland Park, Ill., assignor, by mesne assignments, to R. Roy Holden, Inc., Chicago, Ill., a corporation of Illinois
Original application July 5, 1934, Serial No. 733,708. Divided and this application April 13, 1938, Serial No. 201,770
4 Claims. (Cl. 191—37)



1. A trolley crossover having runners thereon at an angle to each other and a unitary movable member normally positioned in a lower inactive position, said member being mounted so as to be capable of movement in directions upwardly and sidewardly so as to be moved into operative position adjacent to and in substantial alignment with either of said runners by contact of a current-collector therewith for guiding a current-collector from or to said runners, said crossover being provided with a slot having two portions extending at an angle to each other, means on said movable member for co-operating with said slot to guide said movable member to position adjacent either of said runners upon contact of a current-collector therewith, said movable member being so shaped and positioned that a current-collector passing along either runner will be guided onto said movable member when the latter is in said inactive position.

2,188,114
SURFACE CLEANER
Don C. Hubbard, Auburn, Maine
Application April 22, 1938, Serial No. 203,561
4 Claims. (Cl. 15—245)



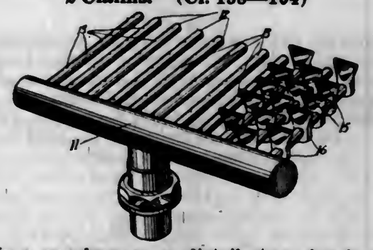
2. A combined shovel and scraper comprising a generally flat blade of elastic material having a relatively thick central portion and front and side marginal portions inclined upwardly and outwardly relative to said central portion and tapered to relatively thin, straight edges disposed above the upper face of said central portion, the upper, rear marginal portion of said blade being disposed above the upper face of said central portion and cooperating with said upwardly and outwardly inclined front and side marginal portions to provide in the top of said blade a pocket to receive and hold matter shoveled onto the blade, and a handle attached to said blade and extending rearwardly from the rear end thereof.

2,188,115
INVESTIGATION OF MATERIALS WITH NEUTRONS
Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
Application March 24, 1938, Serial No. 197,928
In Germany March 25, 1937
7 Claims. (Cl. 250—81)



1. Method of forming a visible image of a beam of slowly moving neutrons which comprises causing the beam to impinge on a layer of a fluorescent substance having associated therewith a thin layer of a material selected from the group consisting of lithium, boron and substances containing atoms of at least one of these elements.

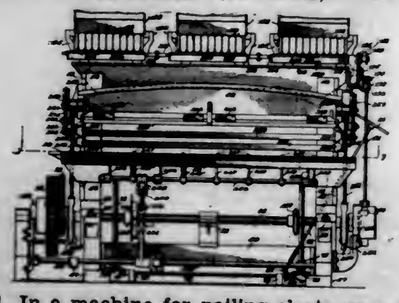
2,188,116
GAS BURNER
John Ernest Neale and Albert Guest, Coventry, England
Application January 23, 1939, Serial No. 252,486
In Great Britain November 24, 1937
2 Claims. (Cl. 158—104)



1. In a gas burner, a distributor pipe in communication with a source of gas supply and having its axis arranged substantially horizontally with a gas escape orifice in the upper portion of said pipe, and a mixer tube having its axis arranged substantially vertically and being of short vertical length, said mixer tube being of a horizontal diameter appreciably greater than the vertical diameter of said distributor pipe, said mixer tube being composed of lower and upper sections, said lower section being substantially cylindrical in form and having diametrically opposite openings in its side wall of a diameter to

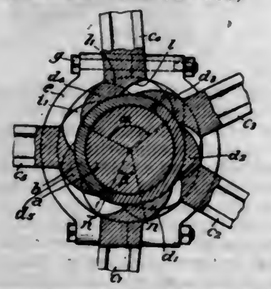
fit snugly over said distributor pipe whereby to leave substantial vertically uninterrupted air passages within said lower section at opposite sides of said distributor pipe, said diametric openings of said lower section being spaced above the bottom edge of said section, said upper section of said mixer tube having flat mutually sloping side walls and a burner slit at the upper ends of said flat side walls, the length of said slit extending at substantially right angles to the axis passing through said diametric openings whereby the end portions of said slit will lie in substantially vertical alinement with the vertical air inlet passages in the lower section.

2,188,117
NAILING MACHINE
Earle V. Patterson, Pittsford, N. Y., and Clarence A. Macy, deceased, late of Rochester, N. Y., by Susan R. Macy, executrix, Rochester, N. Y., assignors to Morgan Machine Company, Inc., Rochester, N. Y., a corporation of New York
Application November 5, 1938, Serial No. 239,164
58 Claims. (Cl. 1—8.1)



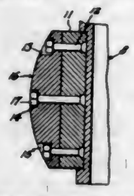
1. In a machine for nailing cleats on a sheet of board material, in combination, a surface having a nailing position, means including a stop for locating a cleat in said nailing position, means including a movable stop for locating a board with its edge in the same vertical plane as the edge of the cleat, means for moving said stop so as to enable the nailing of a cleat on a line remote from the edges of the board, and means for nailing the cleat and the board to each other.

2,188,118
RADIAL CONNECTING ROD ASSEMBLY
August Portmann, Winterthur, Switzerland, assignor to Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland
Application January 9, 1937, Serial No. 119,863
In Switzerland January 11, 1936
3 Claims. (Cl. 74—580)



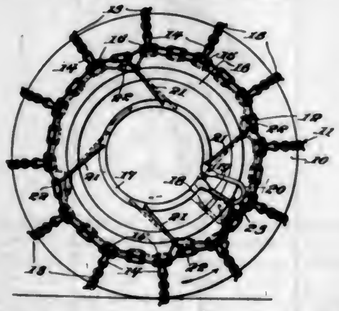
1. In a connection between a pluralty of connecting rods and a single crank pin, the connecting rods being distributed around the circumference of the crank pin in concentric relation to said pin within two complete angular ranges about said pin so as to form two sets of radial connecting rods, sliding pads arranged on the inner ends of said connecting rods, a terminally radially flanged guide sleeve common to both of said radial connecting rod arrangements and having a central radial flange rotatably mounted on said crank pin for said sliding pads to abut against the circumference of said sleeve, the total thickness of said flanges and the double pad width defining the length of said crank pin, and retaining rings encompassing said sliding pads adjacent said flanges for holding said pads to said guide sleeve, and an arcuate tongue and groove connection provided between said rings and said terminal flanges of said sleeve and establishing true radial and axial alignment between said rings and said guide sleeve.

2,188,119
CENTRALIZER AND PROTECTOR FOR AN OIL WELL STRING
Robert B. Prentice, Houma, La.
Application March 3, 1939, Serial No. 259,663
5 Claims. (Cl. 166—4)



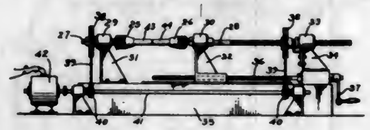
1. In a structure of the class described, an oil well string, said string comprising at least one screen portion and imperforate portions connected to opposite ends of said screen portion, at least one of said imperforate portions comprising string centralizing and protecting means, said means comprising rigidly anchored substantially non-compressible longitudinally curved projections extending radially from the string for engagement with the walls of a casing to protectively space the string therefrom.

2,188,120
TIRE CHAIN TIGHTENER
George K. Smith, Moundsville, W. Va.
Application June 9, 1938, Serial No. 212,810
2 Claims. (Cl. 152—242)



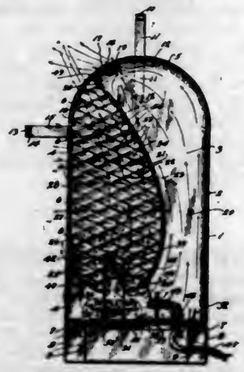
1. A tightener for a tire chain including side chains and cross members, comprising a ring-like member disposed to have one of the side chains concentric thereto, stem hooks loosely connected to the ring-like member at determined intervals thereof and separably engageable with the side chain concentrically disposed to said ring-like member, a loop extending outwardly of the said ring-like member with respect to its outer periphery, and a fastener loosely engaged with said loop and separably engageable with the said side chain for maintaining the stem hooks tangentially with respect to the ring-like member and fixedly holding the tire chain in a tightened condition upon a wheel.

2,188,121
MAKING ARTICLES OF FUSED SILICA
Rowland D. Smith, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application December 11, 1936, Serial No. 115,435
9 Claims. (Cl. 47—78.1)



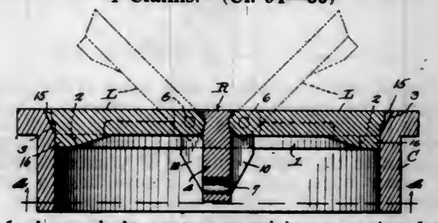
1. The method of making articles of fused silica, which includes depositing finely divided molten silica from a high temperature flame upon the abutting ends of separable baits to form a mass of molten silica adhering thereto and at the same time continuously separating the baits to locally elongate the molten mass and form the article.

2,188,122
ELECTRIC SPACE HEATER
George Steingruber, Shelbyville, Tenn.
Application January 10, 1939, Serial No. 250,202
5 Claims. (Cl. 219—34)



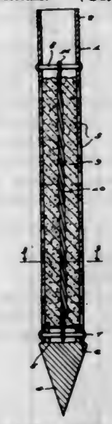
3. A heater of the class described, comprising a casing, a reflector and heater unit mounted within the casing and having a base disposed across the bottom of the casing in spaced relation to the latter and having means for effecting interlocking engagement with the casing at its upper end, said casing being open at its bottom and provided with opposed lateral flanges at its lower end extending inwardly toward and terminating short of the base aforesaid, and spaced retainer bars removably positioned beneath the base and extended across the bottom of the casing, with their opposite extremities operatively engaged with the flanges aforesaid so as to support the reflector and heater unit.

2,188,123
MANHOLE COVER
Martin Swensen and Frank Patterson, Springfield, Ohio
Application October 10, 1938, Serial No. 234,226
4 Claims. (Cl. 94—36)



1. A manhole cover comprising a casing having an inwardly projecting flange provided with openings, a closure comprising a midrail including a body and transverse heads at the ends of the body, the body being provided at its ends with lugs located below the heads, lids having reduced portions received between the heads, pivot elements connecting the reduced portions of the lids with the heads, the lugs being insertible through the openings, and the closure being rotatable to engage the lugs beneath the flange.

2,188,124
PUMP POINT
Benjamin R. Tryce, Greenwood, Del.
Application May 11, 1939, Serial No. 273,154
1 Claim. (Cl. 166—5)

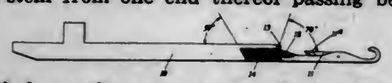


A pump point of the class described comprising a tube having openings therein for the entrance of fluid, a point mounted on one end of the tube and including a tubular neck extending thereinto, a rivet extending through the tube and the neck for securing the point to said tube, a rivet mounted in the other end portion of the tube, a rod of twisted strands of wire mounted longitudinally in the tube and including loops on its ends, the rivets passing through said loops for securing the rod in position in the tube, and a sponge mounted on the rod, said sponge constituting a filtering element for the fluid.

2,188,125
TRANSFER INSTRUMENT
Arthur Wigley, Burbage, England
Application January 23, 1939, Serial No. 252,489
In Great Britain December 30, 1937
2 Claims. (Cl. 66—95)

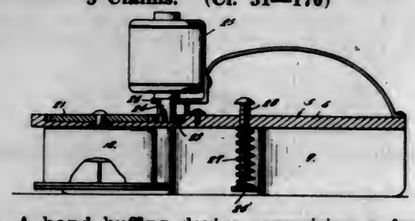
1. A transfer instrument for use in a knitting

machine, comprising a strip-like stem having the material thereof at one edge bulged sideways locally at an intermediate point in its length, a shoulder at said edge on the bulged part, which shoulder is placed to prevent a loop cleared along the stem from one end thereof passing beyond



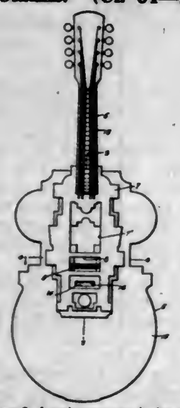
the bulge, and a groove in that flank of the stem whereat the material is bulged sideways, which groove tapers in depth as measured in the direction of the thickness of the stem from a minimum adjacent to the first said edge to a maximum at the other edge, and which groove lies in part nearer to said one end than does the shoulder.

2,188,126
PORTABLE HAND BUFFER
Grover W. Yerkey, Huntington, W. Va., assignor of twenty per cent to Ed. Ball, Burnsville, W. Va.
Application December 6, 1938, Serial No. 244,280
5 Claims. (Cl. 51—170)



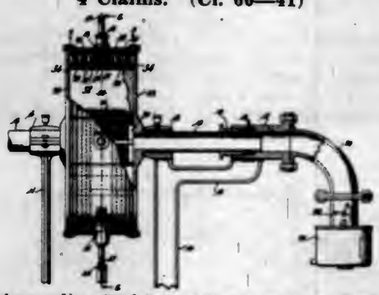
1. A hand buffing device comprising a frame including a top plate and spaced parallel runners pivotally connected to each other, a rotatable buffing element journaled on said frame between said runners, spring means bearing on said top plate and runners for normally maintaining the buffing element inwardly of the bearing edges of the runners, and power means mounted on the frame and connected with the buffing element.

2,188,127
BANJO
Ilario Angeli, Brooklyn, N. Y.
Application August 2, 1938, Serial No. 222,705
4 Claims. (Cl. 84—269)



1. In a musical instrument including a sound box, a neck having a frame formed at its inner end, means carried by said neck and frame providing a mounting for a plurality of strings and means for detachably securing the frame to the box, said last named means comprising a keyhole slot in the box, a headed member carried by the frame slidably engaging the slot and a bolt carried by the frame and having threaded engagement with the box.

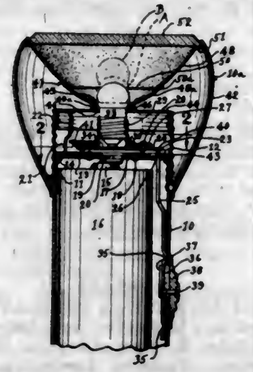
2,188,128
GASOLINE TURBINE
George H. Armstrong, Hempstead, N. Y.
Application November 12, 1937, Serial No. 174,272
4 Claims. (Cl. 60—41)



1. A gasoline turbine of the type described comprising a stationary support, a hollow casing journaled for rotation on said support and having a central inlet chamber for receiving an explosive fuel mixture, a carburetor for feeding a carbureted fuel mixture of gasoline and air to said central inlet chamber, a combustion chamber formed in the peripheral portion of the said casing and defined as to its radial limits by the peripheral wall of the casing and a ring of less diameter than, arranged concentric to and parallel with said wall, said ring having openings in its edges for the passage of the fuel toward said combustion chamber, baffle means defining the axial limits of said combustion chamber and arranged between said admission openings and said combustion chamber, means within said casing for continuously sucking said fuel mixture into the central inlet chamber and for feeding the said mixture to the combustion chamber of the casing, and a plurality of peripheral, tangentially discharging jets communicating with the combustion chamber and through which the gases of combustion are discharged to produce the propelling reaction with the atmosphere.

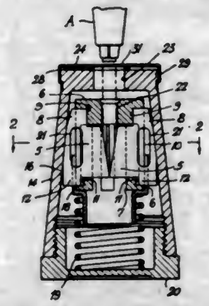
2,188,129
TWO-TONE REFLECTOR FLASHLIGHT
Joseph F. Ayotte, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application July 26, 1937, Serial No. 155,795
2 Claims. (Cl. 240—10.69)

1. In a flashlight, a composite parabolic reflector having an inner portion with a highly polished surface and an outer portion with a mat light diffusing surface, a source of light, shiftable supporting means for supporting the source of light for movement along the longitudinal axis of the reflector into and out of focus therewith, and circuit closing means carried by the shiftable supporting means, said supporting means adapted to be shifted to dispose the source of light at the focal center of the composite reflector and to close the circuit through the source of light to produce a spotlight reflected from the inner highly polished surface portion of the reflector and a surrounding limited illuminated field reflected from the outer mat light diffusing surface portion of the reflector, said supporting means also adapted to be shifted to dispose the source of light outwardly of the focal center of the reflector to produce an enlarged central



light field reflected from the mat outer surface portion of the reflector and a narrow illuminated light field reflected in axially intersecting light rays from a portion of the inner highly polished portion of the reflector.

2,188,130
POINT FORMING DEVICE FOR THE LEADS OF PENCILS AND THE LIKE
Georg Baier and Georg Köppel, Nuremberg, Germany
Application June 26, 1939, Serial No. 281,270
In Germany February 9, 1939
8 Claims. (Cl. 120—92)



1. A pointing device for pencil leads and like rods having an outer housing with an aperture at one end to admit the rod, a floating carrier within said housing and also having an aperture therein to admit the rod, a plurality of pointing blades mounted to slide substantially radially within said carrier and projecting therefrom to contact with the inner walls of the said housing and spring means acting on said blades and carrier to press the blades resiliently against the inner walls of the said housing.

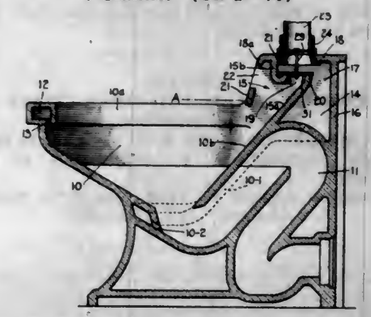
2,188,131
CUTTING ATTACHMENT FOR COMBS
Nathaniel Bois, San Francisco, Calif., assignor to Theresa Silberfeld, San Francisco, Calif.
Application May 17, 1939, Serial No. 274,198
7 Claims. (Cl. 30—30)

1. A hair-cutting attachment for a comb, comprising a plate having hooks formed on the ends thereof for engaging selected teeth to hold said attachment on said comb; and a latch mounted on said plate for holding a razor blade



on said plate with one cutting edge of said blade against the teeth of said comb.

2,188,132
SANITARY APPARATUS WITH VALVED AIR GAP
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application March 17, 1939, Serial No. 262,451
7 Claims. (Cl. 4—70)

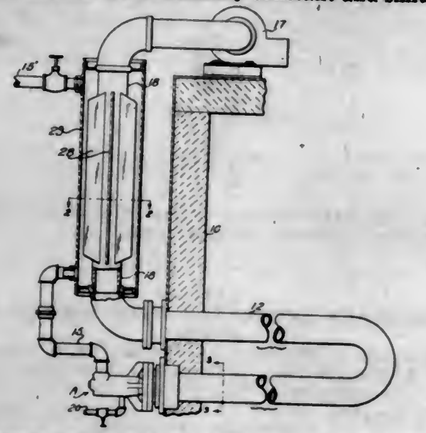


1. In combination with sanitary apparatus, a sanitary receptacle adapted to be flushed; a hollow upstanding portion extending well above the overflow spill level of the receptacle and forming a chamber for the distribution of flushing liquid to the receptacle; inflow means for flushing water communicating with said chamber; a passage opening into said chamber at a location substantially opposite the location of the said inflow means, and extending downwardly into communication with the opening of said receptacle; an air gap communicating with said passage at a location well above the overflow spill level of said receptacle; and valve means disposed between said inflow means and said opening of the passage, said valve means being arranged to normally seat over said opening of the passage, but being adapted to seat over said inflow means by the force of suction exerted within said inflow means.

2,188,133
HEATING APPARATUS
William M. Hepburn, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application November 11, 1937, Serial No. 174,087
4 Claims. (Cl. 126—91)

1. In combination, a fuel-fired radiator tube, a burner firing into the intake end of said tube, a fan at the discharge end of said tube for producing a suction therethrough, and means for maintaining a substantially constant air to fuel weight ratio at the intake end of said tube comprising means for cooling the exhaust gases en-

tering said fan whereby the static suction of said fan will remain substantially constant and simul-



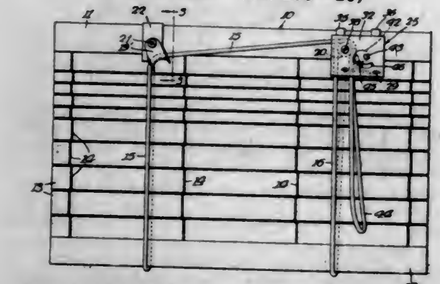
taneously proportionally heating the fuel being supplied to said burner.

2,188,134

PORCH SHADE AND OPERATING MECHANISM

Axel C. Hough, Janesville, Wis., assignor to Hough Shade Corporation, a corporation of Connecticut

Application August 26, 1938, Serial No. 226,916
9 Claims. (Cl. 156—16)



1. A cord lock for cords for porch shades comprising a casing, a roller journaled in said casing over which said cords extend, said roller having a plain peripheral surface and having a hub projection at each side therefor for reducing frictional resistance to the rotation of the roller, and an eccentric gripping member pivoted in said casing and adapted to cooperate with said roller for gripping said cords, and an inverted U-shaped casing for housing said roller and member, said casing having hook members extending laterally for engaging over the upper edge of a head strip to which it is adapted to be attached and a bolt extending axially through said roller for constituting a journal therefor and adapted to extend through said head strip for securing said casing to said strip.

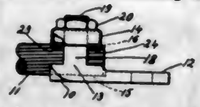
2,188,135

CONNECTOR WITH WASHER CAP

Marvin Lee, Rye, and Julian Rogoff, New York, N. Y., assignors to Burndy Engineering Co. Inc., a corporation of New York

Application June 16, 1937, Serial No. 148,491
4 Claims. (Cl. 173—269)

1. A connector for electric cables comprising a plurality of cable clamping members forming a socket for receiving a cable, one of which is made of sheet metal having a surface upon which the clamping pressure is applied, and integral therewith, a pair of sections extending transversely to



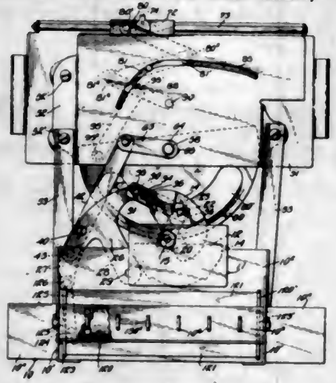
said surface, each terminating in a resilient arm having a cable clamping section extending longitudinally of the cable receiving socket, and means for applying pressure to the surface of the sheet metal cable clamping member for clamping the cable between the members.

2,188,136

VISUAL TUNING INDICATOR

John D. Lindsay, Wilmette, and Edward J. Wiggins and John A. Press, Chicago, Ill., assignors to American Emblem Company, Inc., New Hartford, N. Y., a corporation of New York

Application February 21, 1939, Serial No. 257,646
15 Claims. (Cl. 116—124.1)



1. In electrical apparatus comprising a movable tuning unit, in combination, a driving member for moving said tuning unit, linkage means connecting said member to said tuning unit, an indicator, a dial over which said indicator is movable, linkage means connecting said member and said indicator for simultaneous movement of the latter in synchronism with the movement of said tuning unit, means for moving said driving member, and means associated with said second named linkage means for variably regulating the speed of travel of said indicator relative to the movement of said tuning unit.

2,188,137

METHOD OF HEAT TREATING

Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Mfg. Co., Indian Orchard, Mass., a corporation of Massachusetts

No Drawing. Application August 31, 1938, Serial No. 227,763
2 Claims. (Cl. 148—16)

1. The process of heat-treating chrome-ferritic steels containing a relatively slight amount of nickel if any which consists in, enclosing the steel to be treated in a closed container, heating the steel to a temperature within the range of from 900° F. to 1700° F., flowing ammonia gas from a supply thereof into and through cracking and

catalyzing units and then into said container, continuing the heating of the steel in the presence of the ammonia gas constituents at a temperature within said range for a period of at least one half-hour, then cutting off the flow of said ammonia gas into said container and causing it to flow into and through an ionizing unit and then into said container, and finally heating the steel in the presence of the ammonia gas constituents to a temperature within the range of from 850° F. to 1400° F. for a period of from four to fifty hours.

2,188,138

METAL ALLOY

Vincent T. Malcolm, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass., a corporation of Massachusetts

No Drawing. Application November 30, 1938, Serial No. 243,199
1 Claim. (Cl. 75—126)

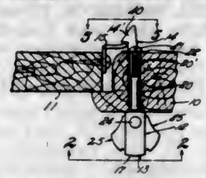
A new low-creep alloy steel containing chromium and carbon and silicon and which is resistant to the action of such corrosive elements as methane, propane, naphthionic acid, and sulphonic acid at high temperatures in the neighborhood of 1200° F. comprising in combination, about 6% chromium, a maximum of .2% carbon, at least 1% and a maximum of 2% silicon, relatively small amounts of both sulphur and phosphorus, the maximum of each being .05%, more than .5% but not more than 2% of vanadium, at least .5% and a maximum of 2% of one of a group including tungsten and molybdenum, and the balance substantially all iron.

2,188,139

DOOR LATCH

Horace H. Raymond, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application January 22, 1938, Serial No. 186,342
4 Claims. (Cl. 292—124)



1. A latch comprising an open sided casing, means carried by said casing for removably securing same to a door, a pin transversely arranged inside the casing and supported by the end walls thereof, a pair of members providing the side walls of the casing, one of said members being pivotally mounted on the pin and movable relative to the other, a latch bar pivotally mounted on the pin and having a part extending out of the casing and a part within the casing, and a spring coiled about the pin and having one end engaging the latch bar within the casing to normally hold it in engagement with the movable wall member, and the other end engaging the other wall member whereby movement of said movable wall member will actuate said latch bar.

2,188,140

CLEANING PREPARATION

Arthur J. Widmer, Webster Groves, Mo., assignor, by mesne assignments, of forty-two one-hundredths to Mary Elizabeth Widmer, Mexico, Mo.

No Drawing. Application May 8, 1933, Serial No. 669,938
4 Claims. (Cl. 87—5)

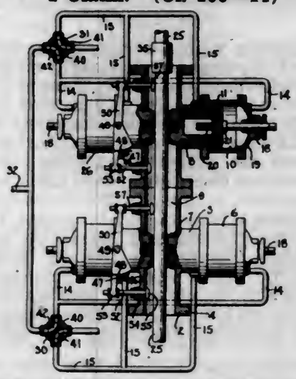
1. A cleaning preparation of substantially dry materials consisting mainly of crushed limestone particles of which upwards of fifty percent by weight are small enough to pass a No. 325 U. S. Bureau of Standards sieve, from five percent to thirty-five percent by weight of said particles being too large to pass a No. 200 U. S. Bureau of Standards sieve, the remainder of said particles being small enough to pass the No. 200 sieve and large enough to be retained on the No. 325 sieve.

2,188,141

TOOL JOINT CONTROL FOR BLOWOUT PREVENTERS

James S. Abercrombie, Houston, Tex., assignor to Cameron Iron Works, a corporation

Application June 10, 1938, Serial No. 212,875
1 Claim. (Cl. 166—14)



A packing device for drill rods, comprising a well casing and a drill rod adapted to operate therein, said drill rod being composed of a plurality of separate sections with joints between the sections of larger diameter, pairs of oppositely acting reciprocating packing members having grooves adapted to embrace the drill rods to substantially seal the well casing and fluid pressure operated means including two independently operated sets of plungers for normally maintaining one of said pairs of packing members in engagement with the drill rod and another pair out of engagement therewith, said last means being actuated by contact with said larger diameter joints, and including an arm connecting each set of plungers.

2,188,142

AUTOMOBILE BUMPER MOUNTING

Herman E. Blair, Grand Rapids, Mich.

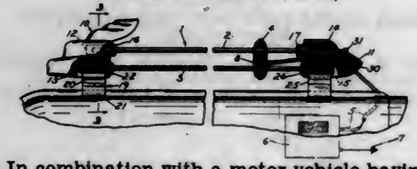
Application February 1, 1939, Serial No. 253,959
4 Claims. (Cl. 293—55)



1. The combination with the frame of a vehicle, of a bumper for said vehicle, including rearwardly extending attaching arms, pivotally connected to the frame at a point spaced from the outer end of said frame and freely swingable up and down to out of the way position, and a yoke-shaped latching means pivotally mounted

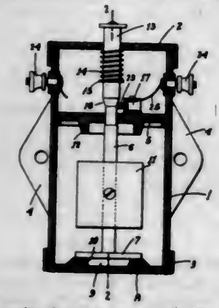
on each arm and adapted to be swung over the end of the frame for releasably securing the arms in rigid parallel relation with said frame.

2,188,143
ANTENNA DEVICE
James D. Border, Detroit, Mich., assignor to Associated Spring Corporation, Bristol, Conn., a corporation of Delaware
Application May 17, 1937, Serial No. 143,175
1 Claim. (Cl. 250—33)



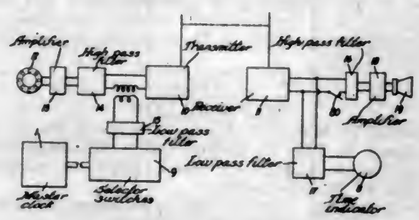
In combination with a motor vehicle having an engine hood having an elongated member extending longitudinally thereof, a radio receiving antenna mounted on said vehicle and overlying and directly attached to said elongated member, said antenna comprising spaced supporting members, at least one elongated antenna rod having its ends attached to and insulated from said supporting members, spring clip devices connected to said supporting members and extending from the lower portions thereof and releasably engaging the elongated member to thereby attach the antenna to the engine hood, an electrical contact member slidably mounted on said antenna rod, and an electrical connection between said contact and radio receiving apparatus carried by the vehicle.

2,188,144
CIRCUIT BREAKER FOR MOTOR VEHICLES
Frank A. Eytman, Turlock, Calif.
Application April 22, 1938, Serial No. 203,563
4 Claims. (Cl. 200—52)



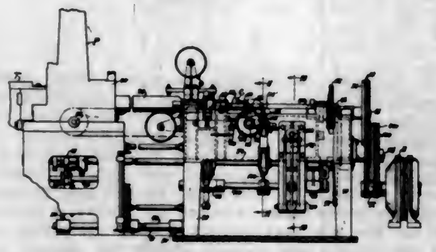
1. In a circuit breaker including a pair of normally engaged but separable contact points, one of said contact points being mounted on a movable horizontal arm, a cam element on the arm, a vertical axially movable spring pressed pin having a bevel portion intermediate its ends and forming a cam surface, said surface being adapted to engage the cam and move the arm horizontally in a direction to separate the points upon lowering movement of the pin, and a tiltable unit disposed below the pin and including a normally upstanding stem; said stem when in an upstanding position, releasably engaging the lower end of the pin and holding the same in a raised position with the cam free of said cam surface, the stem releasing the pin upon tilting of the unit under the influence of an impact shock.

2,188,145
REMOTE INDICATING SYSTEM
Samuel G. Frantz, Princeton, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 21, 1932, Serial No. 634,107
Renewed June 19, 1937
7 Claims. (Cl. 58—24)



2. In a radio receiver adapted to receive a radio wave modulated simultaneously by audio and a plurality of sub-audio components, said sub-audio components comprising a first group of frequencies chosen from a second group of possible frequencies, the choice of the first group being related to the time by an arbitrary code; a sound reproducing device and a time indicating device, said devices being responsive, respectively, to the audio and sub-audio components of modulation of the received wave, said time indicating device comprising a group of vibratory elements mechanically tuned to respond selectively to the different sub-audio frequencies, a motor element for impressing vibrational forces on said group of elements and means whereby the motion of a plurality of said elements is caused to give a time indication.

2,188,146
MACHINE FOR MANUFACTURING BRAKE SHOE INSERTS
William S. Fraula, Suffern, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del., a corporation of Delaware
Application June 8, 1937, Serial No. 147,026
15 Claims. (Cl. 100—31)

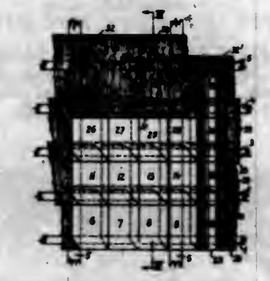


1. In a machine of the class described, means for severing blanks from sheet material, receiving means on which the severed blanks are deposited, means for lowering the receiving means from an initial blank receiving position and for restoring such means to such position and operable to lower the receiving means in an amount substantially equal to the thickness of the blanks intermediate passage of the blanks thereto whereby neat stacking of the blanks one upon the other on said receiving means is insured, and means for removing the blanks from said receiving means after a predetermined number of blanks have been stacked thereon, the means for lowering and restoring the receiving means

operating to restore the receiving means to its initial blank receiving position after the means for removing a stack of blanks therefrom has removed such a stack of blanks.

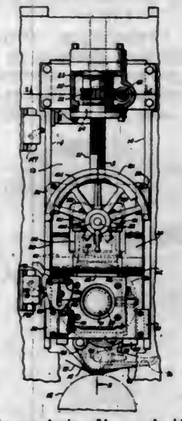
15. In a machine of the class described, a conveyor, severing means, operating means for said severing means, means for effecting cyclic operation of said machine and including means for controlling the operation of said operating means and operable to effect a plurality of operations of said severing means in each cycle of operation of the machine whereby said severing means cuts a plurality of blanks in each cycle of operation, means for collecting and depositing such plurality of blanks on the conveyor, said cyclic operation effecting means including means for imparting a step by step movement to said conveyor, the means on said cyclic operation effecting means operating to advance said conveyor once in each cycle of operation of said machine whereby each plurality of blanks severed in each cycle of operation of the machine is deposited in spaced relation with each other on said conveyor, other means on the cyclic operation effecting means for operating the collecting and depositing means, and tying means positioned along the path of travel of said conveyor away from said severing means and operable to apply binding means on the stacks of blanks positioned on said conveyor, said tying means being arranged to dispose the binding means in the path of travel of the stacks of blanks on said conveyor whereby the binding means are drawn over opposite sides of a stack of blanks on said conveyor in the step by step movement of the conveyor, said tying means also including means for severing the binding means from supplies thereof in the machine and for securing said binding means on the stack of blanks about which the binding means have been drawn across the stacks and also operating to dispose said binding means in position for engagement with the succeeding stack of blanks, said cyclic operation effecting means also including means for controlling operation of said tying means.

2,188,147
ROOF COVERING
Theodor Greis, Cologne-Dellbruck, Germany
Application July 7, 1936, Serial No. 89,409
In Germany July 10, 1935
6 Claims. (Cl. 108—10)



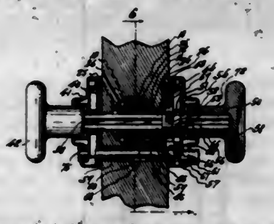
5. A roof covering consisting of a series of separate shingles with packings in the joints between the shingles, said packings consisting of shaped members formed of glass fibers having a curly structure forming a matted-like wadding to provide said shaped members, said shaped members packing the joints and projecting therefrom to substantially cover the inner faces of the shingles and insulate portions of the inner faces of the shingles.

2,188,148
ROTARY PRINTING PRESS
Charles Alonzo Harless, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application April 19, 1935, Serial No. 17,182
Renewed June 24, 1939
32 Claims. (Cl. 101—247)



29. In a rotary intaglio printing press, a design cylinder, a main sliding head, an impression roll carried thereby, an auxiliary head having a limited sliding movement in the main head, a back-up roll carried by the auxiliary head, means acting through the auxiliary head and back-up roll for bringing the impression roll into coaction with the design cylinder with printing pressure, and means for automatically limiting the printing pressure.

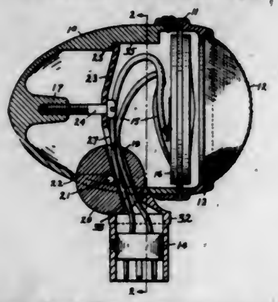
2,188,149
DOOR LATCH MECHANISM
Fred Kaiser, Brooklyn, N. Y.
Application July 11, 1939, Serial No. 283,749
8 Claims. (Cl. 70—147)



6. A door latch mechanism comprising, a casing, a latch bolt and actuating means therefor housed by said casing, an exterior knob spindle operatively engaged with said latch bolt actuating means, an interior knob spindle aligned with said exterior spindle, cooperative clutch elements joining said spindles, said clutch elements having normally spaced apart cooperating clutch shoulders on diametrically opposite sides thereof whereby an initial rotative movement of said interior spindle in one direction or the other precedes transmission of its continued movement to said exterior spindle, a movable lock means operative to lock said exterior spindle against manipulation, a rotative cam plate actuated by said interior spindle and operative to move said lock means from locking to released position prior to transmission of interior spindle movement to said exterior spindle, means operative from the inside of a door served by said latch

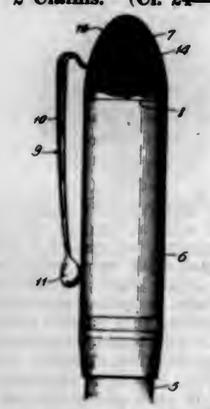
mechanism for manually setting said lock means in locking position, and key receiving means at the outside of said door whereby a key inserted therein may be utilized to return said lock means from locking to released position.

2,188,150
SUPPORT FOR MICROPHONES AND THE LIKE
Frank J. Malat, Youngstown, Ohio, assignor to Astatic Microphone Laboratory, Inc., Youngstown, Ohio, a corporation of Ohio
Application December 30, 1937, Serial No. 182,512
11 Claims. (Cl. 248—291)



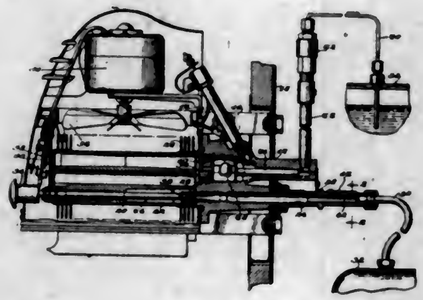
10. Means pivotally supporting a casing comprising a fixed member, a slot in said casing for the free passage of a portion of said member into and out of said casing, means within said casing to pivotally engage said portion when the same is inserted through said slot to pivotally mount said casing on said member, and means within said casing to resiliently engage said member, said last mentioned means being operative to frictionally resist rotational movement between the casing and the fixed member.

2,188,151
PEN AND PENCIL CLIP
Clinton E. Marshall, Bronx, N. Y.
Application November 21, 1938, Serial No. 241,511
2 Claims. (Cl. 24—11)



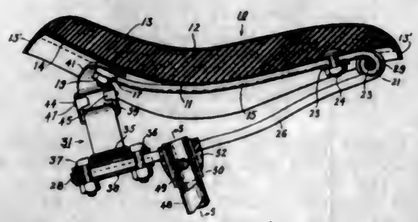
1. A spring clip of the character described adapted to be used in connection with the solid body portion of a support, said clip comprising an elongated strip of metal having an upper mounting end portion and a lower free end portion, said mounting end portion comprising a reverse curve in said strip at the upper extremity of said clip forming the resilient spring portion thereof, and an integral mounting plate extending substantially at right angles to the free end portion of said clip and arranged below said upper extremity of the clip, said plate being pointed to provide forcible pierce mounting of said plate into a support, means on said plate engaging the support to retain the same against accidental displacement therefrom, said plate joining the curved end of the spring arm in stop shoulders limiting inward movement of the plate in said support, said last named means comprising a resilient prong pointed in the direction of said stop shoulders.

2,188,152
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application January 6, 1938, Serial No. 183,598
9 Claims. (Cl. 237—12.3)



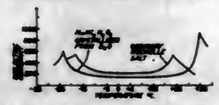
3. In an automobile heater of the internal combustion type, the combination of a combustion chamber, means to supply a combustible mixture of fuel and air to said chamber, means to ignite the mixture in said chamber, a radiator receiving products of combustion from said combustion chamber, a conduit connected to said radiator and leading to the intake manifold of the engine, means to admit a restricted amount of atmospheric air for mixture with the products of combustion flowing through said conduit, and means for controlling the operation of said air admitting means incidental to the operation of the heater.

2,188,153
RESILIENT SUPPORT FOR SADDLES
Henry Mesinger, Mount Vernon, N. Y.
Application June 1, 1936, Serial No. 82,689
3 Claims. (Cl. 155—5.20)



1. In a bicycle saddle supporting structure the combination comprising a seat, a longitudinally disposed frame hingedly connected to the front portion of said seat, resilient members secured to the rear portion of said frame and extending laterally thereof, and resilient brackets secured to the under side of the rear portion of said seat and yieldably connected to the outer end portions of said resilient members.

2,188,154
PIEZOELECTRIC SUBSTANCE AND PROCESS FOR PRODUCING IT
Stanley O. Morgan, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 4, 1938, Serial No. 223,017
10 Claims. (Cl. 171—327)

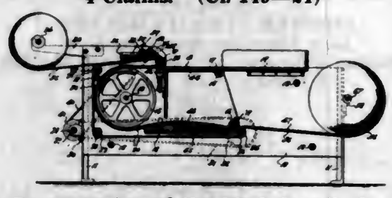


2. A piezoelectric material comprising a crystalline element of sodium potassium tartrate crystallized from a deuterium oxide solution.

2,188,155
METHOD OF ANNEALING STEEL
Peter Payson, New York, N. Y., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 8, 1938, Serial No. 244,586
10 Claims. (Cl. 148—21.5)

1. A method of annealing steel to produce a substantially non-lamellar structure therein, which comprises: heating the steel above the critical temperature at which austenite begins to form until all lamellar structure initially present has disappeared, the maximum temperature of said heating being, however, below temperature for which a lamellar structure is again unavoidably obtained on slow cooling below said critical temperature, cooling the steel to the temperature range just below said critical temperature within which the steel converts into a relatively soft, substantially non-lamellar mixture of ferrite and carbides; holding within said range until said conversion is complete; and thereafter cooling the steel to room temperature.

2,188,156
APPARATUS FOR MOUNTING FUR UPON A CARRIER SHEET
Robert H. Plass, Upper Montclair, N. J.
Application August 8, 1939, Serial No. 288,930
4 Claims. (Cl. 149—24)



1. In apparatus of the kind described, a conveyer belt and a presser apron supported and driven so that portions of the courses thereof run in opposed contiguous relation, means to supply a run of carrier sheet material for engagement between opposed courses of said belt and apron, means to apply an adhesive coating to that face of said carrier sheet material which is to run in opposition to said conveyer belt when said carrier sheet material passes between the latter and said presser apron, and said conveyer belt having an exposed receiving course operative to carry fur pieces applied thereto in pieced together assembled relation into engagement with the adhesive coated face of the carrier sheet material while passing with the latter between the opposed sources of said belt and apron.

2,188,157
TOY MUSICAL INSTRUMENT
Gustav Proelsdorfer, Newark, N. J.
Application April 18, 1939, Serial No. 268,498
2 Claims. (Cl. 84—375)



1. In a toy musical instrument, a tubular body comprising concentric outer and inner portions, the outer portion having longitudinally spaced vents pierced therethrough, the inner portion having an outwardly open seating channel means, a reed plate having air passage slots and vibratory reeds affixed thereto with their free ends registered over said slots, said reed plate being seated in said seating channel means so as to be held thereby flatly and closely contiguous to the under side of said outer portion with its slots and reeds closely underlying the vents of the latter, and said seating channel means having an opening in the bottom thereof for communicating air from the tubular body interior to said air passage slots of said reed plate.

2,188,158
SCREW DRIVER
George L. Rock, North Adams, Mich.
Application March 3, 1937, Serial No. 128,830
18 Claims. (Cl. 145—54)

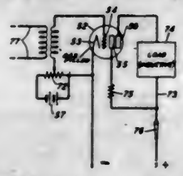


13. A spiral screw driver comprising a handle, a rotatable member adapted to receive a driving bit, a plurality of separate spiral members selectively connected to said rotatable member for selectively rotating said member in either direction, and a common spiral member secured to said handle for operating both said first mentioned spiral members.

2,188,159
GAS-FILLED SPACE DISCHARGE TUBE CIRCUITS
George H. Rockwood, Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 27, 1937, Serial No. 171,250
In Great Britain May 21, 1937
2 Claims. (Cl. 250—27)

1. In combination, a gaseous conduction device having a cathode, a grid and a plurality of anodes, a potential source for supplying a difference of potential between said cathode and said anodes, a second potential source, a grid circuit for supplying a certain potential from said second source to said grid, a load circuit of relatively high inductance connected in circuit with one of

said anodes, a second load circuit of relatively low inductance connected in circuit with another of said anodes, means inductively associated with said grid circuit for causing a sufficient change in the potential supplied to said grid to cause said

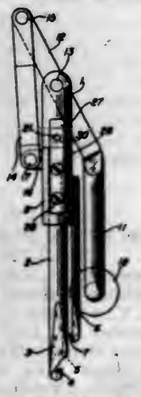


device to break down to provide a discharge path for current between said cathode and said second-mentioned anode and means effective after establishment of said path for causing transfer of said discharge path from said second anode to said first-mentioned anode.

2,188,160
COLORATION OF ARTIFICIAL TEXTILE AND OTHER MATERIALS
James Henry Rooney and Bernard Shaw, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 2, 1937, Serial No. 167,038. In Great Britain October 9, 1936
4 Claims. (Cl. 8—4)

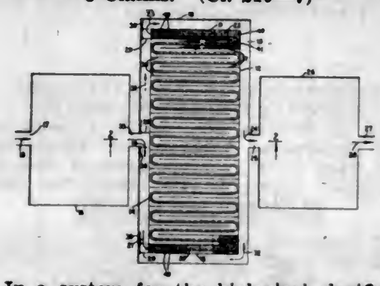
1. Process for the coloration of artificial ribbons, foils, films and other materials having a basis of organic derivatives of cellulose and containing a plasticizer therefor, which comprises treating the materials in a medium comprising a saturated aqueous solution of the plasticizer present in the materials and containing a dyestuff for the materials.

2,188,161
BOX CLOSING TOOL
Alfred L. Rosenmund, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application March 16, 1938, Serial No. 196,161
10 Claims. (Cl. 140—123)



1. A tool for closing the lid of a wirebound box having loop fasteners on the front and lid sections respectively, comprising a hooked member to engage one loop fastener, a notched member to engage the other loop fastener, and means to cause relative movement between said members to draw one loop fastener through the other loop fastener.

2,188,162
SEWAGE TREATMENT
Henry B. Schulhoff, New Brunswick, N. J.
Application February 21, 1938, Serial No. 191,654
3 Claims. (Cl. 210—7)



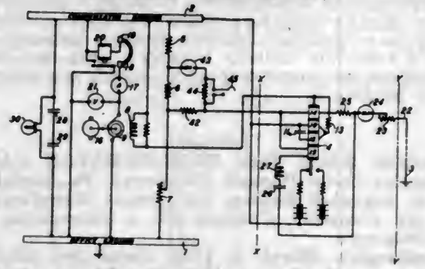
1. In a system for the biological clarification and purification of sewage by the action of aerobic bacteria and by the contact-aeration method, a tank; means including an inlet and an outlet for said tank for permitting sewage to be flowed therethrough while maintaining the sewage at a predetermined depth therein; an aerobic-bacteria-colonization structure incorporating contact walls for said bacteria the surfaces of which provide a collection of channels open from end to end and extending generally in an up and down direction, on which surfaces and within said channels said colonization occurs; supporting means for fixing said structure in the tank at a level such that the bottoms of said channels are above the bottom of the tank and the tops of said channels are below the top of the sewage so as always to maintain the sewage below, above and within said channels; and means for repeatedly breaking up the sewage and so successively bringing different parts of the sewage into special intimate adjacency to the bacteria in said colonies, and for at the same time activating the bacteria by aeration while preventing such agitation of the sewage adjacent to said colonies as to break up the same by dislodging the slime accumulated therewith, said structure having its walls so shaped and spaced that said channels are substantially straight and parallel and of substantially constant cross-section from end to end, said last-named means including means for discharging compressed air in finely divided condition into the sewage near the bottom of the tank and at a point to one side of said structure relative to the direction of flow of sewage through the tank between its inlet and outlet.

2,188,163
SHOWER CURTAIN HOLDER
Jack Sherman, Brooklyn, N. Y.
Application February 13, 1939, Serial No. 256,125
3 Claims. (Cl. 156—20)



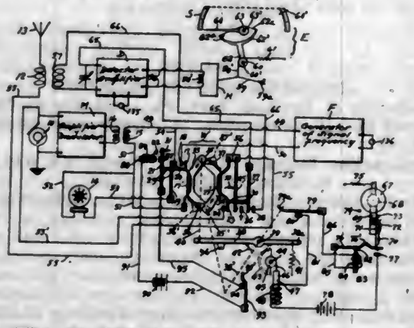
1. In a shower-bath curtain installation, a curtain rod, means for preventing displacement of the curtain from its operative position when stretched into said position, said means comprising a plurality of upright rods, each terminating at its upper end in a curtain-rod-engaging portion slidably mounted on the curtain rod, means for detachably securing said upright rods to the curtain, a clamp on the curtain rod for each of the upright rods, a reduced part on each of the upright rods adjacent the curtain-rod-engaging portion, and rod holders on the clamp having side openings therein and having an inner diameter substantially equal to the unreduced portion of said curtain-rod-engaging portion, said curtain-rod-engaging portion preventing all movement of the rod except upward and disengaging movement thereof when the reduced portion of an upright rod is passed through the side opening of a holder and then moved downward to arrange the unreduced part of the rod in said holder.

2,188,164
GROUND POTENTIAL COMPENSATOR
Carleton B. Sutliff, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1939, Serial No. 257,267
3 Claims. (Cl. 178—69)



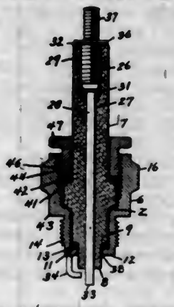
1. A ground potential compensating system comprising a ground connection, a compensated ground connection and a distant ground connection, a generator connected between said ground connection and said compensated ground connection for maintaining said compensated ground connection at the same potential as said distant ground connection, a pilot wire from said distant ground connection to the circuit arrangement at said ground and said compensated ground, and a relay connected between said three ground connections for controlling said generator.

2,188,165
RADIO SYSTEM
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1937, Serial No. 142,546
2 Claims. (Cl. 235—52)



2. The combination of a plurality of broadcasting stations each thereof having an electrical measuring device and means for transmitting a characteristic control signal apart from the broadcast program, operable means acting upon operation to hold the control signal transmitting means energized for a predetermined period of time, a plurality of radio receivers each thereof being tunable to any one of said broadcasting stations and including means automatically settable upon receipt of the characteristic control signal from the station to which the receiver is tuned, to transmit for a certain predetermined time period a signal characterized to indicate the receipt of said characteristic control signal, means at each of said broadcasting stations for receiving the indication signals sent out by those receivers which are tuned to receive signals from the broadcasting station and means at each of said broadcasting stations for energizing said measuring device in accordance with the indication signals received whereby the measuring device at any one of the broadcasting stations gives an approximate indication of the number of receivers which are tuned to that station at the time of transmission of the control signal therefrom.

2,188,166
SPARK PLUG
George S. Weinerth, Reading, Pa.
Application December 13, 1938, Serial No. 245,368
2 Claims. (Cl. 123—169)



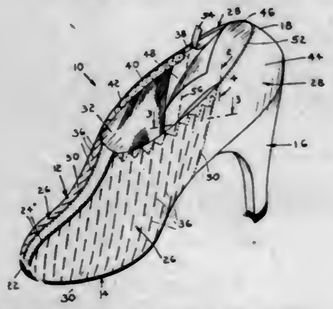
1. A spark plug having a metallic shell, a single piece insulator having a central hole through same, a positive electrode adapted to be passed through the hole in said insulator in order that its substantially pointed firing end may extend outward from said insulator, said shell having an internal shoulder, a reduced end on said insulator passing through and in close proximity to said shoulder, the inner face of said shoulder having a depth not greater than the thickness of any longitudinal part of said shell, and a substantially pointed ground electrode connecting said shell and extending from one side of and beyond the end of said insulator.

2,188,167
COMPOSITION FOR APPLICATION TO TEXTILES
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 20, 1936, Serial No. 106,565
2 Claims. (Cl. 134—23)

1. An aqueous composition for use in sizing yarns containing organic derivatives of cellulose, said composition comprising from 10 to 15 parts by weight of gelatin, from 0.5 to 2 parts by weight of a water-soluble resin comprising an

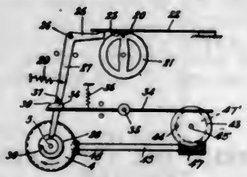
ester of a water-soluble polyhydric alcohol with boric acid, from 1 to 3 parts by weight of a substance selected from the group consisting of sulphonated vegetable oils and sulphonated higher fatty alcohols, and water in an amount sufficient to make up the sizing composition.

2,188,168
SHOE
Mabel Winkel, New York, N. Y.
Application September 3, 1938, Serial No. 228,360
1 Claim. (Cl. 36—45)



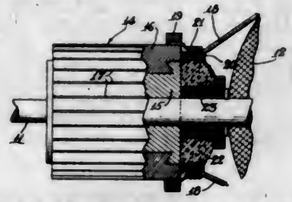
In a shoe, an upper having a vamp comprising a lining of elastic fabric and an outermost layer of normally inelastic shoe upper material, such as leather, secured to said lining, said exposed layer having a multiplicity of relatively short slits formed therein and arranged in a plurality of rows so that said outermost layer can stretch and contract with said lining thereby forming with the latter composite elastic shoe upper material, said vamp of composite elastic shoe upper material extending along the sides of the shoe from the bottom of the shoe to the edge of the upper at the foot opening whereby to permit expansion and contraction of the upper in the vamp portion thereof and at the front and sides of the foot opening, and quarter sections of inelastic shoe upper material joined to said vamp.

2,188,169
TIME MEASURING MECHANISM
Alfred Wiedemeier, Zug, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application June 3, 1936, Serial No. 83,176
In Switzerland June 15, 1935
6 Claims. (Cl. 58—26)



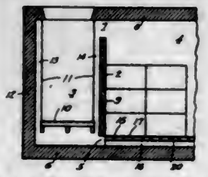
1. In a time measuring mechanism employing a synchronous motor and an auxiliary time measuring device having an escapement, a synchronous motor having a rotor axially movable relatively to the field, means acting to move the rotor axially from the field on line pressure drop, a releasing device for said escapement, means for actuating said device to release the escapement, and means rotatable with the rotor and brought into position to operate said escapement releasing device by axial movement of the rotor.

2,188,170
ARMATURE
Hugo M. Zschau, Chicago, Ill., assignor to Wodack Electric Tool Corporation, Chicago, Ill., a corporation of Illinois
Application May 22, 1939, Serial No. 274,905
4 Claims. (Cl. 171—206)



1. In a rotatable armature for a dynamo electric machine embodying a plurality of windings and a rotary connecter connected to such windings by end connections extending between the windings and the rotary connecter, a retainer arranged to encircle said end connections for preventing their displacement radially of the armature due to centrifugal force, and means including an expansible resilient member disposed on said armature radially inward of said end connections for pressing the same snugly out against the binding.

2,188,171
FLOOR RACK FOR REFRIGERATOR CARS
Charles David Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 3, 1938, Serial No. 193,742
9 Claims. (Cl. 105—375)

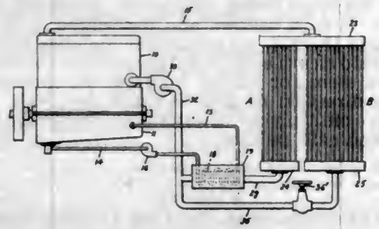


1. In a refrigerator car, the combination of an insulated floor, a foraminous floor, a plurality of parallel stringers supporting the foraminous floor above the insulated floor to provide a space between said floors, and means to induce an air current in said space, said foraminous floor comprising a plurality of perforated metallic panels with a margin of each panel underlying a margin of an adjacent panel and secured thereto, the underlying margin of each panel formed with a flange, said flanges extending between and secured to said stringers.

2,188,172
HEAT TRANSFER SYSTEM
Frederick H. Brehob, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 6, 1937, Serial No. 119,277
9 Claims. (Cl. 123—196)

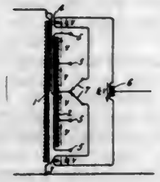
1. In combination, an apparatus including oil and cooling water circulating systems, a heat exchanger, means for conducting oil back and forth between the heat exchanger and the apparatus, a radiator comprising a single inlet header and a pair of outlet headers, the connections between said headers forming separate radiator portions of which one is constructed and arranged

to operate at a lower temperature than the other, means for conducting water from the apparatus to the radiator inlet header, means for conducting water from the outlet header of the higher tem-



perature radiator portion to the apparatus, and means for conducting water from the lower temperature radiator portion to the heat exchanger and thence to the apparatus.

2,188,173
TRANSFORMER TAP CHANGING CIRCUIT
Ralph B. Carson, Toronto, Ontario, Canada, assignor to General Electric Company, a corporation of New York
Application February 11, 1939, Serial No. 255,952
2 Claims. (Cl. 171—119)



1. In combination, a transformer provided with a winding having a plurality of spaced taps between any electrically adjacent pair of which there is the same potential difference, a mid-tapped reactor, switching means for selectively connecting the ends of said reactor to the same or different ones of said taps, and means for inserting between each end of said reactor and said switching means separate potentials equal respectively to one-quarter of the potential between said taps, the relative polarities of said separate potentials being such that the potential of said reactor is one-half the potential between said taps regardless of whether said switching means connects the ends of said reactor to the same or to adjacent taps.

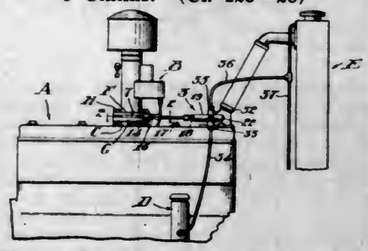
2,188,174
PNEUMATIC TIRE
Martin Castricum, Grosse Pointe, and Francis C. Kennedy, Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 28, 1937, Serial No. 145,226
3 Claims. (Cl. 152—359)

1. In a pneumatic tire, a carcass embodying a plurality of plies of twisted artificial silk strain resisting elements, and strata of vulcanized rubber composition intermediate and bonded to the plies of strain resisting elements, said strain resisting elements each being of a gauge less than .024 inch and having a tensile strength of at least 2.21 grams per denier and being composed of a plurality of filaments twisted and then plied together, the individual twists being of the order of 7, 18, and 10 turns per inch, and the



number of strain resisting elements forming the principal plies being at least 32 per inch.

2,188,175
CARBURETOR ATTACHMENT FOR INTERNAL COMBUSTION ENGINES
Robert J. Condon, Hollywood, Calif.
Application June 28, 1938, Serial No. 216,263
9 Claims. (Cl. 123—25)

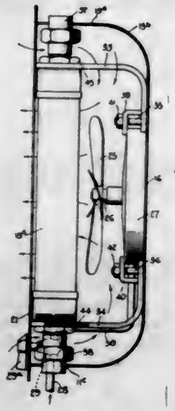


1. The combination with a combustion engine power plant including a fuel intake, a carburetor connected to said intake, a crank case, and a water containing radiator, a valve housing formed with an elongated bore having an end outlet and a side inlet port connecting with a dual inlet, a conduit leading from said outlet to said fuel intake, a conduit leading from the upper portion of said crank case to one of said dual inlets, a conduit leading from above the water level in said radiator to the other of said dual inlets, a tubular valve in said bore slidable longitudinally thereof, a spring in said housing yieldably holding said valve in a position closing said inlet port, said valve being arranged to move to an open position in opposition to said spring under the urge of suction induced in said fuel intake; said valve being formed with a circumferential channel intermediate its ends having a series of apertures in its bottom wall leading to the interior of the valve, said channel being arranged to be positioned to uncover said port when said valve is moved in opposition to said spring.

2,188,176
THERMAL UNIT
Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application May 31, 1935, Serial No. 24,283
1 Claim. (Cl. 257—137)

In a thermal unit embodying a casing having

a front opening and provided with a rear closure, a heat exchanger disposed within said casing and arranged for the passage of thermal fluid therethrough and having a facial area less than the front opening of the casing thereby providing channels for the inflow of air and a motor-driven fan for enforcing a circulation of air into heat exchange contact with said heat exchanger, means wholly supported by said rear closure to afford definite positioning and positive securement of said heat exchanger and said fan motor, said means including brackets having spaced



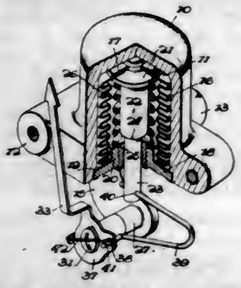
arms secured to said rear closure and arranged mutually to cradle said fan motor in definite position on said rear closure, clamping means arranged to cooperate with said arms in holding said fan motor against said rear closure, a spaced, forwardly projecting arm integral with each of said first-mentioned arms, arranged in combination to embrace said heat exchanger, and locking means arranged to secure the positioning of said heat exchanger with respect to said forwardly projecting arms and in its channel-forming position with relation to the casing.

2,188,177

PRESSURE INDICATING DEVICE

John E. Dube, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware

Application February 23, 1937, Serial No. 127,220
8 Claims. (Cl. 73—110)



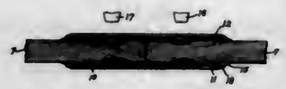
5. In a device of the character described, in combination with a frame, a dial carried thereby, and a pivotally mounted pointer cooperating with said dial, a chamber provided in said frame, a bellows reentrantly arranged within said chamber and having its outer end hermetically sealed to said chamber to form an expansible and collapsible space therebetween, an inlet for pressure fluid to said space, a stem connected to the movable end wall of said bellows, a sleeve on said frame projecting inwardly with respect to said bellows and associated with the fixed end thereof, an adjustable member mounted on said sleeve and cooperating with a shoulder on said stem for rigidly limiting the movement in one direction of said movable end wall, and motion multiplying mechanism between said stem and said pointer.

2,188,178

CONNECTOR FOR SECTOR CONDUCTOR CABLES

Eugene D. Eby, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application September 16, 1938, Serial No. 230,259
5 Claims. (Cl. 174—90)



5. Means for uniting adjacent ends of spirally arranged stranded conductors of non-circular cross-section where the adjacent ends of a pair of such conductors may occupy different angular positions, one with respect to the other, due to the spiral arrangement, comprising parts each having a preformed bore of non-circular cross-section of a size and shape to receive and hold conductor end, the angular position of each part being fixed and determined by that of the conductor contained therein, a connecting means for the parts, there being cylindrical engaging surfaces between at least one of the parts and the means whereby the parts may be united without changing the respective angular positions of the parts and means, and indents in the parts and connecting means which force metal thereof into the strands of the conductors.

2,188,179

METHOD FOR IMPROVING THE FLAVOR OF COFFEE

Gwynne Evans, St. Louis, Mo.

No Drawing. Application June 22, 1939, Serial No. 280,523
4 Claims. (Cl. 99—65)

1. The method of treating a batch of coffee comprising a mixture of coffee berries of substantially different qualities to impart to the resultant product a substantially uniform taste characteristic throughout the batch, the same consisting in bringing together a lot of berries known to have been substantially exposed to the natural violet rays of the sun and other berries known not to have had similar exposure or for other reasons to be of relatively inferior quality, intimately mixing the two grades of berries, dispersing the mixture to present the same in relatively thin layer formation, and subjecting said layer to the influence of ultra-violet rays for a period of approximately 3½ to 6 minutes, thereby reducing any chlorogenic acid content to a negligible quantity and irradiating the entire batch to a substantial degree above said natural irradiation of the first-mentioned lot of berries, whereby the whole will have an equivalent treatment by violet rays and coffee abstracted anywhere from the batch will possess substantially identical taste.

2,188,180

EXPANDED FARINACEOUS CEREAL AND PROCESS OF MAKING THE SAME

Clarence E. Felt and Louis J. Huber, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

No Drawing. Application July 14, 1938, Serial No. 219,159
6 Claims. (Cl. 99—82)

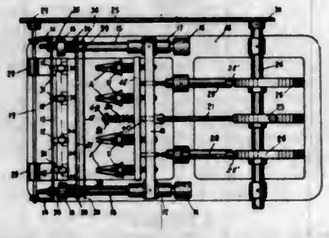
1. An edible cereal product formed from a blended, partially expanded mixture of farinaceous material, wheat germ and bran, the wheat germ serving to lubricate the bran and farinaceous material during the expansion of the farinaceous material, and the bran serving to furnish moisture which is converted into steam during the expansion of the farinaceous material thereby facilitating the expansion thereof.

2,188,181

FRUIT PITTING MACHINE

Giovanni Frova, Milan, Italy

Application April 27, 1938, Serial No. 204,500
In Italy June 3, 1937
4 Claims. (Cl. 146—17)



1. In a fruit-pitting machine having a frame and a rotatable shaft mounted thereon with at least one cam fixed on said shaft, a reciprocating member upon said frame carrying radially expansible pit extracting pincers, and a cross plate mounted on said frame having an aperture formed therein defining the area in or adjacent to which a fruit is to be pitted, the combination of a slidable plunger having fruit centering means projecting longitudinally therefrom capable of projecting the fruit against said pincers and centering the same with respect to the pincers, resiliently mounted means capable of oscillating with respect to the plane of said cross plate and serving to stop said fruit during the pitting operation so as to facilitate extraction of the pit, pincer operating means cooperating with said cam and opposed by spring means for controlling both the gradual opening and sudden closing and the timing of the operation of said expansible pincers and means upon said cam including a profile portion causing once every revolution thereof the sudden operation of said pincer operating means so as to cause a converging snapping radial movement of said extracting pincers in order to cut clean radial cuts into said fruit.

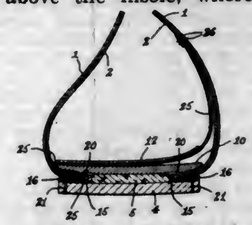
2,188,182

ARCH SUPPORTING SHOE

Horace Parker Gould, Boston, Mass.

Application November 18, 1938, Serial No. 241,109
1 Claim. (Cl. 36—71)

A shoe of the kind described, having an insole formed with a slot widthwise thru said insole along the arch portion, a band of elastic material extending thru said slot and having one end secured to the insole and the opposite end secured under tension to the upper materials substantially above the insole, whereby a lifting



yielding action is exerted on the foot-contacting part of the insole at the slotted portion.

2,188,183

ELASTIC WOOLEN FABRIC

Richard Grosser, West Englewood, N. J., assignor of thirty-three and one-third per cent to William L. Morris, New York, N. Y.

Application May 26, 1937, Serial No. 144,913
4 Claims. (Cl. 139—421)



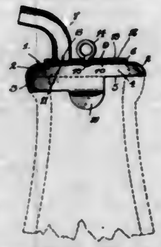
4. A weft-wise elastically stretchable fabric, consisting of three systems of weaves, one system being a 2 up—2 down face twill and the other two systems being 3 up—1 down back weaves, one at least of which back systems is composed of elastic threads, said systems being combined into a composite system having filling and weaving orders as follows: a back pick 2 up—1 down—1 up, the next a face pick 2 up—2 down, the next a face pick 1 down—2 up—1 down, the next a back pick 1 down—3 up, the next a face pick 2 down—2 up, the next a face pick 1 up—2 down—1 up, and the seventh a face pick 2 up—2 down; said succession, to wit, one back pick, then two face picks, then one back pick, and then three face picks, being indefinitely continued in a development of said weaving orders, in which development corresponding points of weft and warp interlacings, in each of said three systems therein, have a progressive one-warp shift in a common weft-wise direction, viewed from one pick to the next succeeding pick of the same system, for a repeat of the composite system in every 28 picks.

2,188,184

POURING CAP FOR MILK BOTTLES

Franklin S. Hogg, New York, N. Y., assignor to Hogg Manufacturing Co., Inc., New York, N. Y.

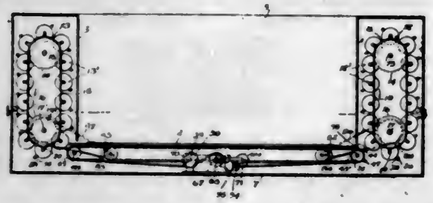
Application January 6, 1938, Serial No. 183,620
1 Claim. (Cl. 215—76)



A pouring cover for milk bottles, comprising a circular cap having a depending marginal flange to fit the head on the milk bottle neck opening,

the major portion of said flange being of greater depth than the remainder, clamping detents positioned at the ends of the major portion of said flange and extending below the flange, the central portion of said cover being struck up to form a valve chamber, a pouring spout mounted thereon, a circular valve fitting the chamber openings through the cover, one opening communicating with the spout and the other forming an air vent, openings in the valve registering with the openings in the cover, and a knob affixed to said valve and projecting through the cap so that the turning of the valve may cause the openings in the cover and in the valve to move in and out of register.

2,188,185
RUG DISPLAY APPARATUS
Job Hutchinson, Great Neck, N. Y.
Application October 14, 1939, Serial No. 299,488
16 Claims. (Cl. 40—84)



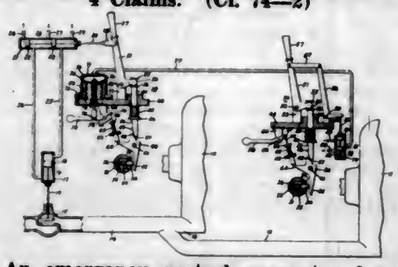
1. A display apparatus for displaying rugs including a casing provided with a back wall, a centrally positioned platform and a compartment at each end of the platform, there being an opening in each compartment in line with the top of the platform, means in each compartment for supporting a plurality of rugs and means alternately moving rugs from the respective compartments on to said platform and from said platform back into the compartments.

2,188,186
DISCHARGE DEVICE
August J. Kling, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 20, 1939, Serial No. 251,979
8 Claims. (Cl. 250—27.5)



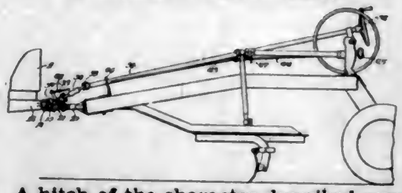
1. An electric discharge device including an envelope which encloses electrode structure, a supply of a substance desired to be introduced into the envelope at a particular time during the fabrication or use thereof, a container having a readily frangible wall part normally isolating the said substance from the interior of the envelope, a temperature responsive member which is deformable upon the application of heat, and a permanent mechanical connection between the said member and said frangible wall part effective upon deformation of the member to fracture the said wall part and thereby to place the said substance in communication with the envelope interior.

2,188,187
EMERGENCY GOVERNING APPARATUS
Paul H. Knowlton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 18, 1938, Serial No. 208,587
4 Claims. (Cl. 74—2)



1. An emergency control apparatus for fluid systems comprising a plurality of tripping devices each including a condition responsive means, a trigger adapted for actuation by said condition responsive means, a manually operable trip lever for actuating said trigger, and a spring biased actuating means adapted to be released upon actuation of said trigger, an emergency control lever actuable by the spring biased actuating means of one of said plurality of tripping devices, and means responsive to the actuation of the trigger of the other of said tripping devices for actuating the trigger of said one device, said last mentioned means adapted to preclude resetting of said emergency control lever until the other tripping devices have been reset.

2,188,188
HITCH FOR ROAD GRADERS AND THE LIKE
James Markoe, St. Paul, Minn., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application October 28, 1937, Serial No. 171,425
2 Claims. (Cl. 280—33.10)

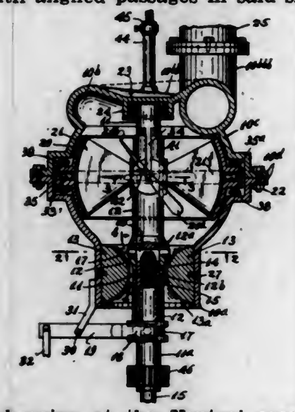


1. A hitch of the character described comprising an angle member, one arm of said angle member having a portion thereof bent at an obtuse angle, regularly spaced openings in the last mentioned portion of said arm, a bracket slidably mounted on said angle member, means for moving said bracket relative to said angle member and means for holding said angle member and said bracket in predetermined positions, the last mentioned means comprising a pin mounted on one of said members and capable of being passed through a hole in one of said members and into a stop opening in the other of said members.

2,188,189
COMBINATION CARBURETOR AND SUPERCHARGER
Edmund Miller, Jr., Bayside, N. Y.
Application July 26, 1939, Serial No. 286,618
9 Claims. (Cl. 261—89)

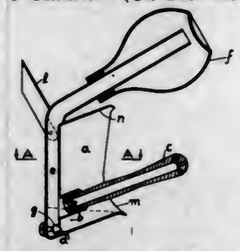
1. A combination carburetor and supercharger, comprising a hollow body having a tubular axial

inlet and a spiral outlet, a shaft rotatively supported axially through said body, a sleeve mounted on said shaft and keyed thereto to slide longitudinally, a Venturi restriction in said inlet, a complementary Venturi projection on said movable sleeve coacting with said restriction, gas and air tubes mounted through said shaft and connecting with aligned passages in said shaft and



sleeve discharging at the Venturi area, means for longitudinally moving said sleeve, a fan shell housing rotatively supported in said hollow body intimately adjacent the side wall thereof, fan blades pivotally mounted between said housing and shaft and in transverse positions adapted to substantially close said hollow body, and means for changing the pitch of said fan blades controlled by longitudinal movement of said sleeve.

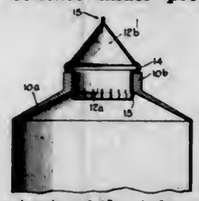
2,188,190
VAGINAL INJECTION APPLIANCE
Georges Moos, Zurich, Switzerland
Application March 17, 1937, Serial No. 131,421
In Switzerland March 22, 1936
8 Claims. (Cl. 128—251)



1. A vaginal injection appliance for use in supine position comprising a tip adapted to be inserted into the vagina, a suction pipe, a pump and a liquid container with the suction pipe secured to its front portion and communicating with said container, the said suction pipe extending above the said liquid container and carrying a rubber bulb, the said suction pipe being provided with a connecting piece for connecting said pipe with said tip.

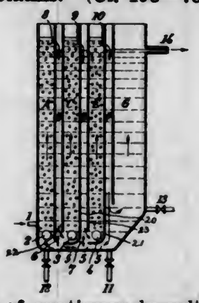
2,188,191
HERMETICALLY SEALED AUTOMATIC CLOSURE FOR COLLAPSIBLE TUBES AND THE LIKE
Wendel V. Roos, New York, N. Y.
Application February 21, 1939, Serial No. 257,569
4 Claims. (Cl. 221—60)

1. For use with a container having a discharge nipple, discharge means comprising a body portion terminating in opposingly related resilient flattened areas, the face portions of said resilient flattened areas normally engaging one another in face to face contact under pressure, normally



sealing the contents of the tube, and under pressure on the contents of the tube to be displaced relative to one another to provide a path of flow for the discharge therethrough of the contents of the tube.

2,188,192
METHOD OF AND APPARATUS FOR FERMENTING SOLUTIONS
Heinrich Scholler and Max Seidel, Solln, near Munich, Germany
Application April 27, 1937, Serial No. 139,152
In Germany May 4, 1936
11 Claims. (Cl. 195—78)

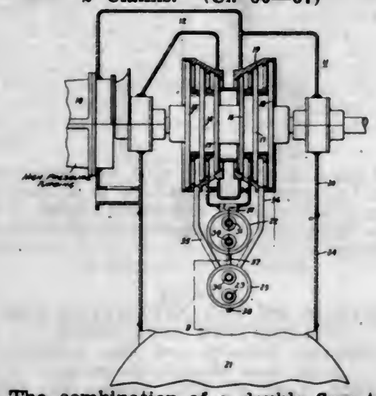


10. A process of continuously cultivating yeast comprising circulating a nutrient solution in an alternate ascending and descending path, aerating said solution to maintain the yeast in suspension in the nutrient solution until the latter is fermented, conducting the nutrient solution and yeast suspended therein in an ascending path, settling at least a portion of the yeast in the said last ascending path, supplying at least a portion of the settled yeast and a portion of the consumed nutrient solution with fresh nutrient solution to the initial ascending path and continuously removing the remaining part of the consumed nutrient solution with a reduced content of yeast.

2,188,193
FERMENTATION PROCESS OF TREATING SUGAR WORTS
Heinrich Scholler, Munich, Germany
No Drawing. Application March 1, 1938, Serial No. 193,260. In Germany March 23, 1936
9 Claims. (Cl. 195—11)

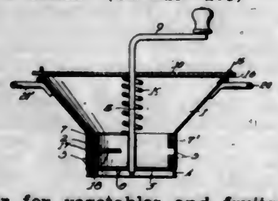
6. A process which comprises treating cellulose with dilute acid by percolation under pressure, separately collecting portions of the wort successively yielded by the said dilute acid treatment of said cellulose, the first portions collected being rich in pentoses and containing some hexoses, converting the hexoses in said first portions into alcohol by yeast fermentation, and fermenting the pentoses in said first portions with pentose-fermenting micro-organisms.

2,188,194
ELASTIC FLUID TURBINE PLANT
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 26, 1938, Serial No. 210,203
2 Claims. (Cl. 60—67)



1. The combination of a double flow turbine having two halves each forming a plurality of stages and an exhaust casing surrounding the two halves and having an extension for receiving exhaust fluid from the two halves, a surface type heat exchanger including a drum supported on the extension and located in the dead space thereof at right angle to the axis of the turbine, and conduit means for conducting equal amounts of heating fluid from intermediate stages of both halves to the heat exchanger.

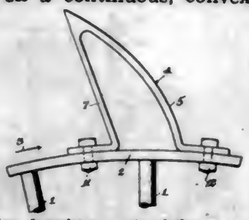
2,188,195
STRAINER FOR VEGETABLES AND FRUITS
Paul Jean Alfred Vanoenacker, Jemappes, Belgium
Application March 4, 1937, Serial No. 128,955
In Belgium March 12, 1936
1 Claim (Cl. 146—175)



A strainer for vegetables and fruits, having a receptacle with perforated bottom and perforated vertical cylindrical walls, a rotatable crushing member mounted concentrically in said receptacle and comprising several blades in the form of propeller and acting on the bottom of the said receptacle, said blades being provided, at their exterior side, near the wall of the receptacle, with a ledge standing vertically, the distance between the ledge and the wall of the receptacle increasing in the direction of rotation of the crushing member and means for rotating the crushing member.

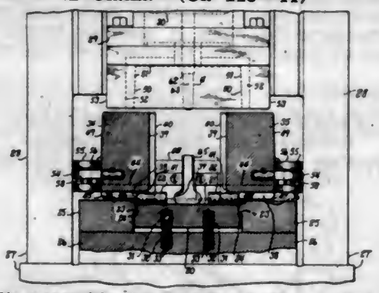
2,188,196
TRACTION LUG
John A. Wanek, Giltner, Nebr.
Application March 29, 1938, Serial No. 198,635
1 Claim. (Cl. 301—44)

A device of the character described comprising a wheel having a rim and a plurality of spaced lugs secured to the outer surface of said rim and extending generally radially therefrom, each lug consisting of a body with flanges through which securement to the rim is had, said body being straight transversely of the wheel and having a forward face originating at one of the flanges and struck on a continuous, convex curvature,



said body also having a straight rear face originating from the other flange and merging with said forward face to provide a sharp tip, said rear face being stationed at an acute angle to a radial plane extended to said tip and being pitched in the direction of said forward face so that the base portion of said rear face falls within the confines of said forward face and said radial plane.

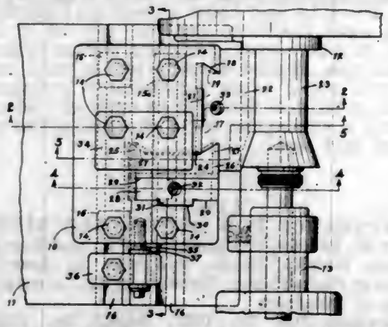
2,188,197
DIE ASSEMBLY FOR FORMING HOLLOW METAL ARTICLES
Frans B. Wendel, Long Island City, N. Y.
Application May 11, 1937, Serial No. 141,936
1 Claim. (Cl. 113—44)



A die-assembly for forming hollow metal articles comprising: three complementary die-units which together provide connecting laterally-closed guide- and deflecting-channels, two of said die-units being movable relatively toward and from one another and each having a sloping locking-surface; locking-means movable in a path transverse to the said path of movement of the said two die-units and straddling the latter, the said locking-means having sloping locking-surfaces engageable with the said sloping surfaces of the said two die-units to lock the latter against movement relatively away from one another; and the third die-unit engageable with both of the said two die-units and movably mounted to be shiftable in a path transverse to the said path of movement of said two die-units; and means for shifting said third die-unit.

2,188,198
TOOL POST CONSTRUCTION
William C. Bredenbeck, Cleveland, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1938, Serial No. 241,749
3 Claims. (Cl. 82—36)

1. A lathe tool embodying a cutter, a beveled tenon thereon tapered outwardly and downwardly from the upper face of the cutter, a holder for said cutter having a slot therein and a tapered recess in the face thereof, a tapered, beveled ledge defining one of the walls of said recess and constituting a side wall of a mortise for the re-

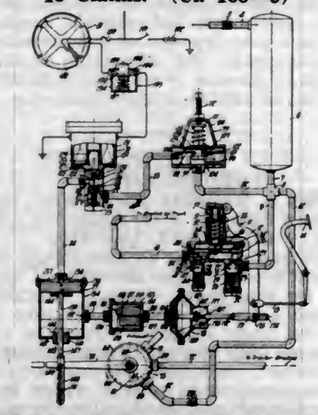


ception of said tenon, a block in said slot, a beveled, tapered ledge thereon constituting the opposed side wall of said mortise, a wedge in said slot engageable with said block for effecting the impinged engagement of the tapered ledge of the block with the cutter tenon, and a jack screw in said cutter for effecting the adjustment thereof.

2,188,199
PLASTIC COMPOSITION
Arthur John Phillip Care, Toronto, Ontario, Canada
No Drawing. Application June 29, 1937, Serial No. 150,993
3 Claims. (Cl. 106—34)

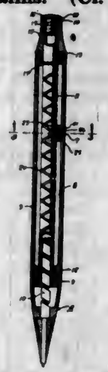
1. A composition of matter comprising a substantially homogeneous mixture containing from 65% to 75% calcined gypsum, 3% to 6% disintegrated sulphite pulp, and 2% to 5% diatomaceous earth.

2,188,200
AUTOMOBILE AND TRAILER BRAKE CONTROL MECHANISM
Raymond E. Cox, Oakland, Calif., assignor of one-fourth to Otto C. Elmstedt and one-fourth to Walter N. Basham, both of Oakland, Calif.
Application November 25, 1938, Serial No. 242,322
15 Claims. (Cl. 188—3)



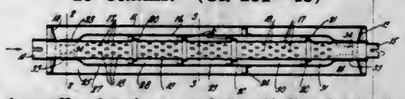
1. A brake control system for a propelling vehicle and a trailing vehicle comprising, a steering wheel, an electric switch contact member mounted for gripping with said wheel, brakes and operating means therefor on said propelling vehicle, brakes for said trailing vehicle and operating means therefor separate from said first means, an electrically operated means for effecting operation of said second and first means in successive order named, and an electric circuit connecting said contact member and said third means for automatically operating same upon release of said wheel and contact member.

2,188,201
MEASURING INSTRUMENT
Richard O. Diedrich, Menomonie, Wis.
Application December 9, 1937, Serial No. 178,950
10 Claims. (Cl. 33—141)



1. A measuring instrument of the character described comprising: a hollow barrel; a longitudinal scale carried by the barrel; an indicator movable along the scale; a traction wheel adapted to be rotated by engagement of the periphery of the wheel with a surface and movement of the instrument bodily over the surface; and a shaft having crossed right and left threads connected at their ends and engageable by a part on the indicator and connected with said traction wheel for translating continuous rotation of the traction wheel into an uninterrupted motion of the indicator back and forth along the scale.

2,188,202
MUFFLER
Roy J. MacKenzie and Lucien L. Haas, Buffalo, N. Y., assignors to Buffalo Pressed Steel Company, Buffalo, N. Y.
Application May 3, 1934, Serial No. 723,735
15 Claims. (Cl. 181—48)



1. A muffler having a substantially straight unobstructed passage therethrough for gases and sound waves, said passage having apertures therein, a chamber receiving gases and sound waves from said passage through said apertures, means for deflecting gases entering into said chamber in a direction substantially tangential with regard to said passage, and a second chamber having a reduced neck for receiving sound waves from said first chamber in a direction substantially perpendicular to said tangential direction, and having no direct communication with said passage, said reduced neck being of smaller cross sectional area than the cross sectional area of said first mentioned chamber.

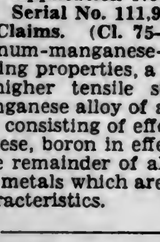
2,188,203
ALUMINUM BASE ALLOY
William E. Mansfield, Garfield Heights, Ohio
No Drawing. Application November 20, 1936, Serial No. 111,907
6 Claims. (Cl. 75—138)

1. An aluminum-manganese-boron alloy having better casting properties, a finer grain structure and a higher tensile strength than an aluminum-manganese alloy of a similar composition, said alloy consisting of effective amounts up to 5% manganese, boron in effective amounts up to .5% and the remainder of aluminum and any other metal or metals which are not subversive of the above characteristics.

2,188,204
BITUMINOUS MIXTURE
Henri Marc, Cincinnati, and Harold W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application January 24, 1936, Serial No. 60,636
7 Claims. (Cl. 134—51)

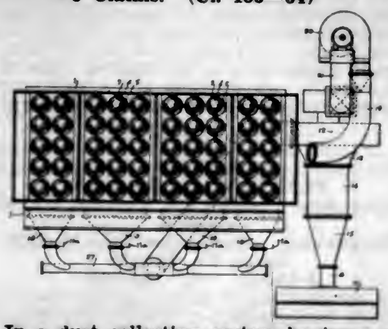
1. A bituminous composition comprising about thirty-five (35) to seventy-five (75) percent bituminous base composed predominantly of asphalt having a softening point from about 150 to 300° F. and a low temperature susceptibility factor, a petroleum solvent, and from a fraction of one (1) to fifteen (15) percent of dipentene for decreasing the viscosity of and retaining the composition substantially at the decreased viscosity, and about one (1) to ten (10) percent resin derived from cumene and indene to prevent gelation of the base, thereby providing a solution in which the bituminous base does not liver or become gelatinized.

2,188,205
FLOATING TOOL HOLDER
Horace A. Osborne, Racine, Wis., assignor, by mesne assignments, of two-fifths to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application September 30, 1937, Serial No. 166,499
4 Claims. (Cl. 279—16)



4. In a floating tool holder, the combination of a housing provided with a shank adapted to be secured in a chuck or the like, said housing being provided with an axial bore having an opening at its lower end for passage of a tool shank, and said housing having in said bore a pair of annular centering surfaces, a floating collet in said housing comprising a metal member having an axially extending bore for receiving the shank of a tool, means for securing said shank in said bore, said collet having a pair of axially spaced, annular, tapered centering surfaces located to engage the annular centering surfaces carried by said housing, and universal driving means for connecting the inner end of said collet to said housing, whereby the collet is adapted to be automatically centered by said annular surfaces and tapered surfaces upon removal of any axial thrust on the tool carried by said collet, and said collet is adapted to have full lateral and annular floating movement while being driven by said housing upon the application of an axial thrust to the tool carried by said collet, said bore in said housing having cylindrical portions located at each end of said collet, and said collet being substantially cylindrical, with a cylindrical flange at its inner end adapted to have a substantial fit in the cylindrical portion of said bore.

2,188,206
APPARATUS FOR DUST COLLECTION
Henry W. Pfeffer, Philadelphia, Pa., and Harry O. Danz, Detroit, Mich., assignors to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application July 21, 1937, Serial No. 155,404
6 Claims. (Cl. 183—34)

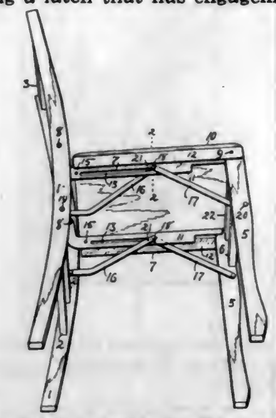


1. In a dust collecting system having a main passageway for the flow of gas, a primary separator comprising a plurality of sections in said passageway, each of said separator sections having means for conveying away purified air, a concentrate outlet for the fluent dust connected to the outlet end of each separator section, a secondary separator, a duct connecting the concentrate outlet of each primary separator section to said secondary separator, means for returning purified gases from said secondary separator to said main passageway; said system characterized by the provision of a separate means located in each duct between the concentrate outlet of each primary separator section and said secondary separator for regulating the amount of fluent dust passing from each primary separator section to said secondary separator.

2,188,207
FOLDING CHAIR
William C. Rastetter, Fort Wayne, Ind.
Application June 18, 1937, Serial No. 148,993
1 Claim. (Cl. 155—141)

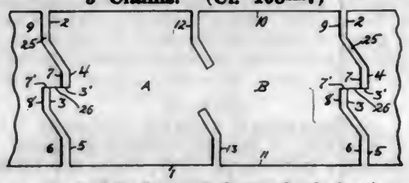
A folding chair having an assemblage of parts constituting a rear frame providing a back and rear legs for said chair, a group of other parts constituting a foreleg assemblage, links for the sides of the chair hingedly connected at their opposite ends with said rear frame and the foreleg assemblage, said links having longitudinal guide-slots the forward ends of which have upturned continuations constituting termini, the rear portions of said links having latch-openings therein, toggles for each side of the chair consisting of arms pivotally connected together by

corresponding bolts that extend through the guide-slots in said links respectively, said toggles having pivotal connections respectively with the rear frame and the foreleg assemblage, one of the arms of each toggle having a protuberance constituting a latch that has engagement in the



slot or the latch-opening in the corresponding link accordingly when the chair is unfolded or folded, adapted to yieldingly retain the folding parts of the chair structure in their unfolded and folded positions, and a seat-plate secured directly on and supported by said links.

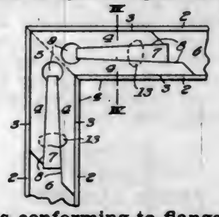
2,188,208
SHINGLE
Walter M. Relue, Jr., Fort Wayne, Ind.
Application July 20, 1939, Serial No. 285,564
3 Claims. (Cl. 108—7)



1. A dual shingle unit formed of sheet material, having made therein between its ends recesses extending from its upper and lower edges the inner ends of which are divergently opposite respecting each other, their inner ends terminating at points suitably spaced apart so that the end portions of the unit are integral, one end of said unit being shaped to have a top extending portion, an intermediate extending portion, an intermediate recess and a bottom recess, the opposite end of said unit being shaped to have a bottom extending portion, an intermediate extending portion, an intermediate recess and a top recess, the upper edge of one of said intermediate portions and the lower edge of the other intermediate extending portion being horizontal, alined with each other and located substantially midway between the upper and lower edges of said unit.

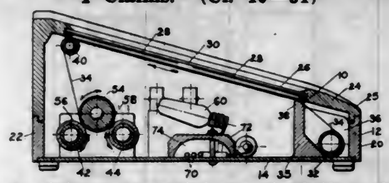
2,188,209
MEANS FOR CONNECTING FRAME MEMBERS
Henry J. Sharp, Avalon, Pa., assignor of one-half to Charles M. Clarke, Sewickley, Pa.
Application July 28, 1938, Serial No. 221,759
8 Claims. (Cl. 189—36)

6. A joint forming member for connecting the meeting ends of flanged framing sections consisting of a thin flat metal bridge plate having terminal pairs of spaced apart arms with outer



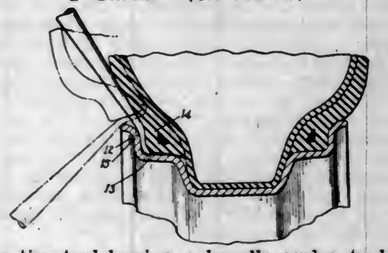
bearing edges conforming to flange alinement of the framing sections and inner cam bearing seats, and an intervening separating cam member engaging said seats.

2,188,210
MANUSCRIPT MANIPULATING DEVICE FOR SPEAKERS
Russell Follett Smith, Providence, R. I.
Application September 13, 1938, Serial No. 229,712
4 Claims. (Cl. 40—31)



4. A strip manuscript manipulating device, comprising a casing, a cover for said casing having a window therein, means adjacent one end of said casing for rotatably mounting a roll of strip manuscript, two slightly longitudinally spaced friction drive rolls rotatably mounted transversely of the opposite end of said casing, means to drive said friction drive rolls at constant speed, and a weighted take up roll adapted to have said strip manuscript wound thereon resting on said drive rolls to be frictionally driven thereby.

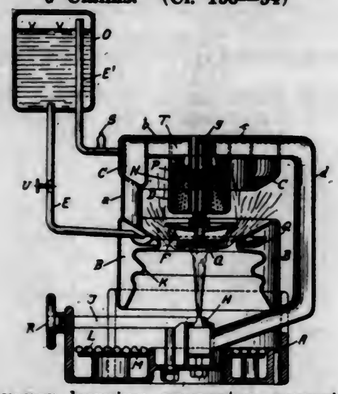
2,188,211
TIRE TOOL
John J. Tilson, Rittman, Ohio
Application April 30, 1937, Serial No. 139,901
1 Claim. (Cl. 157—6)



The tire tool having a handle and a tool-end tapered therefrom to the tip of the tool, said tool-end having a curved lip of comparatively short radius thereon at the extreme end of the tool on one face thereof, the curvature of said lip substantially equalling the curvature of the outer periphery of a tire rim flange, said tool-end having a saddle of comparatively long radius adjacent said end of the tool on the other face thereof, said lip being formed as a reversely bent extension from said saddle so as to be offset below the axis of the tool in tire-removing operations

and above the axis of the tool in tire replacing operations, and said saddle being adapted to fulcrum on a rim flange during a tire-removing operation and to seat a bead therein during a tire-replacing operation, said lip being so short as to engage just under the outer side edge only of a tire bead and out of tube-pinching relation with the inner side edge thereof during a tire-removing operation and to fulcrum on said rim flange during a tire-replacing operation.

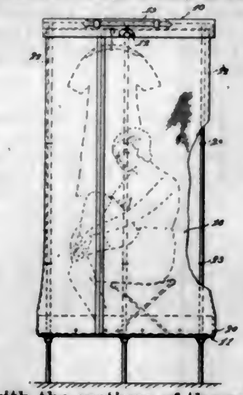
2,188,212
VAPOR BURNER
Fritz Wernli, Oberrieden, near Zurich, Switzerland
Application December 28, 1936, Serial No. 117,961
In Switzerland October 6, 1936
6 Claims. (Cl. 158—54)



1. A vapor burning apparatus comprising a lower bowl portion, a nozzle with an opening widening towards its end mounted thereon, a sliding valve member controlling the nozzle opening, a lower vaporiser housing disposed above the lower bowl portion and having a sinuous inner wall, an apertured oil distributing trough within said lower vaporiser housing, a super-heater housing arranged centrally above the lower vaporiser housing in the direct path of the burner flame, conduits extending from the lower vaporiser housing to the super-heater housing and from the super-heater housing to the burner nozzle, an apertured distributing trough within said super-heater housing, a chamber divided off from said super-heater housing beneath said trough, a rod adjustably carried by and extending downwardly from the super-heater housing, a burner plate and a flame distributor both carried by said rod, a fuel reservoir disposed at a higher level than the remainder of the said apparatus, a conduit extending from the fuel reservoir to the lower vaporiser housing and discharging into the apertured distributing trough therein, and a pressure equalising conduit extending between the reservoir and the space occupied by the vaporised fuel.

2,188,213
PORTABLE BATHHOUSE
Abbie Jo Wilson, Orono, Maine
Application June 12, 1939, Serial No. 278,794
4 Claims. (Cl. 135—5)

1. A device of the kind described comprising a sectional case having the sections thereof adapted for partial telescopic interfitting with each other, a hanger rail interiorly of one of said sections of the case and bracketed thereto, a curtain separably engaged with said rail, means for detachably fastening the curtain to the other section of said case, and a plurality of sectional posts

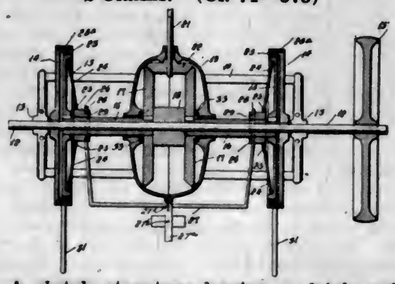


associated with the sections of the case for holding the said sections in vertically separated relation to each other.

2,188,214
ROAD SURFACING
Carl Alexander Agthe, Zurich, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application December 14, 1938, Serial No. 245,770. In Switzerland December 23, 1937
2 Claims. (Cl. 106—32)

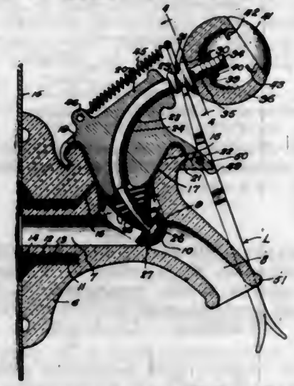
1. A process for stiffening road making layers of small stone and tar, characterized in that a pulverized condensation product obtained by condensing with an aldehyde a pine wood pitch of substantial insolubility in petroleum hydrocarbons, being the residue from the extraction of pine wood oil with a solvent, is added to the road making mixture before or during its laying.

2,188,215
REVERSIBLE POWER CLUTCH
Clarence A. Barber, Gridley, Kans.
Application October 14, 1937, Serial No. 169,036
2 Claims. (Cl. 74—378)



1. A clutch structure having a driving shaft, a gear wheel thereon, a driven shaft having drums thereon, gear wheels meshing with and driven by the first gear wheel, sleeves rotatable on said driven shaft each carrying one of the second mentioned gear wheels, a selectively operable clutch part for each drum fastened on the associated sleeve, manually engageable operating means for the clutch parts to apply one as the other is released, said operating means including collars, one collar being located and slidable on each sleeve between the clutch part thereon and the adjacent second mentioned gear wheel.

2,188,216
FAUCET
Valentine Beecher, Greenville, N. Y.
Application February 4, 1938, Serial No. 188,767
5 Claims. (Cl. 251—24)



1. A faucet comprising a body adapted to be connected to a liquid container and having a passageway provided with a valve seat, a conical bag of elastic material having a hemi-spherical valve secured in its apex end, a cap clamping the base of said bag to said body and separated from said passageway by said bag, a stem mounted to slide in said cap and connected at one end to the hemi-spherical valve, yielding means connected to said stem to hold the bag under tension with the valve thereof holding said apex end in closing position on said seat, and means pivoted to said cap and cooperating with said body for holding said stem in adjusted position in said cap.

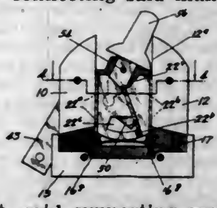
2,188,217
TOOTH BRUSH
William E. Behring, Glendale, Calif.
Application April 21, 1938, Serial No. 203,387
4 Claims. (Cl. 15—138)



1. A fountain brush of the class described comprising a handle portion having a tube receiving socket, a tube therein, a movable cover for closing the socket and retaining the tube therein, the handle having means for receiving the open end of the paste tube, the handle having a passage communicating with said last mentioned means, the handle carrying a brush head, said passage having a discharge port adjacent the brush head, and means controllable by the cover when moved for opening and closing said discharge port.

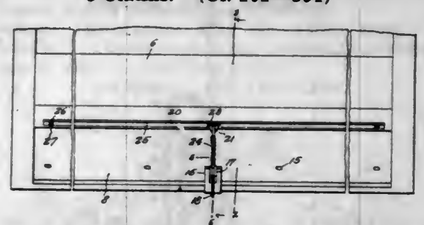
2,188,218
ELECTRIC SNAP SWITCH
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application May 7, 1937, Serial No. 141,372
4 Claims. (Cl. 200—67)

1. In an electric switch, rectilinearly movable supporting means, a movable contact pivotally mounted on said supporting means, a leaf spring engaging and biasing said supporting means in a position to maintain said contact in one or another of two positions, manually operable means for operating the switch, an incompressible member connecting said manual means and



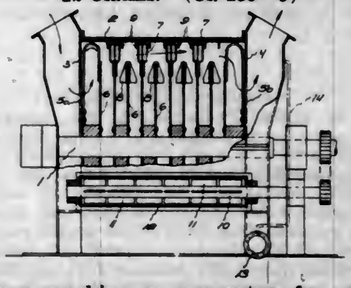
said contact, said supporting means moving in response to movement of said manual means and in opposition to said bias for causing movement of said contact to a new position with a snap when said supporting means reaches the limit of its bias-opposing movement.

2,188,219
INK FEED MEANS FOR PRINTING PRESSES
Otto G. Bushman, Salt Lake City, Utah
Application March 22, 1938, Serial No. 197,520
5 Claims. (Cl. 101—364)



1. In a printing press ink fountain having a bottom sloping toward an ink distributing roller, a member for pressing the ink toward the roller, said member being of plate-like form and extending across the fountain with its lower edge resting on the sloping bottom of the fountain and bodily movable in the fountain toward and away from the roller, a bar connected to the rear portion of said member and extending parallel to the sloping bottom of the fountain and a guide at the rear of the fountain and through which the bar passes.

2,188,220
APPARATUS FOR CONCENTRATING SOLUTIONS, PARTICULARLY BLACK LIQUORS
Carl Thomas Carlson, Alsten, Sweden
Application August 21, 1936, Serial No. 97,260
In Finland November 16, 1935
12 Claims. (Cl. 159—9)



1. In a machine, or apparatus, for evaporation of so called black liquor and the like containing combustible ingredients, a shaft means

adapted to be set into rotational motion, a plurality of disc members mounted in an axially spaced relation on said shaft means and adapted to be set in motion together with the same, shovel means mounted on said disc members and having portions thereof located between said discs and adapted to effect a centrifugal disintegration of a more or less moist mass fed thereon, a housing surrounding said shaft means and disc members and forming an inter-space between itself and the circumference of the disc members, individual scraper means supported on the shaft by means located between the disc members thereon, such scraper means extending radially beyond the circumferences of the disc members and being arranged to perform an inwardly forcing action towards the axis of rotation on the material to be treated, inlet means at one end of said housing, and outlet means at the opposite end thereof, such inlet and outlet means being adapted, besides of the material to be treated, also to convey a flow of hot gases in axial direction through said housing.

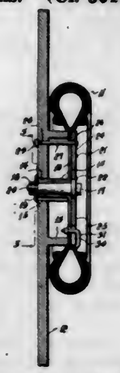
2,188,221

ATTACHMENT FOR TRACTOR WHEELS

Vernon M. Gilkerson, Oakley, Kans.

Application November 24, 1937, Serial No. 176,368

2 Claims. (Cl. 301—38)



1. In combination with a wheel having a pneumatic tire, a disk provided with a central opening adapted to engage the hub of the wheel, an annular flange, formed integral with and projecting outwardly from one side of the disk, to engage the wheel to hold said disk in spaced relationship to the tire, a plate formed of corresponding sections adapted to be positioned on the opposite side of said wheel, and fastening means removably connecting the disk and plate to retain the parts in position on the wheel, said disk being of greater diameter than the tire to engage a supporting surface to prevent sidewise movement of the tire.

2,188,222

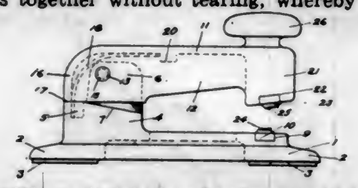
BINDING MEANS

Ralph M. Hibbs, Philadelphia, Pa., assignor of fifty per cent to Stephen E. Lewis, Middleport, N. Y.

Application January 10, 1936, Serial No. 58,573

4 Claims. (Cl. 93—1.1)

1. A device for binding superposed sheets of flexible material together, which device comprises two toothed members, the teeth of which are adapted to intermesh, means for holding said toothed members in separated position, and means for impacting said toothed members together, the said teeth being of such depth as to cause a serrated distortion of the flexible material and an intermeshing of the fibers of the sheets together without tearing, whereby sheets



of flexible material placed between said toothed members are bound together during the impacting action.

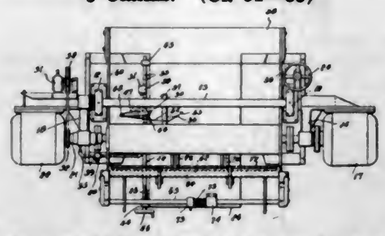
2,188,223

BUFFING AND POLISHING MACHINE

Carl O. Johnson, Springville, N. Y., assignor to Ralph B. Waite, Springville, N. Y.

Application September 30, 1937, Serial No. 166,691

5 Claims. (Cl. 51—85)



1. In a polishing and buffing machine, a pair of buffing and polishing rolls, means to drive the rolls, a slide member movable towards and away from the rolls in a line at right angles to the longitudinal axes of the rolls, a pair of resilient arms anchored at one end to the slide member, a work holder carried by the other end of the resilient arms and means for moving the arms against resiliency thereof to cause the work holder to oscillate through arcuate paths, traversing the path of movement of the slide member.

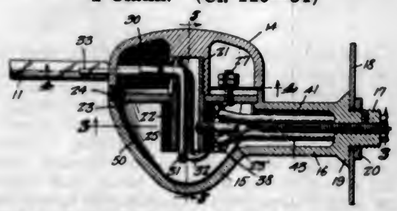
2,188,224

SIGNALING DEVICE

Robert E. Kathriner, Oakland, Calif.

Application January 31, 1938, Serial No. 187,951

1 Claim. (Cl. 116—54)



In a motor vehicle signal device, a rotary shell and a stationary shell disposed edge to edge to form a hollow casing, a bracket arm extending from the stationary shell and adapted to mount the device on a vehicle, a supporting disc at the edge of the stationary shell, a shaft carried by the rotary shell formed to provide a shoulder for abutting one face of the disc, a bushing on the shaft forming a shoulder for abutting the other face of the disc and co-acting with the first named shoulder in preventing separation of the shells, a signal arm extending from the rotary shell, said shaft carried by the rotary shell on the horizontal axis of the said casing and rotatably

connected to the supporting disc for disposing the signal arm to swing in a vertical plane, a radially disposed pin connected to said shaft, a cable carried by the bracket arm and connected to said pin for rotating the shaft to actuate the signal arm, a stop pin projecting from the supporting disc into the rotary shell, and shoulders on the rotary shell engageable with the stop pin to limit rotation of the rotary shell in either direction.

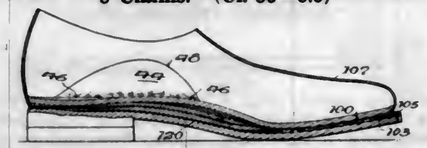
2,188,225

SHOE CONSTRUCTION

John Lawandus, Buffalo, N. Y.

Application June 10, 1939, Serial No. 278,566

8 Claims. (Cl. 36—8.5)



1. As part of a shoe construction, an innersole having a cupped heel portion which is of greatest elevation at its inside to prevent rotation of the os calcis in that direction, an upwardly arched forward heel and shank portion which is higher at its inside edge to conform to the inner longitudinal arch cavity of a foot, and an upwardly convexed portion extending intermediate the innersole edges for substantially the length of the innersole shank for preserving the shape of the metatarsal arch of a foot; means for resiliently resisting flattening of the upwardly arched shank and heel portions of the innersole; and means underlying the upwardly convexed portion, and intermediate the innersole edges, for maintaining its shape.

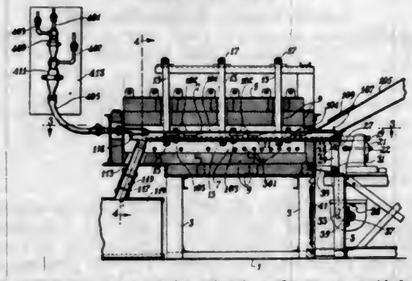
2,188,226

METHOD OF CASING FERROUS ARTICLES

Adolph W. Machlet, Elizabeth, N. J.

Application February 24, 1938, Serial No. 192,222

7 Claims. (Cl. 148—16)



5. The process of hardening ferrous articles in the presence of heat, which consists of advancing a succession of such articles, under suitable temperature conditions, through case-hardening material including both carburizing and nitriding substances, which is progressively changing in quality, decreasing the temperature as the richness of the case-hardening material increases, and causing said material to move in the opposite direction to the articles.

2,188,227

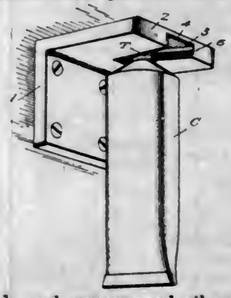
TUBE HOLDER

Eugene Theophilus Moore, Miami, Fla.

Application March 23, 1938, Serial No. 197,710

2 Claims. (Cl. 248—108)

1. A holder of the class described including a shelf portion, means for attaching the same to a supporting structure, there being a channel in the bottom of the shelf portion open at the bottom and at one end, the open end of the channel being of a width greater than the diameter of the threaded neck portion of a container to



be supported, and superposed ribs upon opposed walls of the channel for engaging opposed portions of the threads on container necks of different diameters.

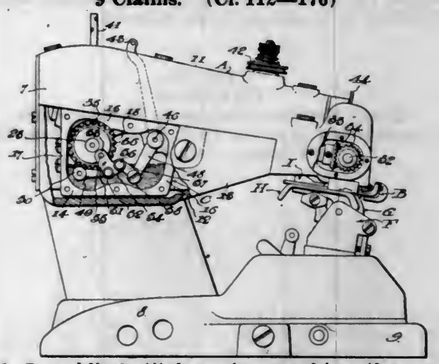
2,188,228

BLIND STITCH SEWING MACHINE

Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine

Original application May 18, 1937, Serial No. 143,387. Divided and this application November 12, 1937, Serial No. 174,243

9 Claims. (Cl. 112—176)



1. In a blind stitch sewing machine, the combination with a main shaft, of a horizontal presser foot, a stitch forming mechanism located above the foot and including a reciprocatory needle and a rotary hook including a bobbin, driving connections between the needle and the main shaft and between the hook and the main shaft, a reciprocatory take-up element for the needle thread, and driving connections between the take-up element and the main shaft for imparting a take-up stroke to the element during approximately 120° of rotation of the main shaft and a slack giving stroke to the element during the remainder of the rotation of the shaft.

2,188,229

WORK SUPPORT FOR BLIND STITCH SEWING MACHINES

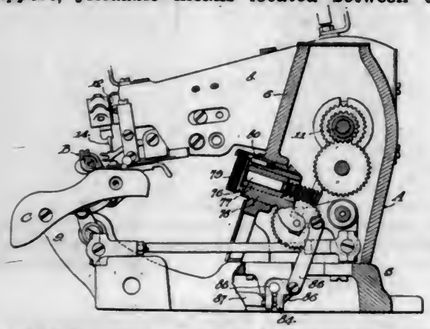
Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine

Original application June 19, 1937, Serial No. 149,258. Divided and this application November 20, 1937. Serial No. 175,709

12 Claims. (Cl. 112—260)

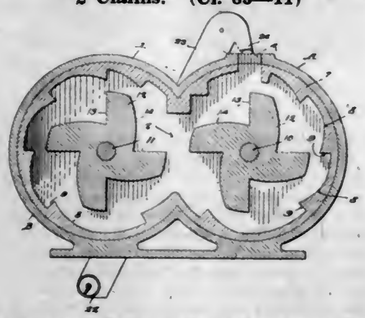
1. In a blind stitch sewing machine, the com-

bination with a frame including a base and a forwardly extending arm, of a horizontal presser foot rigidly attached to the free end of said arm, a work support mounted on the base to swing about a horizontal axis located in front of the foot and having a portion disposed under said foot, a vertically movable support for the work support, yieldable means located between the



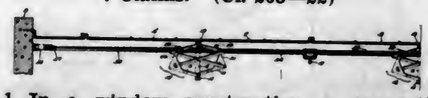
movable support and the work support for permitting a limited downward movement of the work support relative to the foot, releasable locking means between the movable support and the base for normally retaining said movable support against downward movement, and manually operable means connected to said locking means for raising or lowering said locking means together with said movable support.

2,188,230
CRUSHER
Henry Harrison Nicholson, Boulder, Colo.
Application May 26, 1937, Serial No. 144,944
2 Claims. (Cl. 83—11)



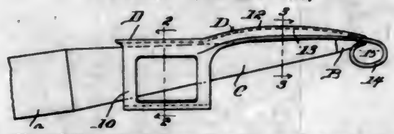
2. A device of the class described including a substantially imperforate casing having opposed sections communicating through a throat therebetween, impellers mounted for rotation in the respective sections and in the same direction, each impeller being substantially coextensive with the length of the casing axially of the impeller, inwardly extending radial shoulders in and extending from side to side of the sections, the shoulders in one of the sections being spaced apart distances increasing in proportion to their distance from the top of the throat and in the direction of rotation of the impeller in said section and the shoulders in the second section being spaced apart distances increasing in proportion to their distance from the top of the throat in a direction opposite to the direction of rotation of the impeller in said section, the casing being provided between the shoulders of the two sections, with concave surfaces coextensive in length with the length of the shoulders and means connecting the impellers for driving them to throw material under treatment against the shoulders and to receive the impact of said material when rebounding from the shoulders, said impellers operating at different speeds simultaneously, means for screening material delivered from the sections, and means for returning tailings to one of the sections.

2,188,231
SASH-OPERATING DEVICE
Clarke P. Pond, Philadelphia, Pa.
Application July 7, 1937, Serial No. 152,449
7 Claims. (Cl. 268—22)



1. In a window construction, a supporting framework, a top-hung, outwardly-opening sash member hingedly supported from the framework, an inwardly directed bracket member carried by said framework, a system of levers for opening and closing the window, one end of said lever system being connected to the bracket and the other end of said system of levers being connected to the sash member, and actuating means for the lever system including a longitudinally movable transmission member, means for mounting the same between said supporting framework and the sash member when in closed position, means for operatively connecting the transmission member to the system of levers, said system of levers including means for constraining the path of movement of the point of connection between said transmission member and said system of levers to an arc, the chord of which lies substantially parallel to the plane of the sash.

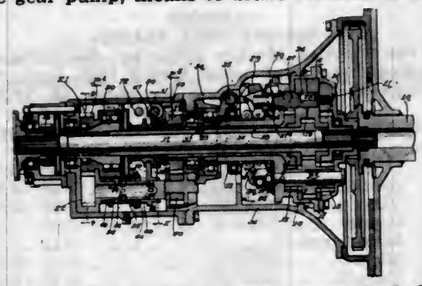
2,188,232
PENCIL CLIP
Eric S. Powell, Evansville, Ind.
Application August 2, 1938, Serial No. 222,723
1 Claim. (Cl. 120—84)



A clip of the kind described comprising a longitudinally slitted sleeve-like member inherently resilient and susceptible of embracing a pencil stock, an outwardly arcuately curved jaw formed with said member and extended beyond one end thereof and having a guideway longitudinally provided therein, and an outwardly, downwardly and inwardly curled terminal formed with said jaw and having a notch opening through its free edge to provide cutting areas opposite each other closely approaching the guideway in said jaw, the said cutting areas being disposed at opposite sides of the guideway in the jaw and in proximity to the jaw next to the said terminal.

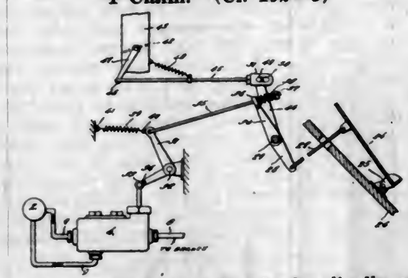
2,188,233
AUTOMATIC TRANSMISSION
Fred J. Ramsey, Harrisburg, Pa.
Application November 9, 1937, Serial No. 173,663
18 Claims. (Cl. 74—293)

1. In a transmission, a driven orbit element, two gears, a rotatable planet unit rotating with said orbit element and including a pinion for and engaging each of said gears, a gear pump, a driving connection between the gear pump and one of said gears, a valve to interrupt discharge from the gear pump, means to brake rotation of said



planet unit comprising a gear pump including one of said gears and the coacting pinion of said planet unit and a valve controlling the discharge of said pump, and centrifugally operated means to sequentially close the valves of said gear pumps.

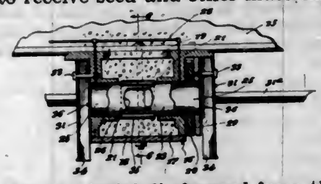
2,188,234
CONTROL FOR AUTOMOBILES
Eric H. Schwenn, Lansing, Mich.
Application April 8, 1938, Serial No. 200,983
1 Claim. (Cl. 192—3)



In an automobile having hydraulically operative brakes, a normally closed engine throttle valve, a depressible foot accelerator, means to supply fluid under pressure to said brakes including a pump and a line of connection between said pump and brakes, a normally open fluid control valve interposed in said line of connection and operative to closing position, means operative under initial depression of said accelerator to close said control valve comprising a rock shaft, an operating connection between said accelerator and shaft whereby depression of the accelerator rocks said shaft in one direction, a valve-operating bell crank lever spring tensioned against operation to open said valve, a yielding connection between said rock shaft and lever whereby said shaft may be rocked in said one direction independently of operation of said lever in the closed position of said valve, and operating connections between said shaft and throttle valve for opening the latter under such independent rocking of said shaft.

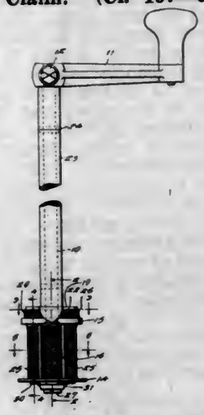
2,188,235
PLANTER
Alvin E. Simonson, Kismet, Kans.
Application May 5, 1938, Serial No. 206,248
8 Claims. (Cl. 221—130)

1. A planter unit of the class described comprising a casing having a hollow feeding tube arranged horizontally therein, the feeding tube having open opposite ends extending through the casing, the tube also having an entrance opening for admitting seed and other material therein, means for automatically actuating said feeding tube to open the entrance opening at regular intervals to receive seed and other material, means



for directing material discharged from the opposite ends of said tube downwardly, said tube being gradually enlarged from the center towards the opposite ends thereof to facilitate the discharge of the material entering the tube towards the opposite open ends thereof.

2,188,236
TIRE TOOL
James L. Speer, Ponca City, Okla.
Application March 31, 1938, Serial No. 199,285
1 Claim. (Cl. 157—6)

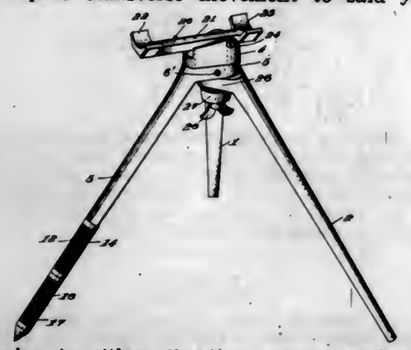


A pneumatic tire demounting tool comprising a shaft having a crank at one end thereof, a casing loosely mounted on the opposite end of said shaft and in which said shaft is rotatably mounted, said casing including spaced end members connected by a bridge, disposed in spaced apart relationship to the adjacent portion of said shaft, one of said end members having a hollow interior portion forming a gear box, a sleeve keyed to said shaft and disposed between the ends of said casing, a gear formed integral with one end of said sleeve and disposed in said gear box, rollers having their ends rotatably mounted in said end members, beneath and at opposite sides of said sleeve, gears formed on corresponding ends of said rollers, disposed within said gear box and in mesh with the sleeve gear whereby the sleeve and rollers will be revolved in opposite directions by said shaft, and means on the last mentioned end of said shaft to removably retain the casing in position thereon.

2,188,237
TRIPOD SUPPORT
John E. Weaver, Flint, Mich.
Application August 17, 1938, Serial No. 225,458
6 Claims. (Cl. 248—168)

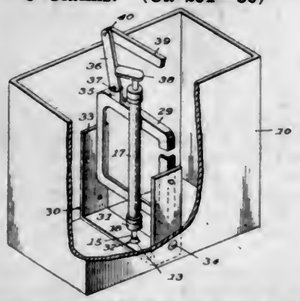
6. In a tripod support, a trail leg having a

collar at its upper end, a yoke member carried by the top of said collar and mounted for movement transversely, said yoke member being provided with an elongated opening, a cradle for supporting a telescope or like instrument mounted on said yoke member, a sleeve in said trail leg, a cam carried by an end of said sleeve coacting with the opposed walls of said opening to impart transverse movement to said yoke



member in either direction, means carried by the other end of said sleeve for rotating said sleeve in either direction to thereby move said yoke member laterally, a rod in said trail leg and extending through said sleeve and having an end adapted to contact with said cradle, and means carried by the other end of said rod and forming the bottom portion of said leg for rotating said rod in either direction to thereby effect vertical adjustment of said cradle.

2,188,238
SANDING DEVICE
Leonard Angle, Troy, N. Y.
Application March 6, 1939, Serial No. 260,181
3 Claims. (Cl. 291—36)



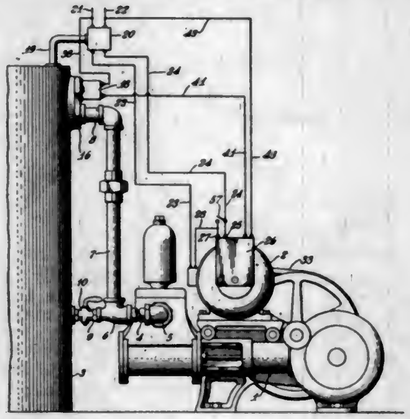
1. A sanding device comprising a receptacle having opposed side walls and a bottom wall provided with a discharge opening, a downwardly movable closure valve at said opening, and a substantially unitary valve mounting and control structure in said receptacle; said structure comprising an open frame disposed across the receptacle, an attaching bracket for the open frame having a portion spaced below said open frame and engaging the bottom of the receptacle, legs on said attaching bracket extending between and secured to said frame and said side walls, a vertical barrel crossing and carried by said open frame, a rod carrying said valve, said rod being vertically slidable in said barrel and projecting above the latter, means normally biasing said valve to closed position, said bracket portion having an opening therethrough in alignment with said discharge opening in which said valve is seated, and actuating means to open said valve mechanically coacting with said rod above the barrel.

2,188,239
MAGNESIUM ALLOY
Fritz Christen, Zurich-Altstetten, Switzerland
No Drawing. Application April 3, 1939, Serial No. 265,819. In Switzerland December 30, 1937
5 Claims. (Cl. 75—168)

4. A magnesium alloy consisting of magnesium and

		Per cent
(1)	Aluminium	1.32 –4.8
(2)	Zinc	0.66 –2.82
(3)	Copper	0.58 –2.1
(4)	Manganese	0.12 –0.72
(5)	Nickel	0.04 –0.36
(6)	Cobalt	0.16 –0.72
(7)	Chromium	0.02 –0.108
(8)	Molybdenum	0.004–0.06

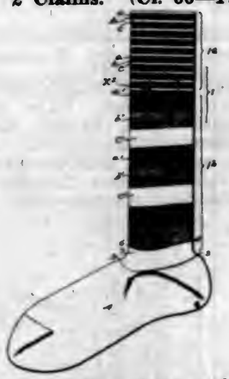
2,188,240
CONTROLLING MEANS FOR AUTOMATIC WATER SYSTEMS
Loyd W. Compton, Alexandria, Tenn., assignor of one-fourth to Marvin O. Nixon and one-fourth to Bart N. Nixon, Alexandria, Tenn.
Application October 24, 1938, Serial No. 236,817
4 Claims. (Cl. 103—26)



1. In combination with a water system including an electrical motor-driven pump and a water storage tank having a pressure actuated switch electrically connected in the electrical circuit of the motor of said pump for automatically stopping and starting the pump in accordance with the pressure in the tank, a switch under the control of the water flow from the pump and electrically connected in the motor circuit, a self-closing switch connected in said circuit, a shaft driven by said motor, a second shaft aligning with the first shaft and mounted for rotation and a limited endwise movement, clutch members on the meeting ends of said shafts for connecting and disconnecting them by the endwise movement of the second shaft, electro-magnetic means connected in said circuit and to the water flow controlled switch for effecting endwise movement of the second named shaft and normally holding said shaft away from the first named shaft, but yielding to engage the two shafts when the water flow between the pump and tank ceases with the pressure actuated switch relieved of pressure and

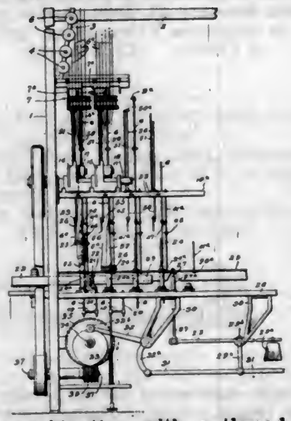
acting to maintain the motor in operation, and a trip arm secured to the second named shaft for opening the self-closing switch on the rotation of the second named shaft.

2,188,241
SELF-SUPPORTING STOCKING
Robert E. Davis, Fort Payne, Ala.
Application April 19, 1937, Serial No. 137,855
2 Claims. (Cl. 66—178)



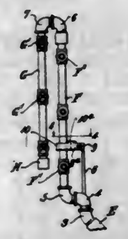
1. A self-supporting dress sock comprising a foot portion, a leg portion composed of ribbed knit fabric, and an elastic strand incorporated in and extending transversely throughout at least the lower part of said leg portion adjacent said foot portion and upwardly for a substantial distance above said foot portion and at least said lower part of said leg portion being composed of at least two separate body yarns forming the inside and outside faces of said fabric with at least one of said yarns passing back and forth from one to the other of said faces and knit separately in stitches on said outer face and confining said elastic strand between said faces and against excessive movement longitudinally of said fabric.

2,188,242
THREAD THROWING MACHINE
John C. Houck, Scranton, Pa., assignor of one-half to Wickham Bros., a firm comprising Ezra F. Wickham and Alfred F. Wickham, Scranton, Pa.
Application October 8, 1936, Serial No. 104,724
13 Claims. (Cl. 57—79)



1. The combination with a thread throwing machine having a driven vertically traversing ring rail, there being banks of spinning units at each side of the machine, each spinning unit including a package-carrying spindle, a spinning ring, and a stop motion unit having a stop rod; of a separate mount for each spinning ring and slidable on its associated stop rod, said ring rail being adapted to support the spinning rings in their lowermost positions, cooperating means in part carried by said stop rods, their associated ring mounts and ring rail, said cooperating means engaging upon each traverse of the rail in a manner to effect progressive elevating of the ring mounts from the rail, and means for driving the ring rail in a traverse the length of each stroke of which is less than the length of the spindles.

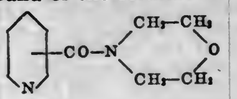
2,188,243
IRRIGATION SYSTEM
James Stanley Johnson, Pasadena, Calif.
Application November 24, 1937, Serial No. 176,343
7 Claims. (Cl. 61—12)



1. In an irrigation system, a water main, a stand pipe connected therewith having a pair of outlets disposed above the ground level; a swingable water distributing pipe on each said outlet connected thereto by universal joints comprising a pair of swivel joints between each of the pipes and their respective outlets, the planes of movements of the joints of each pair intersecting, and the plane of movement of the outermost joint of each pair being vertical; and means for controlling the flow of water from said orifices.

2,188,244
PYRIDINE CARBOXYLIC ACID MORPHOLIDES
Gilbert Auguste Langlois and Auguste Marius Deloison, Calais, France, assignors to Fabriques de Produits de Chimie Organique de Laire, Issy, Seine, France, a company of France
No Drawing. Application August 17, 1937, Serial No. 159,604. In France October 12, 1936
2 Claims. (Cl. 260—247)

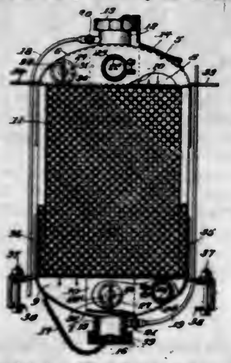
1. A compound of the formula



2,188,245
REVERSIBLE SELF-CLEANING RADIATOR
Albert M. Middleton, East Lansdowne, Pa.
Application December 6, 1938, Serial No. 244,266
3 Claims. (Cl. 257—129)

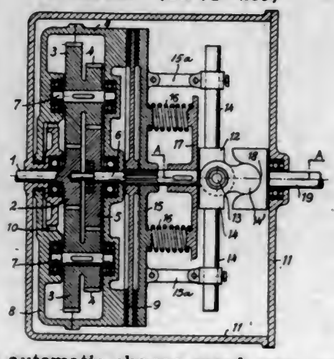
1. An automobile radiator comprising, a casing having top and bottom header tanks, a core supported between said tanks and in communication therewith, means for removably attaching said radiator to an automobile for reversing the posi-

tion thereof, and a plurality of connections asso-



ciated with said tanks adapted to permit circulation of water through said core.

2,188,246
AUTOMATIC CHANGE SPEED GEAR
Eligio Mirone, Turin, Italy
Application December 7, 1937, Serial No. 178,607
In Germany May 5, 1937
8 Claims. (Cl. 74—259)

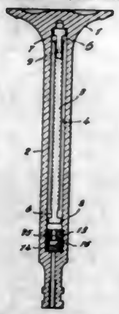


1. An automatic change speed gear, comprising three aligned shafts; a sun and planet gear including a driving member connected to the first shaft, a driven member connected to the second shaft, and a reaction member; a one-way brake for said reaction member; clutch means between said reaction member and the second shaft for bodily rotating the sun and planet gear; means for yieldably holding the clutch means engaged; levers operatively connected to the clutch means and articulated to the second shaft and connected with the third shaft for rotating the third shaft therewith; whereby lagging of rotation of the third shaft behind that of the second shaft will rock the levers and disconnect said clutch means, and the one-way brake will hold the reaction member against rotation and permit the sun and planet gear to operate.

2,188,247
METHOD AND COMPOSITION FOR IMPROVING MILLING PRODUCTS
Frederic H. Penn, Dallas, Tex.
No Drawing. Application June 6, 1939, Serial No. 277,734
12 Claims. (Cl. 99—91)

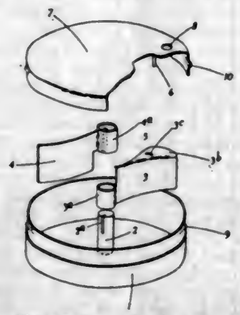
3. A method for improving wheat flour and other milling products which comprises intimately mixing powdered benzoyl peroxide and a powdered alkali metal salt of a fatty acid with the dry milling product, the peroxide being in sufficient amount to bleach the milling product and said salt being in sufficient amount to increase the loaf volume factor of the milling product, and subjecting the latter in dry form to the simultaneous action of the peroxide and said salt for a sufficient time to bleach and mature the milling product.

2,188,248
VALVE FOR COMBUSTION MOTORS
Aurelio Possenti, Guidonia, Italy, assignor to Edgardo Rietti, Paris, France, and Aurelio Possenti, Guidonia, Italy
Application December 28, 1938, Serial No. 248,098
In Italy February 23, 1938
6 Claims. (Cl. 123—177)



1. A valve of the character described, adapted to operate back and forth rapidly while having the valve head subjected to high temperatures, said valve having a closed chamber therein containing a cooling medium having a low melting point and a high ebullition point, and a movable member in said chamber adapted to reciprocate with said valve for circulating the cooling medium in a liquid state from one end of said chamber to the other, said circulation being more intense as the temperature of the valve heat increases.

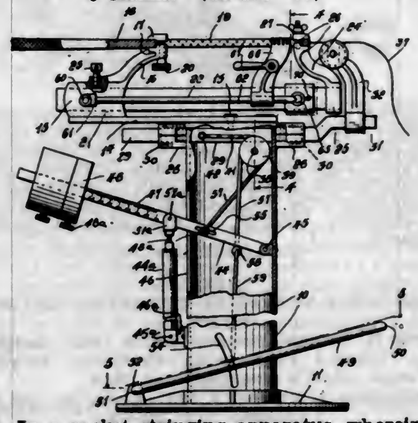
2,188,249
PASTE DISPENSING DEVICE
Karl Pringsauf, Heidelberg, Germany, assignor to Willy Mansbach, London, England
Application January 27, 1939, Serial No. 253,194
In Germany February 12, 1938
6 Claims. (Cl. 221—78)



1. A paste dispensing device comprising an internally round, closed container having a paste discharge opening in one of its walls, a post

fixed centrally in the container, two radial vanes extending one rotatably and the other non-rotatably from the post to the inner peripheral wall of the container, means for rotating the rotatable vane from the exterior of the container, and means for sealing and unsealing the discharge opening on opposite directional movements of the rotatable vane.

2,188,250
RACKET STRINGING APPARATUS
Edmundo H. Serrano, St. Louis, Mo.
Application October 14, 1938, Serial No. 235,063
6 Claims. (Cl. 273—73)



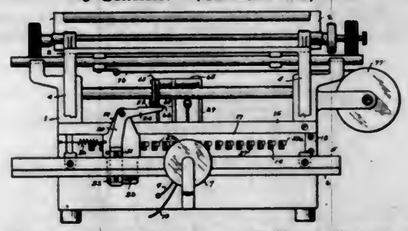
1. In a racket stringing apparatus, wherein a racket supporting head is mounted upon the upper end of a standard, and wherein the string is tensioned by sections with a tensioned string section held under tension while tensioning another section, string tensioning means including a string puller slidably mounted on the upper end of the standard for movements transversely thereof, a drum having a cushion surface carried by the puller adapted to have the racket string wound thereon, an adjustably weighted lever arm pivotally mounted on the standard, operative connections between the string puller and lever arm for operating the string puller to place a string under tension, a dash pot connection between the lever arm and standard for retarding movements of the lever arm during pulling force thereof on the string puller and manually operable means in said operative connections for rendering the lever arm and string puller inoperative.

2,188,251
PRELOAD ADJUSTMENT FOR BALL BEARINGS
James Holly Nelson, Racine, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application October 28, 1938, Serial No. 237,562
9 Claims. (Cl. 308—189)



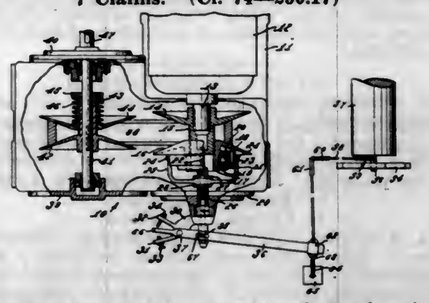
1. In a ball bearing assembly, a shaft, a housing therefor, an inner raceway on said shaft and rotatable therewith, an outer raceway mounted in said housing and slidable axially thereof, a series of bearing balls between said raceways and traveling in a groove in each of said raceways, a spring washer confined between said outer raceway and an abutment in said housing and tending to move said raceway axially in the same direction as the movement of the shaft under expansion when heated, thereby preloading the ball bearing when said shaft is stationary, the axial movement of said inner raceway with the expanding shaft serving to reduce the preloading pressure.

2,188,252
JUSTIFYING AND VARIABLE SPACING TYPING MACHINE
Samuel R. Nicks, Houston, Tex.
Application August 26, 1937, Serial No. 161,095
6 Claims. (Cl. 197—84)



1. A typing machine comprising a frame and a carriage, a plurality of printing type, means for selectively actuating the type into printing relation with the work, a movable dog connected to and actuated by each of the type actuating means, a movable spacing bar, means for moving said bar, a clutch for engagement of the bar to the carriage, an electrically operable holder associated with the carriage, each of said dogs, when actuated by the type-actuating means being arranged to engage with and allow limited movement of the spacing bar and means to operate the holder before and the clutch after movement of the spacing bar.

2,188,253
CONTROL FOR VARIABLE SPEED DRIVES
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application January 8, 1938, Serial No. 183,969
7 Claims. (Cl. 74—230.17)



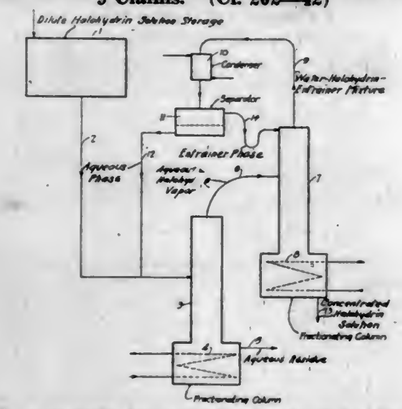
1. In a device of the class described, a housing, a shaft rotatably mounted within said housing, an expansible pulley mounted on said shaft and comprising a coned disc fixed to said shaft, and a mating coned disc axially reciprocable with respect thereto, a thrust bearing associated with said last-named disc, a threaded stem slidably reciprocable in said housing, an element carried by said stem and connected with said thrust bearing, means threadedly mounted on said stem and

engaging said element to position the same adjustably on said stem, and means for shifting said stem comprising a lever pivotally mounted outside said casing and engaging said stem to reciprocate the same upon oscillation of said lever.

2,188,254
CONCENTRATION OF AQUEOUS ALKENE HALOHYDRIN SOLUTIONS

Wilhelm Carel Brezesinska Smithuysen, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 25, 1937, Serial No. 170,840
In the Netherlands November 17, 1936
9 Claims. (Cl. 202—42)



1. A process for the production of an aqueous solution of an alkene halohydrin having a halohydrin concentration greater than in the respective halohydrin-water azeotrope which comprises the steps of introducing a dilute, aqueous, alkene halohydrin solution in a continuous manner into a distillation zone, fractionally distilling said solution while maintaining a rate of introduction and a temperature higher than that adapted to yield a halohydrin-water azeotrope overhead fraction, thereby removing as an uncondensed distillate a more concentrated mixture of halohydrin, conducting said uncondensed distillate continually into a second fractionating apparatus containing an entraining agent, and azeotropically removing a portion of the water whereby a more concentrated aqueous solution of said alkene halohydrin is obtained.

2,188,255
CUTTING LUBRICANT

Waldo L. Steiner, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application February 3, 1936, Serial No. 62,170
11 Claims. (Cl. 87—9)

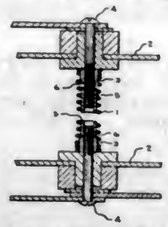
1. A cutting lubricant comprising in combination a lubricating composition intimately admixed with a solution of uncombined sulphur in a non-volatile, oil-soluble naphthalenic compound, the sulphur being present in an amount by weight from .1 of one percent to 2 percent.

2,188,256
ELECTRIC HEATING UNIT

Willard O. Twombly, Jackson, Mich., assignor to Jeffrey N. Collins, Jackson, Mich.

Application July 1, 1936, Serial No. 88,368
1 Claim. (Cl. 201—63)

In an electric heater, a helical resistance element, comprising a bare metallic resilient wire in the form of a helical coil of uniform diameter throughout its entire length when unstressed, a cylindrical conducting terminal for said wire, and means for connecting said wire to said terminal, said means comprising a portion of said helical wire telescopically disposed about said terminal and held thereon solely by its inherent

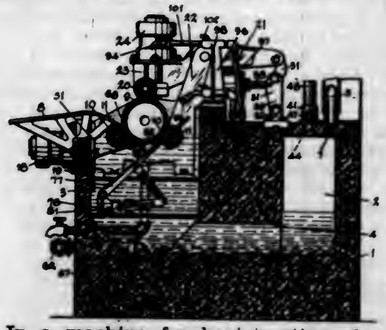


resiliency, the diameter of said terminal being slightly greater than the inner unstressed diameter of said helically coiled wire, the connection between said element and said terminal being characterized by the fact that it is effected by a slight relative rotation between said parts in a direction tending to unwind said helical element.

2,188,257
MACHINE FOR HEAT-TREATING METAL ARTICLES

Bertis H. Urschel, Bowling Green, Ohio, assignor to Urschel Engineering Company, Bowling Green, Ohio, a corporation of Ohio

Application September 4, 1937, Serial No. 162,428
9 Claims. (Cl. 266—6)



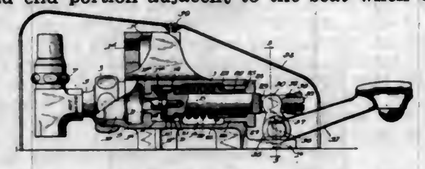
1. In a machine for heat-treating elements, the machine having a trough part and a reservoir part for containing a liquid and a passageway connecting the said parts below the level of the liquid, a pneumatic pressure producing means for pressing liquid from the reservoir part into the trough part through the passageway to raise the level of the liquid in the trough part, means for regulating the pressure produced by the pressure producing means to regulate the level of the liquid in the trough part, and means for supporting an element in the trough part of the machine and submerged in part by the rise in the level in the trough part.

2,188,258
MIXING VALVE

Roy H. Zinkil, Oak Park, and Edward A. Fredrickson, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application April 21, 1937, Serial No. 138,120
3 Claims. (Cl. 277—20)

1. In a mixing valve comprising a casing having a plurality of fluid inlets thereto and a fluid outlet or outlets therefrom, simultaneously operable valves for the control of fluids through the said inlets, independently adjustable actuating means for the said valves, means exterior of the said casing for the adjustment of the said actuating means including a pedal operated shaft engaging a plurality of bifurcated portions of the said valve actuating means, independent flow throttling means for the said valves, one of the said throttling means having a reduced middle and end portion adjacent to the seat when the



valve is in its closed position, the other end thereof being substantially larger, the said throttling means providing that upon initial movement of the actuating means and the valves in the opening direction the flow through either or both of said valves is substantially diminished, and upon continued movement thereof in the opening direction substantially maximum flow past the said valves occurs, after which at a position approaching the limit of the said actuating means in the opening direction the flow past either or both of said valves is substantially diminished.

2,188,259
PREPARATION OF TITANIUM DIOXIDE PIGMENTS

Benjamin Wilson Allan, Baltimore, Md., assignor to American Zirconium Corporation, St. Helena, Baltimore, Md., a corporation of Maryland

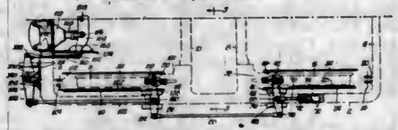
No Drawing. Application August 26, 1938, Serial No. 226,889
8 Claims. (Cl. 23—202)

2. In the process of preparing titanium dioxide of improved color from a titanium dioxide acid cake containing ferrous iron and copper, the steps comprising washing the acid cake under reducing conditions until substantially all of the iron is washed out, thereafter treating the washed material with an oxidizing agent to convert the copper to the cupric state, and again washing the thus treated material to remove the soluble cupric copper.

2,188,260
BRAKE ARRANGEMENT

Walter H. Baselt and Ray G. Aurien, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application November 18, 1937, Serial No. 175,237
8 Claims. (Cl. 188—56)

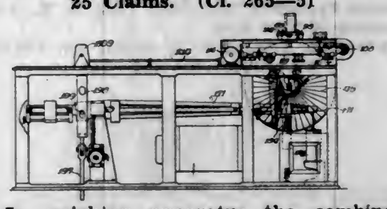


1. In a railway truck a frame having side members and integral end rails, dual power means mounted on an end rail, supporting wheel and axle assemblies, a cylinder equalizer connected to said power means, said equalizer having its opposite ends operatively connected to auxiliary levers mounted adjacent opposite corners of said frame at said end rail, and brake rigging for the wheels at opposite sides of the truck comprising interconnected live and dead equalizing levers supported on each side member and connected respectively to clasp brake means associated with adjacent wheels, said live levers having points intermediate their ends operatively connected respectively to said auxiliary levers, each of said dead equalizing levers having a swinging fulcrum connection with the adjacent side member, and brackets on said end rail affording sliding support for said auxiliary levers outwardly thereof and for said equalizer inwardly thereof.

2,188,261
WEIGHING APPARATUS

Olin H. Basquin, Evanston, and Otto P. Haegele, Chicago, Ill., assignors to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois

Application July 30, 1936, Serial No. 93,406
25 Claims. (Cl. 265—5)



1. In weighing apparatus the combination comprising a pinion rotatable to positions representing the weight of a load, a rack for rotating said pinion, a guideway having opposite parallel guiding surfaces, and anti-friction rollers carried by said rack and each adapted to travel along only one of such guiding surfaces thereby to constrain the rack to movement in a straight line.

2,188,262
DIESEL FUEL

George S. Crandall, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

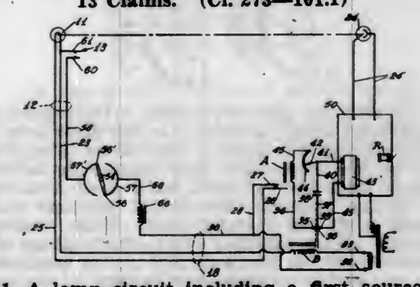
No Drawing. Application December 2, 1938, Serial No. 243,507
9 Claims. (Cl. 44—9)

1. An improved Diesel fuel having in admixture therewith a minor proportion of a substituted pentazdiene in sufficient amount to decrease the ignition delay period of the fuel.

2,188,263
LAMP CONTROL CIRCUIT

Irwin W. Eisenberg, Chicago, Ill., assignor by mesne assignments, to James E. Johnson, Chicago, Ill.

Application December 18, 1936, Serial No. 116,522
Renewed November 30, 1939
13 Claims. (Cl. 273—101.1)



1. A lamp circuit including a first source of

power, a relay in circuit with said source of power and manually operable switch means for energizing said relay, a second relay having a relay switch in circuit with said first source of power and an exciter lamp such that the operation of said second relay will energize said lamp, and means for energizing said second relay a determined period of time, said means including a condenser, a source of direct current normally in circuit with said condenser to charge the same, and switch means operable to disconnect said condenser from said direct current source of power and connect the condenser in circuit with said second relay whereby the latter may be energized by the discharge of said condenser.

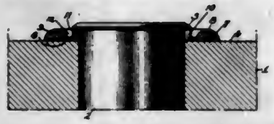
2,188,264

SELF-LUMINOUS KEYHOLE LOCATOR

Rufus G. Fordyce, Chicago, Ill., assignor to Luminous Processes, Inc., New York, N. Y., a corporation of New York

Application April 2, 1938, Serial No. 199,554

2 Claims. (Cl. 250—76)



1. A self-luminous locating marker comprising a body of non-vitreous transparent plastic of the methyl methacrylate type having its front surface and cross section shaped to form a magnifying lens, and a quantity of self-luminous material of the radio-activated type supported on the rear of said body for magnification by said lens.

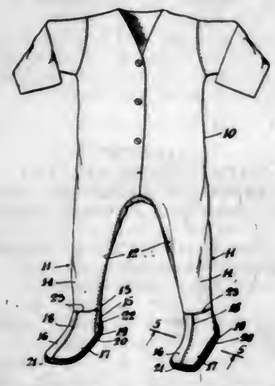
2,188,265

SLEEPING AND LOUNGING GARMENT

Robert H. Huels, Roanoke, Va., assignor to Puritan Mills, Inc., a corporation of Virginia

Application December 14, 1938, Serial No. 245,559

4 Claims. (Cl. 2—83)



1. A sleeping garment having a body portion leg portions which are longer in the back than in the front, and a composite foot joined to each of said leg portions, each foot comprising a heel formed from the extended back portion of the leg of the garment, two front portions each shaped to fit the toe and ankle of the wearer's foot and joined together substantially along the center of the foot and attached to said back portion and to the shorter front portion of the leg, and at least one sole attached to said heel and front foot portions and forming the bottom of said foot.

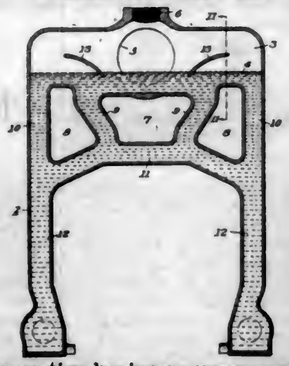
2,188,266

BOILER SECTION

Louis N. Hunter, Johnstown, Pa., assignor to The National Radiator Company, a corporation of Maryland

Application February 10, 1937, Serial No. 125,045

1 Claim. (Cl. 122—225)



A boiler section having an upper portion forming a combined steam and water chamber, the water line of the boiler defining the separation of the steam and water chambers, a nipple port on a side face of the section opening into the chamber, the normal water line being above the bottom of the nipple port, a centrally located steam outlet connection in the section above the nipple port, the section having flue openings therethrough forming water circulating spaces below the water line of the section, and baffles in the section over certain of said water circulating spaces, said baffles being generally inclined upwardly and outwardly away from the center of the section, the lower ends of the baffles nearest the center of the section terminating below the water line of the boiler section, the upper outer ends of the baffles terminating in the steam space below the top of the section and inwardly from the side thereof, the arrangement being such that steam generated below the baffles is directed in a generally horizontal direction away from the center of the boiler and then turns at an angle of approximately 180° back toward the center of the boiler and is further deflected through a reverse angle of approximately 90° in passing to the offtake.

2,188,267

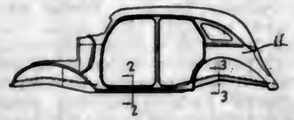
COMBINED BODY AND CHASSIS UNDERFRAME

Joseph Ledwinka and John W. Kelly, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 20, 1936, Serial No. 75,375

Renewed April 8, 1939

7 Claims. (Cl. 296—28)



1. A sheet metal combined body and chassis underframe for automobile vehicles having box

section longitudinal side sills, said box section side sills including, in the threshold region, as elements of the box section structure, a vertically extending integrally formed part of a floor panel stamping and an integrally formed part of a separately formed outer side wall panel stamping, the main body of said floor panel stamping extending from side to side of the underframe and lying substantially in the plane of the top of the threshold, in which underframe an upwardly facing channel section cross member connects the box section side sills at the opposite sides of the underframe and is connected through laterally extending flanges from its side walls to the body floor panel to form a box section therewith, the ends of the side walls of said channel being laterally flanged and secured through said lateral flanges to the vertical inner walls of the box section sills and through an extension of the bottom wall of the channel with the bottom of the box section sills.

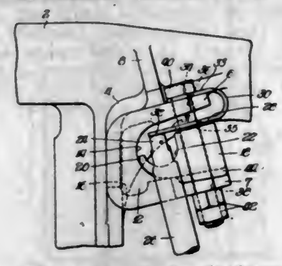
2,188,268

BRAKE HANGER BRACKET

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application November 14, 1938, Serial No. 240,209

13 Claims. (Cl. 188—209)



1. In a railway car, a truck frame member having an integral brake hanger bracket comprising a jaw structure with flaring top and bottom walls and lateral walls terminating rearwardly of said top and bottom walls in arcuate edges, a wear plate seated upon said bottom wall and having a hook-like rear portion complementary in form to said arcuate edges and seated thereagainst, a loop-type hanger seated in said hook-like portion, a U-shaped resilient member having an arm overlying said top wall and an arm projecting into said jaw and bearing upon said hanger, and securing means extending through said top and bottom walls, said wear plate, and said resilient member to retain said parts in operative assembly.

2,188,269

RESOLUTION OF HYDROCARBON EMULSIONS

Waldemar O. Mitscherling, Bridgeport, Conn., assignor to The Neon Research Corporation, Bridgeport, Conn., a corporation of Connecticut

No Drawing. Application April 20, 1936, Serial No. 75,416

7 Claims. (Cl. 204—24)

4. A process for the resolution of emulsions which comprises subjecting an emulsion to vibratory effects emanating from a rare gas tube in the presence of an absorbent material, carrying a deposited metal, said emulsion being in direct contact with said tube.

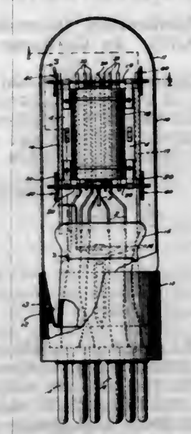
2,188,270

THERMIONIC TUBE

Charles E. Stahl, Montclair, N. J., assignor to Arcturus Development Company, Newark, N. J., a corporation of Delaware

Application June 9, 1934, Serial No. 729,747

11 Claims. (Cl. 250—27.5)



1. A thermionic tube comprising a tubular envelope, an element assembly extending along the length of said envelope, and means at both ends of said element assembly for resisting lateral movement thereof, each of said means comprising two mica plates oppositely attached to the element assembly at points intermediate their ends, the ends of the plates contacting resiliently against the inner wall of the envelope.

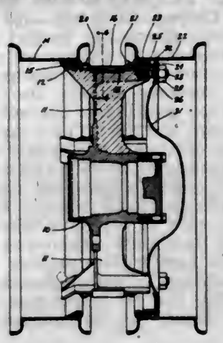
2,188,271

DUAL RIM MOUNTING

Joseph G. Swain, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application December 20, 1935, Serial No. 55,372

2 Claims. (Cl. 301—22)



1. A rim-holding device for wheels comprising a substantially rigid clamping ring and a metal disc spanning the opening in said ring and rigidly secured thereto to form an integral structure, and means for clamping said ring and disc securely to a wheel for holding a rim in place thereon, said ring having an axially extending wedge portion provided with at least one substantially radial slot to permit slight radial expansion under the clamping force exerted on the ring during the clamping operation.

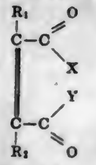
2,188,272
SHAPED ARTICLE AND PROCESS OF PREPARING IT

Arthur Voss, Frankfort-on-the-Main-Hochst, and Hermann Stärk, Bad Soden in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

No Drawing. Application December 31, 1936, Serial No. 118,679. In Germany January 16, 1936

10 Claims. (Cl. 260—36)

1. The process of moulding a product obtained by saponifying the vinylic ester group of a mixed polymerization product of a vinyl ester with a compound of the following formula:



wherein R_1 and R_2 stand for substituents selected from the group consisting of hydrogen, halogen, the sulfonic acid radical, an alkyl, aryl and aralkyl radical and X and Y stand for substituents selected from the group consisting of OH, O-alkyl, O-aryl and halogen or X and Y together stand for oxygen, which process comprises moulding the saponification product thus obtained in the presence, based on said saponification product, of from 20 per cent to 100 per cent of a compound selected from the group consisting of aliphatic polyhydric alcohols and aliphatic hydroxy carboxylic acids and from 20 per cent to 120 per cent of water.

2,188,273
POLYMERIZATION OF DRYING OILS

Hein Israel Waterman, Delft, and Cornelus Van Vlodrop, Rotterdam, Netherlands, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 12, 1937, Serial No. 153,294. In Great Britain July 22, 1936

5 Claims. (Cl. 260—407)

1. In the manufacture of bodied oils by heating drying fatty oils at a pressure not less than atmospheric pressure to polymerizing temperatures in the presence of SO_2, the improvement which comprises passing a current of SO_2 gas into and through the hot oil at a rapid controlled rate and simultaneously vigorously agitating the mixture to ensure uniformly intimate contact between the SO_2 and all the oil, thus accelerating the polymerization of the oil, the pressures, agitation and rate of gas flow being correlated to produce a maximum liquid-gas contact between the oil and sulfur dioxide during said heating, the amount of sulfur dioxide maintained in contact with the oil being sufficient to substantially accelerate the polymerization.

2,188,274
PURIFICATION OF ALCOHOL

Albert H. Bump, Watertown, Mass., assignor to New England Alcohol Company, Everett, Mass.

No Drawing. Application May 29, 1936, Serial No. 82,507

4 Claims. (Cl. 202—57)

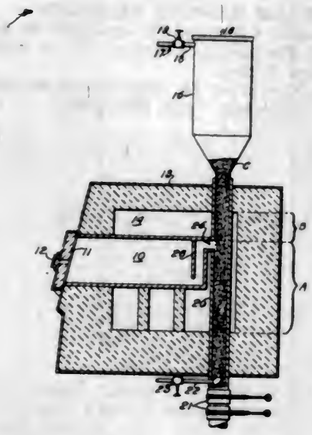
3. The method of purifying alcohols selected from the group, ethyl, propyl and butyl, characterized in that the oxidizable impurities are decomposed selectively by the action of a water soluble manganic salt under acid conditions, thereafter the resulting liquid product is subjected to aeration under conditions whereby impurities relatively more volatile than alcohol are separated and digesting the alcohol with caustic alkali whereby otherwise volatilizable impurities are rendered relatively non-volatile and, finally, distilling the alcohol under conditions which substantially avoid entrainment of residual impurities.

2,188,275
HEAT TREATMENT OF METALS

John A. Comstock, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Original application August 30, 1938, Serial No. 227,487. Divided and this application December 22, 1938, Serial No. 247,201. Renewed November 8, 1939

4 Claims. (Cl. 266—5)



1. A furnace for heat-treating metal articles comprising, in combination, a work-treating chamber, a retort having a gas outlet in communication with said chamber and having an inlet for carbonaceous material separate from the gas outlet, means for delivering to said retort a sufficient volume of a reactive gas to insure simultaneous outflow of gas through said outlet and inlet, means for regulating the outflow of gas through said inlet, means for feeding carbonaceous material to said retort by way of said inlet, and means for maintaining said chamber and retort at substantially the same temperature.

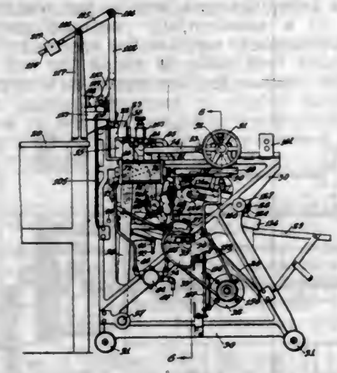
2,188,276
CASTING MACHINE

Espy G. Davis, St. Paul, Minn., assignor to National Battery Company, a corporation of Delaware

Application October 13, 1937, Serial No. 168,761

16 Claims. (Cl. 22—57)

5. In a casting machine, a mold having relatively movable members, a receptacle positioned beneath said mold to receive the castings therefrom and a conveyor for removing the castings from said receptacle comprising a pair of conveyor chains mounted in spaced parallel relation to each other above said receptacle and each having fingers projecting downward to engage castings on the receptacle, means for slidably



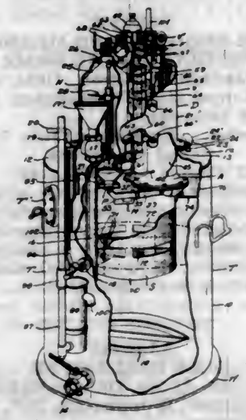
supporting the casting beneath said chains and power actuated means for driving said chains.

2,188,277
ACETYLENE GENERATOR

Maurice P. De Motte, Clarence H. Baker, and Ralph C. Pierson, Indianapolis, Ind., assignors, by mesne assignments, to Oxweld Acetylene Company, a corporation of West Virginia

Application April 24, 1937, Serial No. 138,752

13 Claims. (Cl. 48—53)



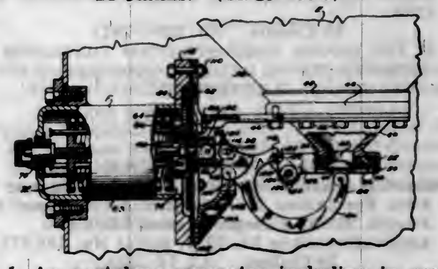
1. An acetylene generator comprising a tank adapted to contain water in its lower portion and to form a gas collecting chamber in its upper portion; a hopper mounted on said tank, said hopper being adapted to contain calcium carbide, and provided with a carbide outlet; a carbide feed valve mounted in operative relation to said outlet; means responsive to a predetermined pressure within said generator for controlling the opening of said valve and the flow of carbide from said hopper to the water within said tank; and separate mechanical means for controlling the feed of carbide from said hopper to said water before said predetermined pressure has been established within said generator, including means for preventing the complete opening of said feed valve until a predetermined pressure has been established in said gas collecting chamber.

2,188,278
ACETYLENE GENERATOR

Maurice P. De Motte, Indianapolis, Ind., assignor to Oxweld Acetylene Company, a corporation of West Virginia

Application July 17, 1937, Serial No. 154,159

14 Claims. (Cl. 48—53.3)



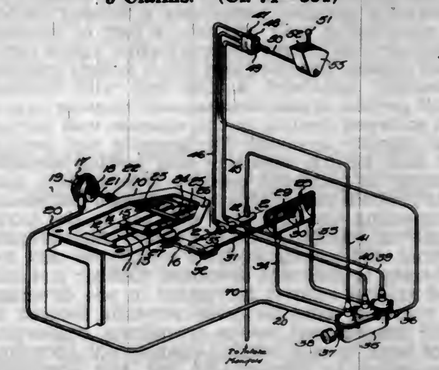
1. An acetylene generator including in combination, a hopper having an outlet; a valve controlling such outlet; means responsive to a predetermined gas pressure within such generator for controlling the operation of said valve; and means for preventing the maximum opening of said valve at least until said predetermined pressure has been established within said generator, said means comprising a pivotally mounted lever connected to said valve and to said pressure-responsive means and a rotatable cam for engaging said lever, said lever and said cam being provided with interlocking means for preventing rotation of said cam to a position permitting the maximum opening of said valve before said predetermined pressure is established.

2,188,279
GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES

Henry W. Hey, Richmond, Va., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia

Application October 1, 1936, Serial No. 103,596

5 Claims. (Cl. 74—334)

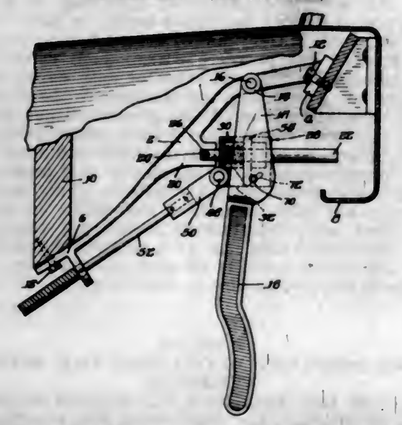


1. A gear shifting mechanism for a transmission having a member movable in opposite directions from neutral position to provide different transmission ratios, comprising a single power device for actuating said member, means separate from said power device for retarding the speed of movement of said member, and mechanically operated means operative upon movement of said member for rendering said last named means operative approximately in the neutral position of said member when the latter is moving in either direction.

2,188,280
ACCELERATOR OF VULCANIZATION
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 27, 1934, Serial No. 755,022. In Canada November 14, 1932
20 Claims. (Cl. 260—793)

1. The process which comprises vulcanizing a vulcanizable rubber mix in the presence of ethyl carboxy methyl di(diethyl dithiocarbamate).

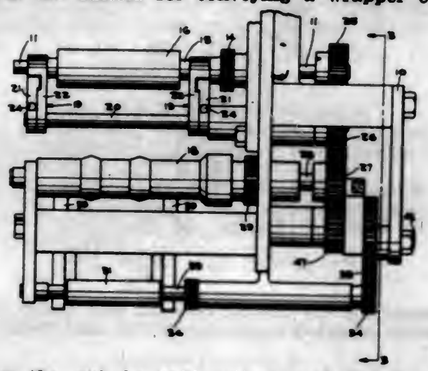
2,188,281
BRAKE CONTROL MECHANISM
Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application June 23, 1937, Serial No. 149,875
10 Claims. (Cl. 74—531)



1. In a brake control mechanism having a brake applying member, the combination of a fixed bracket, a rod secured to said bracket, an operating member comprising a housing having a plurality of wall portions, a pair of opposite wall portions in said housing having alined openings slidably receiving said rod, a locking member pivotally associated at one end with another wall portion of said housing, said housing having an enlarged opening in the opposite wall portion for slidably receiving the opposite end portion of said locking member, said locking member having an enlarged opening intermediate said end portions for slidably receiving said rod, means connecting the operating member to the brake applying member, resilient means for normally tilting said locking member relative to said rod whereby to lock said operating member and said rod against relative movement in one direction, a manually operable lever pivotally secured to said bracket and means operatively connecting said lever to said locking member for operating the latter to release said rod and operating member for relative movement in the opposite direction.

2,188,282
WRAPPER MECHANISM
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application July 5, 1938, Serial No. 217,495
4 Claims. (Cl. 164—68)

4. In a wrapping machine, means for feeding a web of wrapping material at a substantially uniform speed, rotary cutters between which said web is fed by said feeding means for cutting a wrapper from the web, means for rotating the cutters at a substantially constant peripheral speed substantially equal to the speed of the web, a discharge feed roller to which the web is fed from the cutters for conveying a wrapper cut



from the web by said cutters, and means for rotating the discharge feed roller including a driving connection between the cutting means and discharge feed roller for rotating the discharge feed roller at substantially the speed of the web during the cutting operation and periodically accelerating the discharge feed roller as the cutters complete the severance of a wrapper from the web.

2,188,283
RUBBER PRODUCT AND METHOD OF PRODUCING THE SAME
Frank H. Manchester, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 5, 1935, Serial No. 30,011
17 Claims. (Cl. 154—40)

3. The method of forming an article which comprises interposing between artificial silk and rubber compounded with vulcanizing ingredients, an adhesive which comprises a casein adhesive and a vulcanizable rubber material, and then subjecting the whole to vulcanization.

2,188,284
GOLF BALL COVER
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 23, 1936, Serial No. 102,219
7 Claims. (Cl. 273—62)

1. A tough, thermoplastic, homogeneous composition of a condensation derivative of rubber and a chloroprene polymer.

2,188,285
GOLF BALL COVER
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 23, 1936, Serial No. 102,220
5 Claims. (Cl. 273—62)

1. A tough, plastic, homogeneous composition of balata and a chloroprene polymer.

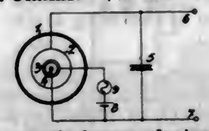
2,188,286
LAMINATED RUBBER GASKET
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 12, 1937, Serial No. 130,512
2 Claims. (Cl. 288—34)

1. A gasket composed of rubber sandwiched between rubber hydrochloride sheets, said rubber and hydrochloride sheets being secured directly to one another.

2,188,287
WETTING AGENT FOR ALKALINE MERCERIZING SOLUTIONS
Ferdinand Münz, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 15, 1937, Serial No. 163,920. In Germany October 2, 1936
2 Claims. (Cl. 8—127)

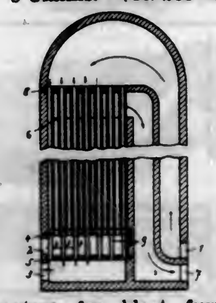
1. An improved wetting agent for an alkaline mercerizing solution which comprises a phenolic compound and a wetting agent which is as such insoluble in mercerizing solutions, and a reaction product of nitric acid on a member of the group consisting of oleic, linoleic and ricinoleic acid.

2,188,288
ARRANGEMENT FOR GENERATING TILTING OSCILLATIONS
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Original application May 2, 1933, Serial No. 668,940. Divided and this application February 16, 1934, Serial No. 711,572. In Germany May 2, 1932
2 Claims. (Cl. 250—27.5)



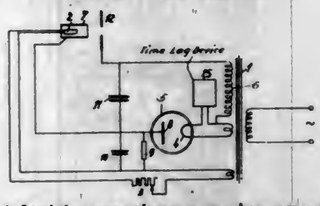
1. A gaseous discharge device comprising a container, a gas in said container, an indirectly heated cathode, a grid electrode consisting of a metallic cylinder closed at one end having a tube-like abutment thereon, said grid electrode surrounding said indirectly heated cathode, and a ring-shaped anode surrounding said tube-like abutment of said grid electrode.

2,188,289
AIR HEATER FOR BLAST FURNACES
Paul Schwarze, St. Gallen, Switzerland
Application October 14, 1938, Serial No. 235,011
In Germany October 21, 1937
8 Claims. (Cl. 263—20)



1. Air heaters for blast furnaces comprising adjacent columns of hollow bricks; the passages in said bricks combining to form continuous and substantially parallel flues in said columns; one part of said flues being adapted to conduct the heating gases; and the other part of said flues being adapted to simultaneously conduct the air to be heated.

2,188,290
PROTECTIVE DEVICE IN TELEVISION RECEIVERS
Manfred von Ardenne, Berlin, Germany
Original application November 13, 1933, Serial No. 697,739, now Patent No. 2,096,987, dated October 26, 1937. Divided and this application October 14, 1936, Serial No. 105,626. In Germany November 15, 1932
1 Claim. (Cl. 250—27)



In a television receiver a mains supply and a Braun tube having cathode filament, Wehnelt cylinder and anode, said mains supply comprising a transformer having a primary winding connected to the mains and three secondary windings, a rectifier tube producing the direct current high tension for the anode and the Wehnelt cylinder of said Braun tube, and smoothing means, one of said secondary windings connected on the one side to the cathode of said rectifier and on the other side to the anode of said Braun tube, the second to the filament of said Braun tube, the third to the filament of said rectifier tube, in the last circuit a thermostatic switch closing the circuit after a certain time interval the anode of said rectifier being connected directly to said Wehnelt cylinder and via a resistance to said cathode of the Braun tube, said smoothing means comprising at least condensers connected on the one hand across the Wehnelt cylinder and the anode and on the other hand across the Wehnelt cylinder and the cathode of the Braun tube.

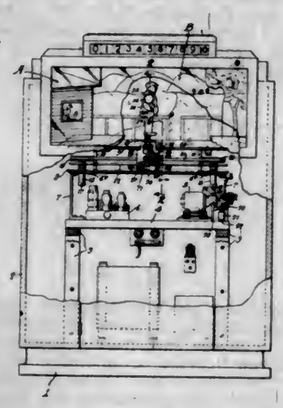
2,188,291
METHOD OF FORMING ROLLED SEAMS ON PRESERVE TINS AND THE LIKE
Herbert Zeigmeister, Hamburg-Wandsbek, Germany
Application November 30, 1937, Serial No. 177,232
In Germany December 3, 1936
2 Claims. (Cl. 113—120)



1. The method of making a sheet metal container having a side flanging seam provided with a packing strip consisting in cutting a blank for the body of the container; reducing the four corners of said blank to a depth equal to the width of material used in seaming; attaching to one of the opposing edges of the blank a packing strip of resilient material; forming radial outwardly directed flanges at the opposing edges of the blank, the flange at the edge to which the packing strip is attached being longer than the other flange; bringing the flanges together and rolling said flanges and the strip spirally together with the longer flange on the outside to form a longitu-

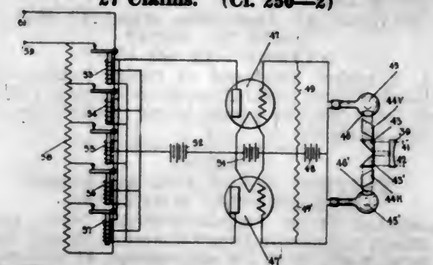
dinal seam; and compressing and depressing said seam so that it is flush with the surface of the container.

2,188,292
ELECTRIC TARGET MACHINE WITH REVERSING TARGET
Jawn R. Hall and William P. Falkenberg, Los Angeles, Calif., assignors to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma
Application August 25, 1939, Serial No. 291,858
20 Claims. (Cl. 273—105.2)



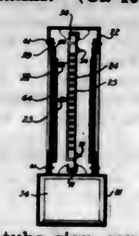
5. A target device including a guide, a carriage mounted for movement therealong, motor means adapted to reciprocate the carriage along the guide, a target having a plurality of faces movably mounted on the carriage, means associated with the carriage and target for moving the target with respect to the carriage upon a change of direction of carriage movement to bring a new face of the target into the view of an observer, photo-sensitive means on the carriage and operatively associated with the several faces of the target, means for controlling the motor means to cause a reversal thereof and bring about a change in direction of travel of the carriage along the guide, an electric connection for the photo-sensitive means operative independent of the position of the target and carriage, and an electric amplifying device in circuit with the photo-sensitive means, and the motor control means, whereby the current controlled in the photo-sensitive means by a flash of light directed upon the face of the target exposed to the observer and impinging upon said means causes the operation of the motor control to reverse the motor.

2,188,293
AUTOMATIC VEHICLE CONTROL SYSTEM
Allison R. Williams, Yazoo City, Miss.
Application April 29, 1937, Serial No. 139,816
27 Claims. (Cl. 250—2)



1. The combination with a dirigible vehicle, of a source of polarized light for projecting its beam outwardly from said vehicle; and means responsive to changes in the rate of movement of the vehicle for varying the character of the light transmitted by said light source.

2,188,294
GASEOUS TUBE SIGN
Florance Samuel Ganoung, Olean, N. Y.
Application June 24, 1938, Serial No. 215,593
7 Claims. (Cl. 40—133)



1. A gaseous tube sign construction comprising, in combination, a housing having an illuminated field opening, a diffusing material positioned in the said opening to form a closed housing, a bank of gaseous tube means, frame means for mounting the bank of gaseous tube means in the housing to protect same from dirt, insects, rain, sleet, ice and against breakage, means for slidably mounting the frame means in the housing, said bank of gaseous tube means being positioned at a distance from the diffusing material to produce an illuminated field of a substantially solid glowing back ground, opaque means having transparent character portions, and means for mounting the opaque means externally of the diffusing material to produce clean cut illuminated character through the transparent character portions.

DESIGNS

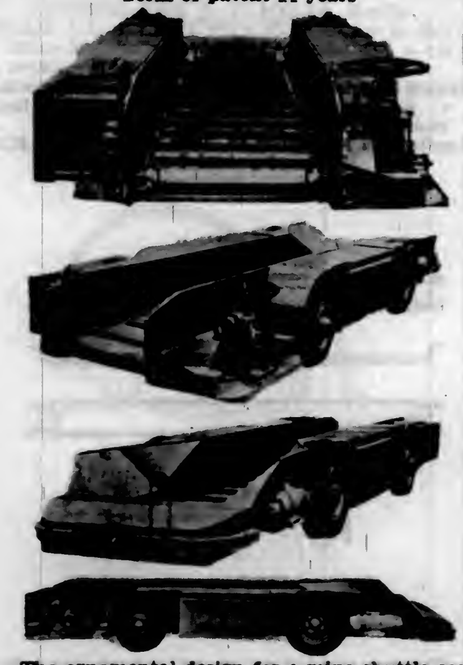
JANUARY 23, 1940

118,611
DESIGN FOR A BICYCLE FRAME
John R. Alexander, Paris, Tex.
Application November 13, 1939, Serial No. 88,243
Term of patent 14 years



The ornamental design for a bicycle frame, as shown.

118,612
DESIGN FOR A MINE SHUTTLE CAR
George Bacchli, Franklin, Pa., assignor to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania
Application November 16, 1939, Serial No. 88,330
Term of patent 14 years



The ornamental design for a mine shuttle car, as shown.

118,613
DESIGN FOR A METER FACE
Lawrence A. Blazey, Cleveland, Ohio, assignor to Benjamin F. W. Heyer, Tenafly, N. J.
Application November 14, 1939, Serial No. 88,255
Term of patent 7 years



The ornamental design for a meter face, as shown.

118,614
DESIGN FOR A BREAD TUBE FOR RECEIVING A SAUSAGE OR THE LIKE
Moses A. Brin, Chicago, Ill.
Application November 28, 1939, Serial No. 88,528
Term of patent 7 years



The ornamental design for a bread tube for receiving a sausage or the like, as shown and described.

118,615
DESIGN FOR A HOUSE NUMBER SIGN
Bert E. Chapman, Sanford, Fla.
Application December 12, 1938, Serial No. 81,748
Term of patent 7 years



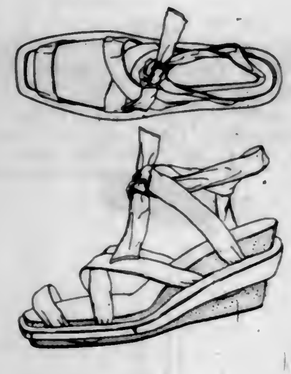
The ornamental design for a house number sign, as shown and described.

118,616
DESIGN FOR A SANDAL
Herman B. Delman, New York, N. Y.
Application November 24, 1939, Serial No. 88,459
Term of patent 3½ years



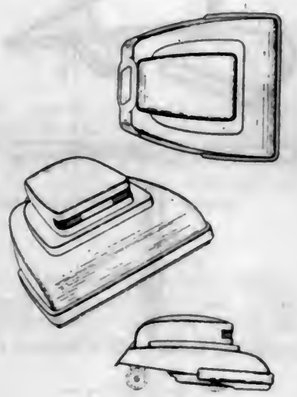
The ornamental design for a sandal, as shown.

118,617
DESIGN FOR A SANDAL
Herman B. Delman, New York, N. Y.
Application November 24, 1939, Serial No. 88,460
Term of patent 3½ years



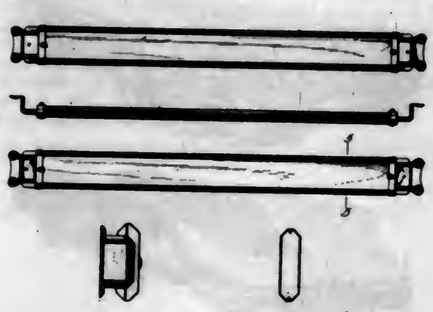
The ornamental design for a sandal, as shown.

118,618
DESIGN FOR A CASING FOR A SUCTION CLEANER OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 24, 1939, Serial No. 84,537
Term of patent 14 years



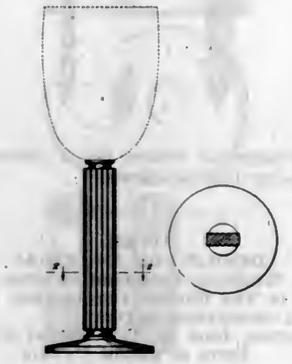
The ornamental design for a casing for a suction cleaner or similar article, as shown.

118,619
DESIGN FOR A PUSH BAR
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application November 20, 1939, Serial No. 88,372
Term of patent 7 years



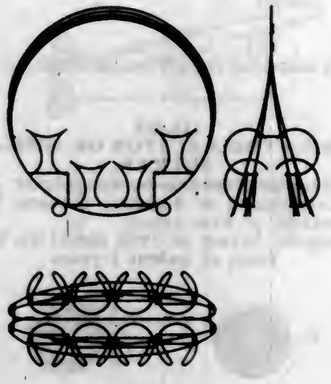
The ornamental design for a push bar, substantially as shown.

118,620
DESIGN FOR A GLASS
Edwin W. Fuerst, Toledo, Ohio, and Walter D. Teague, New York, N. Y., assignors to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 23, 1939, Serial No. 85,148
Term of patent 7 years



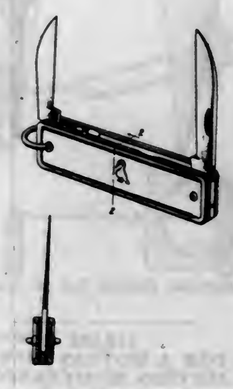
The ornamental design for a glass, substantially as shown and described.

118,621
DESIGN FOR A TUMBLER RACK
Adolph J. Havlis, Oak Park, Ill., assignor to Keystone Metal Products Co., Chicago, Ill., a corporation of Illinois
Application September 20, 1939, Serial No. 87,299
Term of patent 3½ years



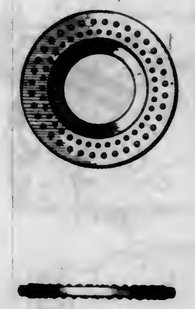
The ornamental design for a tumbler rack, substantially as shown.

118,622
DESIGN FOR A POCKETKNIFE
Hubert J. Haydel, New Orleans, La.
Application November 24, 1939, Serial No. 88,469
Term of patent 14 years



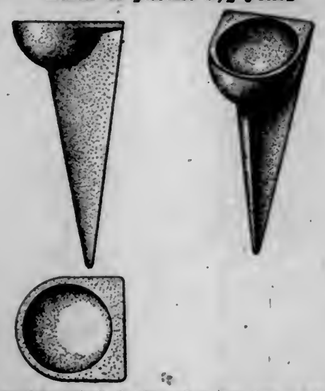
The ornamental design for a pocketknife, as shown and described.

118,623
DESIGN FOR A POKER CHIP
Victor E. Hofmann, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 18, 1939, Serial No. 88,352
Term of patent 7 years



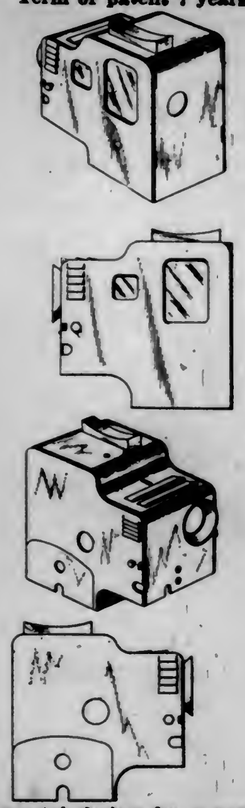
The ornamental design for a poker chip, substantially as shown.

118,624
DESIGN FOR AN ICE CREAM CONE
William A. Houston, Bayonne, N. J.
Application July 25, 1939, Serial No. 86,235
Term of patent 3½ years



The ornamental design for an ice cream cone, as shown.

118,625
DESIGN FOR A MOTION PICTURE PROJECTION HEAD CASING
Oscar Krastel, Columbus, Ohio
Application June 28, 1939, Serial No. 85,745
Term of patent 7 years



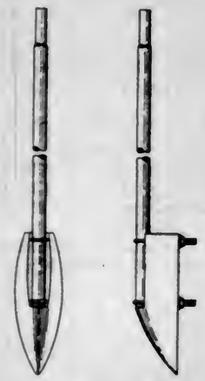
The ornamental design for a motion picture projection head casing, as shown.

118,626
DESIGN FOR A PRISMATIC PENDANT
Irving Levin, New York, N. Y., assignor to Elite Glass Co. Inc., New York, N. Y., a corporation of New York
Application September 7, 1939, Serial No. 87,077
Term of patent 3½ years



The ornamental design for a prismatic pendant, substantially as shown.

118,627
DESIGN FOR AN AERIAL
Leslie K. Wildberg, Cleveland Heights, Ohio, assignor to The Radiart Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 30, 1939, Serial No. 85,773
Term of patent 7 years



The ornamental design for an aerial, as shown.

118,628
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Harry Newman, Newark, N. J., assignor to Button Corporation of America, Newark, N. J., a corporation of New Jersey
Application August 30, 1938, Serial No. 79,644
Term of patent 7 years



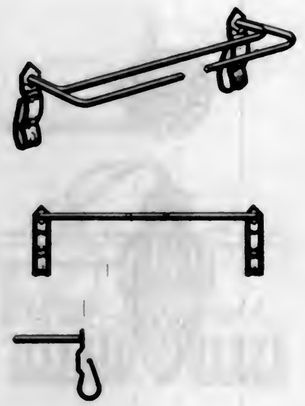
The ornamental design for a button or similar article, substantially as shown and described.

118,629
DESIGN FOR A TAPE DISPENSER
Jean Otis Reinecke, Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application November 24, 1939, Serial No. 88,451
Term of patent 14 years



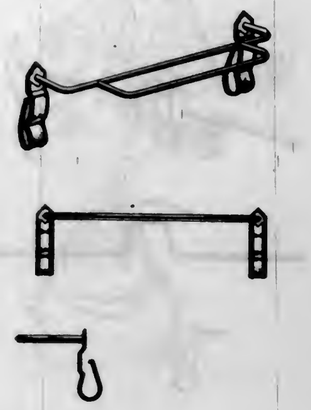
The ornamental design for a tape dispenser, as shown.

118,630
DESIGN FOR A DETACHABLE TOWEL RACK OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application November 6, 1939, Serial No. 88,060
Term of patent 7 years



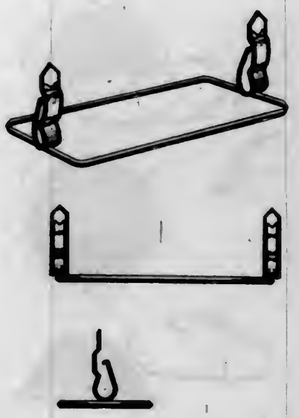
The ornamental design for a detachable towel rack or similar article, substantially as shown and described.

118,631
DESIGN FOR A DETACHABLE TOWEL RACK OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application November 6, 1939, Serial No. 88,062
Term of patent 7 years



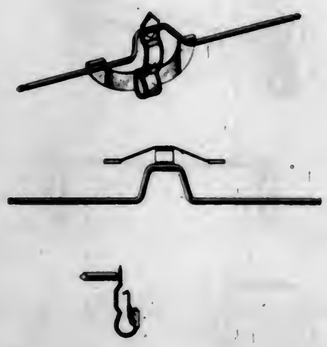
The ornamental design for a detachable towel rack or similar article, substantially as shown and described.

118,632
DESIGN FOR A DETACHABLE TOWEL RACK OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application November 6, 1939, Serial No. 88,063
Term of patent 7 years



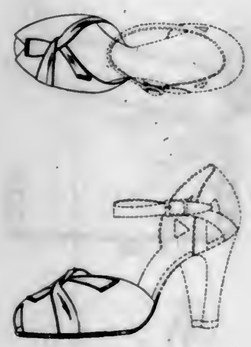
The ornamental design for a detachable towel rack or similar article, substantially as shown and described.

118,633
DESIGN FOR A DETACHABLE TOWEL RACK OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application November 6, 1939, Serial No. 88,064
Term of patent 7 years



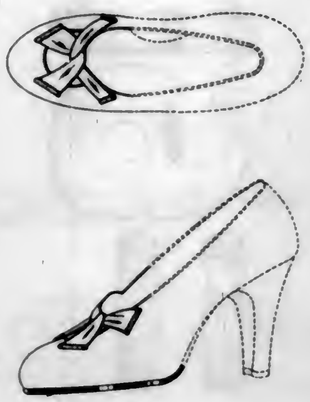
The ornamental design for a detachable towel rack or similar article, substantially as shown and described.

118,634
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,072
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown and described.

118,635
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application November 6, 1939, Serial No. 88,073
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown and described.

118,636
DESIGN FOR A SACHET BASKET
Thomas F. Bagshaw, San Francisco, Calif.
Application December 5, 1939, Serial No. 88,707
Term of patent 7 years



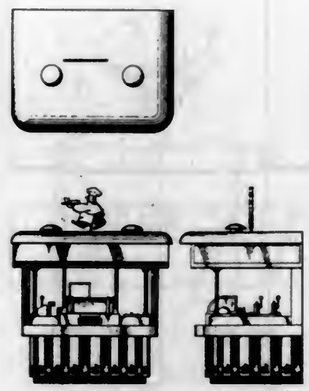
The ornamental design for a sachet basket substantially as shown and described.

118,637
DESIGN FOR A DESK OR THE LIKE
Kenneth C. Dyches, Buffalo Ridge, Va.
Application November 6, 1939, Serial No. 88,084
Term of patent 7 years



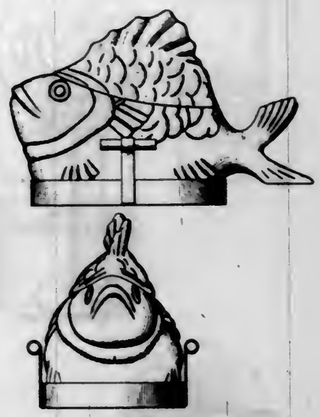
The ornamental design for a desk or the like, as shown and described.

118,638
DESIGN FOR A PORTABLE FOOD DISPENSER STAND
George L. Ely, New York, N. Y.
Application October 25, 1939, Serial No. 87,841
Term of patent 14 years



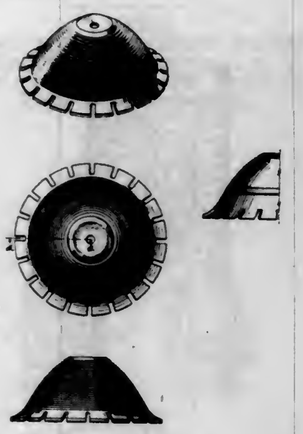
The ornamental design for a portable food dispenser stand, as shown.

118,639
DESIGN FOR A SERVING DISH
Jessie F. Hupp, Hollydale, Calif.
Application November 14, 1939, Serial No. 88,273
Term of patent 14 years



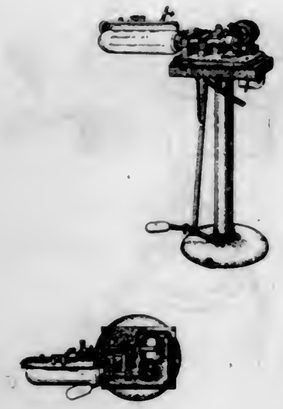
The ornamental design for a serving dish, as shown.

118,640
DESIGN FOR A FRUIT REAMER
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application May 15, 1939, Serial No. 84,995
Term of patent 14 years



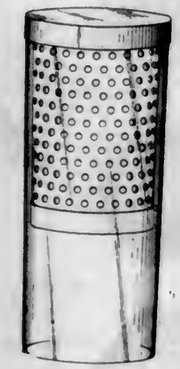
The ornamental design for a fruit reamer, substantially as shown.

118,641
DESIGN FOR AN IRONING MACHINE
Robert E. Maxant, Forest Park, Ill., assignor to Maxant Button and Supply Company, Chicago, Ill., a corporation of Illinois
Application November 10, 1939, Serial No. 88,187
Term of patent 7 years



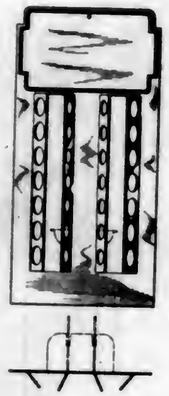
The ornamental design for an ironing machine, substantially as shown.

118,642
DESIGN FOR A WASHING DEVICE
John Brendan McDonnell and Richard Baum Raynolds, Tuckahoe, N. Y.
Application May 17, 1939, Serial No. 85,042
Term of patent 7 years



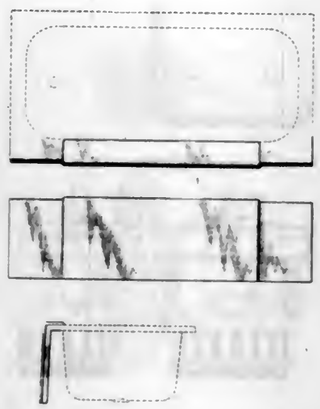
The ornamental design for a washing device, as shown.

118,643
DESIGN FOR DISPLAY CARD
William C. McKenna, Baltimore, Md., assignor to The Emerson Drug Company of Baltimore City, Baltimore, Md., a corporation of Maryland
Application November 10, 1939, Serial No. 88,199
Term of patent 14 years



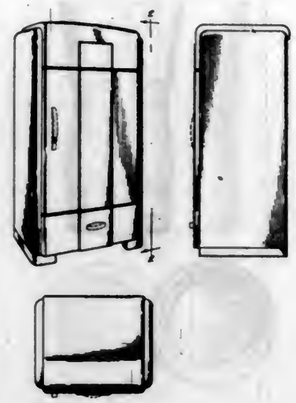
The ornamental design for display card, substantially as shown and described.

118,644
DESIGN FOR A BATHTUB
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 29, 1939, Serial No. 83,894
Term of patent 7 years



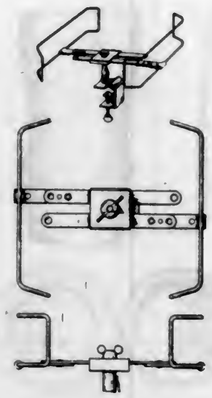
The ornamental design for a bathtub, substantially as shown.

118,645
DESIGN FOR A REFRIGERATOR CABINET OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sunbeam Electric Manufacturing Co., Evansville, Ind., a corporation of Indiana
Application July 8, 1939, Serial No. 85,923
Term of patent 3½ years



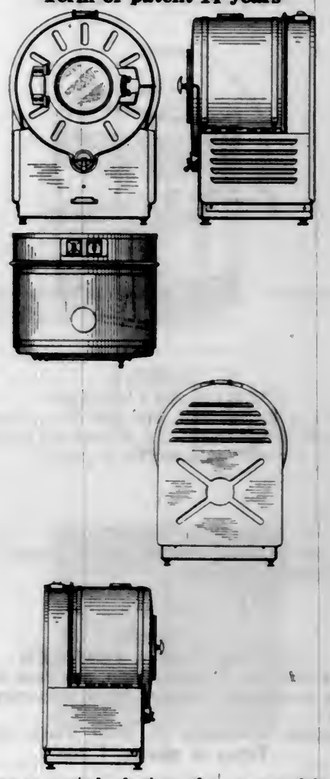
The ornamental design for a refrigerator cabinet or similar article, substantially as shown.

118,646
DESIGN FOR A COMBINATION WINDING AND DRYING RACK
Mitchel Morgan, Brooklyn, N. Y.
Application September 14, 1938, Serial No. 79,897
Term of patent 3½ years



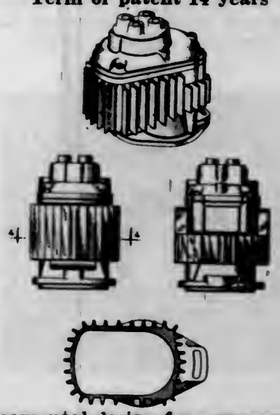
The ornamental design for a combination winding and drying rack, as shown and described.

118,647
DESIGN FOR A WASHING MACHINE
Wallace F. Oliver, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application July 12, 1939, Serial No. 85,959
Term of patent 14 years



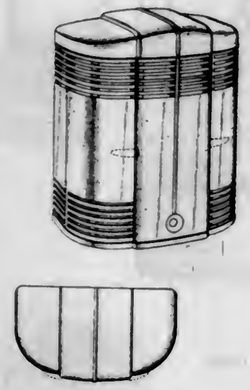
The ornamental design for a washing machine, substantially as shown.

118,648
DESIGN FOR A MAGNETO HOUSING
Peter Piffath, Great Neck, N. Y.
Application November 25, 1939, Serial No. 88,484
Term of patent 14 years



The ornamental design for a magneto housing, as shown.

118,649
DESIGN FOR A HEATER CABINET
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application September 18, 1939, Serial No. 87,265
Term of patent 3½ years



The ornamental design for a heater cabinet, substantially as shown.

118,650
DESIGN FOR A TUMBLER
Charles Sawyer, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 29, 1939, Serial No. 88,552
Term of patent 7 years



The ornamental design for a tumbler, substantially as shown.

118,651
DESIGN FOR A TUMBLER
Charles Sawyer, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 29, 1939, Serial No. 88,553
Term of patent 7 years



The ornamental design for a tumbler, substantially as shown.

118,652
DESIGN FOR A TUMBLER
Charles Sawyer, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 29, 1939, Serial No. 88,554
Term of patent 7 years



The ornamental design for a tumbler, substantially as shown.

118,653
DESIGN FOR A TUMBLER
Charles Sawyer, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 29, 1939, Serial No. 88,555
Term of patent 7 years



The ornamental design for a tumbler, substantially as shown.

118,654
DESIGN FOR A TUMBLER
Charles Sawyer, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 29, 1939, Serial No. 88,556
Term of patent 7 years



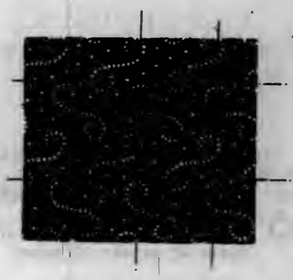
The ornamental design for a tumbler, substantially as shown.

118,655
DESIGN FOR AN ATOMIZER TRAY
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application November 17, 1939, Serial No. 88,333
Term of patent 3½ years



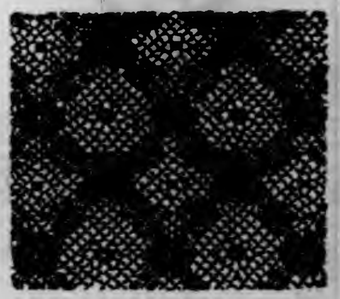
The ornamental design for an atomizer tray, substantially as shown.

118,656
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application December 11, 1939, Serial No. 88,822
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

118,657
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application December 11, 1939, Serial No. 88,821
Term of patent 3½ years



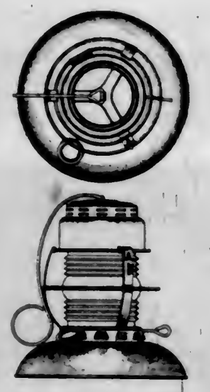
The ornamental design for a lace, substantially as shown.

118,658
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 27, 1939, Serial No. 87,888
Term of patent 14 years



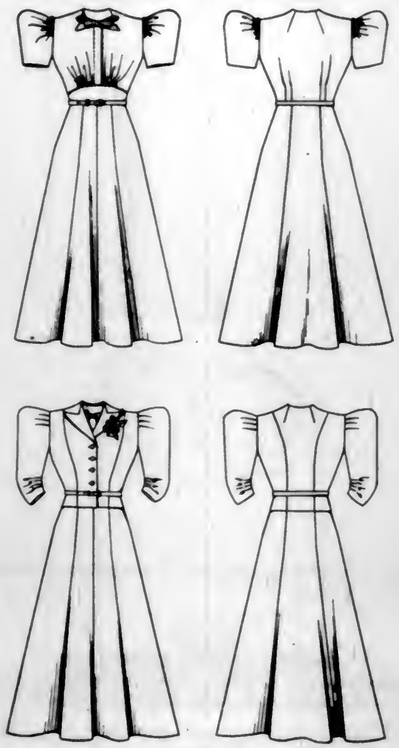
The ornamental design for an arm for lamp fixtures, as shown.

118,659
DESIGN FOR A LANTERN
Frederick B. Embury, Warsaw, N. Y., assignor to Embury Manufacturing Company, Warsaw, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 88,286
Term of patent 14 years



The ornamental design for a lantern, substantially as shown.

118,660
DESIGN FOR A DRESS ENSEMBLE
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,803
Term of patent 3½ years

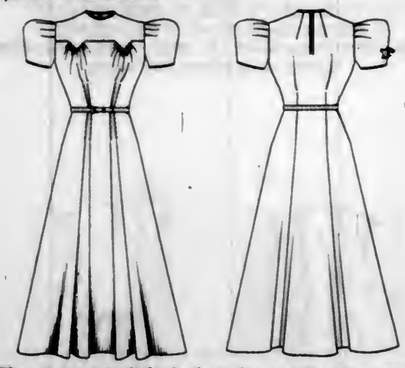


The ornamental design for a dress ensemble, substantially as shown.

118,661
DESIGN FOR A DRESS ENSEMBLE
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,804
Term of patent 3½ years

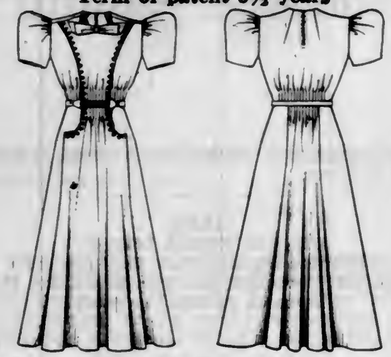


118,661—Continued



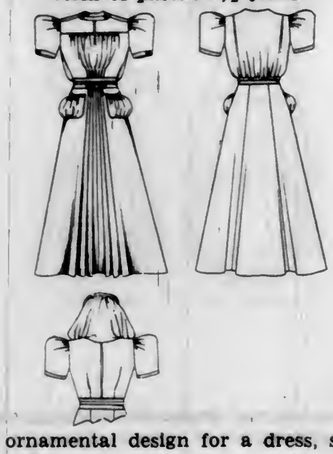
The ornamental design for a dress ensemble, substantially as shown.

118,662
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,806
Term of patent 3½ years



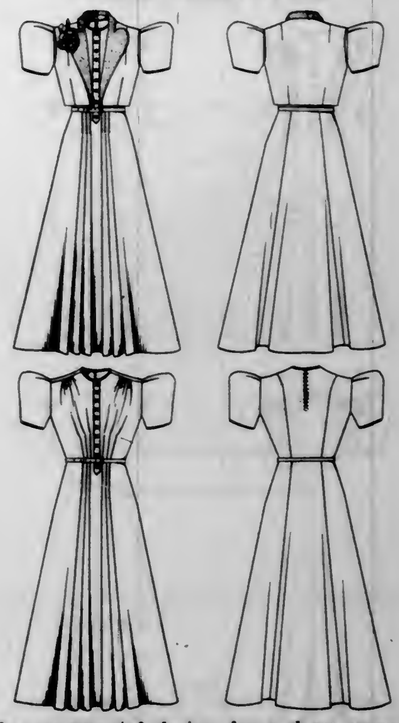
The ornamental design for a dress, substantially as shown.

118,663
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,807
Term of patent 3½ years



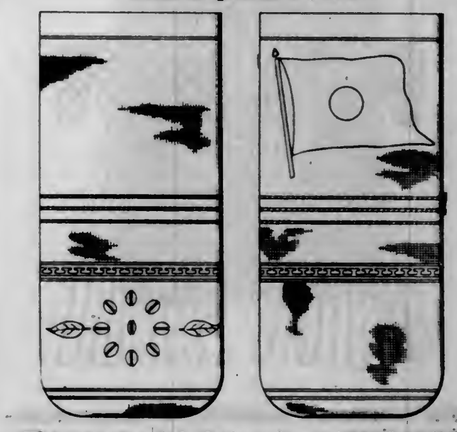
The ornamental design for a dress, substantially as shown.

118,664
DESIGN FOR A DRESS ENSEMBLE
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,809
Term of patent 3½ years



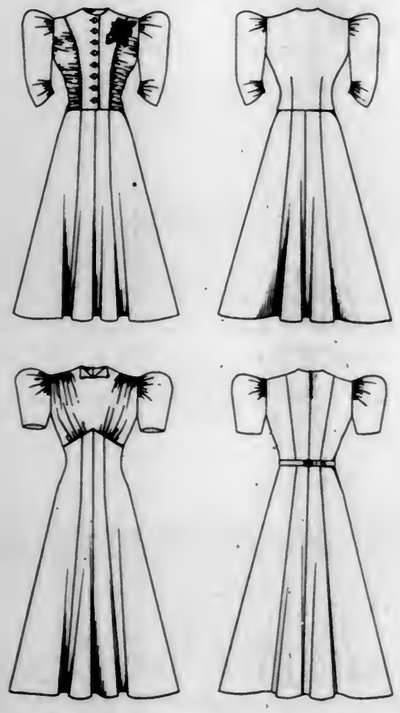
The ornamental design for a dress ensemble, substantially as shown.

118,665
DESIGN FOR A MERCHANDISING SACK OR SIMILAR CONTAINER
Hal K. Knowles and William Fleming, New Orleans, La.
Application November 9, 1939, Serial No. 88,165
Term of patent 7 years



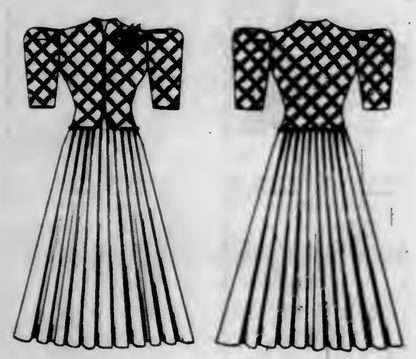
The ornamental design for a merchandising sack or similar container, as shown.

118,666
DESIGN FOR A DRESS ENSEMBLE
Joseph Lane, New York, N. Y.
Application December 11, 1939, Serial No. 88,800
Term of patent 3½ years



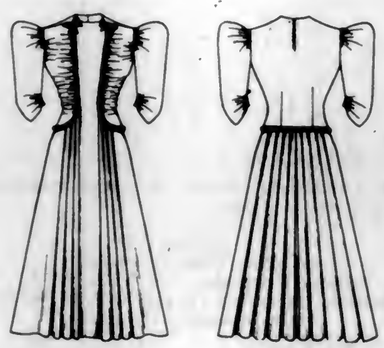
The ornamental design for a dress ensemble, substantially as shown.

118,667
DESIGN FOR A DRESS
Joseph Lane, New York, N. Y.
Application December 11, 1939, Serial No. 88,801
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,668
DESIGN FOR A DRESS
Joseph Lane, New York, N. Y.
Application December 11, 1939, Serial No. 88,802
Term of patent 3½ years



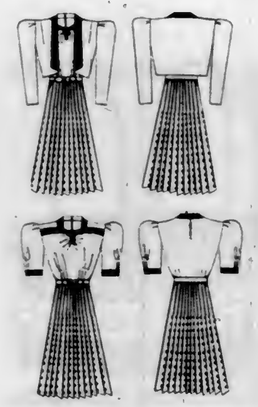
The ornamental design for a dress, substantially as shown.

118,669
DESIGN FOR A DRESS
Christine Mazola, New York, N. Y.
Application December 11, 1939, Serial No. 88,795
Term of patent 3½ years



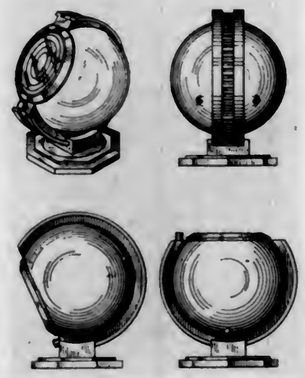
The ornamental design for a dress, substantially as shown.

118,670
DESIGN FOR A DRESS ENSEMBLE
Christine Mazola, New York, N. Y.
Application December 11, 1939, Serial No. 88,796
Term of patent 3½ years



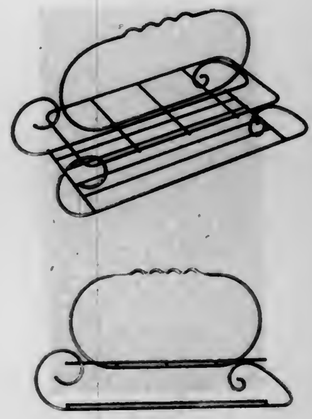
The ornamental design for a dress ensemble, substantially as shown.

118,671
DESIGN FOR A LIGHT PROJECTING FIXTURE OR SIMILAR ARTICLE
Jo Mielziner, New York, N. Y., assignor to Century Lighting, Inc., a corporation of New York
Application November 16, 1939, Serial No. 88,320
Term of patent 14 years



The ornamental design for a light projecting fixture or similar article, as shown.

118,672
DESIGN FOR A COMBINED RACK AND CARRIER
Anthony W. Planeta, Rahway, N. J.
Application November 4, 1939, Serial No. 88,042
Term of patent 7 years



The ornamental design for a combined rack and carrier, as shown.

118,673
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application December 13, 1939, Serial No. 88,853
Term of patent 3½ years



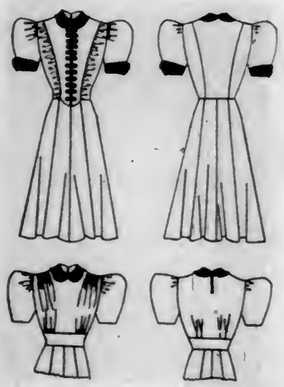
The ornamental design for a textile fabric, substantially as shown.

118,674
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application December 13, 1939, Serial No. 88,856
Term of patent 3½ years



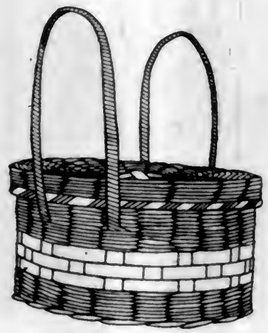
The ornamental design for a textile fabric, substantially as shown.

118,675
DESIGN FOR A DRESS ENSEMBLE
Anna Schwartz, New York, N. Y.
Application December 15, 1939, Serial No. 88,901
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,676
DESIGN FOR A BASKET
Harold N. Stoehr, Cedar Rapids, Iowa
Application October 19, 1939, Serial No. 87,736
Term of patent 7 years



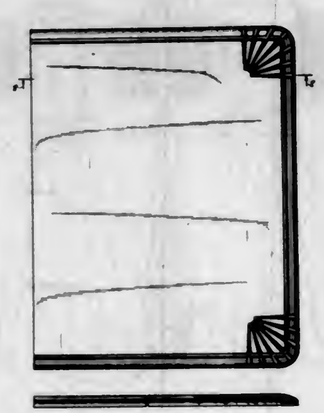
The ornamental design for a basket, as shown.

118,677
DESIGN FOR A BASKET
Harold N. Stoehr, Cedar Rapids, Iowa
Application October 19, 1939, Serial No. 87,737
Term of patent 7 years



The ornamental design for a basket, as shown.

118,678
DESIGN FOR A BOOK COVER OR SIMILAR ARTICLE
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 88,697
Term of patent 14 years



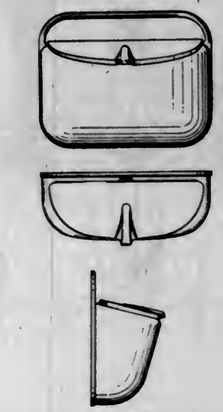
The ornamental design for a book cover or similar article, substantially as shown and described.

118,679
DESIGN FOR A RUG OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application December 5, 1939, Serial No. 88,692
Term of patent 7 years



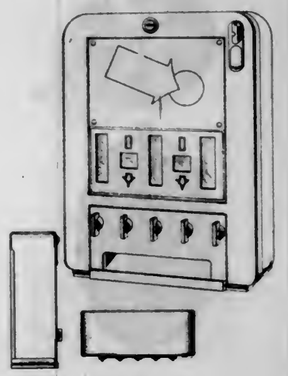
The ornamental design for a rug or similar article, substantially as shown.

118,680
DESIGN FOR AN ASH RECEIVER OR THE LIKE
John Visser, Grand Rapids, Mich., assignor to F. L. Jacobs Company, Grand Rapids, Mich., a corporation of Michigan
Application April 28, 1939, Serial No. 84,650
Term of patent 7 years



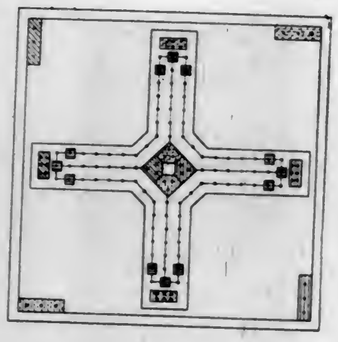
The ornamental design for an ash receiver or the like, substantially as shown.

118,681
DESIGN FOR A VENDING MACHINE CABINET
Christian Gabrielsen, Belleville, N. J., assignor to Rowe Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application May 16, 1939, Serial No. 85,017
Term of patent 7 years



The ornamental design for a vending machine cabinet, as shown.

118,682
DESIGN FOR A GAME BOARD
Victor D. Keller, Coffeyville, Kans., assignor of one-half to Marion C. Hayes, Caney, Kans.
Application July 7, 1939, Serial No. 85,868
Term of patent 7 years



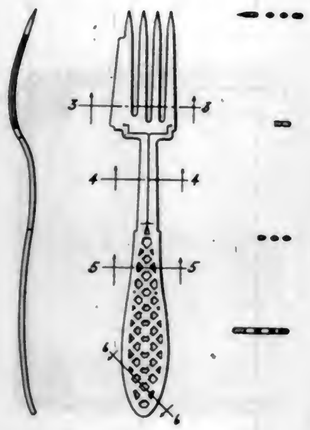
The ornamental design for a game board, as shown and described.

118,683
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application October 12, 1939, Serial No. 87,639
Term of patent 14 years



The ornamental design for a Christmas tree ornament, as shown and described.

118,684
DESIGN FOR A FORK
Levi S. Mast, Wichita, Kans.
Application November 17, 1939, Serial No. 88,342
Term of patent 14 years



The ornamental design for a fork, as shown.

118,685
DESIGN FOR A DRESS
Albert Rinaldi and Greta Pearson, New York, N. Y.
Application December 15, 1939, Serial No. 88,903
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,686
DESIGN FOR A DRESS
Albert Rinaldi and Greta Pearson, New York, N. Y.
Application December 15, 1939, Serial No. 88,904
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,687
DESIGN FOR A DRESS
William Skolnick, New York, N. Y.
Application December 15, 1939, Serial No. 88,906
Term of patent 3½ years



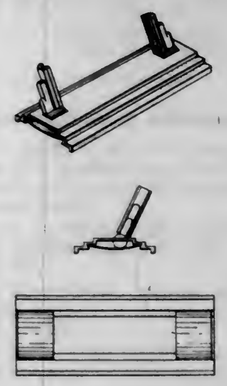
The ornamental design for a dress, substantially as shown.

118,688
DESIGN FOR A DRESS
William Skolnick, New York, N. Y.
Application December 15, 1939, Serial No. 88,907
Term of patent 3½ years



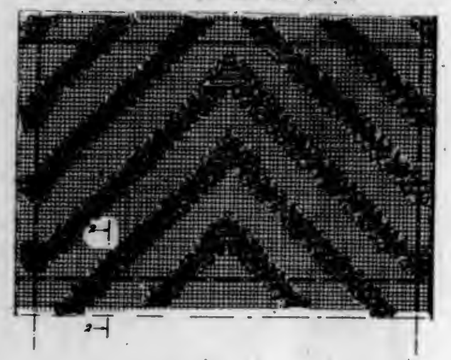
The ornamental design for a dress, substantially as shown.

118,689
DESIGN FOR A SUPPORT FOR DISPLAYING PHOTOGRAPHS, CARDS, AND SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1939, Serial No. 87,380
In Great Britain June 15, 1939
Term of patent 7 years



The ornamental design for a support for displaying photographs, cards, and similar articles, as shown.

118,690
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edmond P. Bixer, New York, N. Y.
Application July 13, 1938, Serial No. 78,445
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

118,691
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application December 2, 1939, Serial No. 88,631
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 510—No. 5 TUESDAY, JANUARY 30, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF JANUARY 30, 1940	959
NOTICES OF CANCELLATION	959
ADVERSE DECISIONS IN INTERFERENCE	959
NOTICE—ATTORNEY'S ADDRESS	959
APPLICATIONS UNDER EXAMINATION	960
DECISIONS OF THE U. S. COURTS—	
In re King et al	961
PATENT SUITS	962
DISCLAIMERS	964
CHANGES IN CLASSIFICATION	964
BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS	966
TRADE-MARKS PUBLISHED (132 APPLICATIONS)	969
TRADE-MARK REGISTRATIONS GRANTED	986
TRADE-MARK REGISTRATIONS RENEWED	992
LABELS	994
PRINTS	994
REISSUES	995
PLANT PATENTS	996
PATENTS GRANTED	997
DESIGNS	1136

January 30, 1940

Trade-Marks	155—No.	374,835 to No.	374,989, inclusive.
T. M. Renewals	41		
Labels	23—No.	54,220 to No.	54,242, inclusive.
Prints	15—No.	17,810 to No.	17,824, inclusive.
Reissues	5—No.	21,336 to No.	21,340, inclusive.
Plant Patents	5—No.	356 to No.	360, inclusive.
Patents	600—No.	2,188,295 to No.	2,188,894, inclusive.
Designs	117—No.	118,694 to No.	118,806, inclusive.
Total	961		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Jan. 4, 1940.*

M. Zigelman, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Old Quaker Company, Lawrenceburg, Ill., to effect the cancellation of trade-mark registration No. 173,947, issued October 2, 1923, to M. Zigelman, 2218 South Broadway, St. Louis, Mo., and a notice of such proceeding sent by registered mail to said M. Zigelman at said address having been returned by the post office as undeliverable, notice is hereby given that unless said M. Zigelman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Jan. 10, 1940.*

Charles M. Huette, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The H. C. Godman Company, Columbus, Ohio, to effect the cancellation of trade-mark registration of Charles M. Huette, 420 N. Sixth St., St. Louis, Mo., No. 255,767, dated April 30, 1929, and the notice of such proceeding sent by registered mail to the said Charles M. Huette at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Charles M. Huette, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Jan. 15, 1940.*

Ben W. Thompson, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The National Marking Machine Company, 4026–30 Cherry St., Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Ben W. Thompson, 3630 Eighth Ave., Los Angeles, Calif., No. 273,522, dated August 5, 1930, and the notice of such proceeding sent by registered mail to the said Ben W. Thompson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Ben W. Thompson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,015,658, F. K. Bezzenberger, Method of forming abrasive articles, decided January 8, 1940, claims 1, 2, 3, 15, 16, 17, and 18.

Pat. 2,124,549, T. A. Dicke, Propeller blade, decided December 20, 1939, claims 1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 15, 16, 18, 19, and 20.

Pat. 2,166,629, H. D. White, Refrigerator cabinet construction, decided December 14, 1939, claims 10 and 11.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Condition of Applications Under Examination at Close of Business January 13, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,301; Trade-Mark Division, 1,482. Oldest new case, May 29, 1939; oldest amended, May 20, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 4	Aug. 3	604
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 5	May 20	885
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 13	Nov. 14	320
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Aug. 14	July 26	608
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Oct. 16	Oct. 16	443
4606C	6. LEWERS, A. M., Carbon Chemistry (part)	July 17	July 13	971
5725	7. JARBOE, C. G., Optics; Photography	Sept. 11	Sept. 11	962
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 22	July 5	1,097
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 15	July 17	760
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Sept. 2	Oct. 2	529
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 18	Sept. 19	470
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 19	July 20	466
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 3	Aug. 7	724
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Oct. 30	Oct. 18	469
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 19	July 19	1,388
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 14	Aug. 17	701
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 16	Aug. 25	710
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 5	Aug. 23	571
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 28	Sept. 16	502
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 12	Sept. 15	364
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 15	Sept. 14	493
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 19	June 19	1,089
7624	23. BUTTNER, W. J., Registers (part)	June 30	July 1	311
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 29	June 1	1,372
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 15	Sept. 18	621
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 21	Aug. 14	511
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	June 28	June 19	1,041
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Aug. 31	Aug. 18	514
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 19	July 19	815
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 14	Aug. 14	861
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 13	Sept. 13	990
4096	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 9	Oct. 4	382
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 22	Aug. 18	999
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Nov. 4	Oct. 30	243
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 14	Aug. 11	736
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 28	Aug. 11	652
5896B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 3	July 31	753
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 4	July 10	813
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 7	Sept. 8	616
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 19	June 21	1995
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 24	Aug. 17	288
5832	42. CUTTING, H. O., Electric Signaling	June 19	June 22	717
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 6	Sept. 2	503
4087B	44. HARVEY, L. P., Refrigeration	Aug. 15	Aug. 14	688
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Sept. 8	Sept. 28	563
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 16	Aug. 19	738
6082	47. LOWE, E. R., Clutches; Brakes	Sept. 18	Sept. 18	531
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 7	Sept. 8	473
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 7	July 7	987
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 16	Aug. 16	1340
5628	51. BACKUS, C. D., Radiant Energy (part)	Oct. 25	Oct. 24	666
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 15	Sept. 25	703
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 25	Oct. 8	314
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 24	Oct. 18	292
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Aug. 28	Aug. 28	452
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 14	July 14	1294
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 19	Aug. 28	448
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 18	Aug. 12	482
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 7	Aug. 8	895
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 12	Sept. 16	434
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 10	Aug. 8	619
5621	62. PUGH, E. C., Games; Geometrical Instruments	Oct. 24	Oct. 27	398
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 8	July 5	1066
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Sept. 27	Sept. 25	734
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 14	Aug. 11	519
2000B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Dec. 1	Dec. 13	1424
2605	Designs: H. H. KALUPY (Labels and Prints	Jan. 8	Jan. 2	58
		Nov. 20	Dec. 7	807

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE KING ET AL.

No. 4,184. Decided December 4, 1939

[107 F.(2d) 618]

1. INVENTION—DISCOVERY OF A PROPERTY POSSESSED BY AN OLD SUBSTANCE.

Where the therapeutic properties of hexuronic acid, while not recognized by others, were inherent therein and the prior art substance could be employed in medicine exactly in the same fashion and with the same results as the product of the appealed claims *Held* that there was no invention in the discovery that vitamin C is hexuronic acid.

2. PATENTABILITY—FACT THAT OTHERS HAVE OBTAINED PATENTS IS IRRELEVANT.

"Under a long line of decisions by this court, the fact that others have obtained patents is irrelevant on the question of the patentability of appellants' rejected claims."

3. INVENTION—NOT PREDICATED BY DIFFERENCE IN DEGREE OF PURITY.

"Difference in degree of purity itself does not predicate invention. *In re Mertz*, 25 C. C. P. A. (Patents) 1314, 97 F.(2d) 599, 497 O. G. 547; *In re Macallum et al.*, 26 C. C. P. A. (Patents) 1026, 102 F.(2d) 614, 503 O. G. 309."

4. PATENTABILITY—THERAPEUTIC AGENT AND PROCESS OF PREPARING SAME.

Claims for a therapeutic agent and certain claims for a process of preparing same *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Whittemore, Hulbert and Belknap (*Mr. Clarence B. Zewadski, Mr. L. Gaylord Hulbert* and *Mr. George A. Degnan* of counsel) for King.

Mr. Howard S. Miller for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting claims 3, 5, 10 and 13 to 23 inclusive of an application for a patent for alleged new and useful improvements in "Composition of Matter and Process of Preparing the Same."

Both process and product claims are involved and they relate to a therapeutic agent having antiscorbutic activity and to a method of producing and administering the same. Two method claims describing the isolating of vitamin C from lemon juice were allowed.

Claims 3, 5, and 10 are illustrative of the subject matter and read as follows:

3. As a therapeutic product useful for its vitamin C potency, the substance hexuronic acid C, a white crystalline solid melting at 190 to 192° C. and having a vitamin C potency such that .5 to .75 mg. per day protects from scurvy guinea pigs maintained on a scorbutic diet.

5. A product comprising an edible food having incorporated therein hexuronic acid C, a white crystalline substance melting at 190 to 192° C.

10. The method of making food products having high concentration of vitamin C comprising incorporating in food products hexuronic acid C.

The reference relied upon is:

Szent-Gyorgyi—Observations on the Function of Peroxidase Systems and the Chemistry of the Adrenal Cortex. Description of a New Carbohydrate Derivative. Biochemical Journal, 1928, pages 1387–1409.

Additional art cited was:

King, G. C.—Vitamin C, Ascorbic Acid. Physiological Reviews, April 1936, pages 238–262.

Sherman and Smith—The Vitamins, Second Edition, 1931, pages 13, 14, 148–220.

Zilva—The Antiscorbutic Fraction of Lemon Juice. Biochemical Journal, volume 18, 1924, pages 632–637.

Grettie and King—Journal of Biological Chemistry, volume 84—1929, pages 771–6.

Sipple and King—Journal of the American Chemical Society, volume 52, 1930, pages 420 to 423.

For hundreds of years in has been known that lemon juice had therapeutic properties and usefulness in the prevention and treatment of scurvy. Lemon juice was known for that reason as an antiscorbutic. The component contained in the lemon juice having the said therapeutic property has been called vitamin C for many years. It had never been recognized as such until, after much research, appellants did so recognize it. After appellants had isolated the substance, they determined its exact chemical and physical properties including melting point and empirical and structural formulae. Now the said vitamin may be made synthetically from certain sugars.

Appellants called the vitamin "hexuronic acid C." It is now known as vitamin C, hexuronic acid or hexuronic acid C, ascorbic acid and cevitamic acid, the formula being $C_6H_8O_6$.

After appellants had found that hexuronic acid was vitamin C it was then discovered that Szent-Gyorgyi had previously reported that a compound he had isolated from the adrenal glands of animals had for its empirical formula $C_6H_8O_6$, and it was designated by Szent-Gyorgyi as hexuronic acid. Following Szent-Gyorgyi's isolation of hexuronic acid from adrenal glands, he found that he could obtain an identical compound from orange juice or cabbage. Szent-Gyorgyi did not recognize his product as vitamin C and referred to it as a "reducing factor" (a substance or substances which can remove oxygen from or add hydrogen to other substances, or produce equivalent chemical changes). Appellants knew that hexuronic acid was vitamin C and, therefore, realized that when it was added to foods lacking the vitamin it gave the food antiscorbutic properties.

The Examiner held as the two main grounds for rejecting the appealed product claims that there was no invention in separating a product from its impurities and that it is not invention to discover a new property of a substance which is old in the art.

The Board of Appeals in its general affirmance of the decision of the Examiner held that the appealed claims are unpatentable over the Szent-

Gyorgyi reference and did not deem it necessary to discuss the other grounds of rejection in detail.

The brief of appellants states that the only question involved here is one of law. We agree with appellants. They put the question as follows:

> Are the appellants, King and Waugh, who first isolated from lemon juice crystals of a pure chemical compound, and who first taught the public that these crystals had the antiscorbutic activity of vitamin C, entitled to a patent for this discovery in view of the fact that these crystals were afterwards found to be the same chemical compound that was described in a prior publication by Szent-Gyorgyi as a "Reducing Factor" relating to the mechanism of biological oxidation of plant tissues, which publication, however, failed to disclose that the compound had antiscorbutic properties and did not teach the public and the many research men who were attempting to isolate vitamin C that this compound was in fact vitamin C?

None of the involved process claims are directed to the isolation of vitamin C from lemon juice. We do not deem it necessary to discuss the claims separately for the reason that if appellants are not entitled to receive a patent for the rejected claims in view of the prior art of Szent-Gyorgyi, the decision appealed from must be affirmed.

The substance produced by Szent-Gyorgyi is identical with the substance produced by appellants. In fact it was pure vitamin C even though not so recognized by Szent-Gyorgyi. Szent-Gyorgyi produced hexuronic acid and made public his findings years before appellants' application was filed.

Appellants were not the first to discover or produce hexuronic acid in its pure form which is vitamin C. They did not discover that vitamin C is a specific for scurvy. Appellants contend it was invention to have discovered that hexuronic acid C is vitamin C. Had the substance not been known before it was isolated by appellants there would be force to the contention. All they did, however, was to produce a compound that was old in the art as is shown by the publication of Szent-Gyorgyi.

[1] The therapeutic properties of hexuronic acid, while not recognized by Szent-Gyorgyi were unquestionably inherent therein. The substance of Szent-Gyorgyi could be employed in medicine exactly in the same fashion and with the same results as the product of the appealed claims. Therefore, there was no invention in the discovery that vitamin C is hexuronic acid. As we stated in *In re Newton*, 25 C. C. P. A. (Patents) 1106, 96 F.(2d) 291, 496 O. G. 14:

> Even though appellants may have found a new property possessed but not even thought of by Ellis, they are not entitled to a patent. Apparently appellants have disclosed properties that were not disclosed in the references. On this state of facts we think the law has been settled in the case of *In re James*, 23 C. C. P. A. (Patents) 1124, 83 F.(2d) 313.

Appellants also contend that they have discovered a new use of an old substance as illustrated in claim 5 and because of an alleged new use are entitled to have such claims allowed.

Several authorities are cited in support of this contention. The case of *In re Sibley*, 24 C. C. P. A. (Patents) 1143, 88 F.(2d) 960, 485 O. G. 21, is stressed in this respect. We are of opinion that the legal question there presented is not the question presented here. In that case the question was whether it was invention to substitute in a general combination a different specific anti-oxidant from that which was shown in the combination reference. That question is not in this case. We have examined the other authorities cited by appellants on this contention and they do not appear to support it.

We have hereinbefore concluded that ordinarily no invention exists in the discovery of a property possessed by an old substance and it must necessarily follow that broadly the adding of such substance to a food to produce an already known effect likewise cannot be invention. Therefore, claim 5 does not constitute invention.

[2] Appellants have cited a patent as indicating that they are equally entitled to a patent on the rejected claims. Under a long line of decisions by this court, the fact that others have obtained patents is irrelevant on the question of the patentability of appellants rejected claims. *In re Fischer*, 24 C. C. P. A. (Patents) 1344, 91 F.(2d) 219, 485 O. G. 761, and the cases cited therein.

[3] It is quite clear that the decision of the Examiner rejecting claims, such as claim 3, on the ground that they merely define the product in a purified form was proper. Lemon juice has been known for ages as a satisfactory specific for scurvy. Therefore, the case of *Parke, Davis & Co.* v. *Mulford*, 196 Fed. 496, wherein it is shown that the old source of adrenalin was most unsatisfactory, referred to by appellants is inapplicable. In the instant case hexuronic acid C was isolated from other substances comprising lemon juice. Difference in degree of purity itself does not predicate invention. *In re Mertz*, 25 C. C. P. A. (Patents) 1314, 97 F.(2d) 599, 497 O. G. 547; *In re Macallum et al.*, 26 C. C. P. A. (Patents) 1026, 102 F.(2d) 614, 503 O. G. 309.

[4] Since we find no error in the rejection of the appealed claims the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,507,016, L. de Forest, Radiosignaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,573,374, P. A. Chamberlain, Radio condenser; 1,734,038, L. Levy, Electrical transmission of energy; 1,869,323, P. H. Evans, Communication system; 1,936,162, R. A. Heising, Transmission system; 2,052,316, R. E. Sagle, Variable condenser, filed Oct. 20, 1939, D. C., S. D. N. Y., Doc. 6/107, *Radio Corp. of America et al.* v. *S. Solat et al.*

1,507,017. (See 1,507,016.)

1,508,504, J. Brown, Heel for boots and shoes, filed Sept. 11, 1939, D. C. N. J., Doc. 523, *Comolite Corp.* v. *Standard Footwear, Inc.*

1,540,340, C. Kesses, Photo-enlarging machine, filed Oct. 21, 1939, D. C., S. D. N. Y., Doc. 6/121, *C. Kesses* v. *Eastman Kodak Co. of N. Y.*

1,573,374. (See 1,507,016.)

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, filed Aug. 28, 1939, D. C. N. J., Doc. 498, *F. B. Killian et al.* v. *Tecla Chemical Corp.*

1,734,038. (See 1,507,016.)

1,736,533, Irwin & Bekins, End extension table, filed Oct. 13, 1939, D. C., N. D. Ill., E. Div., Doc. 1015, *R. W. Irwin Co.* v. *Empire Table Co., Inc.*

1,749,656, D. H. Zell, Vanity cases; 2,010,909, same, Vanity case and analogous article, filed Oct. 25, 1939, D. C., S. D. N. Y., Doc. 6/163, *Zell Products Corp. et al.* v. *Rex Products Corp. et al.*

1,753,775, J. A. DeCew, Method of sizing paper pulp; 2,041,285, same, Paper sizing, filed Aug. 18, 1939, D. C. N. J., Doc. 488, *J. A. DeCew et al.* v. *Union Bag & Paper Corp.*

1,766,971, K. C. Augenstein, Flexible band, filed Oct. 9, 1939, D. C. N. J., Doc. 566, *Forstner Chain Corp.* v. *Gemex Co.*

1,825,736, Klein & Szegvari, Method for the production of rubber goods directly from latex; 1,996,051, D. F. Twiss, Method and form for manufacturing rubber goods from an aqueous dispersion of rubber; 1,908,719, E. A. Willson, Method for making shaped rubber articles; 1,924,214, E. B. Newton, Method of making articles from rubber dispersions, D. C., N. D. Ohio, W. Div., Doc. 4405, *American Anode, Inc.*, v. *The Pioneer Rubber Co.* Consent decree for plaintiff finding patents valid and infringed; injunction Oct. 31, 1939.

1,867,118, B. O. Tilden, Connection for water closet combinations, D. C. N. J., Doc. E 5862, *B. O. Tilden* v. *Standard Sanitary Mfg. Co., Inc.* Dismissed Aug. 29, 1939.

1,869,323. (See 1,507,016.)

1,880,381, H. Frings, Manufacture of vinegar, D. C. N. J., Doc. 111, *Standard Brands, Inc.*, v. *C. H. Owens et al.* Dismissed Aug. 24, 1939.

1,903,659, R. J. Smith, Machine and method for applying fastener elements; 2,169,176, N. J. Poux, Method of making separable fasteners, filed Oct. 31, 1939, D. C. N. J., Doc. 589, *Talon, Inc.*, v. *Conmar Products Corp.*

1,908,719. (See 1,825,736.) 1,924,214. (See 1,825,736.)

1,934,938. (See 2,115,967.) 1,936,162. (See 1,507,016.)

1,959,977. (See 2,002,441.)

1,980,089, E. Rice, Jr., Refrigeration; 2,065,985, 2,055,158, same, Method and apparatus for refrigeration, filed Oct. 31, 1939, D. C., W. D. Pa., Doc. 648, *International Carbonic Engineering Co. et al.* v. *The Schnabel Co. et al.*

1,984,134, Himmel & Himmel, Structural member, filed Oct. 31, 1939, D. C., S. D. Ind. (Indianapolis), Doc. 202, *The Himmel Bros. Co.* v. *The Serrick Corp.*

1,996,051. (See 1,825,736.)

2,002,441, I. R. Rock, Silhouette form; 1,959,977, C. P. Elvin, Display stand attachment, D. C., S. D. N. Y., Doc. E 86/245, *Silhouette Form Co., Inc.*, v. *J. Kamil* (*Adjusto Drape Form Co.*) *et al.* Consent decree as to Commercial Display Fixture Corp. Feb. 5, 1938. Consent decree as to J. Kamil Nov. 1, 1939.

2,007,082. (See Re. 20,544.)

2,010,909. (See 1,749,656.)

2,015,308, F. Heer, Jr., Bracelet fastener, filed July 27, 1939, D. C. N. J., Doc. 450, *Forstner Chain Corp.* v. *Gemex Co.*

2,026,393, O. E. Linck, Ant trap, D. C., S. D. N. Y., Doc. 4/152, *Solicide Laboratories* v. *R. H. Harkins* (*Nott Mfg. Co.*). Consent decree for plaintiff (notice Nov. 1, 1939).

2,039,326, H. S. Lukens, Pen; 2,133,995, same, Process for gold plating chromium alloy steels; 2,067,040, G. E. Bartol, Jr., Method of manufacturing pens; 2,133,996, J. E. Underwood, Art of gold plating, D. C. N. J., Doc. 209, *C. Howard Hunt Pen Co.* v. *Esterbrook Steel Pen Mfg. Co.* Consent judgment Sept. 13, 1939.

2,041,285. (See 1,753,775.)

2,043,739, Erickson & Gray, Method and apparatus for proportioning and mixing fruit, D. C., N. D. Calif., N. Div., Doc. 4039, *Barron-Gray Packing Co.* v. *Pacific Grape Products Co.* Consent judgment for plaintiff Oct. 30, 1939.

2,052,316. (See 1,507,016.) 2,055,158. (See 1,980,089.)

2,059,490, A. Reisig, Building unit, filed July 7, 1939, D. C. N. J., Doc. 431, *W. Reisig et al.* v. *Briktex, Inc.*

2,065,985. (See 1,980,089.) 2,067,040. (See 2,039,326.)

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes, filed Nov. 3, 1939, D. C. Minn., 4th Div., Doc. 200, *S. O. Blanc* v. *C. F. Moberg et al.* (*Electric Sewer Cleaning Co.*).

2,070,529. (See Re. 20,544.)

2,115,967, M. J. Schifrin, Composite fabric; 1,934,938, A. Benowitz, Manufacture of yarn, filed (notice received Nov. 1, 1939), D. C. N. J., Doc. 448, *M. J. Schifrin et al.* v. *O. J. Ciresa.*

2,119,005. (See Re. 20,544.)

2,131,791. (See Re. 20,544.)

2,133,995. (See 2,039,326.) 2,133,996. (See 2,039,326.)

2,148,612. (See Re. 20,544.)

2,149,128, Thorner & Perahia, Skirt, filed Oct. 28, 1939, D. C., S. D. N. Y., Doc. 6/181, *Correct Garment Co., Inc.*, v. *R. H. Macy & Co., Inc.*

2,151,907, L. R. Fink, Film processing device, filed July 25, 1939, D. C. N. J., Doc. 447, *Fink-Roselieve Co., Inc.*, v. *Elkay Photo Products, Inc.*

2,152,804, J. L. Hays, Truck for moving buildings, filed Nov. 3, 1939, D. C., E. D. Okla. (Muskogee), Doc. 177, *J. L. Hays* v. *C. A. White et al.*

2,154,581, R. H. Pershall, Closure attachment for containers, filed Oct. 14, 1939, D. C., N. D. Ill., E. Div., Doc. 1021, *Na-Mac Products Corp.* v. *Boston Store of Chicago.*

2,159,141. (See Re. 20,544.)

2,161,506, R. K. de Caracena, Leather jewelry, filed Oct. 13, 1939, D. C., S. D. N. Y., Doc. 6/67, *R. K. de Caracena* v. *Swank Products, Inc.*

2,169,176. (See 1,903,659.)

2,170,789, S. H. Smith, Egg turning mechanism for incubators, filed Nov. 1, 1939, D. C., S. D. Ohio (Dayton), Doc. 50, *S. H. Smith* v. *The Buckeye Incubator Co.*

Re. 19,282, F. Siama, Oxidation of sulfur dioxid and catalyst therefor, D. C. N. J., Doc. E 5878, *General Chemical Co.* v. *American Cyanamid Co.* Dismissed July 26, 1939.

Re. 20,544, C. W. Griffith, Shooting gallery; 2,159,141, W. P. Falkenberg, Electric rifle range; 2,070,529, same, Marksmanship practicing device; 2,007,082, C. W. Griffith, Marksmanship practicing means; 2,148,612, R. D. French, Electric target range; 2,119,005, A. J. Carter, Light gun; 2,131,791, same, Electric target rifle range, suit for declaratory judgment filed Oct. 7, 1939, D. C., N. D. Ill., E. Div., Doc. 1004, *Bally Mfg. Co.* v. *Rayolite Rifle Range Co. et al.*

Re. 20,996, H. C. Buffington, Scraper for grader, filed Oct. 7, 1939, D. C., N. D. Ill., E. Div., Doc. 1005, *The Baker Mfg. Co.* v. *Gar Wood Industries, Inc.*

Des. 94,261. (See Des. 115,977.)

Des. 102,517, Des. 102,518, Seibert & Williams, Grave marker; T. M. 342,395, J. H. Matthews & Co., same, D. C., S. D. Tex. (Houston), Doc. 115, *J. H. Matthews & Co.* v. *J. Dee* (*Bronze-Art Memorials*). Consent decree holding designs and trade-mark infringed; injunction Nov. 2, 1939.

Des. 102,518. (See Des. 102,517.)

Des. 109,687, M. Armao, Dress, D. C., S. D. N. Y., Doc. E 87/124, *J. Goldman et al.* v. *M. Rosen & Co.* Stipulation of discontinuance (notice Nov. 2, 1939).

Des. 114,311, M. Turpan, Textile fabric, filed Aug. 17, 1939, D. C. N. J., Doc. 486, *M. Turpan et al.* v. *Classic Weaving Corp. et al.*

Des. 115,887, H. Bayor, Dress, D. C., S. D. N. Y., Doc. 5/138, *Malbec Frocks, Inc.*, v. *Excellent Dresses, Inc.* Consent order of discontinuance (notice Nov. 2, 1939).

Des. 115,977, A. B. Collins, Service bill blank; Des. 94,261, same, Cut-out figure, filed Aug. 2, 1939, D. C. N. J., Doc. 456, *A. B. Collins* v. *Speedy Heet, Inc.*

Des. 116,001, K. Rost, Dress, filed Oct. 20, 1939, D. C., S. D. N. Y., Doc. 6/117, *Packard Dresses, Inc.*, v. *Slimbilt Dress Co., Inc.*

Des. 116,124, S. Novak, Dress ensemble, filed Oct. 2, 1939, D. C., N. D. Ill., E. Div., Doc. 989, *S. Novak* (*Flora Dress Co.*) v. *Mangel Stores, Inc.* Doc. 1013, *S. Novak* (*Flora Dress Co.*) v. *F. Schopp* (*Fancy Frocks Shop*). Same, D. C., S. D. N. Y., Doc. 6/197, *S. Novak* (*Flora Dress Co.*) v. *Dandy Dress, Inc.* Doc. 6/43, *S. Novak* (*Flora Dress Co.*) v. *S. Horowitz Dress Co.*

Des. 116,980, C. Mascitelli, Dress, filed Oct. 20, 1939, D. C., S. D. N. Y., Doc. 6/109, *New Deb Dance Frocks, Inc.*, v. *Young Modes, Inc.* Doc. 6/111, *New Deb Dance Frocks, Inc.*, v. *S. & M. Litt, Inc.*

Des. 117,028, L. Hoshafian, Dress, filed Oct. 18, 1939, D. C., S. D. N. Y., Doc. 6/91, *Roseweb Frocks, Inc.*, v. *Trussel Dress Co., Inc., et al.*

Des. 117,225, J. Chambart, Dress, filed Oct. 31, 1939, D. C., S. D. N. Y., Doc. 6/199, *M. Levine, Inc.*, v. *Camao & Wiener, Inc.*

T. M. 342,395. (See Des. 102,517.)

Disclaimers

1,809,707.—*George E. Jones, Jr.* and *Perry S. McCallen*, Knoxville, Tenn. MINE CAR. Patent dated June 9, 1931. Disclaimer filed January 2, 1940, by the inventors and the assignee, *Sanford Investment Company.*

Hereby enters this disclaimer to claims 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 16.

1,965,225.—*John H. Erter*, New York, N. Y. FRACTIONATING TOWER CONTROL SYSTEM. Patent dated July 3, 1934. Disclaimer filed December 30, 1939, by the assignee, *American Locomotive Company.*

Hereby enters this disclaimer to claim 2 of said Letters Patent.

2,036,537.—*Herbert C. Otis*, Dallas, Tex. KELLY STUFFING BOX. Patent dated April 7, 1936. Disclaimer filed December 30, 1939, by the patentee.

Hereby enters this disclaimer to claims 2, 9, 13, 14, 18, and 20 of the specification.

2,064,455.—*Clifford Banta*, Englewood, N. J. PRODUCTION OF MOTOR BENZOL. Patent dated December 15, 1936. Disclaimer filed January 4, 1940, by the inventor; the assignee, *The Barrett Company*, consenting.

Hereby enters this disclaimer to claims 2 and 8.

2,090,504.—*Hermann C. Schutt* and *John W. Throckmorton*, New York, N. Y. METHOD AND APPARATUS OF HEATING HYDROCARBON OILS. Patent dated August 17, 1937. Disclaimer filed December 30, 1939, by the assignee, *American Locomotive Company.*

Hereby enters this disclaimer to claim 9 of said Letters Patent.

2,100,719.—*Adolph L. Nelson*, Detroit, Mich. PISTON. Patent dated November 30, 1937. Disclaimer filed December 29, 1939, by the assignee, *Bohn Aluminum & Brass Corporation.*

Hereby enters this disclaimer to claims 4 to 12 inclusive of said patent.

2,117,364.—*Henry Salvatori*, Hollywood, Calif. APPARATUS FOR SEISMIC SURVEYING. Patent dated May 17, 1938. Disclaimer filed December 27, 1939, by the assignee, *Stanolind Oil and Gas Company.*

Hereby enters this disclaimer to claims 1 to 8 inclusive, and claims 10 and 12 of said patent; claim 10 being disclaimed without prejudice to claim 11.

2,117,365.—*Henry Salvatori* and *James N. Walstrum*, Los Angeles, Calif. SEISMIC SURVEYING. Patent dated May 17, 1938. Disclaimer filed December 27, 1939, by the assignee, *Stanolind Oil and Gas Company.*

Hereby enters this disclaimer to claims 1 to 13 inclusive, of said patent.

2,123,179.—*Leslie B. M. Buchanan*, Springfield, Mass. REFRIGERATING APPARATUS. Patent dated July 12, 1938. Disclaimer filed December 30, 1939, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby disclaims claims 1 and 2 in said patent.

2,146,160.—*Herman C. Schlicker*, Brooklyn, N. Y. HAIRDRESSING TOOL. Patent dated February 7, 1939. Disclaimer filed January 4, 1940, by the assignee, *Rollocurl Corporation.*

Hereby enters this disclaimer of claims 1, 2, 3, and 6 of said patent.

Changes in Classification

Order No. 3,498, January 10, 1940, directs:

In *class 110, Furnaces* (Division 19), establish the following subclass and definition:

Fuel feeders
Blower
105.5 Locomotive stoker type.

105.5. Devices under subclass 104 in which a solid fuel feeder has fluid jet means for distributing the fuel over a fire bed or grate. These devices are generally known as the locomotive stoker type of blower feeders though some are not disclosed for use on locomotives.

Note.—For other locomotive stoker feeders not of the blower type, see this class, subclass 101 and other appropriate subclasses indented thereunder.

The patents contained in this subclass have been taken for the most part from class 110, subclasses 101 and 104.

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27), in subclass 106 add the following note:

(4) Note.—See this class, subclasses 140 and 166, for striping brushes;

in subclass 127 number the existing note (*1*) and add:

(2) Note.—See this class, subclasses 122–126 and 131 and indented subclasses, for other implements with liquid supply means;

in subclass 131 in note (1) change "124–126" to *122–130*, and in note (2) change "67.1" to *62.5*; in subclasses 140 and 166 change note (2) in each to read:

(2) Note.—See class 91, COATING, subclasses 12 and 12.01, for striping machines, and subclass 62.6, for striping implements;

in subclass 252 add the following note:

Note.—See this class, subclass 256, for opposed swinging cleaners;

and in subclass 256 add the following note:

Note.—See this class, subclass 252, for other opposed cleaners.

In *class 21, Preserving, Disinfecting, and Sterilizing* (Division 63), subclass 74, add the following notes:

(3) Note.—See class 299, FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclass 20 and indented subclasses, for slow diffusers per se.

(4) Note.—See class 312, SUPPORTS, CABINET STRUCTURES, subclass 31 and indented subclasses, for cabinets and containers having slow diffusers or solid absorbents.

In *class 29, Metal Working* (Division 29), subclass 84, number the existing note (*2*) and add:

(1) Note.—For machines for assembling or disassembling sprocket chains, see class 59, CHAIN, STAPLE AND HORSESHOE MAKING, subclass 7;

and in subclass 86.1 number note (2) as (*3*) and add:

(2) Note.—For apparatus for removing or inserting pins or rivets in sprocket chains, see class 59, CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 7.

In *class 30, Cutlery* (Division 24), subclass 141, number the existing note (*1*) and add:

(2) Note.—For fluid conductors designed to be carried around by the user and to be applied for drinking purposes to a fluid source of supply, see class 299, FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclass 17 and the notes appended thereto.

In *class 59, Chain, Staple, and Horseshoe Making* (Division 57), subclass 7, in the definition cancel "and joining together" and substitute *or disassembling;* and add the following note:

Note.—For assembling or disassembling in general, see class 29, METAL WORKING, subclass 84 and indented subclasses.

In *class 74, Machine Elements and Mechanisms* (Division 12), subclass 148, in the definition cancel "disengaging a pawl" and substitute *releasing a gripper*, number the existing note (*2*) and add:

(1) Note.—Continue the search in subclass 115 of this class.

In *class 84, Music* (Division 5), after the main class definition add the following note:

(6) Note.—For instrument supports of general application not claimed in combination with musical instruments or structurally limited to use with specific musical instruments, see class 248, SUPPORTS, appropriate subclasses.

In *class 91, Coating* (Division 46), subclass 12, number the existing note (*2*) and add:

(1) Note.—See this class, subclass 62.6 for striping implements;

and in subclass 62.5 number the existing note (*1*) and add:

(2) Note.—See Class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 131 and indented subclasses, and other subclasses referred to in the notes thereunder.

In *class 126, Stoves and Furnaces* (Division 19), subclass 62, cancel the note and substitute:

Search this class, subclasses 86 and indented subclasses, 97, and 120 and indented subclasses;

in subclass 67 number the existing note (*1*) and add:

(2) Note.—For other hot air stoves, see the preceding subclasses, particularly subclass 61, for horizontal body stoves; subclass 63, for open front stoves; subclass 66, for sheet metal wood burning stoves; subclasses 88–90, for gas burning stoves, and subclass 93 and indented subclasses, for liquid fuel burning stoves;

and in subclass 97, in the note, after "62" insert *86 and indented subclasses.*

In *class 181, Acoustics* (Division 5), subclass 49, number the existing note (*1*) and add:

(2) Note.—See this class, subclass 63 and indented subclasses, for baffle structure per se;

and in subclass 71 add the following note:

Note.—See class 183, GAS SEPARATION, subclass 45 and indented subclasses, for gas filters having loose material through the interstices of which the gas passes.

In *class 183, Gas Separation* (Division 32), subclass 45, under "Search class" add:

181—ACOUSTICS, subclass 71, for sound filter baffle structure having a filling material through the interstices of which the fluid must pass.
210—LIQUID SEPARATION OR PURIFICATION, subclass 122 and indented subclasses, and the places noted in the search notes to such subclasses, for loose material liquid filters.

In *class 210, Liquid Separation or Purification* (Division 49), subclass 122, add the following notes:

(1) Note.—See this class, subclasses 86, 87, and 98, for other loose material filters, and subclass 203 and indented subclasses, for materials.
(2) Note.—See class 183, GAS SEPARATION, subclass 45 and indented subclasses, for loose material gas filters.

In *class 219, Electric Heating* (Division 60), subclass 26, add the following note:

Note.—Patents to the soldering iron exclusive of the electric heating means, conductors, terminals, or other electric structure are classified in class 113, SHEET-METAL WARE-MAKING, subclass 105 and indented subclasses.

In *class 220, Metallic Receptacles* (Division 40), in subclass 3.7, add under "Search class" the following:

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 57.

In *class 248*, Supports (Division 52), cancel note (27) following the main class definition and substitute therefor the following:

(27) Note.—For supports claimed in combination with musical instruments or supports structurally limited to use with specific musical instruments, see class 84, MUSIC, appropriate subclasses, particularly subclasses 280 and 421.

In *class 299, Fluid Sprinkling, Spraying, and Diffusing* (Division 46), subclass 17, add the following note:

(3) Note.—For fluid conductors built into spoon structure, see class 30, CUTLERY, subclass 141.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING DECEMBER, 1939

McKESSON & ROBBINS, INCORPORATED (WILLIAM J. WARDALL, TRUSTEE FOR THE ESTATE OF McKESSON & ROBBINS, INC., DEBTOR, SUBSTITUTED) *v.* EISLER ELECTRIC CORPORATION, Opposition No. 17,686.

In a decision rendered December 11, 1939 (163 Ms. Dec. 415, 43 U. S. P. Q. 513), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of McKesson & Robbins, Incorporated, of Bridgeport, Conn., for whom Wardall was substituted as trustee, to the application of Eisler Electric Corporation, of Union City, N. J., for registration of the notation "Cal-lux" as a trade-mark for "chemicals which may be used for producing a fluorescent coating on tubing and bulbs for electric lamps."

Noting that the opposition was predicated upon opposer's ownership of the registered trade-mark "Calox" as applied to tooth powder and that the Examiner was of the opinion that the goods of the respective parties are not of the same descriptive properties, the Assistant Commissioner quoted from the testimony submitted on behalf of the applicant to the effect that applicant's product, both in the form of a powder and coated glass tubing, is sold only to manufacturers of electric incandescent lamps and gaseous discharge tubes, and never to retailers such as druggists, who in turn resell it over the counter to the general public. He then said:

"It thus appears that applicant's goods differ from those of opposer to so great an extent as to negative any reasonable possibility of confusion, within the meaning of the statute, by reason of the concurrent use of the marks in question. This being true the similarity of the marks becomes immaterial."

McKESSON & ROBBINS, INCORPORATED (WILLIAM J. WARDALL, TRUSTEE FOR THE ESTATE OF McKESSON & ROBBINS, INC., DEBTOR, SUBSTITUTED) *v.* BAVARIAN BREWING CO., INC., Opposition No. 18,254.

In a decision rendered December 11, 1939 (163 Ms. Dec. 414, 43 U. S. P. Q. 513), *Assistant Commissioner Frazer* dismissed the appeal by McKesson & Robbins, Incorporated, of Bridgeport, Conn., from the decision of the Examiner of Interferences dismissing its opposition to the application of Bavarian Brewing Co., Inc., of Covington, Ky., for registration of a trade-mark.

Observing that the involved application was likewise opposed by The Greater Cincinnati Brewers, Inc., and others, in Opposition No. 18,272, wherein the opposition was sustained, and the applicant was adjudged not entitled to the registration applied for, the Assistant Commissioner pointed out that no appeal has been taken and that the Examiner's decision has become final, and said:

"The questions presented on the present appeal are thus moot, and need not be determined."

EX PARTE THE NORTHWEST PAPER COMPANY, Serial No. 399,459.

In a decision rendered December 12, 1939 (163 Ms. Dec. 416, 43 U. S. P. Q. 514), *Assistant Commissioner Frazer* held that The Northwest Paper Company of Cloquet, Minnesota, is not entitled to register the word "Levelized", under the provisions of the act of February 20, 1905, as a trade-mark for paper, the ground of refusal being that the mark is descriptive of the goods.

The Assistant Commissioner made the following observations:

"It is stated in applicant's advertising matter of record that 'the unique "levelizing" process of papermaking employed by the Northwest Paper Mills insures uniformly flat surface'. 'Level' is synonymous with 'flat'; and according to Webster's New International Dictionary the suffix 'ize' is used to form verbs meaning 'to subject to the action, treatment or process denoted by the root'. The expression 'Levelized', as applied to applicant's paper, thus informs the purchaser that such paper has been made level or flat."

He then said:

"The statute forbids registration of 'words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods'. That applicant's mark is descriptive of a claimed character or quality of its goods seems clear beyond argument."

EX PARTE CONTINENTAL PAPER & BAG CORPORATION, Serial Nos. 379,509 and 379,510.

In a decision rendered December 12, 1939 (163 Ms. Dec. 417, 43 U. S. P. Q. 514), *Assistant Commissioner Frazer* held that Continental Paper & Bag Corporation of New York, N. Y., is not entitled to register, under the act of February 20, 1905, as trade-marks for wrapping paper, the notation "Meatpak" printed both vertically and horizontally to form a cross, and the same notation displayed in association with a representation of the head of a steer.

Observing that both applications were rejected on the ground that the notation "Meatpak" is descriptive of the goods with which the marks are used, the Assistant Commissioner quoted from applicant's brief on appeal, as follows:

"The particular form of wrapping paper of which five samples have been submitted in accordance with the Rules of Practice is a grease and moisture resistant paper of a type widely used in butcher shops and delicatessens for wrapping many commodities of a greasy or semi-liquid nature. One of the commodities which may be wrapped in applicant's paper is meat."

He then said:

"In other words applicant's wrapping paper admittedly is suitable for use in wrapping meat. One definition of the verb 'pack', according to Webster's New International Dictionary, is 'to cover, envelope, or protect tightly with something'. That would appear to be the precise function of applicant's paper, and when used for wrapping meat I can think of no more appropriate expression than 'meat pack', or its equivalent 'Meatpak', to describe applicant's product."

MERZ & CO. CHEMISCHE FABRIK *v.* THE DOAK COMPANY, Interference No. 2970.

In a decision rendered December 21, 1939 (163 Ms. Dec. 420, 43 U. S. P. Q. —), *Assistant Commissioner Frazer* held that neither the junior party, Merz & Co. Chemische Fabrik, of Frankfort-on-the-Main, Germany, nor the senior party, The Doak Company, of Cleveland, Ohio, is entitled, upon the record presented, to the registration of the notation "Hellobrom" as a trade-mark for certain pharmaceutical preparations.

Noting that the mark in issue was registered, long prior to any date of use claimed by either party, to a German concern known as Theodor Teichgraeber Aktiengesellschaft and that the senior party rested its case upon an alleged abandonment by the German registrant, the Assistant Commissioner said:

"I agree with the Examiner that the evidence falls short of proving abandonment of the registered trade-mark. The most that can be said is that the circumstances disclosed by the record are such as to create a considerable doubt as to whether or not abandonment occurred; and that, of course, is not enough. One who asserts abandonment must prove it as a fact. This the senior party has failed to do."

As to the junior party's claim of ownership of the German registration, the Assistant Commissioner said:

"To establish its title to the mark the junior party relies upon certain German documents, which, with their purported English translations, were received in evidence upon stipulation of counsel. One of these is a contract whereby Dr. S. Meyer & Co. transfers its business to the junior party, 'as far as it refers to pharmaceutical preparations', together with certain physical assets and some twenty trade-marks including the mark here in issue. * * *

"At the time the contract was executed, however, the Meyer concern admittedly did not own the registered mark unless by virtue of an alleged transfer from the bankrupt estate of the registrant, Theodor Teichgraeber Aktiengeselischaft. Such transfer is sought to be established by the 'notarial declarations' of two individuals, namely, Otto Oeser and Heinrich Freirich, * * *."

He then quoted from the statements of Oeser and Freirich.

Citing the case of *Kelly Liquor Co.* v. *National Brokerage Co.*, 26 C. C. P. A. 1110, 102 Fed.(2d) 857, to the effect that a trade-mark can be transferred only in connection with the transfer of an existing business, he said:

"Manifestly the quoted testimony of Oeser and Freirich is insufficient to establish the transfer of an existing business to Dr. S. Meyer & Co. In fact it is not even made to appear that there was an existing business to be transferred. As there is nothing else in the record bearing upon this particular transaction, it follows that the junior party's chain of title to the registered trade-mark is fatally defective."

After the original hearing on appeal the case was reargued, at the request of the Assistant Commissioner, and thereafter counsel for the junior party moved to reopen for the purpose of introducing two additional German documents with their English translations. The motion was opposed by the senior party and was denied by the Assistant Commissioner. One of the documents was held to be incompetent as evidence since it bore neither signature nor seal, being merely a typewritten reproduction without the slightest proof of authenticity. The other document, an unsworn statement of Erwin Fahse, was held to be without probative value in the absence of proof that Mr. Fahse was qualified to testify, and was subject to opposing counsel's objection "that no opportunity is afforded for cross-examination of the author."

McKESSON & ROBBINS, INCORPORATED (WILLIAM J. WARDELL, TRUSTEE FOR THE ESTATE OF McKESSON & ROBBINS, INC., DEBTOR, SUBSTITUTED) *v.* VICK CHEMICAL COMPANY, Opposition No. 17,794.

In a decision rendered December 27, 1939 (163 Ms. Dec. 423, 44 U. S. P. Q. 78), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences dismissing the opposition of McKesson & Robbins, Incorporated, of Bridgeport, Conn., for whom Wardell was substituted as trustee, to the application of Vick Chemical Company, of New York, N. Y., for registration of a composite trade-mark featuring the notation "Vicks Cadoc" for use on analgesic tablets and laxative tablets.

Observing that the opposition was predicated upon opposer's ownership of the trade-mark "Calox", registered for "tooth-powders", the Assistant Commissioner said:

"While it may be that the words 'Calox' and 'Cadoc', if applied to identical or closely related merchandise, would be likely to be confused, that is not the situation here presented. 'Cadoc' is only a part of applicant's mark, and its product, as pointed out by the Examiner, 'is a remedy for certain ailments, whereas opposer's product is merely a dentifrice'.

"In view of the differences between these goods I am in agreement with the Examiner that there is no reasonable likelihood that confusion will result from the concurrent use of the marks."

NUTRITION RESEARCH LABORATORIES, INC., *v.* OLDEN MINERALS, INCORPORATED, Opposition No. 17,972.

In a decision rendered December 27, 1939 (163 Ms. Dec. 423, 44 U. S. P. Q. 78), *Assistant Commissioner Frazer* reversed the decision of the Examiner of Interferences who had sustained the opposition of Nutrition Research Laboratories, Inc., of Chicago, Illinois, to the application of Olden Minerals, Incorporated, of Los Angeles, California, for registration of the word "Arthron" as a trade-mark for "pharmaceutical preparations for preparing mineral baths, useful in the treatment of arthritis, neuritis, gout, rheumatism, and like ailments, and for cleansing the skin, removing dead tissue, and opening the pores of the skin", but held nevertheless that applicant's mark is not registrable under the provisions of the act of February 20, 1905.

He pointed out that the opposition was predicated upon opposer's ownership of the trade-mark "Ertron", registered prior to applicant's claimed date of first use for "vitamin D concentrate"; and, observing that all the material allegations of the notice of opposition were denied and that neither party took testimony, he said:

"I am thus unable to find any foundation for the argument advanced in opposer's brief that such goods 'have the same descriptive properties because they are both pharmaceutical preparations used in the treatment of arthritis and related ailments'. Vitamin D concentrate may be so used, but if so it was a fact to be proved. In the absence of such proof, or proof of other pertinent facts bearing on the subject, I think the Examiner of Interferences erred in holding opposer's product and that

of applicant to be merchandise of the same descriptive properties. In my opinion they are not. It follows that the alleged similarity of the marks in question becomes immaterial, and need not be determined."

As to applicant's ex parte right to the registration applied for, and with reference to the act of February 20, 1905, he said:

"Section 5 of that act forbids registration of 'words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods'. The word 'Arthron' here sought to be registered is defined in Webster's New International Dictionary as 'an articulation; a joint'. Arthritis, according to the same authority, is 'inflammation of the joints; specif., gout'. Hence applicant's mark is the name of that part of the human anatomy for the treatment of which its product is designed. That it is descriptive of such product seems too clear for argument."

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 30, 1940

[VOL. 510. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 424,569. MYRIAL D. VACCARO, New Orleans, La. Filed Oct. 14, 1939.

CUB-O-PAK

The term "Pak" is disclaimed apart from the mark.

For Storage Cabinet for Ice Cubes and the Like To Be Sold Empty to the Trade.

Claims use since Nov. 5, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 425,190. S. DRESNER & SON, INC., Chicago, Ill. Filed Nov. 3, 1939.

DRES-KIT

No claim is made to the word "Kit" apart from the mark.

For Toilet Cases.

Claims use since April, 1939.

Ser. No. 425,195. S. DRESNER & SON, INC., Chicago, Ill. Filed Nov. 3, 1939.

Tray-Suiter

No claim is made to "Tray" apart from the mark.

For Hand Luggage—viz., Men's Wardrobe Cases.

Claims use since July, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 425,313. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Nov. 6, 1939.

HANDISAN

For Cleaning Compound Intended Primarily for Use as a Hand Cleanser.

Claims use since Aug. 21, 1939.

Ser. No. 425,318. RICHARD D. SCHWABER, doing business as S. and E. Chemical Company, Chicago, Ill. Filed Nov. 1, 1939.

ESSANEE

For Bland Non-irritating Detergent.

Claims use since Oct. 6, 1938.

Ser. No. 425,430. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

Esso

For Leather Oils, Spot Removers, and Preparations for Cleaning Polished Surfaces Including Painted, Lacquered, and Enameled Surfaces.

Claims use since June 29, 1937, on leather oils; and since Oct. 4, 1939, on other goods.

Ser. No. 425,431. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

Esso

For Leather Oils, Spot Removers, and Preparations for Cleaning Polished Surfaces Including Painted, Lacquered, and Enameled Surfaces.

Claims use since June 29, 1937, on leather oils; and since Oct. 4, 1939, on other goods.

Ser. No. 425,918. HARDIN CHEMICAL COMPANY, INC., New York, N. Y. Filed Nov. 24, 1939.

CELLOSOPE

For Dry Cleaning Soap Powder for Use in Petroleum Solvents in the Dry Cleaning of Fabrics.

Claims use since Sept. 8, 1939.

Ser. No. 426,143. THE SOLVAY PROCESS COMPANY, New York, N. Y. Filed Dec. 1, 1939.

SUPERBILD

For Chemical Preparation for Use as a Cleansing Compound, Particularly for Cleansing Metals and Glass and for General Industrial and Laundry Purposes.
Claims use since Sept. 28, 1939.

Ser. No. 426,215. MO-ZEL CHEMICAL PRODUCTS COMPANY, St. Louis, Mo. Filed Dec. 4, 1939.

MOZEL



The mark appears in white upon a dark blue background and this color scheme is an essential feature of the mark.
For Non-saponaceous Cleaning Compound Particularly Adapted for Cleaning Glass, Chinaware, Silverware, Table and Kitchen Utensils, Drainboards, Sinks, Basins, and Floors.
Claims use since Sept. 15, 1939.

CLASS 5

Adhesives

Ser. No. 425,758. IRA I. SLOMON, New York, N. Y. Filed Nov. 17, 1939.

SLOMON'S
MYTEE-BOND

The drawing is lined for red. No claim is made to the term "Mytee-Bond" apart from the mark.
For Glutinous Substance for Uniting Laminations and the Like.
Claims use since Mar. 24, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 401,691. CENOVIS-WERKE G. M. B. H., Munich, Germany. Filed Jan. 8, 1938.

„Philocytin"

For Medicinal or Pharmaceutical Yeast Preparations with Particularly High Vitamin Content Obtained from Beer Yeast and from Artificial Yeast and Enriched in Vitamins Because of the Working up of the Yeast Itself, the Preparations in Question Being Marketed in the Form of Powders or Tablets Packed in Boxes or Jars and Serving as General Tonics and Specifically as Prophylactics to Prevent Vitamin B_1 Deficiency.
Claims use since Oct. 23, 1933.

Ser. No. 410,530. ALDERMAN C. WEST, Raleigh, N. C. Filed Sept. 13, 1938.



The portrait is that of applicant.
For Medicinal Liquid Preparation Made from Herbs for the treatment of Stomach Disorders.
Claims use since August, 1938.

Serial No. 419,665. EDNA D. HAMMON, doing business as Eplico Company, Dayton, Ohio. Filed May 22, 1939.

EPLICO

For Medicinal Preparation for the Treatment of Gall Stones, Gall Bladder, Liver, and Stomach Disorders.
Claims use since Aug. 6, 1936.

Ser. No. 422,567. F. B. ALLDERDICE, Jacksonville, Fla. Filed Aug. 14, 1939.

ARTHRENE

For Medicine Used in the Treatment of Neuritis, Arthritis, Sciatica, and Rheumatism.
Claims use since Nov. 1, 1938.

Ser. No. 422,771. COLE CHEMICAL CORPORATION, Long Island City and New York, N. Y. Filed Aug. 19, 1939.

COLE-SPEED

The word "Speed" is disclaimed apart from the mark.
For Coal Tar Disinfectant and Pine Needle Disinfectant.
Claims use since Dec. 1, 1938.

Ser. No. 422,977. MARY E. BAUSWELL, Kansas City, Mo. Filed Aug. 25, 1939.



The mark consists of applicant's portrait and signature.
For Compound of Oils for Treatment of Falling Hair, Itching Scalp, Dandruff, and Baldness.
Claims use since June 1, 1939.

Ser. No. 423,050. BALTIMORE BIOLOGICAL LABORATORY, Baltimore, Md. Filed Aug. 28, 1939.

B-B-L

DESOXYCHOLATE AGAR

Powdered

The words "Desoxycholate", "Agar", and "Powdered" are disclaimed apart from the mark.
For Biologicals, Biological Materials and Preparations, Culture Media, Inhibitors for Bacteria and Cultures, Differentiates for Cultures, Differentiates for Bacteria, Stains, Detectors for Bacteria, Detectors for Cultures, Detectors for Bacilli, Detectors for Colon Bacilli, Detectors for Milk Bacilli, Detectors for Water Bacilli, Differentiates for Escherechia, Differentiates for Aerobacters, Isolators of Intestinal Pathogens, Detectors of Proteolytic Bacilli (in Milk), Comparativators for Typhoid and Dysentery Bacilli, Comparativators for Paratyphoid Bacilli, Isolators of Shyga Dysentery Bacilli, Bile Specifics, Typhoid Differentiates, Paratyphoid Differentiates, Cholera Indicators and Differentiates, Bacteria Solvents, Gel Membrane Analyzers, Colonial Bacteriae, Enumerators of Colonies of Bacilli, Segregators of Bacilli, Infusions for Cultures, Biological Concentrates, Cultures for Citrobacter Bacilli, Treatments for Alkaligenes, Pyocyaneus, Salmonella, and Proteus Bacilli, Differentiates for Gram Positive Microorganisms, Differentiates for Gram Negative Microorganisms, Differentiates for Microorganisms, Fertilizers for Microorganisms, Inhibitors for Colon Bacilli.
Claims use since Feb. 28, 1935.

Ser. No. 423,132. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 30, 1939.

Firestone

FRIGITONE

For Anti-Freeze Composition for Automobile Radiators.
Claims use since Jan. 1, 1934.

Ser. No. 423,486. THE ARMAND COMPANY, Des Moines, Iowa. Filed Sept. 11, 1939.

LAST WORD

For After Shave Lotion.
Claims use since Aug. 1, 1939.

Ser. No. 423,584. THE GENERAL PHARMACAL COMPANY, INC., Louisville, Ky. Filed Sept. 13, 1939.

BISMA-ZYME-OLATES

For Preparation for the Treatment of Intestinal and Stomach Irritation.
Claims use since Jan. 2, 1938.

Ser. No. 424,385. ROY C. CHAMBERS, Los Angeles, Calif. Filed Oct. 10, 1939.

Salvpyogen

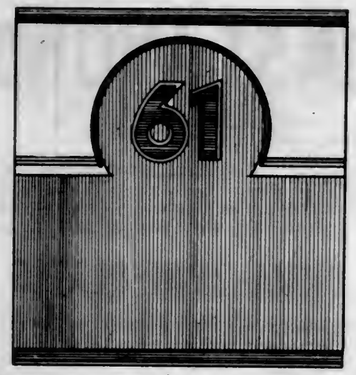
For Mouth Wash, Tooth Paste, Tooth Powder, and Dental Powder.
Claims use since Sept. 28, 1939.

Ser. No. 424,388. DELETTREZ, INC., Long Island City, N. Y. Filed Oct. 10, 1939.

COUNTRY CLOVER

Applicant disclaims the word "Clover" apart from the mark.
For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lipsticks, Lipstick Removers, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powder, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Sept. 11, 1939.

Ser. No. 424,464. CHAPMAN & RODGERS, INC., Philadelphia, Pa. Filed Oct. 12, 1939.



The drawing is lined for red and blue.
For Insecticide.
Claims use since 1915.

Ser. No. 424,781. NEPERA CHEMICAL CO., INC., Yonkers, N. Y. Filed Oct. 21, 1939.

Macasol

For Chemical Compound Adapted to Determine the Rate of Blood Circulation.
Claims use since Apr. 27, 1939.

Ser. No. 425,484. NEW ENGLAND PRODUCTS, INC., Evanston, Ill. Filed Nov. 9, 1939.

GAR-KAPS

For Pure Garlic Compounded with Pure Vegetable Oil, in Vegetable Oil Capsules, Useful to Increase the Flow of Digestive Juices, Tending to Improve Appetite and to Render Mild Stimulating Action on Intestines.
Claims use since Apr. 27, 1939.

Ser. No. 425,494. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 9, 1939.

HYDANYL

For Anticonvulsants.
Claims use since Feb. 27, 1939.

Ser. No. 425,499. WHITE LABORATORIES, INC., Newark, N. J. Filed Nov. 9, 1939.

MULTI-VI

For Vitamins in Tablet Form, Capsule Form, and Liquid Form.
Claims use since Oct. 25, 1939.

Ser. No. 425,504. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Nov. 10, 1939.

FRUITONE

For Orchard Spray.
Claims use since Oct. 28, 1939.

Ser. No. 425,562. THE DIETAID COMPANY, INC., New York, N. Y. Filed Nov. 13, 1939.

TRI-PAYA

For Preparation for the Treatment of Stomach Ailments.
Claims use since May 20, 1938.

Ser. No. 425,586. SÄCHSISCHES SERUMWERK AKTIENGESELLSCHAFT, Dresden, Germany. Filed Nov. 13, 1939.

EMBRAN

For Medicine for Cardiac Circulation.
Claims use since May 20, 1936.

Ser. No. 425,634. ALLIED PRODUCTS, INC., New York, N. Y. Filed Nov. 15, 1939.

IOLATE

For Liquid Antiseptics.
Claims use since Nov. 10, 1939.

Ser. No. 425,648. RAMSDELL, INC., New York, N. Y. Filed Nov. 15, 1939.

RITA-SAV

The word "Sav" is disclaimed apart from the association shown.
For Ointment for Treatment of Certain Skin Irritations, Such as Eczema and Athlete's Foot.
Claims use since Mar. 23, 1931.

Ser. No. 425,653. PEGGY SAGE, INC., New York, N. Y. Filed Nov. 15, 1939.

WHIMSY

For Nail Polish.
Claims use since Nov. 10, 1939.

Ser. No. 425,679. THE ANDROMACHUS CORPORATION, New York, N. Y. Filed Nov. 16, 1939.

BES-MIN

For Medicinal Tonic for Internal Use for Treating Deficiencies in Vitamin B and Mineral Content of the Human Body.
Claims use since Oct. 26, 1939.

Ser. No. 425,755. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Nov. 17, 1939.

Bonne Chance

For Perfumes, Toilet Waters, and Face Powders for Cosmetic Purposes.
Claims use since Sept. 22, 1939.

Ser. No. 425,774. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Nov. 18, 1939.

JEWEL APPEAL

Barbara Bates

The name "Barbara Bates" is disclaimed apart from the mark.
For Preparations for the Hands, Feet, and Face—Namely, Nail Polish, Facial Cream, Lotions, and the Like.
Claims use since Nov. 4, 1939.

Ser. No. 425,831. DAVAN LABORATORIES, Colorado Springs, Colo. Filed Nov. 20, 1939.

Vadona

For Cleansing Cream.
Claims use since July 20, 1939.

Ser. No. 426,036. LYDIA E. PINKHAM MEDICINE COMPANY, Lynn, Mass. Filed Nov. 28, 1939.

PHENRIN

For Preparations Indicated in and for the Treatment of Headaches, Neuralgias, Coughs, Colds, Grippe, Muscular Aches and Pains, Fever, as a Gargle for the Relief of Minor Throat Irritations, and All Such Other Related Human Ailments and Pathological Conditions in or for the Treatment of Which It May be Necessary or Advisable to Administer Analgesics, Anodynes and Antipyretics.
Claims use since February, 1928.

Ser. No. 426,115. IRVING AARON, Brooklyn, N. Y. Filed Dec. 1, 1939.

IRVALENE

For Brilliantine, Petroleum Jelly, Used as an Oil Treatment for the Hair, Depilatory Wax Used as a Hair Remover, Hair Bleach Peroxide, White Henna Used in Bleaching of the Hair, Egyptian Henna, Hair Tonic, Talcum Powder, Witch Hazel, Eyebrow Pencils, Astringent Lotion, Hand Lotions, Facial Creams, Soapless Oil Shampoo Used as a Shampoo and Oil Treatment for the Hair, Finger Wave Lotion, Nail Polish, Nail Polish Remover, Mange Medicine, Castor Oil, Pine Needle Oil, Wave Oil, Mineral Oil, an Odorless Colorless Light Oil Used in Oil Treatments for the Hair, Facial Packs, Permanent Wave Lotions, Hair Rinses, Face Powder, Lipstick, Rouge, Liquid Shampoo Soaps.
Claims use since May 4, 1937.

Ser. No. 426,149. BERG-WILLIAMS CORPORATION, Dover, Del. Filed Dec. 2, 1939.

DURA PERL

For Dentifrices.
Claims use since Oct. 16, 1939.

Ser. No. 426,186. COTY, INC., New York, N. Y. Filed Dec. 4, 1939.

CHARM CENTER

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Nov. 30, 1939.

Ser. No. 426,296. THE GOODMAN CHEMICAL CO., New York, N. Y. Filed Dec. 6, 1939.

VELTALC

For Talcum Powder.
Claims use since 1926.

Ser. No. 426,365. LENTHERIC, INCORPORATED, New York, N. Y. Filed Dec. 8, 1939.

GAIETÉ

For Perfumes and Cosmetic Creams.
Claims use since Nov. 30, 1939.

Ser. No. 426,385. WHITE LABORATORIES, INC., Newark, N. J. Filed Dec. 8, 1939.

FLO-DEE

For Solution Containing Vitamins A and/or D.
Claims use since Dec. 4, 1939.

Ser. No. 426,494. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Dec. 12, 1939.

BELNESIUM

For Preparation for the Treatment of Gastro-Intestinal Disturbance.
Claims use since Nov. 16, 1939.

CLASS 10

Fertilizers

Ser. No. 425,816. SYNTHETIC NITROGEN PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 18, 1939.

Cal-Nitro

For Fertilizer.
Claims use since Nov. 15, 1928.

Ser. No. 426,274. SYNTHETIC NITROGEN PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 5, 1939.

CALNITRO

For Fertilizer.
Claims use since Nov. 15, 1928.

CLASS 12

Construction Materials

Ser. No. 401,769. WILLIAM ARTHUR COOK, Chicago, Ill. Filed Jan. 11, 1938.

ROCK CELL

For Granular, Thermal Insulating Materials.
Claims use since Sept. 8, 1937.

Ser. No. 425,681. BARBER ASPHALT CORPORATION, Barber, N. J. Filed Nov. 16, 1939.

Barb-Lock

For Composition Roofing, More Particularly Shingles.
Claims use since Feb. 1, 1932.

Ser. No. 425,693. E. L. BRUCE COMPANY, Memphis, Tenn. Filed Nov. 16, 1939.

BRUCE

For Hardwood Flooring, Hardwood Interior Trim, Hardwood Lumber, and Hardwood Dimension.
Claims use since May, 1925.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 399,599. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany. Filed Nov. 11, 1937.

MERCEDES BENZ

For Hinges, Springs for General Use, Metal Washers for Nuts and Bolts, Handles and Knobs for Doors, Gear-Chains, Haulage-Chains, Door-Chains, Key-Chains, Spring-Clips, Pneumatically Operated Bells, Rivets, Screws, Nuts, Bolts, Spring-Pins, Split Pins, Pivot-Pins, Non-Skid Studs for Tires, Mechanical Call-Bells, Funnels, Wrought Iron and Steel Brackets for Tanks, Sprinklers, Sprinkler-Nozzles, Wire Couplings, Rod Couplings and Joints, Permanent Way-Couplings, Riveted Joints and Fluid-Tight Joints for Use in Engines, Gears and Generally the Mechanism of Motor-Vehicles, Rope Connections, Seed and Plant Protectors of Metal, Metal Rings and Collars for Packing and Spacing, Valve-Chains and Valve-Nozzles, Spittoons of Metal, Metal Locking Rings and Washers, Chain-Couplings.
Claims use since October, 1926.

Ser. No. 403,644. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany. Filed Mar. 3, 1938.

DIESEL

For Hinges, Springs for General Use, Metal Washers for Nuts and Bolts, Handles and Knobs for Doors, Gear-Chains, Haulage-Chains, Door-Chains, Key-Chains, Spring-Clips, Pneumatically Operated Bells, Rivets, Screws, Nuts, Bolts, Spring-Pins, Split Pins, Pivot-Pins, Non-Skid Studs for Tires, Mechanical Call-Bells, Funnels, Wrought Iron and Steel Brackets for Tanks, Sprinklers, Sprinkler-Nozzles, Wire Couplings, Rod Couplings and Joints, Permanent Way-Couplings, Riveted Joints and Fluid-Tight Joints for Use in Engines, Gears and Generally the Mechanism of Motor-Vehicles, Rope Connections, Seed and Plant Protectors of Metal, Metal Rings and Collars for Packing and Spacing, Valve-Chains and Valve-Nozzles, Spittoons of Metal, Metal Locking Rings and Washers, Chain-Couplings.
Claims use since December, 1932.

CLASS 15

Oils and Greases

Ser. No. 425,432. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

ESSO

For Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since Aug. 14, 1935.

Ser. No. 425,593. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Nov. 13, 1939.

SUNSET

For Gasoline, Motor Fuel Oils, Lubricating Oils and Greases, and Kerosene, Fuel Oil, Diesel Oil, and Stove Oil.
Claims use since Sept. 1, 1914.

Ser. No. 425,630. SUN OIL COMPANY, Philadelphia, Pa. Filed Nov. 14, 1939.

NU-BLUE SUNOCO

Applicant disclaims the phrase "Nu-Blue" apart from the mark.
For Gasoline.
Claims use since Sept. 25, 1939.

Ser. No. 425,965. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed Nov. 25, 1939.

CUT-ZOL

Applicant disclaims the word "Cut" apart from the mark.
For Compounded Lubricants and Cutting Oils and Concentrates Used in Compounded Lubricants and Cutting Oils.
Claims use since Nov. 9, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 420,479. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed June 14, 1939.

THERMOCOLOR

For Heat Sensitive Paint Pigments for Use as Temperature Indicators.
Claims use since Aug. 31, 1938.

Ser. No. 425,434. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 8, 1939.

ESSO

For Liquid Gloss, Floor Dressings, Polish for Furniture, Automobiles, and Other Painted, Varnished, Lacquered, or Enameled Surfaces.
Claims use since June 29, 1937, on floor dressings; and since Oct. 4, 1939, on other goods.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 403,646. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany. Filed Mar. 3, 1938.

DIESEL

For Vehicles for Use on Land, in the Air, and on the Water—Namely, Automobiles, Trucks, Buses, Trailers, Street Cars, Railway Motor Cars, Railway Freight and Passenger Cars, Hand Cars for Use on Railroad Tracks, Motor Lorries, Motor Sleighs, Motorcycles, Bicycles, Airplanes, Airships, Balloons, Parachutes, Motor Boats, Tug Boats; Parts of and Accessories to Such Vehicles—Namely, Bodies and Parts Thereof, Chassis, Wheels, Vehicle Axles, Driving Shafts, and Steering Columns, Steering Knuckles, Anti-Rattler Packings Made from Copper, Asbestos, Rubber, or Fibre Material for Sealing Parts of Automobile Bodies.
Claims use since December, 1932.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 412,503. GENERAL CABLE CORPORATION, New York, N. Y. Filed Nov. 8, 1938.

SMALL-O-DEE

For Insulated Electrical Wires and Cables.
Claims use since Oct. 16, 1938.

Ser. No. 423,937. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed Sept. 25, 1939.

Heatflo

For Electric Heating Elements, Electric Resistor Elements, Electric Heating Units, Electric Resistor Units, Electric Heaters, and Electric Resistors, and Parts Thereof.
Claims use since Sept. 6, 1939.

Ser. No. 424,329. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Oct. 9, 1939.

MIGHTY-MITE

For Radio Receiving Sets.
Claims use since April, 1939.

Ser. No. 425,376. WARWICK MANUFACTURING CORPORATION, Chicago, Ill. Filed Nov. 7, 1939.

TROUBADOR

For Radio Receiving Sets and for Electrically Operated Record Pick-up and Transmitting Apparatus to be Used in Conjunction with Radio Receiving Sets.
Claims use since May, 1937, on radio receiving sets; and since December, 1938, on other goods.

Ser. No. 425,410. HYGRADE SYLVANIA CORPORATION, Salem, Mass. Filed Nov. 8, 1939.

MIRALUME

For Electric Lamps and Fixtures Therefor.
Claims use since Nov. 3, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 414,134. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Dec. 23, 1938. Under section 5b of the act of 1905 as amended in 1920.

FLEXIBLE FLYER

For Skis, Ski Bindings, and Parts Thereof.
Claims use since Nov. 12, 1938, on skis; and since Dec. 17, 1938, on ski bindings.

Ser. No. 426,499. FLORENCE A. SHERMAN, New York, N. Y. Filed Dec. 12, 1939.

"THE BOY FRIEND"

For Dolls.
Claims use since Nov. 14, 1939.

Ser. No. 426,500. FLORENCE A. SHERMAN, New York, N. Y. Filed Dec. 12, 1939.

"THE CLIPPER"

For Dolls.
Claims use since Nov. 14, 1939.

Ser. No. 426,609. WALT DISNEY PRODUCTIONS, Hollywood, Calif. Filed Dec. 15, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938.

JIMINY CRICKET

For Figure Dolls.
Claims use since Nov. 4, 1939.

Ser. No. 426,617. MARJORIE TRUE GREGG, Bridgeport, Conn., and South Tamworth, N. H. Filed Dec. 15, 1939.

Real People

For Dolls.
Claims use since Oct. 7, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 423,072. KARL SCHMIDT G. M. B. H., Neckarsulm, Germany. Filed Aug. 28, 1939.



For Founders' Flasks, Ingot Molds, Machine Tools for Metal Working and Parts Thereof, and Metal Pistons.
Claims use since 1923.

Ser. No. 425,243. KONEY-KING, INCORPORATED, Los Angeles, Calif. Filed Nov. 4, 1939.

Koney-King

For Electrical and Automatic Coin Vending Machines Serving Electrically Cooked Hot Dogs.
Claims use since Sept. 1, 1939.

Ser. No. 425,491. IRVING L. SHEPHERD, doing business as J. H. Shepherd Son & Co., Elyria, Ohio. Filed Nov. 9, 1939.

FLEXSO

For Fisherman's Net Repair Needle.
Claims use since Aug. 1, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 425,323. AUTOMATIK VENETIAN HARDWARE CORPORATION, Los Angeles, Calif. Filed Nov. 7, 1939.



The representation of the goods and the words "Easy to Lift", "Easy to Tilt", "Automatik", "EZ", and "No More Cords" are disclaimed apart from the mark. The drawing is lined for orange and blue.
For Venetian Blinds and Hardware for the Construction and Operation of Venetian Blinds.
Claims use since Sept. 18, 1939.

Ser. No. 425,852. FOOT-LONG INC., Cincinnati, Ohio. Filed Nov. 21, 1939.



The drawing is lined for red.
For Refreshment Stands.
Claims use since Oct. 5, 1939.

Ser. No. 426,397. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Dec. 9, 1939.

VILLA
REDI-MADE

The term "Redi-Made" is disclaimed apart from the mark.
For Venetian Blinds and Parts Thereof.
Claims use since Feb. 1, 1939.

CLASS 33

Glassware

Ser. No. 412,485. ANCHOR HOCKING GLASS CORPORATION, Lancaster, Ohio. Filed Nov. 8, 1938.



For Glass Bottles, Tumblers, Tableware, Condiment Jars, Mixing Bowls, and Other Food-Preparing Vessels, Food-Packing Jars, Bottles, Jugs, and Tumblers, Cosmetic Jars, and Cuspidors.
Claims use since June 11, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 425,664. THE WIREMOLD COMPANY, Hartford, Conn. Filed Nov. 15, 1939.

OX-AL-ITE

For Metal and Glass Reflectors and Shades for Lighting Fixtures.
Claims use since Sept. 27, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 426,018. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Nov. 28, 1939.

ACCOPAC

For Gaskets, Washers, and Packing of Cork or Cork Composition and for Cork or Cork Composition in the Sheet Especially Adapted for Packing.
Claims use since Aug. 9, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 412,664. POINSETTIA, INC., Pitman, N. J., assignor to Aktiebolaget Sonora, Stockholm, Sweden, a corporation of Sweden. Filed Nov. 12, 1938.

Scandia

For Phonograph Records.
Claims use since July 10, 1938.

Ser. No. 425,471. THE GRAY MANUFACTURING COMPANY, Hartford, Conn. Filed Nov. 9, 1939.

GRAY AUDOGRAPH

For Disc Sound Recording Machines, Dictation Machines, and Disc Sound Records.
Claims use since Oct. 27, 1939.

Ser. No. 425,472. THE GRAY MANUFACTURING COMPANY, Hartford, Conn. Filed Nov. 9, 1939.

GRAY Hexograph

For Disc Sound Recording Machines, Dictation Machines, and Disc Sound Records.
Claims use since Oct. 26, 1939.

CLASS 37

Paper and Stationery

Ser. No. 426,423. ZEPHYR AMERICAN CORP., New York, N. Y. Filed Dec. 9, 1939.

AUTODEX

For Automatic Touch Control Telephone Number Finder for Desks.
Claims use since May 1937.

CLASS 38

Prints and Publications

Ser. No. 422,827. I. D. PADORR, doing business as Hi-Tone Photo Service, Miami, Fla. Filed Aug. 21, 1939.

hi-tone PHOTO PRINTS

No claim is made to the words "Hi-Tone" and "Photo Prints" apart from the mark.
For Photographic Prints.
Claims use since July 1, 1936.

Ser. No. 424,186. YERMIE STERN COMMERCIAL ATTRACTIONS, INC., New York, N. Y. Filed Oct. 3, 1939.



The words "The Key To Your Destiny" are disclaimed apart from the mark.
For Horoscopes.
Claims use since March, 1939.

Ser. No. 425,531. POCKET BOOKS, INC., New York, N. Y. Filed Nov. 10, 1939.

PERMA-GLOSS

Applicant disclaims the word "Gloss" apart from the mark.
For Books.
Claims use since Oct. 21, 1939.

Ser. No. 425,643. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Nov. 15, 1939.

ANNALS OF CRIME

For Magazine Column.
Claims use since June 6, 1936.

Ser. No. 425,927. OFFICE LIFE MAGAZINE, INC., New York, N. Y. Filed Nov. 24, 1939.

CAREER

For Monthly Magazine.
Claims use since Nov. 15, 1939.

Ser. No. 426,105. THE FRANK A. MUNSEY COMPANY, New York, N. Y. Filed Nov. 30, 1939.

Love Novel OF THE MONTH

For Magazine Issued Every Other Month.
Claims use since Nov. 24, 1939.

Ser. No. 426,267. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed Dec. 5, 1939.

PAINT PROGRESS

For Trade Paper Published from Time to Time.
Claims use since Nov. 27, 1939.

Ser. No. 426,268. NORCROSS, New York, N. Y. Filed Dec. 5, 1939.

HEADS N' TAILS

For Greeting Cards.
Claims use since Nov. 29, 1939.

CLASS 39

Clothing

Ser. No. 423,272. MARCY LEE MFG. COMPANY, Dallas, Tex. Filed Sept. 2, 1939.



The picture is fanciful. The girl in the drawing is known to applicant's trade as June Mason.
For Dresses for Ladies and Misses.
Claims use since Mar. 15, 1939.

Ser. No. 424,103. SAKURA MILLS, INC., Kane, Pa. Filed Sept. 30, 1939.



Applicant disclaims the notation "Kane, Pa." from the mark as shown.
For Ladies' and Children's Underwear.
Claims use since June 1, 1936.

Ser. No. 424,539. CHAS. CHIPMAN'S SONS CO. INC., New York, N. Y. Filed Oct. 14, 1939.



The words "Elastic Toe" and "Sized For Life" are disclaimed apart from the mark.
For Hosiery.
Claims use since July 17, 1939.

Ser. No. 425,373. SWEENEY-BLOCK & CO., INC., New York, N. Y. Filed Nov. 7, 1939.



For Children's Wear—Namely, Suits, Dresses, Blouses, Pants, and Skirts.
Claims use since June 15, 1937.

Ser. No. 425,374. SWEENEY-BLOCK & CO., INC., New York, N. Y. Filed Nov. 7, 1939.



The pictures are fanciful.
For Children's Wear—Namely, Suits, Dresses, Blouses, Pants, and Skirts.
Claims use since Oct. 13, 1939.

Ser. No. 425,422. ORANGE KNITTING MILLS, INC., Orange, Va. Filed Nov. 8, 1939.

Virginia Reel

The word "Virginia" is disclaimed apart from the mark.
For Hosiery.
Claims use since July 24, 1939.

Ser. No. 425,624. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 14, 1939.

PAY SQUARE BAK DAY

The term "Square Bak" is disclaimed apart from the mark.
For Men's and Boys' Overalls.
Claims use since Oct. 30, 1939.

Ser. No. 425,654. A. H. SCHREIBER CO., INC., New York, N. Y. Filed Nov. 15, 1939.

KIDettes

For Children's Underwear and Outerwear—Namely, Panties, Bloomers, Vests, Pajamas, Night Gowns, and Bed Jackets.
Claims use since February, 1936.

Ser. No. 425,840. NEW BEDFORD MANUFACTURING CO., New York, N. Y. Filed Nov. 20, 1939.

"Slumber Jack" FLANNELETTES

The word "Flannelettes" is disclaimed apart from the mark.
For Men's and Boys' Flannelette Pajamas, Night Shirts, and Sleepers.
Claims use since July 1, 1939.

Ser. No. 425,841. NEW BEDFORD MANUFACTURING CO., New York, N. Y. Filed Nov. 20, 1939.

"Slumber Jane" FLANNELETTES

The word "Flannelettes" is disclaimed apart from the mark.
For Ladies' and Girls' Flannelette Pajamas, Night Gowns, and Sleepers.
Claims use since July 1, 1939.

Ser. No. 426,126. R. W. ELDRIDGE COMPANY, INC., Charlotte, N. C. Filed Dec. 1, 1939.

PICKWICK CLUB

For Men's Handkerchiefs.
Claims use since Oct. 3, 1939.

Ser. No. 426,163. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Dec. 2, 1939.

CREEL N'REEL

For Hats for Men.
Claims use since Nov. 24, 1939.

Ser. No. 426,164. KENWOOD MODES INC., New York, N. Y. Filed Dec. 2, 1939.

KEN-MASTER

For Ladies', Misses', and Children's Dresses, Coats, Dress Ensembles, Consisting of Dress and Jacket.
Claims use since October, 1939.

Ser. No. 426,184. COMMONWEALTH HOSIERY MILLS, Randleman, N. C. Filed Dec. 4, 1939.

ROYAL BOND

For Ladies', Misses', Children's, and Men's Hosiery.
Claims use since Nov. 24, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 424,579. CROMPTON COMPANY, West Warwick, R. I. Filed Oct. 16, 1939.

PINROY

For Fabrics in the Piece Made of Cotton, Silk, Rayon, Wool, Linen, or Mixtures Thereof.
Claims use since Oct. 2, 1939.

Ser. No. 425,775. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Nov. 18, 1939.

PAREESHA

For All Rayon Piece Goods.
Claims use since Nov. 3, 1939.

CLASS 43

Thread and Yarn

Ser. No. 413,077. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md. Filed Nov. 23, 1938.

DEFIANCE

For Crochet Cotton, Sewing Cotton, Cotton Yarn, Knitting Yarn, Yarns (Except Rope), and Cotton Weaving Yarns.
Claims use since Nov. 1, 1938.

Ser. No. 426,177. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Dec. 4, 1939.

BEMBERG

Applicant is the owner of registration Number 222,453, registered Jan. 4, 1927.
For Thread and Yarn of Artificial Origin.
Claims use since Nov. 13, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 400,190. THE E. Z. WALK CORPORATION, New York, N. Y. Filed Nov. 27, 1937.





For Unmedicated Corn, Callous, and Bunion Pads, Corn, Callous, and Bunion Pads Adapted to be Combined With a Medicating Element, and Corn and Callous Files.
Claims use since June 1, 1932.

Ser. No. 426,092. HOME DIATHERMY CO., INC., New York, N. Y. Filed Nov. 30, 1939.

HOME DIATHERMY CO. INC.

For Diathermic Appliances.
Claims use since 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 425,609. SYLVESTER DI LEO, doing business as S. DiLeo, New Orleans, La. Filed Nov. 14, 1939.

SDiLeo



The portrait is that of applicant.
For Maltless, Noncereal, Nonalcoholic Tom Collins Beverage Mixer.
Claims use since Sept. 29, 1939.

Ser. No. 425,832. NATHAN DROSSNER, doing business as McCarter Bottling Company, Philadelphia, Pa. Filed Nov. 20, 1939.



For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since June, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 415,846. KEMCO PRODUCTS CO., Kokomo, Ind. Filed Feb. 9, 1939.

StorBOOK

For Canned Soups and/or Porridges.
Claims use since Jan. 19, 1939.

Ser. No. 419,879. PHILADELPHIA WHOLESALE DRUG COMPANY, Philadelphia, Pa. Filed May 26, 1939.

Dcuco

For Bouillon Cubes, Essence of Vanilla for Food Flavoring, Olive Oil.
Claims use since May 1, 1915, on bouillon cubes and olive oil; and since Feb. 1, 1922, on essence of vanilla.

Ser. No. 424,760. CHIN & LEE COMPANY, INC., New York, N. Y. Filed Oct. 21, 1939.

MEE - MEE

For Flavoring Essence for Soup, Fish, Meat, Vegetables, and Gravy.
Claims use since April 1, 1939.

Ser. No. 425,547. AMERICAN BAKERIES COMPANY, Atlanta, Ga. Filed Nov. 13, 1939.

CHEESE CHEX

The word "Cheese" is disclaimed apart from the mark.
For Crackers.
Claims use since June, 1927.

CLASS 47

Wines

Ser. No. 422,021. H. SICHEL & SONS LIMITED, also doing business as H. Sichel Söhne, London, England. Filed July 27, 1939. Under 10-year proviso.

H. SICHEL SÖHNE

For German Wines.
Claims use since 1891.

Ser. No. 424,504. TORINO VERMOUTH, INC., New York, N. Y. Filed Oct. 12, 1939.

GOTTARDI
Vino
AMERICAN
VERMOUTH
Produced and bottled by
TORINO VERMOUTH, INC.
NEW YORK N. Y.

Applicant disclaims all words except "Gottardi" separately from the mark.
For Vermouth.
Claims use since July 1, 1939.

CLASS 48

Malt Beverages and Liquors

Ser. No. 418,299. PETER FOX BREWING CO., Chicago, Ill. Filed Apr. 15, 1939.

FOX
DE LUXE
BEER

No claim is made to the words "Fox" and "Beer" apart from the mark. The portrait is fanciful.
For Beer.
Claims use since June 9, 1933.

Ser. No. 425,721. THE PILSENER BREWING COMPANY, Cleveland, Ohio. Filed Nov. 16, 1939.

TOBY
ALE

The word "Ale" is disclaimed apart from the mark.
For Ales.
Claims use since Nov. 1, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 425,596. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.

CREME de MENTHE
Made & Bottled by
Hiram Walker & Sons Inc
Distributors of "Canadian Club" Whiskey

Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for black, gold, and green. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.
For Creme de Menthe.
Claims use since August, 1937.

Ser. No. 425,597. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.

SLOE
GIN
Made & Bottled by
Hiram Walker & Sons Inc
Peoria, Illinois, U.S.A.
Distributors of "Canadian Club" Whiskey

Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for orange, blue, green, brown, black, and gold. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.
For Sloe Gin.
Claims use since August, 1937.

Ser. No. 425,598. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.

Cocktail
Made & Bottled by
Hiram Walker & Sons, Inc.
Peoria, Illinois U.S.A.
Distributors of "Canadian Club" Whiskey

Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for gold, black, and red. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.
For Cocktail.
Claims use since August, 1937.

Ser. No. 425,599. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.

Rock and Rye
Made & Bottled by
Hiram Walker & Sons, Inc
Peoria, Illinois, U.S.A.
Distributors of "Canadian Club" Whiskey

Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for red, black, gold, green, and brown. The outline of the label and all wording except "Hiram Walker's", "Canadian Club" and applicant's name are disclaimed apart from the mark.
For Rock and Rye.
Claims use since August, 1937.

Ser. No. 425,600. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.



Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for gold, black, red, blue, green, and brown. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.

For Creme de Cacao.

Claims use since August, 1937.

Ser. No. 425,601. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.



Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for black, gold, and orange. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.

For Orange Curacao.

Claims use since August, 1937.

Ser. No. 425,602. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.



Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for black, gold, and red. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.

For Kummel.

Claims use since September, 1937.

Ser. No. 425,603. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Nov. 13, 1939.



Applicant is owner of T. M. Reg. No. 102,661 (renewed), effected under the 10-year proviso for the words "Canadian Club". The drawing is lined for black, gold, and green. The outline of the label and all wording except "Hiram Walker's", "Canadian Club", and applicant's name are disclaimed apart from the mark.

For Liqueur.

Claims use since August, 1937.

Ser. No. 425,829. BUSHMILL WINE & PRODUCTS CO., Scranton, Pa. Filed Nov. 20, 1939.



For Rye Whiskey.

Claims use since Jan. 1, 1934.

Ser. No. 425,856. GOODERHAM & WORTS LIMITED, Detroit, Mich., and Peoria, Ill. Filed Nov. 21, 1939.



The drawing is lined for red, gold, and brown. The outline of the label and all wording and lettering except G & W and applicant's name is disclaimed apart from the mark.

For Whiskey.

Claims use since July, 1939.

Ser. No. 426,522. CLIFTON SPRINGS DISTILLING CO., Wilmington, Del., and Lawrenceburg, Ind. Filed Dec. 13, 1939.

UNIQUE

For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.

Claims use since Nov. 22, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 30, 1940

374,835. METALLIC-CONTENT LIQUID COMPOSITION IN THE NATURE OF A PAINT ADAPTED TO FORM A PROTECTIVE FINISH AND TO BE APPLIED IN A MANNER SIMILAR TO A PAINT. CLADITE INCORPORATED, New York, N. Y.
Filed June 10, 1937. Serial No. 393,896. PUBLISHED NOVEMBER 21, 1939. Class 16.

374,836. WINES. ACHAIA-CLAUSS WINE COMPANY, LTD., New York, N. Y.
Filed January 21, 1938. Serial No. 402,162. PUBLISHED OCTOBER 4, 1938. Class 47.

374,837. TISSUE CREAM, FOUNDATION CREAM, CREAM FOR CLEANSING, CREAM FOR THE EYES, CREAM FOR THE THROAT, ETC. GAE COLLETTE, New York, N. Y.
Filed August 9, 1938. Serial No. 409,397. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,838. TOOTH POWDER. THE GARDEN TOOTH POWDER COMPANY, Garden, Mich.
Filed August 27, 1938. Serial No. 410,059. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,839. THERAPEUTIC DEHYDRATED, CONCENTRATED VEGETABLE SUPPLEMENTAL FOODS IN CAPSULE AND TABLET FORM. PHILIP W. SIMONS, doing business as Raymor Food Products Co., Chicago, Ill.
Filed September 3, 1938. Serial No. 410,271. PUBLISHED JULY 4, 1939. Class 6.

374,840. INDUSTRIAL EXTRACTS—NAMELY, EXTRACTS USED IN THE TANNING INDUSTRY. LA FORESTAL ARGENTINA, SOCIEDAD ANONIMA DE TIERRAS, MADERAS Y EXPLOTACIONES COMERCIALES E INDUSTRIALES, Buenos Aires, Argentina.
Filed September 6, 1938. Serial No. 410,295. PUBLISHED OCTOBER 24, 1939. Class 6.

374,841. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE OR CELLULOSE DERIVATIVES AND COMBINATIONS THEREOF. RIDGWAY, WHITING & BODENSCHATZ, INC., Nutley, N. J.
Filed October 5, 1938. Serial No. 411,311. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,842. SORBITOL SYRUPS HAVING GENERAL USE IN THE INDUSTRIAL ARTS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed October 12, 1938. Serial No. 411,516. PUBLISHED OCTOBER 24, 1939. Class 6.

374,843. BICYCLES AND PARTS THEREFOR—TO WIT, PEDALS, HANDLE BARS, FORKS, SEATS, CRANKS, HUBS, COASTER BRAKES, WHEELS, SPOKES, AND RIMS. MITSUI & CO. LTD., New York, N. Y.
Filed November 4, 1938. Serial No. 412,384. PUBLISHED NOVEMBER 21, 1939. Class 19.

374,844. CLEANING POWDER FOR WATER-CLOSET BOWLS AND AUTOMOBILE RADIATORS. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio.
Filed December 10, 1938. Serial No. 413,671. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,845. CLEANING POWDER FOR WATER-CLOSET BOWLS AND AUTOMOBILE RADIATORS. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio.
Filed December 10, 1938. Serial No. 413,672. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,846. VACCINES FOR USE IN THE TREATMENT OF GONOCOCCIQUE INFECTIONS. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 19, 1939. Serial No. 415,010. PUBLISHED OCTOBER 24, 1939. Class 6.

374,847. VACCINES FOR USE IN THE TREATMENT OF STAPHYLOCOCCIQUE INFECTIONS. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 19, 1939. Serial No. 415,011. PUBLISHED OCTOBER 24, 1939. Class 6.

374,848. VACCINES FOR USE IN THE TREATMENT OF WHOOPING-COUGH. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 19, 1939. Serial No. 415,012. PUBLISHED OCTOBER 24, 1939. Class 6.

374,849. BLANKETS AND PIECE GOODS CONTAINING WOOL. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 23, 1939. Serial No. 415,146. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,850. LOTION FOR THE PREVENTATIVE OF BITES FROM INSECTS. MILLSITE STEEL & WIRE WORKS, Howell, Mich.
Filed February 18, 1939. Serial No. 416,198. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,851. FLY POWDER. KAWAHARA CO., Los Angeles, Calif., and Honolulu, Territory of Hawaii.
Filed February 21, 1939. Serial No. 416,290. PUBLISHED OCTOBER 24, 1939. Class 6.

374,852. PREPARATION FOR RELIEVING STOMACH AND INTESTINAL DISEASES. KAWAHARA CO., Los Angeles, Calif., and Honolulu, Territory of Hawaii.
Filed February 21, 1939. Serial No. 416,292. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,853. ANTISEPTIC RECOMMENDED PARTICULARLY FOR CUTS, ABRASIONS, BRUISES, SPRAINS, INSECT BITES AND STINGS, AND CHRONIC ULCERS. BUICK W. WOODLEY, doing business as Carolina Medicine Co., Asheboro, N. C.
Filed February 21, 1939. Serial No. 416,302. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,854. AFTER-SHAVING LOTION, COLOGNE, HAIR TONIC, FACE LOTION, HAND LOTION, HAND STAIN REMOVER, TOOTH PASTE, HAIR CONTROL PASTE, AND TALCUM POWDER. THE HOUSE FOR MEN, INC., Chicago, Ill.
Filed February 25, 1939. Serial No. 416,420. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,855. MEDICINAL PREPARATIONS IN LIQUID FORM FOR THE TREATMENT OF INTESTINAL PUTREFACTION. THE FERMENT COMPANY, New York, N. Y.
Filed March 1, 1939. Serial No. 416,555. PUBLISHED OCTOBER 24, 1939. Class 6.

374,856. NAIL POLISH IN LIQUID, CREAM, POWDER, CAKE, AND PASTE FORM, NAIL POLISH REMOVER IN LIQUID AND CREAM FORM, NAIL ENAMEL, NAIL TINT, NAIL ROUGE, NAIL WHITE, NAIL BLEACH, NAIL LOTION AND NAIL CREAM, CUTICLE REMOVER, CUTICLE CREAM, CUTICLE OIL, CUTICLE SALVE. PEGGY SAGE, INC., New York, N. Y.
Filed March 2, 1939. Serial No. 416,618. PUBLISHED AUGUST 22, 1939. Class 6.

374,857. TOOTH POWDERS, DENTIFRICES, AND PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF PYORRHEA, TRENCH MOUTH, TONSILLITIS, SORE THROAT, AND CATARRH. THE KNOX COMPANY, Los Angeles, Calif.
Filed March 8, 1939. Serial No. 416,803. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,858. DYESTUFFS AND BULK OILS FOR USE IN MANUFACTURING SHAMPOO PREPARATIONS. MAHER COLOR & CHEMICAL CO. INC., Chicago, Ill.
Filed March 9, 1939. Serial No. 416,859. PUBLISHED OCTOBER 24, 1939. Class 6.

374,859. MEAT CURING COMPOUNDS HAVING INCIDENTAL FLAVORING PROPERTIES. THE FIGARO COMPANY, Dallas, Tex.
Filed March 13, 1939. Serial No. 417,007. PUBLISHED SEPTEMBER 26, 1939. Class 6.

374,860. WINES. THE TAYLOR WINE COMPANY, Hammondsport, N. Y.
Filed March 30, 1939. Serial No. 417,661. PUBLISHED NOVEMBER 21, 1939. Class 47.

374,861. COSMETIC LOTIONS, TONICS, CREAMS, AND OILS. GLORIA BRISTOL, LTD., New York, N. Y.
Filed April 4, 1939. Serial No. 417,831. PUBLISHED OCTOBER 24, 1939. Class 6.

374,862. BATH TABLETS. BERLO COSMETIC PRODUCTS, INC., New York, N. Y.
Filed April 21, 1939. Serial No. 418,509. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,863. FACIAL PREPARATIONS, INCLUDING NOURISHING CREAM, FLUID SKIN CLEANSER, CLEANSING CREAM, STIMULATION CREAM, SKIN TONIC, FACE POWDER, ROUGE, LIPSTICK, AND EYE SHADOW. MARTIN DE BOTELHO, New York, N. Y.
Filed May 3, 1939. Serial No. 419,011. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,864. OPAQUING AGENTS USED IN THE MANUFACTURE OF VITREOUS ENAMELS. THE HARSHAW CHEMICAL COMPANY, Cleveland, Ohio.
Filed May 9, 1939. Serial No. 419,225. PUBLISHED OCTOBER 31, 1939. Class 6.

374,865. FABRIC TREATING PREPARATIONS PRIMARILY INTENDED FOR USE ON GARMENT COLLARS TO PREVENT THE SAME FROM CHAFING THE WEARER. WALTON SHANNON, Jackson, Miss.
Filed May 10, 1939. Serial No. 419,275. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,866. FLAME-CUT STEEL PLATES. LUKENS STEEL COMPANY, Coatesville, Pa.
Filed May 25, 1939. Serial No. 419,814. PUBLISHED NOVEMBER 21, 1939. Class 14.

374,867. TYPE AND ROLL REFINISHER. WRITE, INCORPORATED, Bridgeport, Conn.
Filed May 25, 1939. Serial No. 419,826. PUBLISHED OCTOBER 24, 1939. Class 6.

374,868. ASTRINGENTS, ASTRINGENT CERATES, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. SHULTON, INC., New York, N. Y.
Filed May 26, 1939. Serial No. 419,884. PUBLISHED OCTOBER 31, 1939. Class 6.

374,869. SOLID AND LIQUID COMPOSITIONS FOR WAVING HAIR. FRIGID-H-AIR PERMANENT WAVE CORP., New York, N. Y.
Filed June 2, 1939. Serial No. 420,098. PUBLISHED OCTOBER 31, 1939. Class 6.

374,870. DISINFECTING CHEMICAL PREPARATIONS HAVING STERILIZING, DISINFECTING, AND SOLVENT PROPERTIES, ETC. PROTECTOL COMPANY, INC., Chicago, Ill.
Filed June 5, 1939. Serial No. 420,186. PUBLISHED OCTOBER 24, 1939. Class 6.

374,871. FACIAL PACK. BLAINE CULVER, doing business as Alberto-Culver, Los Angeles, Calif.
Filed June 9, 1939. Serial No. 420,314. PUBLISHED SEPTEMBER 26, 1939. Class 6.

374,872. GASES PREPARED FOR MEDICAL PURPOSES, INCLUDING CARBON DIOXIDE, ETHYLENE, HYDROGEN, HELIUM, CYCLOPROPANE, NITROUS OXIDE, OXYGEN AND VARIOUS MIXTURES THEREOF. PURITAN COMPRESSED GAS CORPORATION, Kansas City, Mo.
Filed June 12, 1939. Serial No. 420,429. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,873. CITRUS FRUIT POLISHING WAX. DAVID G. ULREY, Lakeland, Fla.
Filed June 17, 1939. Serial No. 420,614. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,874. SELF-ANCHORING DRIVE SLEEVE FASTENERS USED FOR DIRECTLY FASTENING PARTS TO MASONRY OR OTHER MATERIALS IN LIEU OF NAILS, SCREWS, AND THE LIKE. THE RAWLPLUG COMPANY, INC., New York, N. Y.
Filed June 21, 1939. Serial No. 420,778. PUBLISHED NOVEMBER 21, 1939. Class 13.

374,875. PERFUMES, EAU DE COLOGNE, FACE POWDERS, FACE CREAMS, BATH SALTS, ROUGE, LIPSTICK. ETTA PERFUMES, New York, N. Y.
Filed June 24, 1939. Serial No. 420,903. PUBLISHED OCTOBER 24, 1939. Class 6.

374,876. THERAPEUTIC MACHINES FOR MAKING USE OF THE HEATING EFFECT PRODUCED BY THE APPLICATION OF SHORT AND ULTRA-SHORT WAVE CURRENT TO VARIOUS SUBSTANCES INCLUDING LIVING TISSUE. MANN CAPACITHERM COMPANY, INC., Tacoma, Wash.
Filed June 24, 1939. Serial No. 420,911. PUBLISHED NOVEMBER 21, 1939. Class 44.

374,877. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, ETC. ADELE MOREL, New York, N. Y.
Filed June 24, 1939. Serial No. 420,913. PUBLISHED OCTOBER 24, 1939. Class 6.

374,878. SODIUM HYPOCHLORITE SOLUTION, A WATER SOFTENER AND CLEANSER. EDWARD J. MRAZ, doing business as Rayox Sales Company, Cleveland, Ohio.
Filed June 26, 1939. Serial No. 420,984. PUBLISHED OCTOBER 24, 1939. Class 6.

374,879. RADIOS AND ACCESSORIES INCLUDING AERIAL KITS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 27, 1939. Serial No. 420,992. PUBLISHED NOVEMBER 21, 1939. Class 21.

374,880. RADIOS AND ACCESSORIES INCLUDING AERIAL KITS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 27, 1939. Serial No. 420,993. PUBLISHED NOVEMBER 21, 1939. Class 21.

374,881. ANIMAL DIP FOR USE ON ANIMALS TO CONTROL THE PARASITIC DISEASES THEREOF. NIAGARA SPRAYER AND CHEMICAL CO., INC., Middleport, N. Y.
Filed June 29, 1939. Serial No. 421,095. PUBLISHED OCTOBER 24, 1939. Class 6.

374,882. PERFUME EXTRACT, TOILET WATER, TALCUM POWDER, AND BATH SALTS. FLORIDA FLOWERS, INC., Coral Gables, Fla.
Filed June 30, 1939. Serial No. 421,136. PUBLISHED OCTOBER 24, 1939. Class 6.

374,883. ABIETENE SODIUM SULFONATE, ACETANILIDE, ACETIC ACID, ACTIVATED ANIMAL PRO-VITAMIN D, ETC. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 30, 1939. Serial No. 421,223. PUBLISHED OCTOBER 31, 1939. Class 6.

374,884. ELECTRO-THERAPEUTIC APPARATUS USED FOR TREATING ASTHMA AND KINDRED CONDITIONS, OTHER SYMPTOMS AND CONDITIONS DUE TO MALFUNCTIONING OF THE SYMPATHETIC NERVE SYSTEM, AND LOCAL CONDITIONS WHERE HYPEREMIA IS INDICATED. WM. GRANT LEWI, New York, N. Y.
Filed July 3, 1939. Serial No. 421,246. PUBLISHED NOVEMBER 21, 1939. Class 44.

374,885. HAIR DRESS OR TONIC, SKIN LOTION. ANTHONY S. TORO, doing business as Tropic Medical Products Co., Brooklyn, N. Y.
Filed July 8, 1939. Serial No. 421,402. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,886. CERAMICS OF THE NATURE OF PORCELAIN AND HAVING ELECTRICAL INSULATING CHARACTERISTICS FOR USE IN THE ELECTRICAL, COMMUNICATIONS, AND ELECTRONIC INDUSTRIES. ISOLANTITE INC., Belleville, N. J.
Filed July 12, 1939. Serial No. 421,484. PUBLISHED NOVEMBER 21, 1939. Class 21.

374,887. RAT EXTERMINATORS AND ROACH EXTERMINATORS. JAMES LAURENS NICHOLES, Philadelphia, Pa.
Filed July 12, 1939. Serial No. 421,490. PUBLISHED OCTOBER 24, 1939. Class 6.

374,888. UNFINISHED IRON AND STEEL CASTINGS GENERALLY CONSISTING OF MORE THAN 80% OF METALLIC IRON. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed July 13, 1939. Serial No. 421,521. PUBLISHED NOVEMBER 21, 1939. Class 14.

374,889. SULFATED AND SULFONATED ORGANIC MATERIALS ADAPTED FOR USE IN COSMETIC AND PHARMACEUTICAL PREPARATIONS INCLUDING SKIN CREAMS, OINTMENTS, COLD CREAMS, VANISHING CREAMS, HAND LOTIONS, SHAMPOOS, SOAPS, ETC. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed July 14, 1939. Serial No. 421,575. PUBLISHED OCTOBER 24, 1939. Class 6.

374,890. CLEANING FLUIDS FOR METALS AND GLASSWARE. ALUMINATE COMPANY, Pittsburgh, Pa.
Filed July 15, 1939. Serial No. 421,592. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,891. PREPARATION FOR PREVENTING STAINS, MILDEW, AND RUST, AND FOR MAKING FABRIC WATER REPELLENT. INTERSTATE LABORATORIES, INC., Long Island City, N. Y.
Filed July 20, 1939. Serial No. 421,777. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,892. WAX COMPOSITION SUITABLE FOR USE FOR DEFEATHERING FOWL OR DE-HAIRING ANIMALS. NATIONAL WAX COMPANY, Chicago, Ill.
Filed July 28, 1939. Serial No. 422,066. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,893. NONALCOHOLIC NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS. ROOT POP BOTTLING CO., INC., Washington, D. C.
Filed August 3, 1939. Serial No. 422,259. PUBLISHED NOVEMBER 21, 1939. Class 45.

374,894. TONIC PREPARATION FOR USE IN THE TREATMENT OF MYASTHENIA GRAVIS AND OTHER MUSCULAR DYSTROPHIES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed July 31, 1939. Serial No. 422,113. PUBLISHED OCTOBER 24, 1939. Class 6.

374,895. LIQUID PREPARATION FOR MASSAGING AND FOR THE RELIEF OF RHEUMATISM AND STIFFNESS. BRUNO HARTMANN, Weehawken, N. J.
Filed July 31, 1939. Serial No. 422,134. PUBLISHED OCTOBER 24, 1939. Class 6.

374,896. SULPHUR BUT NOT FOR MEDICINAL USE IN SMALL PACKAGES WHICH MAY BE SOLD DIRECTLY TO THE INDIVIDUAL USER. STAUFFER CHEMICAL COMPANY, INC., San Francisco, Calif., and New York, N. Y.
Filed July 31, 1939. Serial No. 422,158. PUBLISHED SEPTEMBER 12, 1939. Class 6.

374,897. PALATABLE AND POWERFUL NERVE SEDATIVE AND ANTISPASMODIC. MORRIS FREEZMAN, doing business as Stanton Pharmacal Co., Steubenville, Ohio.
Filed August 1, 1939. Serial No. 422,171. PUBLISHED OCTOBER 24, 1939. Class 6.

374,898. AUTOMOBILE RADIATOR CLEANING FLUID AND FOR A CHEMICAL RUST-PROOFING SOLUTION. RUST MASTER CHEMICAL CORP., Boston, Mass.
Filed August 4, 1939. Serial No. 422,268. PUBLISHED OCTOBER 24, 1939. Class 6.

374,899. PIECE GOODS MADE OF WOOL, AND COTTON AND WOOL. EUREKA WOOLEN MILLS, Eureka, Calif.
Filed August 8, 1939. Serial No. 422,401. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,900. PREPARATION FOR PREVENTION OF RUST OR CORROSION IN MACHINERY AND VARIOUS METALLIC SURFACES, HAVING ALSO INCIDENTAL LUBRICATING QUALITIES. POTOMAC CHEMICAL COMPANY, INC., Washington, D. C.
Filed August 8, 1939. Serial No. 422,418. PUBLISHED OCTOBER 24, 1939. Class 6.

374,901. INSECTICIDES USED ON DOMESTIC ANIMALS. GEORGE A. MORTY COMPANY, Miami, Fla.
Filed August 9, 1939. Serial No. 422,447. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,902. PERFUMES AND TOILET WATERS. HENRI BENDEL INC., New York, N. Y.
Filed August 12, 1939. Serial No. 422,534. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,903. LAXATIVES AND CATHARTICS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed August 14, 1939. Serial No. 422,593. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,904. SHAVING CREAM. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa.
Filed August 15, 1939. Serial No. 422,644. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,905. LAUNDRY STARCH. HELLWIG-MILLER COMPANY, New York, N. Y.
Filed August 17, 1939. Serial No. 422,694. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,906. OUTSIDE PAINTS, INTERIOR PAINTS, PAINT ENAMELS, STAINS, FILLERS, COLORS IN OIL, CALSOMINE, PUTTY, PAINT ROOF COATING, ETC. FORMAN, FORD AND COMPANY, Minneapolis, Minn.
Filed August 17, 1939. Serial No. 422,697. PUBLISHED NOVEMBER 21, 1939. Class 16.

374,907. WINES. GEO. H. NAEGELE, RALPH FORCH AND S. W. HARKLEROAD, Trustees for A. Mattei, doing business as A. Mattei, Fresno, Calif.
Filed August 16, 1939. Serial No. 422,727. PUBLISHED NOVEMBER 21, 1939. Class 47.

374,908. CHEMICAL COMPOUND TO BE USED IN THE TREATMENT OF CONDITIONS CAUSED BY INFECTIOUS ORGANISMS. SCHERING CORPORATION, Bloomfield, N. J.
Filed August 18, 1939. Serial No. 422,758. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,909. PLAIN UNCOATED COMPRESSED MEDICINAL TABLETS USED AS AN ABSORPTIVE, ANTIDYSPEPTIC, AND ANTACID. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa.
Filed August 17, 1939. Serial No. 422,765. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,910. GENERAL TONIC. HOWARD J. MOFFETT, New York, N. Y.
Filed August 18, 1939. Serial No. 422,767. PUBLISHED OCTOBER 31, 1939. Class 6.

374,911. PREPARATION FOR USE IN REMOVING RUST AND STAINS FROM METAL. AMERICAN RUST ERADICATOR CO., Auburn, N. Y.
Filed August 21, 1939. Serial No. 422,802. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,912. HAIR TONIC FOR TREATMENT OF THE SCALP. WALTER J. DOXSEE, Seattle, Wash.
Filed August 21, 1939. Serial No. 422,810. PUBLISHED OCTOBER 31, 1939. Class 6.

374,913. GERMICIDE AND ANTISEPTIC. VICK CHEMICAL COMPANY, New York, N. Y.
Filed August 22, 1939. Serial No. 422,877. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,914. RESINS, AQUEOUS DISPERSIONS OF RESINS, AQUEOUS EMULSIONS OF RESINS, NON-AQUEOUS SOLUTIONS OF RESINS, ETC.—QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa.
Filed August 23, 1939. Serial No. 422,908. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,915. DOG MEDICINES—NAMELY, A PREPARATION FOR TREATMENT OF MANGE AND A TONIC FOR LOSS OF APPETITE. SAMUEL REED, doing business as Reedo Medicine Company, Wilmington, Del.
Filed August 23, 1939. Serial No. 422,909. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,916. COSMETICS—INCLUDING CLEANSING CREAMS, FOUNDATION CREAMS, NOURISHING CREAMS, HAND CREAMS, ETC. G. SALEVA & Co., New York, N. Y.
Filed August 23, 1939. Serial No. 422,912. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,917. [WITHDRAWN.]

374,918. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, LINEN, AND WOOLEN FABRICS. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed August 24, 1939. Serial No. 422,942. PUBLISHED OCTOBER 17, 1939. Class 42.

374,919. SODIUM ARSENITE IN CONCENTRATED LIQUID FORM FOR KILLING WEEDS. PENNSYLVANIA SALT MANUFACTURING COMPANY OF WASHINGTON, Tacoma, Wash.
Filed August 24, 1939. Serial No. 422,953. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,920. EXTERNAL MEDICAL PREPARATION FOR CUTS, BURNS, AND BRUISES, AND ALSO FOR TREATING SINUS HEADACHES, HAY FEVER, AND ASTHMA. RICE AND RICE, Medford, Oreg.
Filed August 24, 1939. Serial No. 422,954. PUBLISHED OCTOBER 24, 1939. Class 6.

374,921. CHEMICAL APPLIED TO WRAPPING PAPER FOR RETARDING FORMATION OF MOULD. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y.
Filed August 24, 1939. Serial No. 422,955. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,922. DISINFECTANT-GERMICIDE. JOSEPH ARENA, also doing business as Arena-Javelle Company, New York, N. Y.
Filed August 25, 1939. Serial No. 422,976. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,923. GAS GENERATING PLANTS. JOSEPH J. MALIR, JR., doing business as Luxogas Co., Denver, Colo.
Filed August 26, 1939. Serial No. 423,029. PUBLISHED NOVEMBER 21, 1939. Class 34.

374,924. STEEL BOILERS. BENEDICT MANDELBURG, New York, N. Y.
Filed August 26, 1939. Serial No. 423,030. PUBLISHED NOVEMBER 21, 1939. Class 34.

374,925. MEDICATED COMPOUND FOR USE IN THE PREVENTION AND TREATMENT OF PYORRHEA. ROBERT J. RUCKMAN, Baker, Oreg.
Filed August 26, 1939. Serial No. 423,036. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,926. TOOTH PASTE AND TOOTH POWDER. TIMOTHY F. WILLIAMS, New York, N. Y.
Filed August 26, 1939. Serial No. 423,040. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,927. MOTOR DELIVERY TRUCKS AND STRUCTURAL PARTS THEREOF. THE MONTPELIER MANUFACTURING CO., Montpelier, Ohio.
Filed August 28, 1939. Serial No. 423,063. PUBLISHED NOVEMBER 21, 1939. Class 19.

374,928. EYE DROPS. NYAL COMPANY, Detroit, Mich.
Filed August 28, 1939. Serial No. 423,065. PUBLISHED OCTOBER 24, 1939. Class 6.

374,929. LAXATIVE AND CATHARTIC PREPARATION. NYAL COMPANY, Detroit, Mich.
Filed August 28, 1939. Serial No. 423,066. PUBLISHED OCTOBER 24, 1939. Class 6.

374,930. BILE SALTS FOR INCREASING THE DEVELOPMENT OF BILE IN THE LIVER CELLS AND THE FLOW OF BILE THROUGH THE BILIARY TRACT. THE PAUL PLESSNER COMPANY, Detroit, Mich.
Filed August 28, 1939. Serial No. 423,069. PUBLISHED OCTOBER 24, 1939. Class 6.

374,931. PREPARATION USED IN THE TREATMENT OF VITAMIN B DEFICIENCY CONDITIONS. ENDO PRODUCTS, INC., New York, N. Y.
Filed August 29, 1939. Serial No. 423,091. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,932. PHOTOGRAPHIC CHEMICALS. GEVAERT PHOTO-PRODUCTEN, NAAMLOOZE VENNOOTSCHAP (PHOTO-PRODUITS GEVAERT, SOCIÉTÉ ANONYME), Oude-God, Belgium.
Filed August 29, 1939. Serial No. 423,092. PUBLISHED OCTOBER 24, 1939. Class 6.

374,933. MEAT CURING SALTS AND MEAT CURING LIQUIDS. THE PRESERVALINE MANUFACTURING CO., New York, N. Y.
Filed August 29, 1939. Serial No. 423,115. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,934. PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed August 30, 1939. Serial No. 423,124. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,935. HAIR WAVING CREAM. GRACE C. STABER, doing business as Jay's Laboratories, Los Angeles, Calif.
Filed August 29, 1939. Serial No. 423,149. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,936. INTESTINAL LUBRICANT, INSECTICIDE, PETROLATUM, INSECT KILLER, FLY REPELLENT, ETC. GULF OIL CORPORATION, Pittsburgh, Pa.
Filed August 31, 1939. Serial No. 423,168. PUBLISHED OCTOBER 24, 1939. Class 6.

374,937. MAGNESIUM CITRATE. J. T. BAKER CHEMICAL CO., Phillipsburg, N. J.
Filed September 1, 1939. Serial No. 423,201. PUBLISHED OCTOBER 31, 1939. Class 6.

374,938. EMULSION OF COD LIVER OIL. MORTON MANUFACTURING CORPORATION, also doing business as Budwell Pharmacal Company, Lynchburg, Va.
Filed September 1, 1939. Serial No. 423,226. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,939. SEDATIVE, EXPECTORANT, AND BRONCHIAL MEDICAMENT. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed September 1, 1939. Serial No. 423,235. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,940. STOMACH BITTERS. MARK VANDEWART, doing business as Cossack Products, New York, N. Y.
Filed September 2, 1939. Serial No. 423,282. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,941. PREPARATION USED IN THE TREATMENT OF DRY AND BRITTLE HAIR. THE WELLA CORPORATION, New York, N. Y.
Filed September 6, 1939. Serial No. 423,347. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,942. METAL ALLOYS IN ROD AND WIRE FORM USED IN WELDING AND FOR CORE SOLDER. MARTIN KURZER, New York, N. Y.
Filed September 8, 1939. Serial No. 423,422. PUBLISHED NOVEMBER 21, 1939. Class 14.

374,943. BLEACHING AND DISINFECTING SOLUTIONS. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio.
Filed September 8, 1939. Serial No. 423,441. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,944. DENTIFRICES. JOHN KNIGHT LIMITED, London, England.
Filed September 9, 1939. Serial No. 423,467. PUBLISHED OCTOBER 31, 1939. Class 6.

374,945. COLOGNE. LUCIEN LELONG, INC., Chicago, Ill.
Filed September 11, 1939. Serial No. 423,502. PUBLISHED OCTOBER 31, 1939. Class 6.

374,946. STEEL WOOL AND WOVEN METAL CLEANERS FOR METALWARE. DAVID J. KELMAN, New York, N. Y.
Filed September 13, 1939. Serial No. 423,585. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,947. REFINED MINERAL OIL FOR TECHNICAL USE IN THE MANUFACTURE OF COSMETICS AND PHARMACEUTICAL PRODUCTS. THE CONEWANGO REFINING COMPANY, Warren, Pa.
Filed September 14, 1939. Serial No. 423,593. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,948. SOAP FOR GENERAL CLEANSING PURPOSES. THE BUCK-JACK COMPANY, Baltimore, Md.
Filed September 14, 1939. Serial No. 423,618. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,949. BEER. JACOB RUPPERT, New York, N. Y.
Filed September 15, 1939. Serial No. 423,635. PUBLISHED NOVEMBER 21, 1939. Class 48.

374,950. BEER. JACOB RUPPERT, New York, N. Y.
Filed September 15, 1939. Serial No. 423,636. PUBLISHED NOVEMBER 21, 1939. Class 48.

374,951. BEER. JOHN F. TROMMER, INC., Brooklyn, N. Y.
Filed September 16, 1939. Serial No. 423,683. PUBLISHED NOVEMBER 21, 1939. Class 48.

374,952. COMPOSITIONS FOR TREATING METAL SURFACES TO IMPART CORROSION RESISTANCE AND BONDING PROPERTIES. CURTAIN-HOWE CORPORATION, New York, N. Y.
Filed September 19, 1939. Serial No. 423,726. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,953. CLEANING FLUID USED AS AN OIL, GREASE, FAT, AND DIRT SOLVENT FOR HOUSEHOLD AND INDUSTRIAL USES. FEDERAL MINING & MFG. CO., Jersey City, N. J.
Filed September 20, 1939. Serial No. 423,757. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,954. OINTMENT SOLD IN CAPSULE FORM FOR TREATMENT OF THE EYES. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed September 20, 1939. Serial No. 423,765. PUBLISHED NOVEMBER 7, 1939. Class 6.

374,955. CHEMICAL SUBSTANCES FOR THE TREATMENT OF DYED YARNS AND FABRICS, FOR THE PURPOSE OF ENABLING THEM TO RETAIN THEIR COLOUR. COURTAULDS, LIMITED, London, England.
Filed September 21, 1939. Serial No. 423,799. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,956. CLEANSER FOR GENERAL HOUSEHOLD USES, HAVING CLEANING AND DETERGENT PROPERTIES AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES. LINCO PRODUCTS CORPORATION, Chicago, Ill.
Filed September 22, 1939. Serial No. 423,846. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,957. ENAMEL ADAPTED FOR COATING FINGER NAILS AND LIPSTICKS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed September 22, 1939. Serial No. 423,862. PUBLISHED OCTOBER 31, 1939. Class 6.

374,958. ENAMEL ADAPTED FOR COATING FINGER NAILS AND LIPSTICKS. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed September 22, 1939. Serial No. 423,863. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,959. HACK SAW BLADES. G. W. GRIFFIN CO., Franklin, N. H.
Filed September 23, 1939. Serial No. 423,882. PUBLISHED NOVEMBER 21, 1939. Class 23.

374,960. PERFUME. IRRESISTIBLE, INC., Jersey City, N. J.
Filed September 23, 1939. Serial No. 423,887. PUBLISHED OCTOBER 31, 1939. Class 6.

374,961. MEDICINAL SOLUTIONS USED AS ADJUVANTS TO METABOLISM IN CASES OF MAGNESIUM DEFICIENCY IN ANIMALS AND HUMANS. BOLIS MEDICINE CO., San Diego, Calif.
Filed September 26, 1939. Serial No. 423,939. PUBLISHED OCTOBER 31, 1939. Class 6.

374,962. PERFUME. IRRESISTIBLE, INC., Jersey City, N. J.
Filed September 26, 1939. Serial No. 423,953. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,963. NONALCOHOLIC CARBONATED MALTLESS BEVERAGES AND FOR MALTLESS SYRUPS USED IN PREPARING THE SAME. GROVER C. THOMSEN, doing business as The Glassite Company, Waco, Tex.
Filed September 26, 1939. Serial No. 423,959. PUBLISHED NOVEMBER 21, 1939. Class 45.

374,964. TURPENTINE. BUTLER NAVAL STORES COMPANY, INC., Butler, Ga.
Filed September 27, 1939. Serial No. 423,968. PUBLISHED NOVEMBER 21, 1939. Class 16.

374,965. PIECE GOODS MADE OF COTTON, WOOL, RAYON, AND MIXTURES OF SAME. GOLDING BROS. COMPANY, INC., New York, N. Y.
Filed September 27, 1939. Serial No. 423,977. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,966. PHARMACEUTICAL PRODUCT IN THE FORM OF GRANULES, TABLETS, AND SOLUTIONS FOR USE IN THE TREATMENT OF DISEASES OF THE STOMACH. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada.
Filed September 28, 1939. Serial No. 424,010. PUBLISHED NOVEMBER 14, 1939. Class 6.

374,967. OPHTHALMIC LENSES. E. B. MEYROWITZ, INC., New York, N. Y.
Filed September 28, 1939. Serial No. 424,013. PUBLISHED NOVEMBER 21, 1939. Class 26.

374,968. INSTRUMENT TO DETERMINE THE CARBON CONTENT OF A STEEL BATH. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed September 29, 1939. Serial No. 424,036. PUBLISHED NOVEMBER 21, 1939. Class 26.

374,969. SHEETS AND PILLOW CASES. NASHUA MANUFACTURING COMPANY, Boston, Mass.
Filed September 29, 1939. Serial No. 424,051. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,970. CORDUROY GOODS IN THE PIECE. A. D. JUILLIARD & CO., INC., New York, N. Y.
Filed September 30, 1939. Serial No. 424,092. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,971. TRANSFORMERS. PHELPS DODGE COPPER PRODUCTS CORPORATION, New York, N. Y.
Filed September 30, 1939. Serial No. 424,100. PUBLISHED NOVEMBER 21, 1939. Class 21.

374,972. FABRICS MADE OF COTTON, RAYON, AND OTHER MIXED FIBERS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed September 30, 1939. Serial No. 424,107. PUBLISHED NOVEMBER 21, 1939. Class 42.

374,973. HAND CLEANSER. FULTON PROCESS AND CHEMICAL CORPORATION, Gloversville, N. Y.
Filed October 3, 1939. Serial No. 424,166. PUBLISHED NOVEMBER 21, 1939. Class 4.

374,974. DEVICES FOR HOLDING DENTAL FILMS. BARD-PARKER COMPANY, INC., Danbury, Conn.
Filed October 9, 1939. Serial No. 424,338. PUBLISHED NOVEMBER 21, 1939. Class 44.

374,975. BEER. TIVOLI BREWING COMPANY, Detroit, Mich.
Filed October 11, 1939. Serial No. 424,447. PUBLISHED NOVEMBER 21, 1939. Class 48.

374,976. APPLE CIDER AND CARBONATED CIDER BEVERAGE. SCOTCH PRODUCTS INCORPORATED, New York, N. Y.
Filed October 12, 1939. Serial No. 424,499. PUBLISHED NOVEMBER 21, 1939. Class 45.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

374,977. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SANTIAGO ALVAREZ, doing business as Alvarez Manufacturing Company, Laredo, Tex. Filed June 4, 1938. Serial No. 407,082.

ALVAREZ SUDDEN CLEANER ASC

For General Cleaner.
Claims use since May 1, 1935.

374,978. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Dec. 13, 1938. Serial No. 413,784.

HEDDON

For Steel Shafts for Golf Clubs.
Claims use since Dec. 8, 1938.

374,979. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE HOUSE OF MCATEER, INC., New York, N. Y. Filed Dec. 24, 1938. Serial No. 414,190.



CAPE OF
Good Hope

For Brandy.
Claims use since Oct. 15, 1938.

374,980. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) DESTILERIA TROPICAL, Camuy and Arecibo, P. R. Filed Mar. 20, 1939. Serial No. 417,268.

RON VALENTINO

For Rum.
Claims use since Aug. 26, 1938.

374,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPERIOR BISCUIT CO. OF CALIF., doing business as Superior Biscuit Co., Los Angeles, Calif. Filed Nov. 18, 1938. Serial No. 412,929.

STA-CRISP

For Crackers—Namely, Soda Crackers and Graham Crackers.
Claims use since Nov. 4, 1938.

374,982. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH F. BRAY, Detroit, Mich. Filed Sept. 2, 1939. Serial No. 423,255.

HIGH-LUSTER
MAKE-UP
POLISH

For Polish for Polishing Automobiles and Other Painted Surfaces of Metal Bodies.
Claims use since June 15, 1938.

374,983. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KEEL & COMPANY, INC., Philadelphia, Pa. Filed Sept. 13, 1939. Serial No. 423,564.

Keel-RUB-R DRESS PRODUCTS

For Preparation for Cleaning and Preserving Rubber Articles and Renewing the Surface Thereof.
Claims use since Jan. 9, 1938.

374,984. (CLASS 32. FURNITURE AND UPHOLSTERY.) BOYLE LEATHER GOODS CO. INC., New York, N. Y. Filed Sept. 27, 1939. Serial No. 423,966.

LUGGAGE BAR

For Store Fixtures and Racks for the Display of Merchandise.
Claims use since Sept. 30, 1938.

374,985. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARBISON-FISCHER MANUFACTURING COMPANY, Fort Worth, Tex. Filed Oct. 21, 1939. Serial No. 424,771.

TUFF-TEMPER

For Oil Well Producing Equipment—Namely, Pumps, Valves, Seats, Plungers, Drops, and Like Articles for Pumping and Flowing Wells.
Claims use since Sept. 1, 1933.

374,986. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PHOENIX OIL COMPANY, Cleveland, Ohio. Filed Oct. 31, 1939. Serial No. 425,098.

MURPHY'S SUDDEN SUDS

For Soap Flakes.
Claims use since Sept. 20, 1938.

374,987. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ARROW DISTILLERIES, INC., Detroit, Mich. Filed Nov. 1, 1939. Serial No. 425,108.

JULIUS MARCUS

For Prepared Cocktails, Brandies, Gins, Cordials, and Liqueurs.
Claims use since Dec. 23, 1933.

374,988. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DUART MANUFACTURING CO., LTD., FORMERLY PACIFIC HAIR GOODS COMPANY, LTD., doing business as Duart Manufacturing Company, Ltd., San Francisco, Calif. Filed Nov. 4, 1939. Serial No. 425,235.

AUTO THERMIC

For Chemical Heating Pads for Permanent Hair Waving.
Claims use since May 17, 1938.

374,989. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., doing business as Gilman Paint and Varnish Co., Wilmington, Del., and Mobile, Ala. Filed Nov. 7, 1939. Serial No. 425,353.

EVERY PURPOSE ENAMEL

For Paint Enamel and Ready-Mixed Paint.
Claims use since Feb. 23, 1937.

TRADE-MARK REGISTRATIONS RENEWED

17,391. **KITCHEN CRYSTAL.** SOAP. Registered January 14, 1890. BENJAMIN BROOKE & COMPANY, Philadelphia, Pa. Re-renewed January 14, 1940, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee by mesne assignments.

17,540. **BROOKE'S CRYSTAL.** SCOURING SOAP. Registered February 18, 1890. BENJAMIN BROOKE & COMPANY, Philadelphia, Pa. Re-renewed February 18, 1940, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee by mesne assignments.

125,169. **REVELATION.** CANNED TOMATOES, CANNED PEACHES, AND CANNED APRICOTS. Registered April 15, 1919. SAN FERNANDO CANNING Co. Renewed April 15, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,170. **RIDGE ROUTE.** CANNED APRICOTS AND CANNED PEACHES. Registered April 15, 1919. SAN FERNANDO CANNING Co. Renewed April 15, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,171. **NEWS BOY.** CANNED APRICOTS AND CANNED PEACHES. Registered April 15, 1919. SAN FERNANDO CANNING Co. Renewed April 15, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,172. **INVITATION.** CANNED PEACHES, CANNED APRICOTS AND CANNED TOMATOES. Registered April 15, 1919. SAN FERNANDO CANNING Co. Renewed April 15, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,173. **ROSINA.** CANNED TOMATO PASTE. Registered April 15, 1919. SAN FERNANDO CANNING Co. Renewed April 15, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,174. **CALSUN.** CANNED TOMATOES WITH PURÉE FROM TRIMMINGS, CANNED PEACHES, AND CANNED APRICOTS. Registered April 15, 1919. SAN FERNANDO CANNING Co. Renewed April 15, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,583. **HUCK FINN.** CANNED PEACHES AND CANNED APRICOTS. Registered May 27, 1919. SAN FERNANDO CANNING Co. Renewed May 27, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

125,584. **TUNNEL.** CANNED APRICOTS AND CANNED PEACHES. Registered May 27, 1919. SAN FERNANDO CANNING Co. Renewed May 27, 1939, to Fernando Canning Co., Inc., San Fernando, Calif., a corporation of California, successor.

127,927. **STONESFIELD.** ROOFING-SLATE. Registered December 16, 1919. THE JOHN D. EMACK Co. Renewed December 16, 1939, to James H. Emack, doing business as The Emack Slate Co., Philadelphia, Pa., assignee.

128,131. **ADJ & CO.** WOOLEN PIECE GOODS. Registered December 23, 1919. ATLANTIC MILLS, Providence, R. I. Renewed December 23, 1939, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee.

128,302. **HOLLANDIA.** COCOA AND CHOCOLATE. Registered January 6, 1920. STEPHEN L. BARTLETT COMPANY. Renewed January 6, 1940, to Bensdorp Importers, Inc., Boston, Mass., a corporation of Massachusetts, by change of name.

128,416. **CELLU-NAPS.** SANITARY NAPKINS OF TENUOUS AND FIBROUS AND ABSORBENT MATERIAL FOR COMMERCIAL AND HOSPITAL USE. Registered January 6, 1920. KIMBERLY-CLARK COMPANY, Neenah, Wis. Renewed January 6, 1940, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

128,429. **TWINK.** SOAP-DYES. Registered January 6, 1920. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Renewed January 6, 1940.

128,474. **NORTON.** CERTAIN NAMED ABRASIVE PRODUCTS. Registered January 6, 1920. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed January 6, 1940.

128,518. **KEEN KUTTER.** LEAD-PENCILS AND WRAPPING-PAPER. Registered January 6, 1920. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 6, 1940.

128,799. **MIXOLENE.** OINTMENTS FOR THE RELIEF OF BURNS, WARTS, BOILS, AND WOUNDS. Registered January 13, 1920. MRS. MARY NAPOLEON, Albuquerque, N. Mex. Renewed January 13, 1940.

128,821. **BURT'S.** HOMINY FEED. Registered January 13, 1920. POSTUM CEREAL COMPANY, Battle Creek, Mich. Renewed January 13, 1940, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

128,945. **MAGNETIC.** GAMES OF JACK-STRAWS. Registered January 20, 1920. MILTON BRADLEY COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed January 20, 1940.

129,076. **KEEN KUTTER.** CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered January 20, 1920. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 20, 1940.

129,216. **SRO.** BALL-BEARINGS AND PARTS THEREOF, ROLLER-BEARINGS AND PARTS THEREOF. Registered January 27, 1920. JAKOB SCHMID-ROOST, Oerlikon, Switzerland. Renewed January 27, 1940, to Kugellagerwerke J. Schmid-Roost A. G., Zurich-Oerlikon, Switzerland, a corporation of Switzerland, successor.

129,220. **LACLEDE.** BICYCLES. Registered January 27, 1920. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed January 27, 1940.

129,294. **BLUE RIBBON.** HAMS, BACON, AND LARD. Registered February 10, 1920. THE THOMAS J. KURDLE COMPANY. Renewed February 10, 1940, to The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md., a corporation of Maryland, assignee.

129,850. **RIKER.** CERTAIN NAMED JEWELRY. Registered March 9, 1920. THE RIKER COMPANY, Newark, N. J. Renewed March 9, 1940, to The Riker Company, East Orange, N. J., a corporation of New Jersey.

129,958 **EAGLE.** CERTAIN NAMED STATIONERY. Registered March 9, 1920. EAGLE PENCIL COMPANY. Renewed March 9, 1940, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware, assignee.

130,087. **SPUR.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered April 6, 1920. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 6, 1940.

130,196. **GARIBALDI.** A VEGETABLE FOOD COMPOUND, AND VEGETABLES, PICKLES, AND FISH. Registered April 13, 1920. PHILIP KLECKNER. Renewed April 13, 1940, to Philip Kleckner, New York, N. Y., assignee by mesne assignments.

130,795. **CURADS.** SANITARY NAPKINS. Registered May 4, 1920. LEWIS MANUFACTURING COMPANY. Renewed May 4, 1940, to The Kendall Company, Walpole, Mass., a corporation of Massachusetts, assignee by mesne assignments.

131,609. **SIZOL.** SIZING AND FINISHING COMPOUNDS FOR TEXTILE FABRICS AND THREADS. Registered May 18, 1920. SEYDEL MANUFACTURING COMPANY. Renewed May 18, 1940, to Seydel Chemical Company, Jersey City, N. J., a corporation of New Jersey, successor.

131,830. **SEYDEL.** CERTAIN NAMED CHEMICALS. Registered May 25, 1920. THE SEYDEL MANUFACTURING COMPANY. Renewed May 25, 1940, to Seydel Chemical Company, Jersey City, N. J., a corporation of New Jersey, successor.

131,861. **PYRO.** ETHYL ALCOHOL FOR USE AS THINNER OR SOLVENT FOR PAINTS, VARNISHES, AND THE LIKE. Registered May 25, 1920. U. S. INDUSTRIAL ALCOHOL Co. Renewed May 25, 1940, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

131,868. **EVERY-DAY.** CANNED FISH—NAMELY, CANNED SARDINES. Registered May 25, 1920. CHARLES EDWARD VAN LANDINGHAM, Los Angeles, Calif. Renewed May 25, 1940, to French Sardine Company, Incorporated, Terminal Island, Calif., a corporation of California, assignee by mesne assignments.

132,058. **TEPECO.** CERTAIN NAMED PLUMBERS' SUPPLIES OF EARTHENWARE. Registered June 8, 1920. THE TRENTON POTTERIES COMPANY, Trenton, N. J., a corporation of New Jersey. Renewed June 8, 1940.

132,063. **PYRO.** ETHYL ALCOHOL FOR USE AS CLEANSER OR DETERGENT OR SIMILAR SOLVENT. Registered June 8, 1920. U. S. INDUSTRIAL ALCOHOL Co. Renewed June 8, 1940, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

132,068. **WARRENITE-BITULITHIC.** PAVEMENTS AND PAVING MATERIAL CONTAINING BITUMINOUS MATTER. Registered June 8, 1920. WARREN BROTHERS COMPANY, Boston, Mass. Renewed June 8, 1940, to Warren Brothers Company, Cambridge, Mass., a corporation of West Virginia.

132,072. **BLIZZARD.** WOOLEN OVERCOATING GOODS IN THE PIECE. Registered June 8, 1920. WORUMBO MANUFACTURING COMPANY, Lisbon Falls, Maine, a corporation of Maine. Renewed June 8, 1940.

132,189. **MULTI-CUT.** LATHES. Registered June 15, 1920. THE R. K. LEBLOND MACHINE TOOL COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 15, 1940.

132,217. **JEAN CASTLE.** WOMEN'S MISSES' AND CHILDREN'S BLOUSES AND SUITS. Registered June 15, 1920. NICKELS MANUFACTURING COMPANY, Bristol, Va. Renewed June 15, 1940, to Nickels Manufacturing Company, Bristol, Tenn., a corporation of Virginia.

132,236. **ROXBURY.** CARPETS. Registered June 15, 1920. ROXBURY CARPET COMPANY, Boston, Mass. Renewed June 15, 1940, to Roxbury Carpet Company, Saxonville, Mass., a corporation of Massachusetts.

132,261. **T.** BOOTS AND SHOES MADE OF LEATHER, RUBBER, AND CANVAS. Registered June 15, 1920. THOMPSON SHOE COMPANY, St. Paul, Minn. Renewed June 15, 1940, to Thompson Shoe Company, Humboldt, Tenn., a corporation of Minnesota.

LABELS

REGISTERED JANUARY 30, 1940

54,220.—*Title:* CRAMER "AIR-FLOW" CHAIRS. For Chairs. CRAMER SAFE & OFFICE EQUIPMENT COMPANY, Kansas City, Mo. Published November 24, 1939.

54,221.—*Title:* ANESTEX INJECTUBES CONTAINING PROCAINE-EPINEPHRINE AND EUCUPIN. For a Local Anesthetic Solution Containing Procaine-Epinephrine and Eucupin. DAVID CURTIS, doing business as The De-Ce Products Co. of N. Y. (Anestex Laboratories), New York, N. Y. Published December 9, 1939.

54,222.—*Title:* DUFF'S DEVIL'S FOOD MIX. For a Devil's Food Mix. P. DUFF & SONS, INC., Pittsburgh, Pa. Published December 1, 1939.

54,223.—*Title:* DUFF'S GINGER BREAD MIX. For a Ginger Bread Mix. P. DUFF & SONS, INC., Pittsburgh, Pa. Published December 1, 1939.

54,224.—*Title:* DUFF'S SPICE CAKE MIX. For a Spice Cake Mix. P. DUFF & SONS, INC., Pittsburgh, Pa. Published December 1, 1939.

54,225.—*Title:* ENO. For a Saline Laxative. J. C. ENO (U. S.) LIMITED, New York, N. Y. Published December 6, 1939.

54,226.—*Title:* EL PADRE. For Olive Oil. A. GIURLANI & BRO., San Francisco, Calif. Published July 19, 1939.

54,227.—*Title:* KIMBALL'S RAYS OF HEALTH. For Stomach Tablets. H. B. KIMBALL, Milwaukee, Wis. Published May 17, 1939.

54,228.—*Title:* BREAKFAST CUP. For a Coffee Substitute. LOMA LINDA FOOD COMPANY, Arlington, Calif. Published November 15, 1939.

54,229.—*Title:* SKIMKO. For Evaporated Skim Milk. MORNING MILK COMPANY, Salt Lake City, Utah. Published August 29, 1939.

54,230.—*Title:* STERILSKIM. For Sterilized Skim Milk. MORNING MILK COMPANY, Salt Lake City, Utah. Published October 22, 1939.

54,231.—*Title:* SNOW CAP. For Lard. JOHN MORRELL & Co., Ottumwa, Iowa. Published October 7, 1939.

54,232.—*Title:* SWEET GEORGIA BROWN SKIN SECRET CREAM. For a Skin Cream. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 26, 1939.

54,233.—*Title:* SUNSHINE VITAMIN FED TURKEYS. For Turkeys. RAY NOONAN, Bernard, Iowa. Published December 16, 1939.

54,234.—*Title:* SELMER SLIDE OIL. For Slide Oil with Applicators. H. & A. SELMER INC., Elkhart, Ind. Published August 1, 1939.

54,235.—*Title:* "LADY OF TODAY" DRESS. For Ladies' Dresses. SIEGEL-LYTTLE INC., New York, N. Y. Published December 4, 1939.

54,236.—*Title:* VITA-TONE A. For a Hair and Scalp Cleanser and Conditioner. SIBREAU COMPANY, St. Paul, Minn. Published November 1, 1939.

54,237.—*Title:* FLEISCHMANN'S. For Dry Yeast. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 22, 1939.

54,238.—*Title:* YAM-BO-REE. For Sweet Potatoes. W. STEWART, doing business as Pittsburg Storage Co., Pittsburg, Tex. Published December 16, 1939.

54,239.—*Title:* K. TAYLOR. For Kentucky Straight Bourbon Whisky. THE K. TAYLOR DISTILLING CO., INCORPORATED, Frankfort, Ky. Published December 13, 1939.

54,240.—*Title:* 99. For Kentucky Straight Bourbon Whisky. THE K. TAYLOR DISTILLING CO., INCORPORATED, Frankfort, Ky. Published December 15, 1939.

54,241.—*Title:* NYREL. For a Deodorant Cream. ULMER PHARMACAL COMPANY, Minneapolis, Minn. Published November 10, 1939.

54,242.—*Title:* WARD'S CAKE—GOLDEN NUGGET. For Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

PRINTS

REGISTERED JANUARY 30, 1940

17,810.—*Title:* NEVERSTALL WINDSHIELD WIPER. For Electric Windshield Wipers. AMERICAN BOSCH CORPORATION, Springfield, Mass. Published November 1, 1939.

17,811.—*Title:* IT'S A CALIFORNIA CHRISTMAS AT DESMOND'S. For Wearing Apparel, Leather Goods, Jewelry, Toiletries, Toy Sound Control Studios, Toy Television Kits, Toys, and Games. DESMOND'S, Los Angeles, Calif. Published November 15, 1939.

17,812.—*Title:* CLEAR THE WAY DIRT GOES AND BUGS ARE NO LONGER SNUG IN RUGS A CLEARER FILM FOR A BRIGHTER FLOOR. For a Bowl Cleaner, a Rug Shampoo and a Floor Wax. HENRY HURTT, Baltimore, Md. Published December 15, 1939.

17,813.—*Title:* MIRACLE CAN OPENER. For Can Openers. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Published March 10, 1939.

17,814.—*Title:* ICE PICK. For Ice Picks. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Published March 10, 1939.

17,815.—*Title:* FRUIT BALLER. For Fruit Ballers. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Published March 10, 1939.

17,816.—*Title:* PLATE SCRAPER. For Plate Scrapers. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Published March 10, 1939.

17,817.—*Title:* FINGER REST PARING KNIFE. For Finger Rest Paring Knives. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Published March 10, 1939.

17,818.—*Title:* LIKEABLE. For Beer. TYLER KAY COMPANY, INC., Buffalo, N. Y. Published December 6, 1939.

17,819.—*Title:* FINE-TONE CHAMPION PHONOGRAPH NEEDLES. For Phonograph Needles. CHARLES LEVIN, doing business as Champion Products Co., New York, N. Y. Published August 30, 1939.

17,820.—*Title:* BIG BEN TOBACCO POUCHES. For Tobacco Pouches. ISADORE LEVIN, doing business as Champion Products Co., New York, N. Y. Published November 15, 1939.

17,821.—*Title:* GORGEOUS GIFTS GUARANTEED FOR LIFE BY PARKER. For Fountain Pens, Mechanical Pencils, and Clock Writing Sets. THE PARKER PEN COMPANY, Janesville, Wis. Published December 4, 1939.

17,822.—*Title:* PRINCE ALBERT A-1. For Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 15, 1939.

17,823.—*Title:* MEGOTRON. For Insulation Resistance Measuring Meters. ALVERO E. SMITH, San Francisco, Calif. Published November 15, 1939.

17,824.—*Title:* A NEW IDEA IN BOOK MATCHES. For Book Matches. FRANK E. UELTSCHI, Saginaw, Mich. Published December 6, 1939.

REISSUES

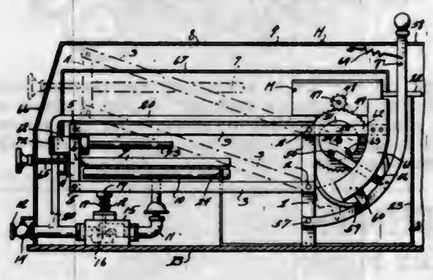
JANUARY 30, 1940

21,336
TOASTING MACHINE

William A. Graham, Houston, Tex., assignor of thirty-nine per cent to F. S. Henshaw and ten per cent to Bennett Patterson, both of Houston, Tex.

Original No. 2,105,858, dated January 18, 1938, Serial No. 116,830, December 19, 1936. Application for reissue May 16, 1939, Serial No. 273,961

19 Claims. (Cl. 53—5)



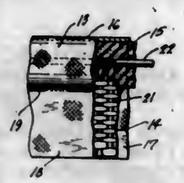
1. A toasting apparatus comprising, in combination, a gas burner, a fuel line for said burner leading from a source of fuel under pressure, a normally closed valve interposed in said line, a carriage for the article to be heated, means for supporting the carriage for movement toward or from the burner, said valve and supporting means for the carriage having coacting parts to open the valve for fuel flow to the burner when the carriage is substantially at the limit of its movement in one direction, releasable means for holding the carriage at such limit of its movement, and means under control of the fuel flowing through the fuel line for releasing said means to allow the carriage to move in the opposite direction to a second position.

21,337
DOOR WEATHER STRIP

James I. Hamm, Fairfield, Conn., assignor, by mesne assignments, to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut

Original No. 2,043,700, dated June 9, 1936, Serial No. 51,611, November 26, 1935. Application for reissue August 25, 1939, Serial No. 291,951

14 Claims. (Cl. 20—69)



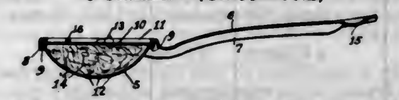
1. A weather strip of the character described comprising a woven attaching strip including a yieldable resilient wire extending transversely of said strip, a soft resilient core secured along one edge of said strip, and a woven finishing fabric enclosing said core and secured to said strip.

21,338
TEA PACKAGE

Samuel Haut, Brooklyn, N. Y.

Original No. 2,092,510, dated September 7, 1937, Serial No. 112,663, November 25, 1936. Application for reissue September 20, 1938, Serial No. 231,451

6 Claims. (Cl. 99—77.1)



1. A tea package comprising a teaspoon shaped vessel of paper having a handle and a perforate bowl of a size to contain a single charge of tea, cover of paper for closing said bowl, said bowl and said cover comprising two elements, one of which has a peripheral groove facing inwardly to receive the periphery of the other element and having its material flanged over to reinforce its grip upon the other element and a charge of tea within said bowl.

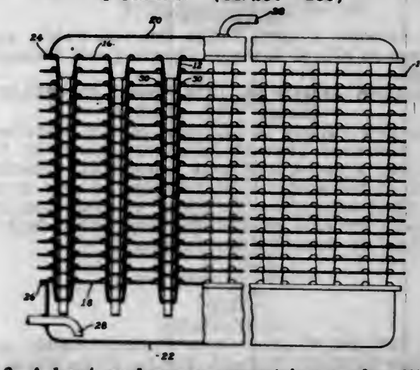
4. A tea package comprising a perforate paper bowl and a paper cover for closing said bowl, said bowl and said cover comprising two elements, one of which has a peripheral groove facing inwardly to receive the periphery of the other element, said grooved element having its material flanged over to reinforce its grip upon the other element, a handle attached to said flanged element and continuous therewith and a charge of tea within said bowl, the whole forming a teaspoon shaped package.

21,339
HEAT EXCHANGE APPARATUS

John Karmazin, Grosse Ile, Mich., assignor, by mesne assignments, of one-half to Rose M. Karmazin, Grosse Ile, Mich.

Original No. 2,045,657, dated June 30, 1936, Serial No. 16,207, April 13, 1935. Application for reissue December 7, 1937, Serial No. 178,627

6 Claims. (Cl. 257—139)

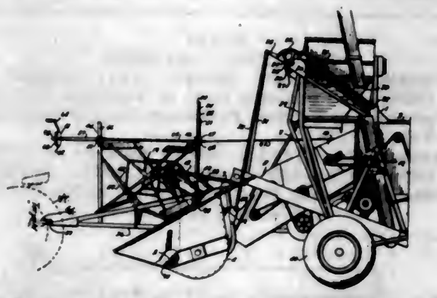


6. A heat exchanger comprising a plurality of nested fin elements having elongated tapered tube-forming portions with long sides and curved ends, tube-forming portions of one fin being nested and bonded in tube-forming portions of another fin, and stiffening ridges adjacent and merged with the long sides of said tube-forming portions, said stiffening ridges projecting on the

opposite side of the fin from said tube-forming portions, and preventing distortions of said tube-forming portions while being bonded together whereby leaks adjacent said long sides of said tube-forming portions are prevented.

21,340
GRAIN PAN RAISING AND LOWERING MECHANISM
Torvald N. Pierson, Kansas City, Mo., assignor to Gleaner Harvester Corporation, Independence, Mo., a corporation of Delaware
Original No. 2,170,573, dated August 22, 1939, Serial No. 169,623, October 18, 1937. Application for reissue December 11, 1939, Serial No. 308,734
4 Claims. (Cl. 56—208)

1. In a harvester of the character described, a main frame, a harvesting unit adjustably movable on the main frame, draft means adapted for connecting the main frame with a draft vehicle, spaced standards supported on the draft means, a clamp fixed to the foremost standard, a supporting tube having one end engaged in the clamp and its other end extending forwardly for termination adjacent an operator's position on said draft vehicle, a crank engaging member on the forward end of the supporting tube, a bearing bracket on the other standard, a shaft rotatably mounted in said tube and bearing bracket, a



crank on the shaft selectively engageable with said crank engaging member, a pinion fixed on the shaft, a rack bar meshing with the pinion, and means connecting the rack bar with the harvesting unit.

PLANT PATENTS

GRANTED JANUARY 30, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

356
GLADIOLUS
Carl Salbach, Contra Costa County, Calif., assignor to Ella S. Salbach, Contra Costa County, Calif.
Application March 20, 1939, Serial No. 262,984
1 Claim. (Cl. 47—60)

The new variety of gladiolus plant herein described and illustrated, characterized by its consistency of good growth and form of spike, and its flowers of great size, heavy substance, and striking blotched coloring as described.

357
GLADIOLUS
Carl Salbach, Contra Costa County, Calif., assignor to Ella S. Salbach, Contra Costa County, Calif.
Application March 22, 1939, Serial No. 263,528
1 Claim. (Cl. 47—60)

The new variety of gladiolus herein described and illustrated, characterized particularly by its vigorous, symmetrical and consistent growth; length of flower-head; and flowers of very large size, good substance, excellent keeping quality, and soft coloring of Safrano Pink with darker blotches, as described and shown.

358
GLADIOLUS
Carl Salbach, Contra Costa County, Calif., assignor to Ella S. Salbach, Contra Costa County, Calif.
Application March 23, 1939, Serial No. 263,749
1 Claim. (Cl. 47—60)

The new variety of gladiolus herein described and illustrated, characterized particularly by its consistency and vigor of growth, the general symmetry and regular placement of its flowers, its unusually long flower-head, and its exceptionally large flowers having excellent keeping qualities and the novel and beautiful combination of colors as described and shown.

359
GLADIOLUS
Carl Salbach, Contra Costa County, Calif., assignor to Ella S. Salbach, Contra Costa County, Calif.
Application March 24, 1939, Serial No. 264,001
1 Claim. (Cl. 47—60)

The new variety of gladiolus plant herein described and illustrated, characterized particularly by its vigorous growth; its general symmetry; and its flowers of great size; round form; heavy substance; and soft, rich Geranium Pink coloring.

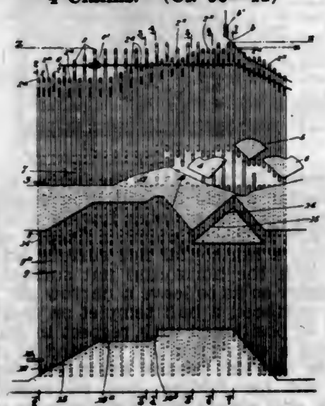
360
GLADIOLUS
Carl Salbach, Contra Costa County, Calif., assignor to Ella S. Salbach, Contra Costa County, Calif.
Application March 29, 1939, Serial No. 264,807
1 Claim. (Cl. 47—60)

The new variety of gladiolus plant herein described and illustrated, characterized particularly by its vigor of growth; its general symmetry; and its consistency in producing well placed flowers of very large size and soft rich Light Coral Red and Carmine coloring as described.

PATENTS

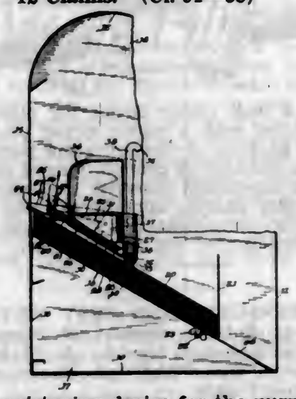
GRANTED JANUARY 30, 1940

2,188,295
PROCESS OF KNITTING
James Louis Getaz, Maryville, Tenn.
Original application April 20, 1937, Serial No. 137,903. Divided and this application April 26, 1938, Serial No. 204,301
4 Claims. (Cl. 66—41)



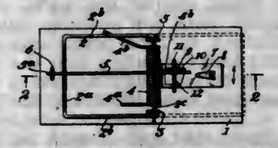
1. A method of forming plain knit ornamented elastic fabric, which consists in knitting the fabric by plain knitting with a body thread, incorporating an elastic thread of contrasting color under tension in certain successive courses of the fabric, locked into the fabric at spaced wales in said courses, and forming certain wales by drawing loops of the elastic thread through loops of elastic thread in corresponding wales of the preceding course and floating the body thread in rear thereof in each course.

2,188,296
MOISTENING DEVICE
Roy C. Goettsche, Chicago, Ill., assignor to Colorplate Corporation, Chicago, Ill., a corporation of Illinois
Application December 10, 1938, Serial No. 244,981
12 Claims. (Cl. 91—38)



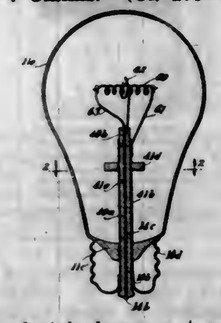
1. In a moistening device for the purposes described, in combination, a tank adapted to contain a liquid, a passage extending within the tank, a wick formed of fibrous material extending within said passage for the full depth thereof and having its forward end projecting beyond the tank, a reservoir for supplying liquid to said tank and which maintains the liquid therein at a predetermined level, a backing plate for said wick also located within said passage, said plate having a forward end extending beyond the tank and overlying the projecting end of the wick to direct the same downwardly, and paper guides adjustably carried by said backing plate.

2,188,297
ANIMAL TRAP
Hershey Roy Graybill, Manheim, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application December 8, 1938, Serial No. 244,516
14 Claims. (Cl. 43—81)



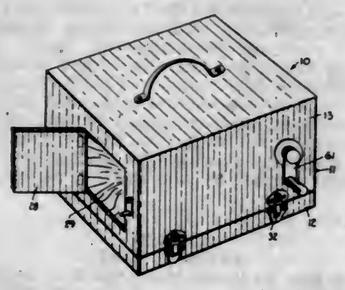
1. A trap comprising a base, a pivoted spring actuated jaw, a locking bar pivotally connected to the base, and a bait pedal formed of sheet metal having a vertical trigger support struck up from portions of the metal between its lateral edges, and supporting a trigger formed by a vertical strip of the metal partially severed from the upper end of the trigger support and crimped laterally, to form a lip for engaging the locking bar, and means for pivotally connecting said bait pedal with the base.

2,188,298
SEAL FOR EVACUATED DEVICES
William J. Hitchcock, New York, N. Y.
Application July 2, 1937, Serial No. 151,588
7 Claims. (Cl. 176—16)



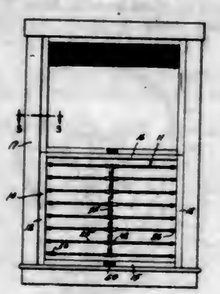
1. In an electric lamp, a translucent double walled bulb, a metallic tube extending through both walls of the said bulb and attached to at least one in a gas tight manner, a leading-in conductor of electric power to the interior of the said bulb included within the said metallic tube, and an electrical insulator included between the said tube and the said conductor and attached to them in a gas tight manner.

2,188,299
APPARATUS FOR DEVELOPING FILMS WITHOUT A DARKROOM
Raymond Huerta, Bronx, and Anthony Grendanin, New York, N. Y.
Application October 27, 1938, Serial No. 237,224
2 Claims. (Cl. 95—90.5)



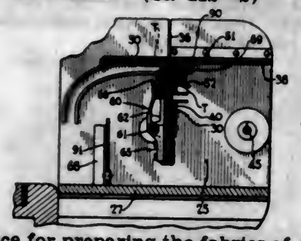
1. Apparatus of the character described comprising a case having a base, and a cover for said base hinged thereto and having side, front and rear walls, one of the walls of the cover being formed with an opening, and a flexible sleeve attached to said cover and surrounding the opening and extending into the case, means on said base to rotatably support a roll of film, a spool on said base receiving the paper from said roll, a spiral film holder adapted to receive the film from said roll, means on the base to removably support said spiral film holder, means on the cover to concurrently unwind the paper and film from said roll of film onto said paper spool and film holder, respectively, a door for closing the opening in the cover, and means for unwinding the film and paper from said roll, with the cover opened up.

2,188,300
VENTILATING SHUTTER ON VENETIAN BLINDS
Nick Mishlenick, Brooklyn, N. Y.
Application March 22, 1939, Serial No. 263,390
10 Claims. (Cl. 156—17)



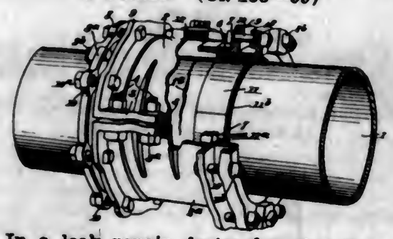
1. A window shutter comprising a supporting frame adapted to snugly fit within a window opening, a plurality of slats horizontally arranged in superposed spaced relation within said frame, linkage means concealed within the vertical sides of said frame, pivot means connecting each of said slats with said linkage means, said linkage means being adapted to raise or lower said slats, and means carried by said frame for locking said linkage in its lowered position whereby to retain said slats in their lowered position.

2,188,301
METHOD AND MEANS FOR STITCHING NECKTIES OR SIMILAR ARTICLES
Rudolf Naftali, Valentine Naftali, and Henry Naftali, Bronx, N. Y., assignors, by mesne assignments, to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 17, 1935, Serial No. 36,634
26 Claims. (Cl. 112—2)



8. A device for preparing the fabrics of a necktie or similar article for stitching comprising a pivotally supported member having a horizontal flat surface, a second member fixedly supported and having a horizontal flat surface adapted to line up with the horizontal flat surface of said first member so as to leave a narrow slit between said flat surfaces, a half templet on each of said surfaces so positioned with respect to each other as to form a whole templet adapted to receive a tie fabric therein, means associated with said narrow slit for folding said tie fabric longitudinally, and means for automatically restoring said folding means to ineffective position after said folding operation.

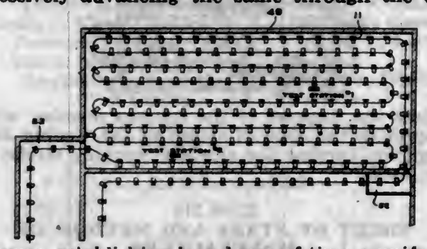
2,188,302
MEANS FOR STOPPING LEAKS IN PIPE LINES
George H. Pfefferle, Bradford, Pa., assignor, by mesne assignments, to Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Application September 27, 1938, Serial No. 231,875
9 Claims. (Cl. 138—99)



1. In a leak repair device for pipe lines, the combination with a repair sleeve provided with annular gaskets, of compensating packings comprising a plurality of convolutions of rubber sheet material interposed between the inner faces of the annular gaskets and the exterior surface of the pipe to compensate for variations in the exterior diameters of the pipe sections.

2,188,303
REFRIGERATION TEST METHOD
Charles E. Roberts, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1937, Serial No. 176,895
6 Claims. (Cl. 73—51)

1. The method of testing large numbers of individual refrigerating systems on a quantity or production basis, each of which refrigerating systems embodies an evaporator or heat absorbing element and a condenser or heat dissipating element, which method comprises maintaining an enclosure at a substantially constant temperature and humidity condition such as to impose upon the systems to be tested a predetermined heat load, introducing the systems into and progressively advancing the same through the en-



closure, establishing by a lapse of time a uniform test condition for said systems by operating them with their respective evaporators and condensers directly exposed to the condition in the enclosure while they are advancing through the latter and ascertaining the accuracy of the quantities of refrigerant fluid contained in the respective systems by observing the position of a frost line on the respective systems while they are still effected by the aforesaid heat load conditions and after said lapse of time.

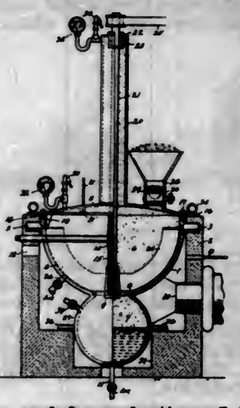
2,188,304
SANITARY TOOTHPICK DISPENSER
Nicholas Surdenik, Perrington, Mich.
Application May 26, 1939, Serial No. 275,858
4 Claims. (Cl. 312—84)



1. A dispensing device comprising a housing, a hopper, a roller revolvably mounted in said housing and forming the bottom of said hopper, a longitudinally disposed groove in said roller and adapted to accommodate the article to be dispensed, gear teeth on the roller, a spring retracted toothed quadrant, pivotally mounted in the housing and including inclined outwardly projecting ways, and a manually actuated cam lever pivotally mounted in said housing with its inner end frictionally engaging said quadrant member for actuating said roller when the cam lever is depressed.

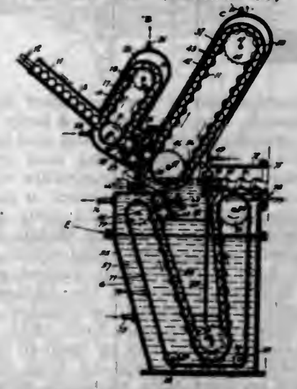
2,188,305
ORE REDUCING AND DIGESTING PROCESS
Richard K. Moreland, San Francisco, Calif.
Application November 17, 1936, Serial No. 111,261
Renewed May 22, 1939
6 Claims. (Cl. 75—97)

1. The method of reducing or digesting material of the character described, which comprises heating the material in a closed vessel under pressure, in the presence of pre-generated acid fumes, while exposing a limited portion of gases produced in the process to a cooling medium for



condensation and for reduction of the pressure in the vessel, and returning the condensed vapors directly to the portion of the vessel in which the reaction is taking place.

2,188,306
METHOD OF AND APPARATUS FOR FILLING CANS
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 10, 1937, Serial No. 130,198
17 Claims. (Cl. 226—68)

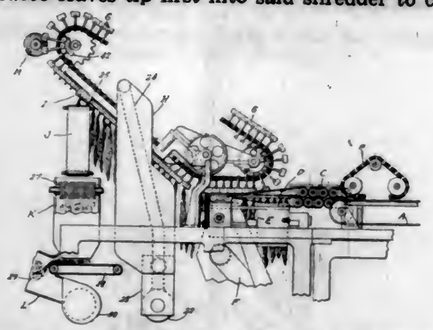


1. In a machine for filling beer and other products into cans, the combination of an air free filling chamber for receiving empty cans to be filled, a liquid trap located in communication with said chamber for maintaining the latter in sealed condition, and a valve in said liquid trap for confining the liquid and for introducing the empty cans into said trap, and means in said trap for receiving the empty cans from said valve and conveying the cans through the confined liquid and into said filling chamber.

2,188,307
PREPARING SHREDDED TOBACCO
Morehead Patterson, New York, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application August 10, 1935, Serial No. 35,636
29 Claims. (Cl. 131—123)

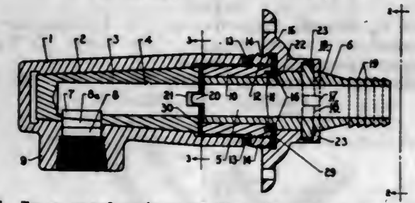
3. The process of shredding tobacco leaves

which comprises feeding tobacco leaves into the proximity of a disk shredder, in pendant position suspended from their butts and then feeding the tobacco leaves tip first into said shredder to cut



them into narrow strips of a width suitable for cigarette manufacture, and winnowing the shredded laminae from stem shreds formed during the shredding operation.

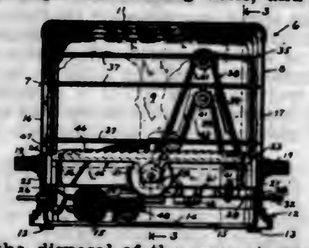
2,188,308
CONNECTING MECHANISM
Le Roy T. Pearson and Frank M. Zimmerman, Battle Creek, Mich.
Application May 9, 1938, Serial No. 206,766
6 Claims. (Cl. 284—17)



1. In a mechanism of the character described, the combination which comprises a body member having a suitable bore with an inlet and an outlet, a sleeve valve rotatably fitting said bore and having openings adapted to cooperate with said inlet and outlet of the body member, a means for engaging the outlet end of said body member, a gasket between said engaging means and said body member, a tunneled connector member adapted to pass through said means engaging said body member, means on the adjacent ends of said sleeve valve and said connector member which cooperate in manner such that rotative movement of the latter may be used to open and close said valve, and means on said connector member and on said body engaging member for coacting in moving said connector member endwise into sealing engagement with said gasket when said connector member is suitably rotated.

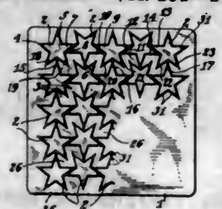
2,188,309
TOASTER
William A. Pentecost, Oakland, Calif., assignor, by mesne assignments, to Toast-O-Lator Co. Inc., New York, N. Y., a corporation of New York
Application March 8, 1934, Serial No. 714,549
5 Claims. (Cl. 219—19)

4. A toaster comprising an elongated casing providing a cooking zone, an adjustably fixed support member arranged to directly engage an edge of a mass of toastable material in the casing to normally support the mass, a feeding element for intermittent operation in a fixed zone of action and directly against the mass at said edge to engage and support the mass alternately with the support member while advancing the mass through the cooking zone, and means to



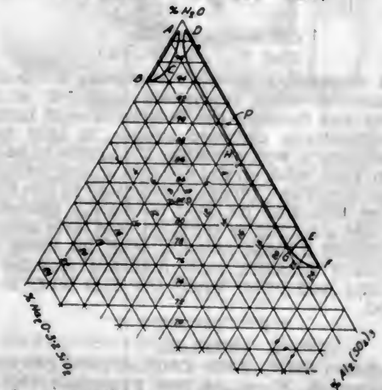
adjust the disposal of the support member with respect to the zone of action of the feeding element for varying the effective working stroke of the latter.

2,188,310
SHEET OF STARS AND METHOD OF MANUFACTURE
Charles S. Price, Hollis, N. Y.
Application August 11, 1937, Serial No. 158,513
11 Claims. (Cl. 164—17)



10. The method of manufacturing stars comprising partially severing them from a sheet of material in rows in such manner that alternate stars in a given row are angularly disposed with respect to one another, so that points of adjacent stars lie alongside each other with no scrap intervening.

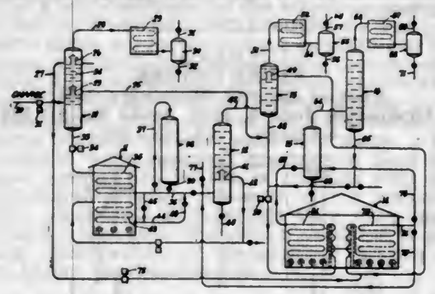
2,188,311
COMPOSITION FOR STOPPING LEAKS
Hans A. Reimers, Midland, Mich., assignor of one-third to Thomas Griswold, Jr., and one-third to James W. Rebbeck, both of Midland, Mich.
Application January 25, 1938, Serial No. 186,866
5 Claims. (Cl. 134—17.5)



1. A composition of matter comprising an aqueous solution containing a water-soluble alkali metal silicate and a water-soluble inorganic metal salt selected from the group consisting of the water-soluble inorganic salts of aluminum,

cadmium, trivalent chromium, divalent copper, trivalent iron, divalent manganese, tetravalent tin, zinc, in proportions such that the said solution is substantially free from a filterable precipitate, normally remains fluid, and is transformable into a semi-rigid gel upon subjection to electrolysis.

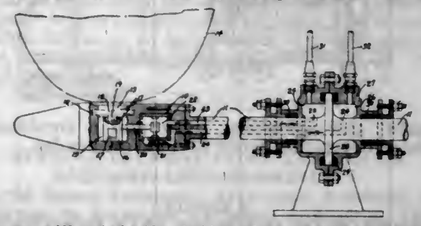
2,188,312
CONVERSION OF HYDROCARBON OILS
Louis C. Rubin, Nutley, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application April 22, 1936, Serial No. 75,663
5 Claims. (Cl. 196—49)



1. In the cracking of hydrocarbon oils, the process that comprises subjecting crude petroleum residuum to cracking in a primary viscosity-breaking zone under conditions to effect conversion into a high yield of gas oil constituents, directing the resultant viscosity-broken products into a first separating zone wherein vapors separate from residue, passing the separated vapors to a first fractionating zone wherein the vapors are subjected to fractionation to form therein a heavy gas oil fraction, a lighter gas oil fraction, a heavy naphtha fraction and a final gasoline distillate, subjecting the heavy gas oil fraction to cracking temperature in a secondary viscosity-breaking zone under conditions to effect conversion into a high yield of lighter gas oil constituents, directing the resultant viscosity-broken products into said first separating zone, subjecting said lighter gas oil fraction to cracking temperature in a separate cracking zone under conditions of high cracking per pass to effect conversion into gasoline of high anti-knock quality, directing the resultant cracked products into a second separating zone wherein vapors separate from residue, fractionating the separated vapors in a second fractionating zone to recover the desired high anti-knock gasoline product, subjecting aforesaid heavy naptha fraction to cracking temperature in a separate reforming zone under conditions adequate to effect reforming of the gasoline constituents into constituents of increased anti-knock quality and directing the hot products of the reforming into said first separating zone.

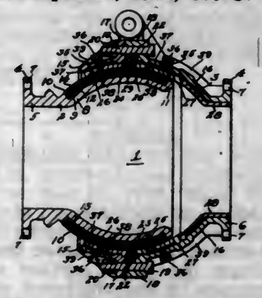
2,188,313
FLUID PRESSURE OPERATED VARIABLE PITCH PROPELLER
Robert J. Ruths, Baltimore, Md., and Harry L. Dodson, United States Navy
Application August 10, 1938, Serial No. 224,067
1 Claim. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A variable pitch propeller comprising a shaft having a collar thereon and fluid pressure inlet and outlet passageways therein, a hub fixed to said shaft and having a fluid pressure cylinder formed therein communicating with said passageways, a piston in said cylinder, a blade mounted on said hub for rotation about a radially extending axis, means operatively connecting said piston with said blade whereby reciprocation of the



former will rotate the latter about said axis, and a pair of cup-shaped members clamped together against opposite sides of said collar and forming therewith inlet and outlet chambers communicating with the passageways in said shaft and adapted to selectively supply fluid under pressure to said cylinder on opposite sides of said piston.

2,188,314
PIPE JOINT
Frederick C. Scheffauer, San Francisco, Calif.
Application April 4, 1939, Serial No. 265,913
4 Claims. (Cl. 285—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

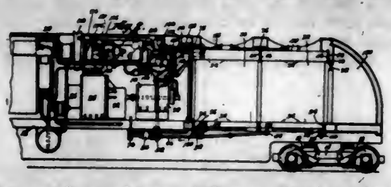


1. In a pipe joint the combination of a male and female coupling member, said male coupling member including a hollow ball portion having a jacket thereon, an annular gasket dovetailed in cross-section and liners acting as packing glands carried by said female coupling member and adapted to engage the jacket on the ball portion of said male coupling member, and annular shoulders having inclined surfaces formed on one end of certain of said liners, said annular shoulders engaging in annular recesses formed on said female coupling member and the inclined surfaces on said shoulders conforming to and contacting with the sides of said annular gasket for holding it in a fixed position on said female coupling member.

2,188,315
CONDENSING STEAM LOCOMOTIVE
Christopher A. Schellens, Marblehead, Mass., and Eugene L. Schellens, Ridgewood, N. J., assignors to C-S Engineering Company, Englewood, N. J., a corporation of Delaware
Application February 15, 1936, Serial No. 64,076
17 Claims. (Cl. 60—64)

1. The combination of a steam turbine and a condenser for the exhaust steam thereof, said condenser comprising a steam header resting at

one end upon said turbine and receiving steam therefrom, a support for the other end of said



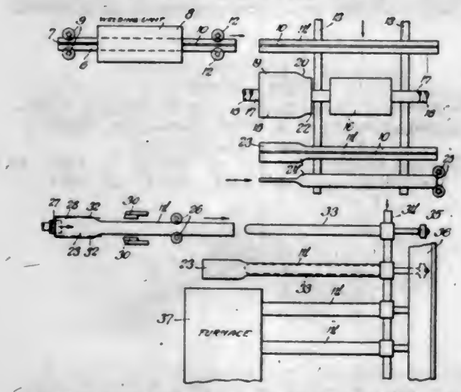
header, and condenser tubes and a condensate header depending from said steam header.

2,188,316

METHOD OF FORMING AXLE HOUSINGS

Walter E. Schirmer, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application May 28, 1937, Serial No. 145,212
12 Claims. (Cl. 29—153.1)



1. The method of forming an axle housing which comprises providing a tubular blank, rolling one end of said blank to flatten the same and thereby increase its lateral surface and simultaneously decrease its wall thickness, shearing off the edges of the flattened end, spreading the walls of said flattened end apart to form a semi-cylindrical banjo frame section disposed with its axis normal to the axis of the blank, welding the sections of two such blanks together, and upsetting the opposite ends of such blanks to produce an axle housing of the banjo type.

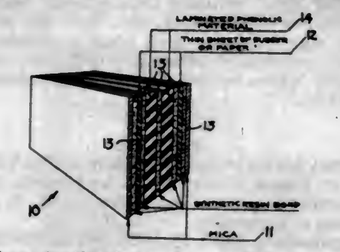
2,188,317

NONCARBONIZING ARC RESISTANT MATERIAL

Ellsworth F. Seaman, Washington, D. C.

Application January 4, 1938, Serial No. 183,283
2 Claims. (Cl. 154—2.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. As a new article of manufacture, a noncarbonizing arc resistant sheet material comprising a body composed of laminated material, said body comprising two outermost laminations of mica, an innermost synthetic resin bond, two sheets of laminated phenolic material united by said synthetic resin bond, a synthetic resin bond on the outer face of each sheet of laminated phenolic material, a thin sheet of rubber on the outer face of each of said last mentioned synthetic resin bonds, and a synthetic resin bond on the outer face of each thin sheet of rubber uniting said thin sheet of rubber and said inner



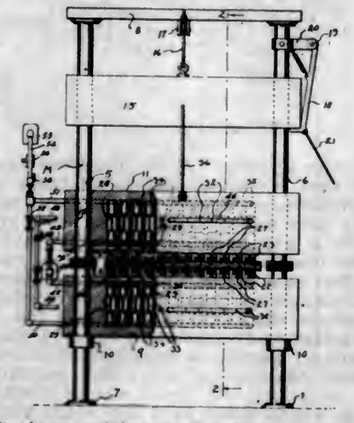
laminations to the inner faces of the mica laminations.

2,188,318

STONE CUTTER

Thomas Siderits, Milwaukee, Wis.

Application June 4, 1938, Serial No. 211,732
4 Claims. (Cl. 125—23)



1. A stone cutting and splitting device comprising, an anvil, a head movable toward said anvil, the head and anvil being adapted to receive stone therebetween of variable thickness, means for forming a groove in the stone including a plurality of independently movable chisels carried by at least one of the mentioned members, means for vibrating the chisels, means independent of said vibration means for creating steady pressure on the chisels to hold the chisels against the stone when said vibration means is not employed, and means for imparting sudden cushioned shock to the head.

2,188,319

ADSORBATE AND METHOD OF MAKING THE SAME

Gustav F. Siemers, Berkeley, Calif., assignor, by direct and mesne assignments, of one-half to McKesson & Robbins, Inc., Bridgeport, Conn., a corporation of Connecticut, and one-half to The Vitab Corporation, a corporation of California

No Drawing. Application May 28, 1937, Serial No. 145,295
6 Claims. (Cl. 99—11)

1. A vitamin composition comprising a solid adsorbent material having adsorbed thereon a material containing vitamin A and an aqueous extract of a cereal providing an available vitamin B constituent and an antioxidant for the vitamin A.

2,188,320

PROCESS FOR THE MANUFACTURE OF LEUCO SULPHURIC ACID ESTERS OF ALKYL ETHERS OF Bz-2,Bz-2'-DIHYDROXYDIBENZANTHRONE

Otto Stallmann, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 24, 1938, Serial No. 186,751
4 Claims. (Cl. 260—355)

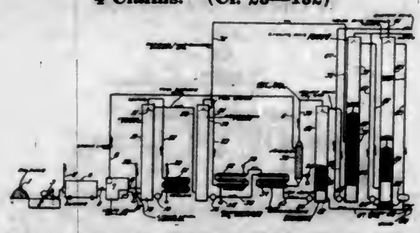
1. In the process for the manufacture of leuco sulphuric acid esters of the alkylation products of Bz-2,Bz-2'-dihydroxydibenzanthrone, the step which comprises employing as the starting material a leuco derivative of the alkylation product of Bz-2,Bz-2'-dihydroxydibenzanthrone which is stable under normal conditions, substantially insoluble in cold dilute aqueous alkalis, and convertible to the common leuco form of the parent dyestuff when heated in strong caustic alkalies or in dilute caustic alkali solutions in the presence of strong organic nitrogen bases said stable leuco derivative being relatively insoluble in inert organic solvents and soluble in pyridine with the characteristic bright red color of the common leuco compounds from which they have been derived, which color changes on oxidation to the color characteristic of the pyridine solution of the parent ketonic dyestuff.

2,188,321

PRODUCTION OF ACID FOR SULPHITE PULPING PROCESS

Walter H. Swanson, Menasha, Lloyd Lang, Kimberly, and Donald C. Porter, Appleton, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application July 22, 1937, Serial No. 154,965
4 Claims. (Cl. 23—132)



1. A process of producing sulphite acid having a high concentration of free sulphur dioxide which comprises passing cooled sulphur burner gas through a dissolving chamber counter-current to a flow of cooled water, the flow of water being so regulated that it will dissolve only that portion of sulphur dioxide to be used to produce the free sulphur dioxide component of the sulphite acid, passing all of the residual burner gas containing the undissolved sulphur dioxide directly to an acid-making tower to form the sulphite salt component of the finished acid, passing the solution containing the dissolved sulphur dioxide through a heat interchanger to raise the temperature thereof, passing the heated solution through a stripping chamber counter-current to a controlled flow of inert gas obtained from the acid-making tower, the flow of inert gas being so regulated that the gases leaving the stripping chamber contain a high percentage of free sulphur dioxide, passing the heated water from which the sulphur dioxide has been removed by the stripping process through the heat interchanger counter-current to the solution of sulphur dioxide coming from the dissolving chamber so as to partially cool the water and heat the solution, passing the partially cooled water through a cooler, passing the cooled water into the dissolving chamber for a repetition of the cycle, and passing the enriched gas from the stripping tower counter-current to the sulphite salt solution in the acid-making tower so as to form the finished sulphite acid containing a high concentration of free sulphur dioxide.

2,188,322

NITROCELLULOSE COMPOSITION OF REDUCED INFLAMMABILITY

Harold James Tattersall, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 30, 1937, Serial No. 156,603. In Great Britain August 10, 1936
10 Claims. (Cl. 134—79)

2. A gelatinized nitrocellulose composition having incorporated therein a salt of dimethyl-phosphoric acid.

2,188,323

METHOD OF PREPARING CO-CARBOXYLASE

Henry Tauber, Florence, S. C., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application June 28, 1938, Serial No. 216,387
7 Claims. (Cl. 260—251)

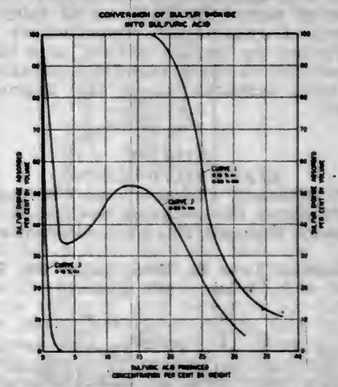
1. The process comprising reacting an alkali-metal pyrophosphate, phosphoric acid, and a vitamin B_1 salt at a temperature of between about 100 and 200° C.

2,188,324

MAKING SULPHURIC ACID

John H. Walthall, near Sheffield, Ala.

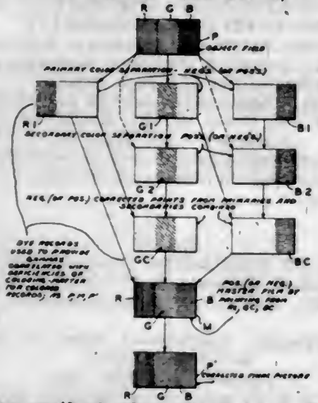
Application May 10, 1938, Serial No. 207,059
13 Claims. (Cl. 23—168)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. Process of making an aqueous solution containing sulphuric acid from sulphur dioxide, which comprises, preparing an aqueous solution containing aluminum and manganese wherein the manganese and aluminum are present in relatively small amounts and in the concentration required for the maximum rate of conversion for the concentration of sulphuric acid produced; passing a stream of gas containing sulphur dioxide and oxygen in intimate contact with and counter-current to the flow of the aqueous solu-

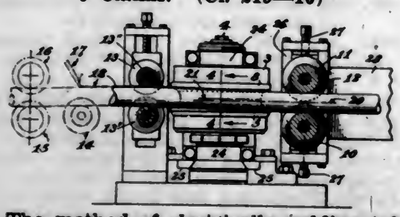
tion in a closed gas absorbing zone; and withdrawing from the enclosed gas absorbing zone an aqueous solution of sulphuric acid containing up to approximately 40% by weight of H_2SO_4.

2,188,325
COLOR PHOTOGRAPHY
Eastman A. Weaver, Winchester, Mass., assignor to Comstock & Wescott, Inc., Cambridge, Mass., a corporation of Massachusetts
Application March 17, 1936, Serial No. 69,272
4 Claims. (Cl. 95—2)



1. The method of producing a color photograph corrected for coloring-matter deficiencies, involving the use for the reproduction of a first color aspect, of coloring-matter deficient because having improper absorptivity for light which should only be absorbed by coloring-matter corresponding to a second aspect, which method comprises forming a color separation record of said first aspect, forming a color-separation record of said second aspect, one record comprising a negative and the other a positive and one record having greater contrast than the other, and forming with said records a corrected record of said second aspect, at least one of said records comprising a dyed colloid record whose gamma is determined by its dye content, and the ratio of the contrast values of said first and said second record being proportionate to said improper absorptivity.

2,188,326
ELECTRIC WELDING
John F. Windsor, Chicago, and Clayton Mark, Jr., Evanston, Ill., assignors to Clayton Mark & Company, Chicago, Ill., a corporation of Delaware
Application June 26, 1936, Serial No. 87,532
6 Claims. (Cl. 219—10)

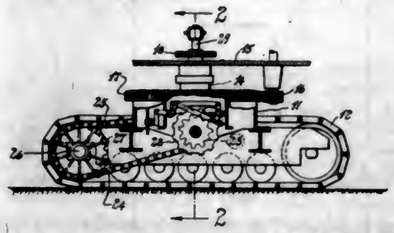


1. The method of electrically welding tubing, comprising moving a tube blank progressively through a welding throat through which the seam edges are brought together in a cleft vertex and pressed and an electric contact made to pass current thereacross over an extended area substantially entirely on the downstream side of the throat, and concurrently exerting such pressure against the seam edges of the blank at a point on the upstream side of the welding throat in cooperation with the pressure applied by the welding throat as to maintain the heating and welding zone substantially entirely on the downstream side of the transverse center line of said throat, during the travel of said blank.

2,188,327
COMPOSITION FOR PRESERVATION OF AND COMBINATION WITH LATICES, RUBBER, AND OTHER PROTEINS AND DECOMPOSABLE ORGANIC COMPOUNDS
Charles M. Albion, Newton, Mass.
No Drawing. Application March 26, 1937, Serial No. 133,269. Renewed April 10, 1939
18 Claims. (Cl. 134—17)

3. A composition of matter comprising a major proportion of an aqueous dispersion of rubber or the like, and minor proportions of a modifying composition consisting of a rubber solvent from the group consisting of tetrahydronaphthalene, decahydronaphthalene, turpentine, anthracene, benzol, xylol, toluol, Stoddard solvent, benzene, and tetrachlormethane; a hydrogenated phenol as a plasticizer; and a wetting agent.

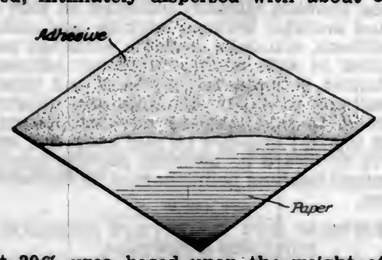
2,188,328
LOCK FOR PROPELLING MACHINERY
George Y. Anderson, Jr., and Trevor Davidson, Milwaukee, and Bruno L. Lonngren, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application October 22, 1938, Serial No. 236,388
16 Claims. (Cl. 188—30)



1. In a mobile crane or the like, the combination of: a traction base; a turntable, mounted thereon; means, on the base, for locking the traction; control means, extending from the locking means to the operator's station on the turntable; and means on the base, to releasably hold the control means in each of its control positions.

2,188,329
GUMMED TAPE MANUFACTURE
Hans F. Bauer, Chicago, Jordan V. Bauer, Elmwood Park, and Don M. Hawley, Geneva, Ill., assignors to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 22, 1938, Serial No. 247,138
12 Claims. (Cl. 91—68)

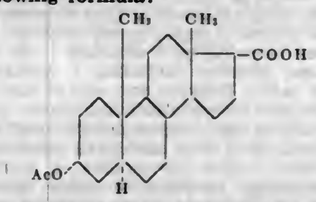
1. A remoistening tape of the character described comprising a flexible cellulosic sheet material in the form of a dried coating thereon of a water pervious vegetable adhesive layer consisting mainly of a root starch conversion product converted to a solubility within the range of about 3% to about 50% in water at 75° F., a viscosity within the range of 15 seconds to 400 seconds, as determined in the manner herein described and a dextrine content less than about 55% as determined in the manner herein described, intimately dispersed with about 3% to



about 30% urea based upon the weight of said conversion product, about 1% to about 5% borax and about 1% to about 10% glycerine, said adhesive possessing strong adhesive properties and being capable when moistened of developing tackiness and setting rapidly.

2,188,330
STERINE DERIVATIVES HAVING THE CHARACTER OF THE SEXUAL HORMONES AND A PROCESS OF PREPARING THEM
Max Bockmühl, Gustav Ehrhart and Heinrich Ruschig, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 14, 1936, Serial No. 90,610. In Germany July 18, 1935
3 Claims. (Cl. 260—397)

1. The 3-epiacyloxyetioallo-cholanic acids of the following formula:



wherein Ac stands for a lower aliphatic carboxylic acid radical, said compounds being soluble in organic solvents, miscible with water, soluble in aqueous alkalies and forming a silver salt sparingly soluble in water.

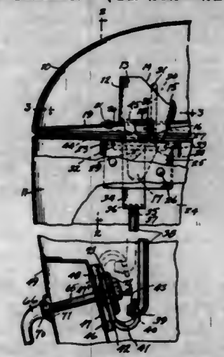
2,188,331
PAPER CARRIER SHEET FOR TACKY RUBBER, AND PROCESS OF MAKING SAME
George W. Coggeshall, Yarmouth, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application July 16, 1936, Serial No. 90,993
9 Claims. (Cl. 91—68)

1. Process of adapting an unsized, unfilled, strong and tough paper web which has been formed from a strong stuff only moderately beaten and slightly hydrated, the paper web having a weight of the order of about 87 pounds per ream, for use in carrying, separating and protecting tacky rubber, which comprises saturating the paper web throughout, by impregnation, with an aqueous dispersion of organic adhesive and a flexibilizer for said adhesive, whereby the strength, toughness and split-resistance of the paper web are materially increased; imparting to both surfaces of the so-impregnated web, by a method involving calendering, an increased smoothness, surface flatness and firmness, and gloss; and applying to at least one of the so-treated and calendered surfaces of the paper web a coating of a lacquer composition whose base is selected from the group of tough film-forming lacquer bases consisting of plasticized organic esters of cellulose, plasticized cellulose ethers, vinyl resins and acryl resins, whereby to provide a gloss surface which is separably adherent to tacky rubber.

2,188,332
FLEXIBLE COATED ARTICLE
Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1937, Serial No. 125,889
11 Claims. (Cl. 91—68)

1. An article of manufacture which comprises flexible sheet material comprising a flexible fabric base and a synthetic linear condensation polymer, capable of being formed into fibers showing by characteristic X-ray patterns orientation along the fiber axis.

2,188,333
LATCH, SAFETY CATCH, AND LIFTING MECHANISM FOR LID TYPE AUTOMOBILE HOODS
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application October 17, 1938, Serial No. 235,367
7 Claims. (Cl. 292—214)



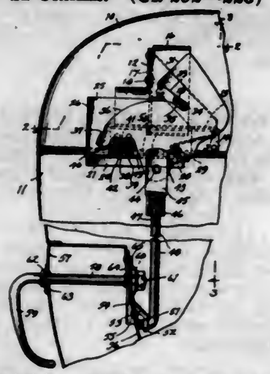
1. In a latching mechanism for releasably securing a lid type automobile hood member or the like to an engine compartment member or the like, in which a fixed latching part and a fixed abutment part are carried by one of said members, movable latching means adapted to be carried by the other of said members for cooperation with said fixed latching part, said latching means comprising a support, a latching member movably mounted on said support and movable between latching and unlatching positions, and lifting means associated with said latching member adapted upon movement to unlatching position to engage said abutment part to cause relative lifting movement of said hood, means actuated by the weight of said hood adapted in the engaged relation of said lifting means with said fixed abutment part to retain said latching means in unlatching position, said fixed latching part including a latching surface adapted to be engaged by said latching means in closed position of the hood.

2,188,334

LATCH, SAFETY CATCH, AND LIFTING MECHANISM FOR LID TYPE AUTOMOBILE HOODS

Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application October 17, 1938, Serial No. 235,368
11 Claims. (Cl. 292—223)



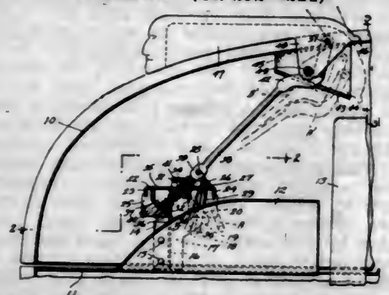
1. In a latching mechanism for releasably securing a lid type automobile hood member or the like to an engine compartment member or the like, in which a fixed latching part is carried by one of said members, movable latching means adapted to be carried by the other of said members for cooperation with said fixed latching part, said latching means comprising a support, a latching cam member pivotally mounted on said support for rotation about a horizontal axis, manually operable actuating means connected to said cam latching member adapted to be actuated to move said cam latching member between latching and unlatching positions, said latching cam member including a latching surface adapted to engage said fixing latching part in the latching position, and a safety hook portion at one end of said latching surface adapted to prevent disengagement from said fixed latching part until the latching cam member is manually actuated in unlatching direction.

2,188,335

LATCH AND SAFETY CATCH MECHANISM FOR LID TYPE AUTOMOBILE HOODS

Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application October 17, 1938, Serial No. 235,369
9 Claims. (Cl. 292—214)



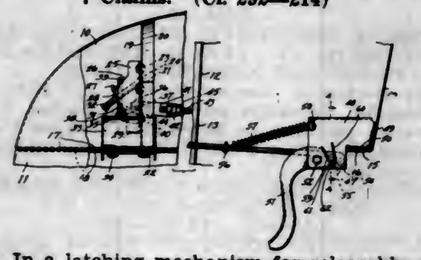
1. In a latching mechanism for releasably securing a lid type automobile hood member or the like to an engine compartment member or the like, in which a fixed latching part is carried by one of said members, movable latching means adapted to be carried by the other of said members for cooperation with said fixed latching part, said latching means comprising a support, a latching member movably mounted on said support and movable between latching and unlatching positions, manually operable actuating means connected to said latching member adapted to be actuated between full latching and unlatching positions to impart latching and unlatching movement to said latching member, means arranged to exert pressure on said actuating means to move it toward its latching position to a predetermined latching point short of its full latching position.

2,188,336

DASH-OPERATED LATCH AND SAFETY CATCH MECHANISM FOR LID TYPE AUTOMOBILE HOODS

Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application February 3, 1939, Serial No. 254,392
7 Claims. (Cl. 292—214)



5. In a latching mechanism for releasably securing a lid type automobile hood member or the like, a fixed latching part adapted to be carried by said hood member including a latching surface and a safety hook at one end of said latching surface, and movable latching means adapted to be carried by said engine compartment member for cooperation with said fixed latching part, said latching means comprising a support, a latching member movably mounted upon said support and movable between latching and unlatching positions to engage and disengage said latching surface, manually operable actuating means for said latching member comprising a bracket member adapted to be mounted upon the dash interiorly of the automobile, a manually operable lever member pivotally mounted upon said bracket member, a pull rod pivotally connected at one end to said latching member and at its other end to said lever member, said lever member and pull rod adapted to be actuated between full latching and unlatching positions to impart latching and unlatching movement to said latching member, and spring means arranged to exert pressure on said actuating means to move it toward its latching position.

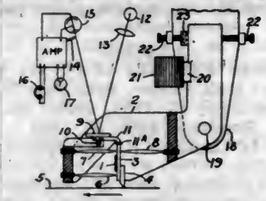
2,188,337

SOUND DISK RECORD AND METHOD AND APPARATUS FOR MAKING SAME

Leon Dewan, New York, N. Y., assignor of fifty per cent to George H. Callaghan, New York, N. Y.

Application December 29, 1937, Serial No. 182,221
3 Claims. (Cl. 179—100.4)

1. In sound reproducing from a phonic groove record, means for converting the vibrations of the record engaging stylus into sound waves and means for causing the stylus to engage the record



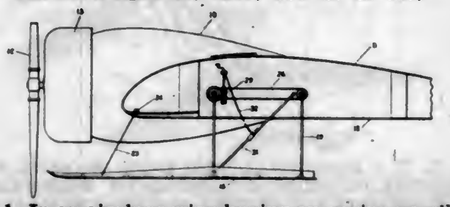
with a pressure varying in accordance with the sound volume.

2,188,338

FOLDING PLATFORM FOR SERVICING AIRPLANE ENGINES

Walter S. Diehl, United States Navy

Application December 21, 1937, Serial No. 180,991
5 Claims. (Cl. 244—129)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



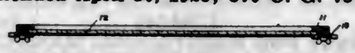
1. In an airplane wing having an engine nacelle projecting forwardly thereof, an engine servicing mechanic's platform or runway streamlined into the lower surface of the airplane wing, and means operable from the cockpit for extending said platform or runway downwardly and forwardly from said wing and including rigid means for supporting it in extended forward position adjacent the engine nacelle while in flight.

2,188,339

CHRONOGRAPH SCREEN

James V. Dunham, Southampton, Pa.

Application June 28, 1939, Serial No. 281,659
2 Claims. (Cl. 273—102.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A chronograph screen for detecting the passage of a projectile embodying a screen member presenting a relatively large target comprised of glass so strained as to be entirely shatterable on impact of the projectile at any point, the thickness of the screen member being so related to the projectile to avoid significant retardation and deflection of the projectile, and a disintegrable electric conductor carried by the screen member.

2,188,340

PROCESS OF REACTING METHYL VINYL KETONE WITH HYDROGEN CYANIDE AND PRODUCTS THEREBY OBTAINED

Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 18, 1936, Serial No. 69,589
21 Claims. (Cl. 260—464)

1. The process which comprises reacting hydrogen cyanide with methyl vinyl ketone under anhydrous conditions in the liquid state to produce levulinonitrile.

2,188,341

PROCESS FOR THE MANUFACTURE OF ABRASIVE ARTICLES

Ernst Elbel and Fritz Seebach, Erkner, near Berlin, Germany, assignors, by mesne assignments, to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

No Drawing. Application December 24, 1931, Serial No. 583,145. In Germany December 30, 1930
11 Claims. (Cl. 51—280)

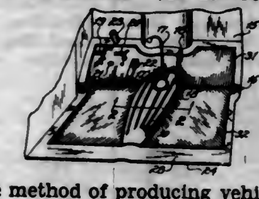
1. Process of preparing an abrasive article which comprises applying to a flexible base abrasive grains and a binder including a heat-hardening composition of a phenol-aldehyde resin brought into homogeneous solution with a drying oil, and heating to cause setting of the binder to a solid film characterized by adherence, flexibility, water resistance and freedom from softening.

2,188,342

MANUFACTURE OF VEHICLE FLOOR MATS

William E. England, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio

Application July 29, 1936, Serial No. 93,222
2 Claims. (Cl. 18—56)



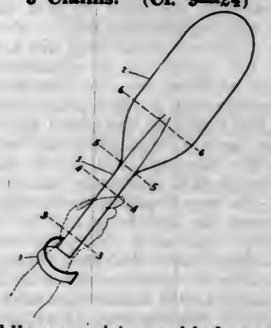
1. The method of producing vehicle floor mats of the type having a hump portion adapted to overlie and conform to a projection on the vehicle floor, comprising placing a sheet of rubber stock in a mold having therein a hump-forming portion of undulating configuration and of less height than the hump portion of the mat will assume when placed on the vehicle floor and the undulations of the hump-forming portion being such as to provide sufficient material in the hump portion of the mat to permit it to be distended to the height of the floor projection without stretching of the material of the mat, molding the sheet and thereby forming thereon a distendable hump portion corresponding to the size and shape of the hump-forming portion in the mold, and curing the entire sheet while in the mold.

2,188,343

ONE-HAND PADDLE

Algernon F. Flournoy, Monroe, La.

Application March 12, 1937, Serial No. 130,558
3 Claims. (Cl. 9—24)



1. A paddle comprising a blade and a handle,

said handle being provided with a rigid hook shaped strap member attached at one of its ends to the handle, thence extending in a curvilineal direction, upwardly and across the center line of the said handle, said strap member being adapted to brace a human arm.

2,188,344

POLYVINYL ACETAL RESINS AND A PROCESS FOR THE PREPARATION THEREOF

Charles R. Fordyce, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 3, 1936, Serial No. 62,230
6 Claims. (Cl. 260—73)

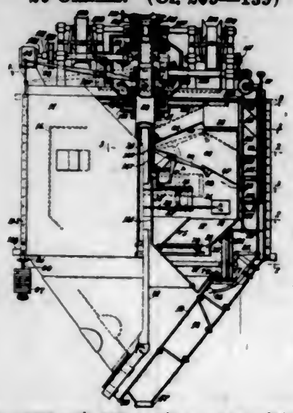
1. A process for the preparation of a polyvinyl acetal resin comprising deacetylating, in the presence of an alkali metal hydroxide, a polyvinyl acetal-acetate resin.

2,188,345

AIR OR OTHER CURRENT SEPARATOR

George Holt Fraser, Brooklyn, N. Y.

Original application January 10, 1935, Serial No. 1,173. Divided and this application May 18, 1936, Serial No. 80,258. Renewed May 13, 1939
20 Claims. (Cl. 209—139)



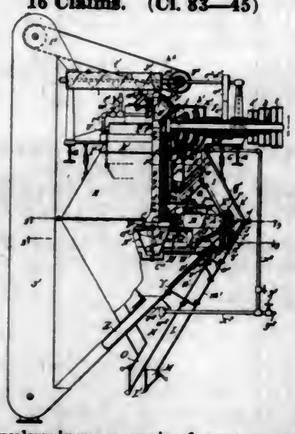
1. In a current separator comprising, a settling chamber, a separating chamber having a lower current inlet and an upward current passage and an upper current outlet in communication therewith, a distributor spaced below said outlet and within said passage, for the supply and distribution of material to be separated therein, and movably adjustable relatively to said outlet for varying the zone of said distribution, for varying the separation, rotary blower means comprising spoke means having fan blades above said outlet for upflowing a separating current through said passage, for the separation of fine material therein, and a valve above and adjacent said outlet, for defining the space through which said current may flow therefrom, and movably adjustable for varying said space, for varying the velocity of said current, for varying said separation; the combination therewith of an adjuster common to and in operative relation to said distributor and said valve, for movably adjusting said distributor and said valve, connected to and movable simultaneously with and in the same direction as said distributor and said valve, and operable to simultaneously adjust said distributor and said valve in the same direction, and thereby to vary said velocity adjacent said outlet coincidently with variation of said zone below said outlet, for varying the separation.

2,188,346

PULVERIZING AND SEPARATING MACHINE

George Holt Fraser, Brooklyn, N. Y.

Application June 15, 1932, Serial No. 617,395
Renewed April 15, 1939
16 Claims. (Cl. 83—45)



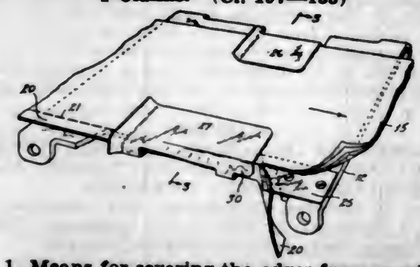
1. In a pulverizer, a main frame or casing, an annular horizontal die therein for discharging fine material, and dropping uncrushed material as tailings, carried by said frame and having an internal annular crushing face, a rotatable crushing roll within and eccentric of said die and having a peripheral crushing face toward said face for crushing material between said faces, supply means for supplying material to be crushed by said faces, drive means for rotating said roll, a material sustainer wall below said die, for receiving and sustaining such uncrushed material dropped from said die, rotary material uplifters inwardly of said die and above said wall, for uptossing uncrushed material from said wall toward said die, and a rotary refeeder above said uplifters and in juxtaposition thereto to receive and refeed such uplifted material, for refeeding such dropped material.

2,188,347

MEANS FOR MAINTAINING MANIFOLD FORMS IN REGISTRATION

James B. Fulk, Norwalk, Ohio

Application December 22, 1937, Serial No. 181,064
4 Claims. (Cl. 197—133)



1. Means for severing the edges from manifold forms while maintaining the forms in registration during their passage through a typewriting machine, comprising in combination, a support for guiding long continuous strips of forms that are connected together along a narrow portion adjacent the longitudinal edges of the strips and

that have a weakening line extending lengthwise thereof and spaced from the connected portion, a guide carried by the support for bending the forms along the weakening line and means mounted on the support for severing the bent portions in advance of the passage of the forms into the machine.

2,188,348

TRAFFIC CONTROL SYSTEM

Henry A. Haugh, Jr., New Haven, Conn., assignor to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut

Application April 23, 1930, Serial No. 446,462
27 Claims. (Cl. 177—339)



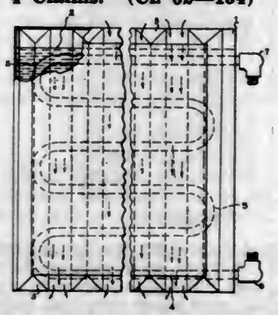
1. A traffic control system for more than two interfering traffic lanes including signaling means to accord right-of-way over any one lane while interrupting right of way over the other lanes, vehicle actuated controls associated one with each of said lines, means including timing mechanism connected to said signalling means and vehicle actuated controls and having one operating cycle for said signalling means to sequentially accord and interrupt right of way to the succeeding vehicle lanes when activated, and means cooperating with the second named means for activating the latter responsive to actuation of the respective vehicle actuated controls to cause right of way to be accorded to the next succeeding vehicle lane in which a vehicle actuated control has been actuated, and means to maintain interruption of right of way through said signalling means in any intervening lane in which the vehicle actuated control has not been actuated.

2,188,349

HOLD-OVER REFRIGERATION UNIT

Frederick J. Heldeman, Detroit, Mich.

Application December 2, 1936, Serial No. 113,787
4 Claims. (Cl. 62—134)



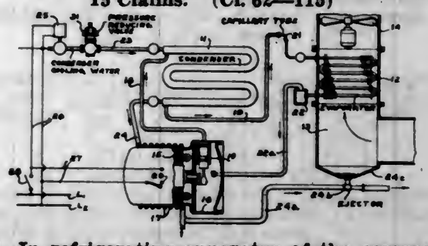
1. A mechanical refrigerating unit comprising a tank formed with corrugations extending approximately from top to bottom thereof, a freezable liquid within such tank, means submerged in the liquid for freezing the liquid, and members bridged across adjoined corrugations of the tank to form open-ended air passages between the corrugations.

2,188,350

REFRIGERATING APPARATUS

Richard E. Holmes, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 24, 1935, Serial No. 37,668
15 Claims. (Cl. 62—115)



1. In refrigerating apparatus of the compressor-condenser-expander type, the combination of a water-cooled condenser, an evaporator, a compressor for circulating refrigerant through the condenser and the evaporator, means responsive to increase and decrease in the pressure difference obtaining between the condenser and the evaporator for increasing and decreasing, respectively, the flow of refrigerant therebetween, and regulating means for supplying water at a substantially constant rate to the condenser such that the condenser pressure and the pressure difference between the condenser and the evaporator increase and decrease upon increase and decrease, respectively, in the refrigerating load.

2,188,351

N-SUBSTITUTED SULPHAMATE

Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 2, 1938, Serial No. 188,395
10 Claims. (Cl. 23—114)

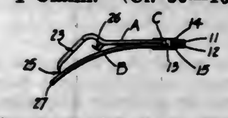
1. N-sodium sodium sulphamate, $NaHNSO_3Na$.

2,188,352

CONTAINER OPENER

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

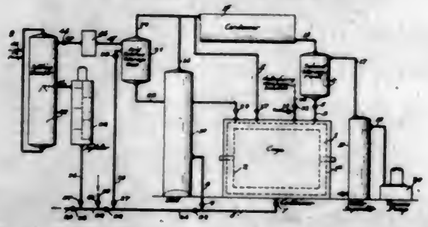
Application August 6, 1937, Serial No. 157,806
1 Claim. (Cl. 30—16)



A device for producing a pouring opening in a container wall, comprising a punch member and a handle member pivotally secured thereto, said punch member at its outer end being deflected out of its plane and terminating in a piercing point, said handle member being of arcuate formation and having its outer end deflected in the same direction as the outer end of said punch member to permit said members to be folded into non-operative nested position, said handle member when in folded position being disposed against and shielding said piercing point when the device is in folded position, and fulcrum means on

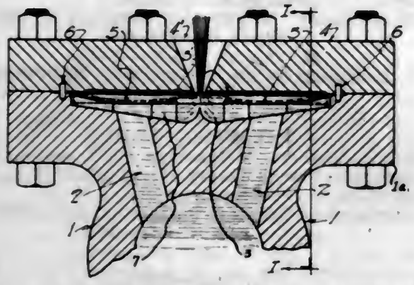
said punch member for engaging under the top rim of the container to rock said punch member inwardly when said handle and punch members are in extended position, whereby to cut a portion of a container wall and to deflect inwardly said cut portion, said fulcrum means when the device is in folded position being disposed between said handle and punch members.

2,188,353
REMOVAL OF DIRT
Harvey W. House, Pasadena, Calif., assignor to Engineering Incorporated, Los Angeles, Calif., a corporation of California
Application April 2, 1937, Serial No. 134,589
4 Claims. (Cl. 8—142)



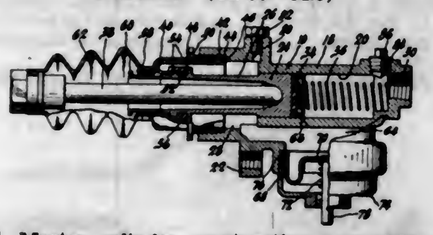
2. In the removal of dirt from material, the steps including: impregnating the material with a solution of a soap-forming acidic substance, evaporating the solvent of the solution from the material so as to leave the soap-forming acidic substance concentrated in the material, and neutralizing the soap-forming acidic substance so as to form soap in the material.

2,188,354
SELF-CLEANING HYDRAULIC SPRAY DEVICE
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application June 30, 1938, Serial No. 216,848
8 Claims. (Cl. 299—59)



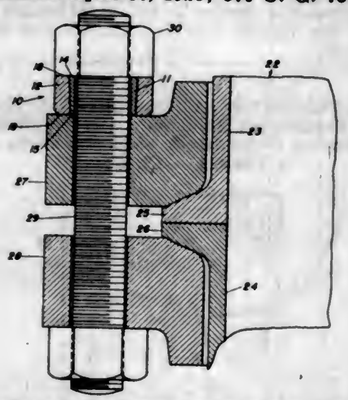
8. In a device of the character described, a body comprising a conduit and a head, said head being hollowed to provide a pressure chamber having communication with said conduit, a cover for said head having an orifice therein, a pair of spring metal plates engaged between said head and said cover at one end of each of said plates, the other ends of said plates approaching each other adjacent said orifice, said plates being normally curved whereby pressure in said pressure chamber will tend to flatten said plates and move the ends thereof more closely together at said orifice, said plates being engaged at said first mentioned ends on dowels entering said head and said cover, said cover having ribs between which said plates are guided in their movements as aforesaid, and said pressure chamber having supporting ribs shaped to contact said plates when in curved position.

2,188,355
MASTER CYLINDER
George H. Hunt, Detroit, Mich., assignor, by mesne assignments, to Detroit Hydrostatic Brake Corporation, a corporation of Michigan
Application March 12, 1936, Serial No. 68,481
5 Claims. (Cl. 60—54.6)



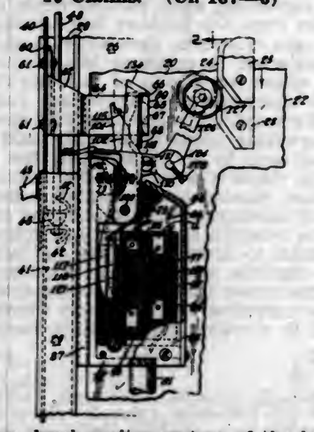
1. Master cylinder construction comprising a body member provided with a cylinder bore internally thereof, a piston mounted for reciprocation within said bore, a resilient cup-shaped member operatively associated with the forward face of said piston adapted for sealing the same with respect to said bore, a fluid chamber externally of said cylinder bore and having an opening, a flexible wall directly connected at one end to said body member inwardly of said opening and at the other end directly to the rear of said piston for sealing said chamber against loss of fluid therefrom, a rigid metallic wall enclosing said flexible wall and connected to said body member inwardly of said opening, said metallic wall being free of said piston, and an opening in said cylinder bore affording communication between the same and said chamber when said piston is in its retracted position.

2,188,356
STRESS INDICATING WASHER
Howard S. Jeans, United States Navy, and Karl D. Williams, Washington, D. C.
Application October 31, 1938, Serial No. 237,978
4 Claims. (Cl. 265—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stress indicating washer for use with bolts in assembling parts, said washer including an inner solid ring and an outer solid ring of hard, elastic metal, said inner ring and outer ring having contacting tapered straight surfaces of substantially identical but small angle, said inner ring having a minimum external diameter greater than the minimum internal diameter of said outer ring, whereby said rings when telescoped together a predetermined distance indicate that the bolt is stressed a predetermined amount.

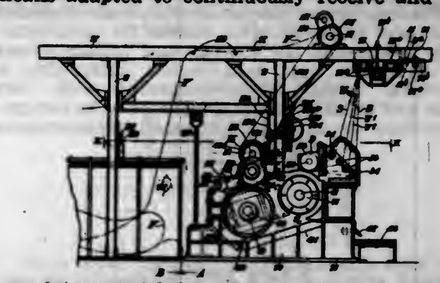
2,188,357
DUMB-WAITER CONTROL SYSTEM
Le Roy H. Kiesling, Brooklyn, N. Y.
Application November 11, 1937, Serial No. 173,983
10 Claims. (Cl. 187—3)



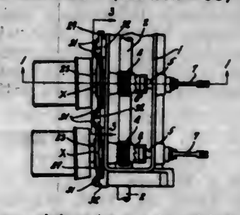
1. For a dumb-waiter system of the kind having an electrically operated car, a vertically openable door at each floor, a car operating circuit with up and down manual switches at the several floors, a door-indicating circuit, and a car-indicating circuit, with indicators at the several floors showing the locations of the door and car respectively; a unitary control mechanism adapted for use at each floor, comprising in combination, a frame 71 adapted to be attached in the dumb-waiter shaft adjacent to the car path and door, and the following elements mounted on said frame, a door-actuated spring-restored first control lever 101 cooperating with a projection of the door, a car-actuated spring-restored second control lever 103 cooperating with an actuator on the car, and a separate spring-restored door-locking third lever 102 cooperating with said door projection, said levers being compactly mounted on said frame in generally upright positions in a manner for shifting in adjacent parallel planes, a first operation-controlling switch 96, 91 closed by the first lever when the door is closed, a second operation-controlling switch 97, 93 opened by the second lever when the car is present, a door-indicating switch 96, 92 opened by the first lever when the door is closed, and a car-indicating switch 97, 94 closed by the second lever when the car is present, and said second lever having a connection to the third lever whereby it may shift the third lever against its spring to door-unlocking position when the car is present.

2,188,358
WIRE FABRIC MACHINE
William A. Kilmer, deceased, late of De Kalb, Ill., by Angelique Kilmer, administratrix, De Kalb, Ill.
Application December 31, 1936, Serial No. 118,686
71 Claims. (Cl. 140—6)

1. A wire fabricating machine comprising, in combination, a material supply depot composed of a plurality of stationary coil holders, a wire fabricating means, guides, a tensioning device for directing wires from said depot to said fabricating means, means for winding the fabric delivered from said fabricating means, and storage means adapted to continuously receive and accumulate said fabric and to continuously deliver the same to said winding means without entanglements.

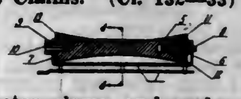


2,188,359
THREAD STORE DEVICE
Walter F. Knebusch, Rocky River, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 18, 1935, Serial No. 7,116
Renewed February 25, 1938
18 Claims. (Cl. 242—53)



1. A reel comprising two sets of interdigitating bar members each of which sets is substantially circular in cross section; a frame in which one set of bar members is journalled; a support on which the other set of bar members is journalled; and means for varying the relation of said sets of bar members comprising arms on said support adjustably connected to said frame.

2,188,360
HAIR WAVING APPLIANCE
Frederick W. Koehler, Pittsburgh, Pa.
Application December 6, 1938, Serial No. 244,185
2 Claims. (Cl. 132—33)

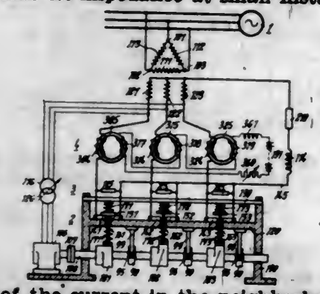


1. A protector clamp and curler rod having cooperative ratchet elements at one of the end faces of said clamp and rod in cooperative engagement and having a spring element disposed in the opposite end of the rod to yieldingly bias said rod to maintain abutting engagement of said ratchet elements.

2,188,361
APPARATUS FOR CONVERTING CURRENTS
Floris Koppelmann, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application October 5, 1937, Serial No. 167,422. Renewed May 2, 1939. In Germany October 5, 1936
24 Claims. (Cl. 175—364)

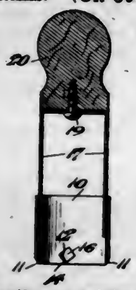
1. An arrangement for converting alternating

current into direct current or vice versa, or alternating current of one frequency into alternating current of another frequency, comprising a switching device having mechanically operated make and break contacts, means for simultaneously influencing the current and voltage across the switching gap, said means comprising a switching reactor series-connected with said make and break contacts and designed to abruptly increase its impedance at small instantaneous



values of the current in the neighborhood of its zero value, and a voltage-biasing impedance path parallel-connected to said make and break contacts for reducing the operating voltage recurring between said contacts, in combination with a variable auxiliary inductance designed to have a high resistance when switching in said make and break contacts, said inductance being series-connected in a circuit including said make and break contacts and said parallel path.

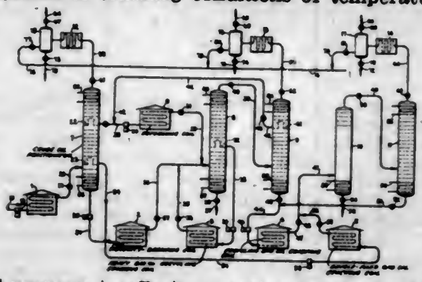
2,188,362
CORING UTENSIL
James E. Krilow, Atlantic City, N. J.
Application April 23, 1938, Serial No. 203,755
2 Claims. (Cl. 30—25)



1. A coring utensil comprising the combination of a tubular head having a cutting knife at one end, a metal strip extending transversely within said head and twisted to form two oppositely disposed cutting blades arranged at substantially forty-five degrees to the axis of said head, and means to anchor the ends of said strip to said head.

2,188,363
TREATMENT OF HYDROCARBONS
Wayne E. Kuhn, Jackson Heights, N. Y., assignor, by mesne assignments, to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application July 20, 1937, Serial No. 154,531
3 Claims. (Cl. 196—49)

1. The method of treating hydrocarbon oils to produce therefrom lighter hydrocarbon oils including motor fuel constituents which comprises separating crude petroleum into vapors and residue in a primary separating zone and fractionating the separated vapors in a primary fractionating zone to form virgin gas oil and naphtha condensates, passing resultant residue to a single-pass viscosity-breaking zone wherein the residue is subjected to cracking conditions of temperature and pressure under viscosity-breaking conditions to effect conversion into lighter products including a substantial proportion of constituents above the motor fuel boiling range, delivering the resultant viscosity-broken products into a second separating zone, passing virgin naphtha condensate from the primary fractionating zone to a separate reforming zone wherein the naphtha is subjected to cracking temperature adequate to effect conversion of gasoline constituents into components of increased anti-knock quality, discharging the resultant reformed products at cracking temperature into said second separating zone to aid in effecting the separation of the viscosity-broken products into vapors and residue, passing the separated vapors from the second separating zone to a second fractionating zone wherein the vapors are subjected to fractionation to form heavy gas oil, lighter gas oil and naphtha condensates, directing heavy gas oil condensate from the second fractionating zone to a recycling cracking zone wherein it is subjected to cracking conditions of temperature



and pressure to effect conversion into lower boiling products including a substantial proportion of constituents above the motor fuel boiling range, passing the resultant cracked products from said recycling cracking zone to said second separating zone wherein said cracked products are subjected to vaporization with the aid of the hot products from the reforming zone, passing virgin gas oil from the primary fractionating zone to a separate single-pass gas oil cracking zone wherein it is subjected to high cracking temperature under superatmospheric pressure and under conditions of high cracking per pass to effect conversion into motor fuel constituents of high anti-knock quality, directing lighter gas oil condensate from the second fractionating zone to a second recycling cracking zone wherein the oil is subjected to cracking conditions of temperature and pressure to effect conversion into motor fuel constituents, separating into vapors and residue the cracked products from the single-pass gas oil cracking zone and from the second recycling cracking zones externally of the separating and fractionating zones hereinbefore mentioned, fractionating the separated vapors in a third fractionating zone to form a desired distillate and reflux condensate and cycling reflux condensate from the third fractionating zone to the latter recycling cracking zone.

2,188,364
LOAD LIFTER AND BALANCER
Joseph P. Lannen, Detroit, Mich.
Application January 7, 1938, Serial No. 183,792
9 Claims. (Cl. 121—46)

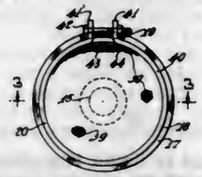
1. A pneumatic lifter and balancer comprising

an upper member, a lower member carried by and movable upwardly and downwardly on the upper member, one of said members being a cylinder closed at one end, and the other including a piston fitted in the cylinder and a rod attached to the piston and having a sliding fit in said cylinder end, a pressure chamber being formed between the piston and said cylinder end, a support



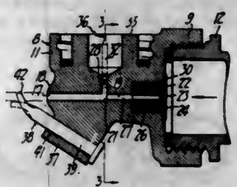
from which the upper member is suspended, a load-receiving element attached to the lower member, the pressure chamber having a restricted inlet port in open communication therewith and an exhaust port of relatively large capacity opening therefrom, means for continuously delivering compressed air to the inlet port, and a manually operable valve controlling the exhaust port.

2,188,365
GRINDING TOOL
Leon B. Lent, White Plains, and John D. Gamble, Forest Hills, N. Y.
Application December 7, 1937, Serial No. 178,532
5 Claims. (Cl. 51—209)



1. A tool or lap for accurate grinding to predetermined form of the curved surfaces of glass lenses and like articles, said tool consisting of a collection of numerous stiff grinding rods of hard material the ends of which are adapted to contact with and reduce the surface of the article to be ground, such grinding rods being assembled and bundled snugly in mutual contact to stand stiffly in parallel relation, combined with clamping means holding the rod assemblage confined tightly and securely against relative longitudinal play or sliding during grinding, whereby is afforded a rigid entirety of unchangeable contour; such assembled rods being adapted to be pre-set into predetermined relative endwise positions, and there rigidly clamped, such as collectively to define an exposed grinding surface of definite curved contour which corresponds to the required contour of the article to be produced, for the continuous grinding and scientific reduction of such article to form during relative movement of the tool thereon.

2,188,366
SPRAY APPARATUS
Frank F. Lindstaedt, Oakland, Calif.
Application September 15, 1936, Serial No. 100,836
9 Claims. (Cl. 299—84)



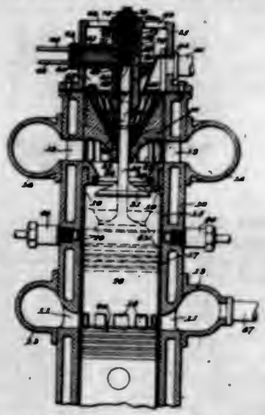
8. A spray apparatus comprising, a body having an inlet passage for a spray carrier fluid under pressure and a discharge passage connected thereto and of greater cross-sectional area to produce a reduced pressure in said discharge passage at said inlet passage, a socket for the receipt of the open neck end of a bottle containing spray liquid, said body having third and fourth passages formed in integral walls of said socket and opening into said socket, said third passage being of substantially capillary dimension in cross-sectional area and said fourth passage being many times larger in cross-sectional area, said fourth passage extending from said socket towards said discharge passage, a fifth passage of an area reduced from said fourth passage and connected thereto and to said discharge passage adjacent said inlet passage, said third passage being open at its outer end to the atmosphere and opening into the interior of said socket at an elevation above the discharge end of said fourth passage in upright position of said socket and fourth passage, a sixth passage connected to said fifth passage adjacent said fourth passage and vented to the atmosphere so as to establish substantially atmospheric pressure at the discharge end of said fourth passage whereby the rate of spray liquid flow will be dependent substantially entirely upon the difference in elevation of third and fourth passages in the interior of the bottle, and means mounted in said inlet passage and responsive to the applied carrier fluid pressure to maintain a substantially constant flow of carrier fluid for various applied pressures.

2,188,367
KEY RING CONSTRUCTION
Gustav A. Loercher, Greenwood, R. I., assignor to Carl-Art, Inc., a corporation of Rhode Island
Application January 20, 1938, Serial No. 185,873
8 Claims. (Cl. 70—459)



1. In an article of the type described, a ring member of resilient material, a head having an end wall member and hinged to said ring member at one end thereof, cooperating detachably engageable parts on the free end of said ring member and said head member comprising a tooth and a detent on one member and a cooperating detent and tooth on the other member, and additional means for releasably locking said parts in engaged relation.

2,188,368
INTERNAL COMBUSTION ENGINE
John J. McCarthy, Malden, Mass.
Application January 3, 1939, Serial No. 249,011
19 Claims. (Cl. 123—50)



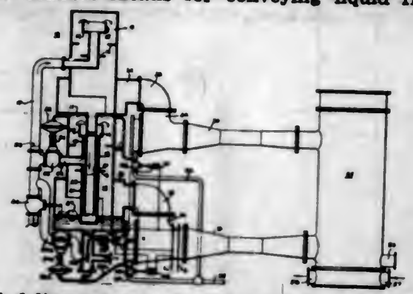
1. In an internal combustion engine, the combination of a cylinder open at both ends; two pistons in the cylinder operating in opposite directions therein, one piston being slidable on the cylinder wall and the other piston being slidable in said one piston, means for supplying a combustible mixture to the space between the heads of said pistons, a normally spring-closed poppet exhaust valve in the head of said one piston, the head of said valve being exposed to the interior of said one piston and liftable into the latter in the direction of the cylinder axis; a stationary stop adapted to be engaged by the stem of said valve when said one piston moves into its outer dead center position, thereby lifting said valve, and means for circulating a cooling fluid other than said combustible mixture about said stem.

2,188,369
ANTHRAQUINONE COMPOUND AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 8, 1936, Serial No. 114,864
17 Claims. (Cl. 260—371)

1. As a new product, an anthraquinone compound, containing no sulfonic acid group or carboxylic acid group in the anthraquinone nucleus, having an alkylene sulfonic acid, other than methylene, attached to the anthraquinone nucleus through a nitrogen atom.

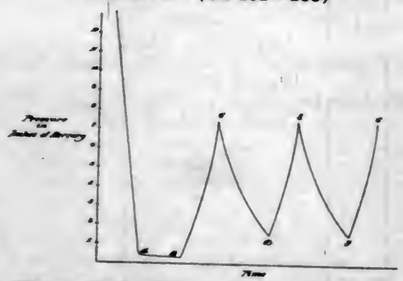
2,188,370
COOLING APPARATUS
John W. McNulty, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 17, 1936, Serial No. 101,252
7 Claims. (Cl. 62—152)

1. In refrigerating apparatus, the combination of first and second evaporator chambers, first and second ejectors connected to said first and second chambers, respectively, for withdrawing vapor therefrom, means for supplying motive fluid and for controlling the admission thereof individually to said ejectors, means for delivering liquid to be cooled to said first chamber, means for conveying liquid from said first chamber to said second chamber, means for withdrawing liquid from said second chamber, by-pass conduit means for conveying liquid from



said delivery means to the second chamber for by-passing the first chamber, a valve in said by-pass conduit, and means for closing said valve in response to pressure of the motive fluid admitted to the first ejector and for opening the valve in the absence of said pressure, whereby when the first ejector is shut down, the liquid to be cooled by-passes the first chamber.

2,188,371
METHOD OF IMPREGNATING PRODUCTS WITH LIQUID AGENTS
Charles J. Merriam, Winnetka, Ill., assignor to The Guardite Corporation, a corporation of Illinois
Application September 15, 1938, Serial No. 230,111
7 Claims. (Cl. 131—133)

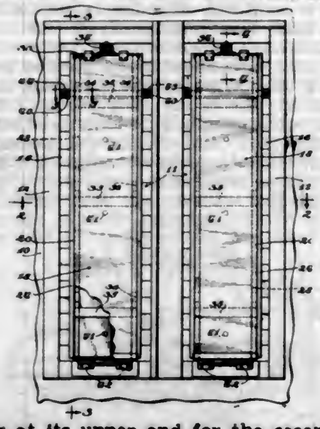


1. The method of liquid impregnating a product which comprises substantially freeing it from noncondensible gas and then introducing thereto a substantially saturated gas at a temperature and pressure at least approaching the critical, and markedly above the temperature and pressure of the product, whereby the temperature of the product is raised by condensation of gas thereon.

2,188,372
REFRIGERATION
Frank B. Parker, Chicago, Ill.
Application November 5, 1937, Serial No. 172,943
6 Claims. (Cl. 62—91.5)

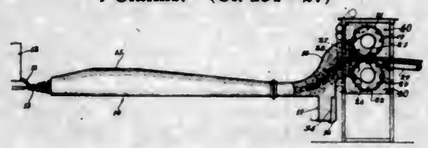
1. In combination, a storage compartment including a door, a refrigerator housing pivotally mounted on the inner side of said door, and a refrigerant container within said housing and having a wall in spaced relation to the wall of the housing, closure means for said housing and container, said container having openings for

the escape of refrigerant gas into the space between said walls, and said housing having an



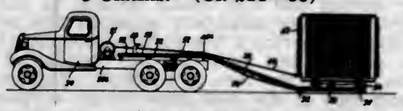
opening at its upper end for the escape of refrigerant gas.

2,188,373
FELTED PRODUCT AND METHOD AND MACHINE FOR MAKING THE SAME
Gale T. Pearce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 12, 1936, Serial No. 100,446
7 Claims. (Cl. 154—27)



1. A mineral wool forming apparatus of the kind described, including means for converting a molten mineral composition into fibres, a felting member, and a horn for conducting the fibres in aeriform suspension to the felting member, the said horn, over a large part of its total length, flaring in width continuously and varying substantially in inverse ratio in thickness and becoming relatively thin at the part thereof nearest the felting member, the area of cross section in the said part remaining substantially constant.

2,188,374
LOADING AND TRANSPORTING APPARATUS
Federico G. Sanchez, Vedado, Cuba
Application May 7, 1938, Serial No. 206,515
6 Claims. (Cl. 214—85)



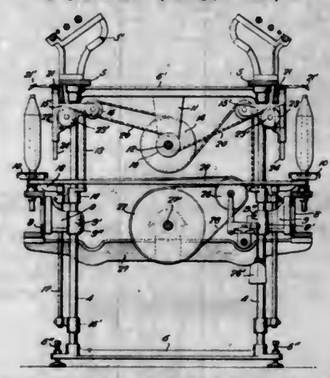
1. In an apparatus of the character described, including a transport vehicle with the usual frame, transoms across said frame, spaced rail sections fixed to said transoms, other extensible rail sections loosely connected to the fixed rail sections so as to be movable individually longitudinally relatively to the fixed rail sections, said extensible rail sections being supported by, but being movable with respect to the transoms, the connections between the fixed and the extensible rail sections including pairs of fish plates fixed to the webs of the fixed rails slidably receiving therebetween the webs of the extensible rail sections, ramp rails operably connected to the other ends of the movable extensible rail sections adapted for connection with a ground rail assemblage, and means to prevent complete disconnection of the extensible rail sections from the fixed rail sections.

2,188,375
BUFFING WHEEL
Clay A. Sayers, Detroit, Mich.
Application January 20, 1936, Serial No. 59,976
16 Claims. (Cl. 51—193)



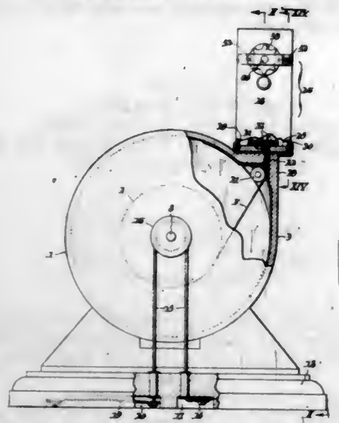
16. A buffing wheel comprising a series of layers of fabric and each layer consisting of several sheets of fabric having a series of flattened radial pleats.

2,188,376
RING SPINNING FRAME
Jose Serra Sio, Barcelona, Spain
Application March 10, 1938, Serial No. 195,036
In Spain March 23, 1937
8 Claims. (Cl. 57—110)



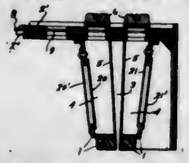
1. A spinning frame comprising a series of vertical standards spaced suitable distances apart and arranged in pairs transversely of the machine, a transverse connecting base piece for each transverse pair of columns and supporting said columns, a transversely extending bridge piece connecting the upper ends of said pair of columns, longitudinally extending roll-stand-supporting members secured to the ends of the bridge pieces directly over the upper ends of the said columns, outwardly extending spindle-rail-supporting brackets secured to and vertically adjustable on said columns at each side of the machine frame, a spindle rail on each side of the machine frame and supported by said spindle-rail brackets, spindles supported by said spindle rail, transversely extending bars secured to the lower sides of the spindle rails and connecting said rails together, a longitudinally extending drum shaft journaled in bearings supported by said cross bars, a tape-driving drum mounted on said drum shaft, a series of spindle-driving tapes engaging said drum and the spindles, and a tape-tension means carried by said spindle-rail-supporting brackets.

2,188,377
APPARATUS FOR DISPENSING PHOTOGRAPHIC RIBBON FILM
Howard Small, Philadelphia, Pa.
Application July 10, 1935, Serial No. 30,596
20 Claims. (Cl. 242—55)



1. A photographic ribbon film dispensing apparatus comprising a light-tight casing with a support for a rotatable supply of the film, and with a light-tight egress slit for the ribbon film; a light-tight housing securable over the slit of the casing; a mounting within the housing to receive a standard film camera magazine having a shutter to close a spool access opening therein; means for turning the magazine spool to take up film from the supply aforesaid; and means operated incident to the application and removal of the housing to respectively open and close the shutter of the magazine.

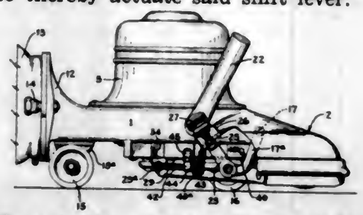
2,188,378
ACCORDION
Mario Soprani, Castelfidardo, near Ancona, Italy
Application April 13, 1937, Serial No. 136,519½
In Italy April 17, 1936
4 Claims. (Cl. 84—376)



1. In an accordion having a substantially rectangular casing with a short side and a long side, elongated reed-carrying blocks having a length less than that of the short side of the casing and disposed parallel with the short side of the casing whereby an air space is provided between an end of a block and an opposed long side of the casing, and means disposed between pairs of blocks to define a resonance chamber with each block, respectively and to define a hollow chamber positioned between a pair of resonance chambers.

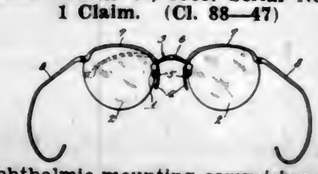
2,188,379
SUCTION CLEANER
Charles H. Taylor, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 25, 1936, Serial No. 87,162
14 Claims. (Cl. 15—9)

1. In a suction cleaner adapted to be converted to and from off-the-floor cleaning operation, the combination with suction producing means including a fan chamber, of a nozzle chamber, a passage leading from said nozzle chamber to said fan chamber, a converter port opening into said passage from the exterior thereof and adapted to receive a converter member connected with one end of a dusting tool hose for closing off said passage, mechanism for raising the nozzle above the floor during converted operation comprising a shift lever positioned adjacent said port, and means for imparting a rocking movement to said converter member during its endwise movement into converting position to thereby actuate said shift lever.



14. In a suction cleaner, the combination of a suction-producing unit including a fan chamber having an inlet opening, a motor-driven fan in said fan chamber, a nozzle chamber having an air passage communicating with the inlet opening to said fan chamber, a rotary agitator mounted in said nozzle chamber, a motor-driven pulley extending axially through said inlet opening and into said passage, a belt extending from said pulley to said agitator through said passage, the latter having an externally opening valved port adapted to have a converter member inserted therethrough and into a position transversely of said passage to close off said inlet opening from said nozzle chamber, and coacting guide members on said converter member and adjacent said port and acting to guide the end portion of said converter member around said pulley as it approaches its seat transversely of said passage.

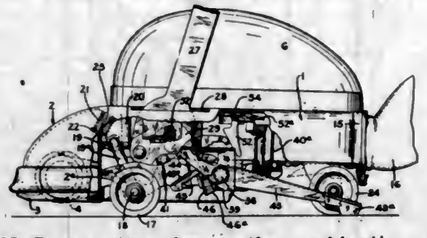
2,188,380
LENS MOUNTING
William R. Uhlemann, Evanston, Ill., assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware
Application March 21, 1938, Serial No. 197,113
1 Claim. (Cl. 88—47)



An ophthalmic mounting comprising a central bridge portion, a temple, and a temple-supporting wire having one end rigidly secured to the remainder of the mounting adjacent the bridge portion and having a free portion extending from said secured end following the contour of the upper edge of the lens to a temple hinge on the temple side of the lens, said temple-supporting wire tapering gradually from its secured end to the temple side of the lens to gradually increase the springiness of the wire.

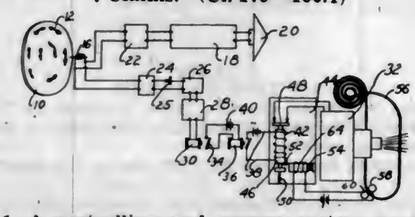
2,188,381
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 22, 1936, Serial No. 75,711
17 Claims. (Cl. 15—16)

1. In a suction cleaner, the combination of a casing having a nozzle portion, a handle pivotally mounted on said casing, a wheel carrying member mounted on said casing to swing in a direction to raise and lower said nozzle portion, a link carried by said wheel carrying member and normally adapted to contact an abutment on said casing to hold the wheel-carrying member in a fixed position, and a lever adapted to be operated to shift said link out of contact with said abutment and into operative engagement with said handle, whereby the latter is temporarily connected with said wheel-carrying member to effect the raising and lowering of said nozzle portion by said handle while said lever is held in its operating position.



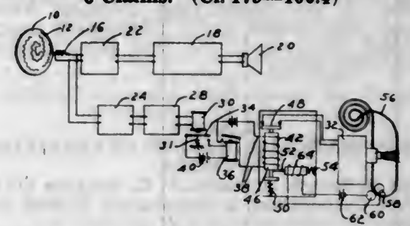
15. In a suction cleaner, the combination of a casing, a handle pivotally mounted on said casing to swing a wheel at one end of the casing, a pivoted support for said wheel including a crank arm, a link connected with said crank arm, a cam sector on said handle adjacent its pivot point and positioned in close proximity to said link, said sector and link having interconnecting members adapted to be disengaged in the normal position of said link, a foot operated lever having operative connection with said link to shift the same into and out of operative connection with said handle, a spring pressed pawl lever operatively connected with said foot lever and adapted to contact a toothed sector on said link and shift the same into operative connection with said handle in the movement of said foot lever in one direction, whereby said link may be shifted endwise by said handle to adjust the height of the cleaner nozzle through said wheel support, a fixed pawl on said casing and an auxiliary, toothed sector on said link coacting with said fixed pawl to hold said link in adjusted position when disengaged from said handle.

2,188,382
CONTROLLING AND SENSORY SYSTEM AND METHOD
Samuel E. Adair, Chicago, Ill., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware
Application November 20, 1937, Serial No. 175,643
7 Claims. (Cl. 179—100.4)



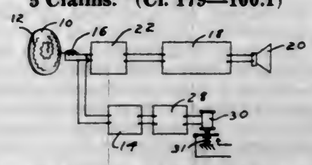
1. A controlling and sensory system comprising a pickup, means simultaneously to impress upon the pickup vibrations including a sensorial component and a high frequency actuating component modified by a low frequency, means operatively connected to the pickup to reproduce the sensorial component as a sensorial effect, relay means to operate a device, a filter connected to the pickup and so constructed and arranged as to pass only the high frequency actuating component, and a second filter connected to the first filter and the relay means and constructed and arranged to pass only the modulating frequency of the actuating component.

2,188,383
CONTROLLING AND SENSORY SYSTEM
Samuel E. Adair, Chicago, Ill., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware
Application November 20, 1937, Serial No. 175,644
6 Claims. (Cl. 179—100.4)



1. In a controlling and sensory system, a record having recorded thereon a sensory component, a control component modulating said sensory component throughout the greater part of said record, an unmodulated portion of said sensory component located at a predetermined point along said recording, means for converting said recorded components into electrical impulses, and means responsive to said impulses for instituting a control function upon the occurrence of said unmodulated portion of said sensory component.

2,188,384
RECORD AND METHOD OF MAKING THE SAME
Samuel E. Adair, Chicago, Ill., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware
Application November 20, 1937, Serial No. 175,646
5 Claims. (Cl. 179—100.1)



1. In a controlling and sensory system, a record comprising a composite sensory component and blocking component, said blocking component comprising a predetermined frequency added to said sensory component and being interrupted at spaced intervals, and means included in said system for inaugurating a control function upon interruption of said blocking component.

2,188,385
TYPEWRITING MACHINE KEY
Carleton F. Brown, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application January 31, 1938, Serial No. 187,811
3 Claims. (Cl. 197—102)

1. A thin and shape retaining typewriter key card of light weight comprising a concavo-con-

vex disk consisting of three thin and superimposed laminae permanently adhesively bonded face to face, the lamina at the concave side of the disk being a transparent lamina of cellulose acetate, the intermediate lamina being an opaque lamina of cellulose nitrate, the lamina at the con-



vex side of the disk being a lamina of stiff permanently formable sheet metal, such as sheet steel or sheet brass, one of said cellulose laminae bearing a key identifying indicium visible through and covered by the transparent lamina, the total thickness of the card being approximately .0275 inch.

2,188,386
SHEET MATERIAL HAVING CRYSTALLINE EFFECTS
Joseph H. Brown, Brooklyn, N. Y., assignor to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application June 7, 1935, Serial No. 25,419
15 Claims. (Cl. 154—2)

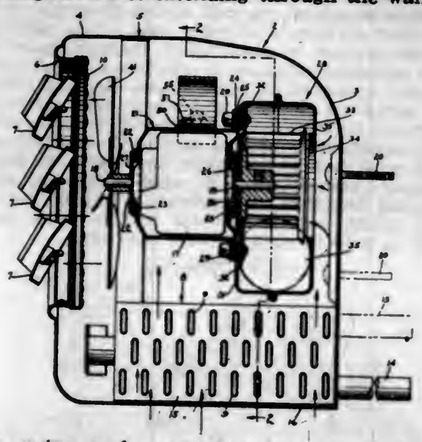
10. In a method of producing a crinkled sheet material containing cellulose acetate, the steps of laminating at least two sheets containing cellulose acetate with the aid of a cement, superimposing upon the laminated article a sheet of cellulosic material, roping the composite article, smoothing out the rope and stripping the cellulosic sheet from same.

2,188,387
SHEET MATERIAL HAVING CRYSTALLINE EFFECTS
Joseph H. Brown, Brooklyn, N. Y., assignor to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application November 22, 1935, Serial No. 51,085
11 Claims. (Cl. 154—2)

10. In a method of producing crinkled sheet material containing reconstituted or regenerated cellulose, the steps of laminating with the aid of a shellac at least two sheets having a thickness less than .02 inch formed of a reconstituted or regenerated cellulose, roping the laminated material, smoothing out said material and stripping the sheets from each other.

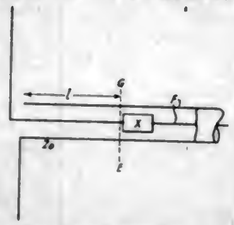
2,188,388
AUTOMOBILE HEATER AND DEFROSTER
Vernon J. Butterfield, Minneapolis, Minn., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn., a corporation of Delaware
Application May 5, 1937, Serial No. 140,986
10 Claims. (Cl. 257—137)

1. A device of the class described comprising a casing having air inlet and outlet openings, a radiator in the casing opposed to the inlet opening and an air propeller unit within the casing secured thereto independently of the radiator, said unit comprising a bracket having a motor secured therein, an air propeller at one side of said motor bracket operated by the motor, and a housing attached to said bracket and having therein an air propeller also operated by the motor, said housing having an air intake through which heated air from the radiator enters and having an outlet extending through the wall of



the casing, and means detachably securing the motor bracket to the casing.

2,188,389
ELECTRICAL HIGH FREQUENCY SIGNALING SYSTEM
Edward Cecil Cork, London, and Joseph Lade Pawsey, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company
Application November 13, 1936, Serial No. 110,652
In Great Britain November 21, 1935
8 Claims. (Cl. 250—33)

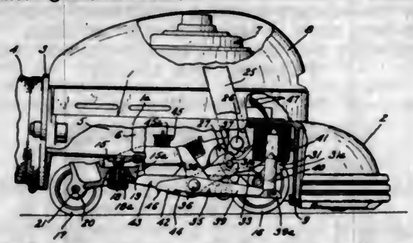


1. A short wave aerial system for transmitting a carrier wave modulated by signals covering a wide band of frequencies, comprising an aerial having a small effective reactance and a feeder coupling said aerial to a radio transmitter, said feeder having such a length and such electrical constants that it transforms the variations of radiation resistance of said aerial into variations of reactance, and means connected to said feeder for neutralizing or substantially reducing said variations of reactance.

2,188,390
SUCTION CLEANER
George P. Dalger, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 23, 1937, Serial No. 165,282
10 Claims. (Cl. 15—16)

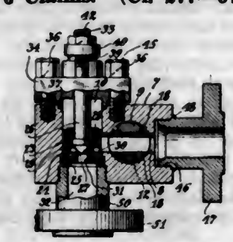
1. In a suction cleaner, the combination of a motor-driven suction-creating unit including a nozzle, a wheeled frame pivotally connected with said unit, adjusting mechanism for successively lowering said nozzle into contact with the floor covering and automatically elevating the same to a predetermined height above the surface of

said floor covering, and means operative by the starting current of the motor to actuate said adjusting mechanism.



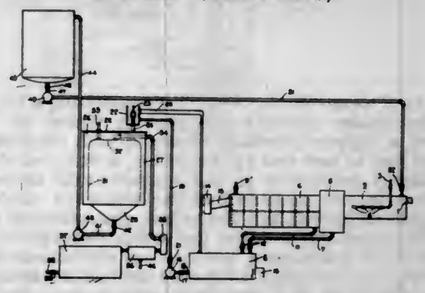
10. In a suction cleaner having a casing provided with a nozzle at its forward end and a fan chamber, a motor driven fan in said fan chamber, a wheeled carriage pivotally connected with the underside of said casing adjacent one end thereof, a ratchet lever carried by said carriage and having a cam supporting said casing adjacent the nozzle end thereof, an operating lever pivotally mounted on said carriage and having a spring pressed pawl normally engaging a toothed sector on said ratchet lever to hold the same against displacement, said operating lever being shiftable in one direction to disengage said pawl from said sector thereby dropping said nozzle into contact with the floor covering, tension means acting to return said operating lever to its normal position whereby said ratchet sector is re-engaged by said pawl to elevate said nozzle to a predetermined height above the surface of the floor covering, a solenoid mounted on the underside of said casing and having an endwise shiftable core operatively connected with said operating lever, said solenoid being electrically connected with said motor whereby the current supplied to said motor is available to energize said solenoid and actuate said operating lever in one direction, and a centrifugal switch in circuit with said solenoid and operatively connected with said motor whereby said solenoid is demagnetized upon the motor reaching a predetermined speed thus permitting said tension means to function to complete the nozzle adjusting operation.

2,188,391
BLOW-OFF VALVE
George P. Haynes, East Rockaway, N. Y.
Application June 6, 1936, Serial No. 83,856
3 Claims. (Cl. 277—37)



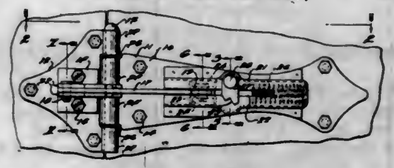
1. A blow-off valve comprising a unit housing having a valve chamber, an inlet passageway entering the housing from one side thereof and opening into said valve chamber, an outlet passageway exposed to atmospheric pressure leading from said valve chamber and out another side of said housing at an angle to said inlet passageway, a valve assembly disposed in said valve chamber and normally closing said outlet passageway comprising a main valve provided with a seat for establishing direct communication between said inlet and outlet passageways and an auxiliary valve cooperating with said main valve, said main valve having a passageway therethrough for the flow of pressure fluid and a valve seat against which said auxiliary valve seats, said auxiliary valve establishing direct communication between said inlet and outlet passageways independent of said main valve upon being moved from its seat and means exposing said auxiliary valve to the pressure in said inlet passageway to cause the velocity head of the medium under pressure to assist in the opening movement of said auxiliary valve.

2,188,392
PURIFICATION OF ORGANIC SUBSTITUTION DERIVATIVES OF CELLULOSE
Herbert E. Martin and Dorsey A. Ensor, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application June 7, 1938, Serial No. 212,280
11 Claims. (Cl. 260—230)



1. The method which comprises treating derivatives of cellulose selected from the group consisting of aliphatic acid esters of cellulose and cellulose ethers with a non-solvent liquid, separating the substantial part of the liquid from the said derivatives of cellulose, allowing the dispersed and suspended matter in the liquid to settle out as a sludge and adding the sludge to a relatively large quantity of said derivatives of cellulose in solution and precipitating said derivatives of cellulose with a liquid precipitating agent.

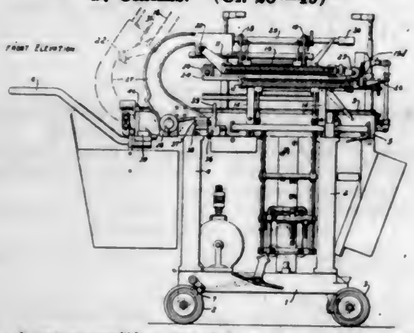
2,188,393
LATCH HINGE CONSTRUCTION
Otto Mueller, Dearborn, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 28, 1938, Serial No. 237,408
2 Claims. (Cl. 16—138)



1. The combination in a hinge, of a pair of hinge wings pivoted together, a bracket on one wing, an arm pivoted to said bracket, which arm has securing means on its opposite end, a housing on said other wing having a slot therein for receiving the said end of the arm, a latch pivotally disposed over said slot, said latch having means for engaging the securing means of said arm at a predetermined point in the angular position of said wings for locking the wings

in said position, and a spring in said housing for urging said securing means against said latch.

2,188,394
WARP-UNITING MACHINE
Martin N. Noling, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application May 4, 1935, Serial No. 19,799
17 Claims. (Cl. 28—49)



1. A warp-uniting machine comprising a bed, a mechanism carriage mounted to travel on the bed, a support pivotally mounted with relation to the bed at one end of the latter, a warp carriage slidably connected to the support, said support, when in one position, holding the warp carriage in operative relation to the bed, and, when in another position, holding the warp carriage in an elevated withdrawn position, a spring-actuated latch bolt coacting with said support to latch it in either of said positions, and a cam on the mechanism carriage to withdraw the bolt.

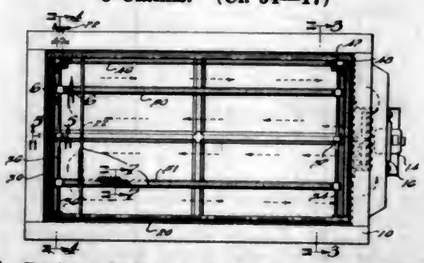
2,188,395
LAMINATED SAFETY GLASS
Joseph D. Ryan and George B. Watkins, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application June 13, 1934, Serial No. 730,464
7 Claims. (Cl. 49—92)

1. Laminated safety glass comprising two sheets of glass and an interposed layer of tough, transparent, partially hydrolyzed cellulose mixed ester plastic, which in itself lacks adherence toward glass surfaces, bonded to said glass sheets with an adhesive formed from some of the same cellulose mixed ester as that comprising the plastic sheet and which has been further hydrolyzed to render it adherent toward glass surfaces.

2,188,396
METHOD OF PREPARING POLYVINYL HALIDE PRODUCTS
Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 20, 1937, Serial No. 126,939
6 Claims. (Cl. 18—55)

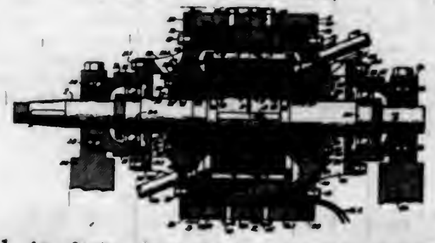
6. The method of preparing a resilient, rubber-like, molded product which comprises forming a paste by mixing at room temperature finely-ground polyvinyl chloride with a composition which will dissolve the polyvinyl chloride only at temperatures considerably above room temperature, placing the paste in a mold, heating until the polyvinyl chloride has dissolved, and causing the molded article to gel by cooling it.

2,188,397
CURTAIN DRYING APPARATUS
Edward L. Waterhouse, Detroit, Mich., assignor to Waterhouse Laundry Machinery Company, Detroit, Mich., a corporation of Michigan
Application November 15, 1937, Serial No. 174,531
8 Claims. (Cl. 34—17)



1. Curtain drying apparatus including in combination a drying housing, a curtain drying frame pivotally mounted with respect to said housing and adapted to alternately expose opposite sides of said frame to the interior of the housing, said frame having a set of adjustably mounted curtain supporting members on each of the opposite sides thereof, a shaft associated with each of said sets of curtain supporting members serving to effect adjustment thereof, a shaft journalled in said housing adapted to selectively engage one or the other of said shafts to adjust said curtain supporting members.

2,188,398
ABSORPTION DYNAMOMETER
Ernest Bernard, Chicago, Ill.
Application August 10, 1938, Serial No. 224,038
8 Claims. (Cl. 188—164)

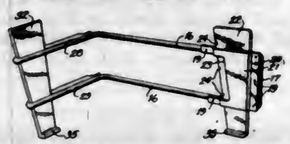


1. An electro-dynamic dynamometer comprising a stator, an armature rotatably housed within said stator and arranged to generate power to the armature itself, and means to circulate currents the circuit for which is wholly confined a cooling liquid through said stator to dissipate heat produced in the rotor body by said power currents, said stator comprising an annular field magnet frame, a plurality of radial angularly-spaced pole pieces carried by said frame, and fluid-tight means within said frame arranged to enclose said pole pieces whereby the ends only thereof may be contacted by said cooling liquid.

2,188,399
ELECTRIC RESISTANCE ELEMENT
Clarence George Bieber, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 5, 1936, Serial No. 109,307
2 Claims. (Cl. 201—76)

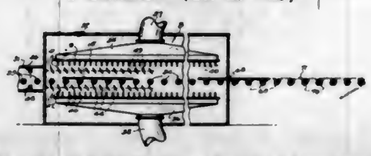
1. As a new article of manufacture, a composite electrical resistance heating unit comprising a core constituted of a nickel-chromium alloy, an outer layer of chromium enveloping said core, an intermediate layer of nickel, and diffusion zones between the outer layer and the nickel layer and between the nickel layer and the core intimately bonding the layers with each other and with the core, said chromium layer being substantially more resistant to failure at temperatures in excess of 2200° F. than said core.

2,188,400
LINER CLAMP FOR PANEL FORM WALLS
George B. Bosco, Chicago, Ill.
Application December 13, 1937, Serial No. 179,383
7 Claims. (Cl. 24—68)



1. A form liner clamp, comprising a U-shaped member adapted to straddle a liner and having anchoring means on the free ends of its two legs, a socket member rigidly secured to and crosswise of the two legs of said U-shaped member at the bight end of the latter and having a wedge-shaped recess, and a wedge adapted to be driven into said recess in engaging relation with said socket member, with an edge of said wedge adapted to bear on said liner.

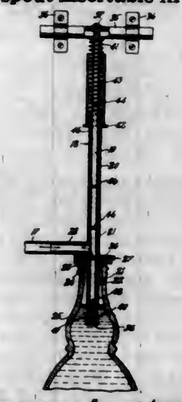
2,188,401
APPARATUS FOR TEMPERING GLASS
Thomas R. Crowley, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 15, 1937, Serial No. 148,332
8 Claims. (Cl. 49—45)



1. In apparatus for use in the tempering of sheet glass wherein the sheet is first heated to substantially the point of softening of the glass and then suddenly cooled, means for supporting and carrying the heated sheet forwardly, means disposed at opposite sides of the path of travel of the sheet for cooling the said sheet during the forward travel thereof, means also disposed at opposite sides of the path of travel of said sheet for shielding the same from the action of the cooling means until the said sheet is in a predetermined position with respect to said cooling means, and means actuated by the forward travel of the sheet for moving said shielding means into inoperative position when said sheet is in proper position for cooling.

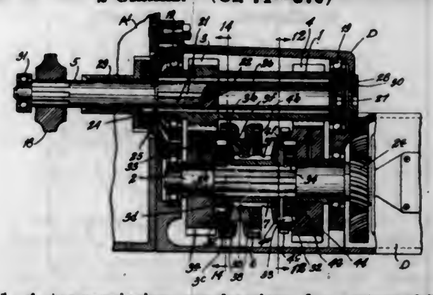
2,188,402
BOTTLE FILLER
Louis Feis, Brooklyn, N. Y.
Application January 27, 1938, Serial No. 187,137
1 Claim. (Cl. 226—124)

A bottle filler comprising in combination with a liquid reservoir in which is established a pressure head level, a bottle filling nozzle associated therewith and providing a vent tube vertically positioned and pivotally hung at its upper end above the pressure head level in the reservoir and providing a vent orifice in said vent tube above the said pressure head level in the reservoir, an outer tube around the said vent tube and extending above said pressure head level, said outer tube having a liquid inlet below the said pressure head level of the reservoir and having a connection entirely below the liquid level in the reservoir connecting said reservoir and outer tube below the said pressure head level for obtaining gravity flow of the liquid from the said reservoir to the said outer tube, said vent tube and outer tube providing a spout insertable in a bottle neck,



said spout having means for automatically stopping the gravity flow of liquid when the liquid level in the bottle reaches a predetermined level below the top of the bottle, said connection comprising a resilient tube for both conducting the liquid and for effecting the outward swinging force on said tubes, said means for automatically stopping gravity liquid flow comprising a vent tube opening in the vent tube at the bottom of the outer tube, said vent being ultimately closed by the liquid reaching the said predetermined level, and said tubes providing a valve automatically stopping flow of liquid as the tubes and bottle are separated and before entire separation has been effected.

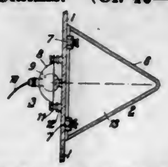
2,188,403
VARIABLE SPEED TRANSMISSION MECHANISM FOR AUTOMOBILES AND THE LIKE
Frank D. Frisby, St. Louis, Mo.
Application October 24, 1936, Serial No. 107,308
2 Claims. (Cl. 74—370)



1. A transmission mechanism for automobiles and the like, comprising a case, a hollow top shaft in said case driven from the power unit of the automobile, bearings in the case for said top shaft, an extensible portion on said shaft adapted to be used to carry the friction elements

of a clutch and constructed so as to be capable of being withdrawn from said friction elements and moved into said hollow shaft without disturbing said shaft bearings, a bottom shaft mounted in said case below said top shaft, and means for driving said bottom shaft from said top shaft.

2,188,404
LUMINOUS SIGN
Karl Georg Hengel, Berlin, Germany
Application August 18, 1937, Serial No. 159,666
In Germany November 26, 1935
7 Claims. (Cl. 40—130)

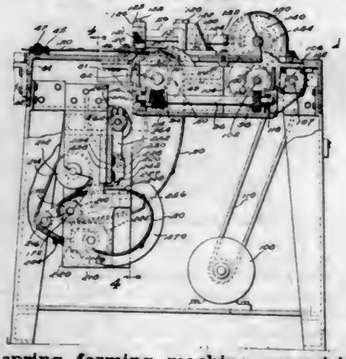


2. The combination with a luminous out-door advertising sign comprising an illuminating unit adapted to be mounted upon the face of a display window, of a separate sign unit being constituted by a box-like structure of stiff paper having an open rear side and translucent lateral display sides, and means for mounting said structure upon the face of a window pane with its rear side adjacent to and with its display sides projecting outwardly from said window pane, said illuminating and display units being adapted to collectively form a luminous transparency sign by mounting the same in cooperative relation upon the inner and outer face, respectively, of a display window.

2,188,405
MOLYBDENUM ALLOYS
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application February 11, 1939, Serial No. 255,871
2 Claims. (Cl. 75—176)

1. An alloy formed of .01 to 1% osmium and the balance substantially all molybdenum.

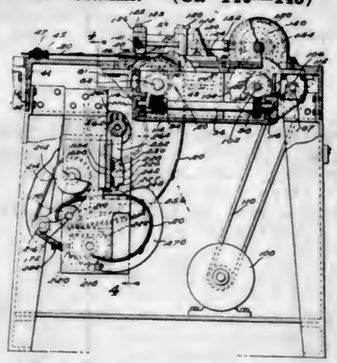
2,188,406
MACHINE FOR FORMING SPRINGS
Frank J. Horton, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application August 12, 1935, Serial No. 35,705
11 Claims. (Cl. 153—2)



1. A spring forming machine comprising, in combination, a first forming element operable to form a longitudinal arch of predetermined diameter in spring stock, a second forming element operable to modify said longitudinal arch, means for operating said first and second elements in timed relation, and cutting off means operable in timed relation to said forming elements and positioned to cut said stock into sections of predetermined length after it is acted upon by said second forming element.

5. A spring forming machine for forming a succession of sinuous, lateral turns and a longitudinal arch in spring stock comprising a pair of alternately movable folding arms for forming said turns, an intermittently operable rotary member associated with said arms for retaining the said turns in said stock, and means for retaining said turned stock in peripheral engagement with said member to introduce a longitudinal arch therein.

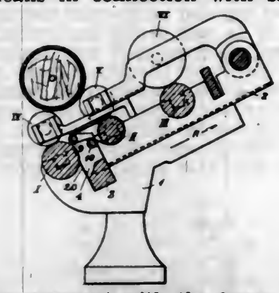
2,188,407
MACHINE FOR FORMING SPRINGS
Frank J. Horton, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Original application August 12, 1935, Serial No. 35,705. Divided and this application January 12, 1939, Serial No. 250,612
11 Claims. (Cl. 140—145)



1. A spring forming machine comprising, in combination, a cutter head, means for feeding wire in step by step fashion to said cutter head and means for actuating said cutter head in timed relation to said step by step movement, each said actuation of said cutter head occurring between successive advancing movements of said stock.

2,188,408
PASSAGE TYPE DRAWING FRAME FOR SPINNING FIBERS OF VARIOUS STAPLE DIMENSIONS
Hermann Kluftinger, Augsburg, Germany
Application February 24, 1937, Serial No. 127,386
In Germany February 8, 1936
14 Claims. (Cl. 19—131)

1. In a drawing frame for spinning fibers, the combination of two roller stands in parallel arrangement, drawing means including a lower drawing roller, a lower driving roller, a feeding belt passing around said driving roller, a feeding roller cooperating with the upper run of said belt, a member comprising a bar-like main portion and two end portions, said end portions being removably mounted in said roller stands respectively between said lower drawing roller and said lower driving roller, means in connection with said end portions for guiding said belt in operative relation to said lower drawing roller, and other means in connection with said member



and in engagement with the lower run of said belt for deflecting said belt to increase its arc of engagement with said driving roller.

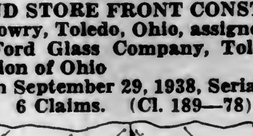
2,188,409
WIRE LINE PIPE CUTTER
Edward K. Lane, Houston, Tex.
Application February 18, 1937, Serial No. 126,347
4 Claims. (Cl. 164—0.7)



1. A cutter for pipe in wells, including a shaft adapted to be supported by a cable, an anchor sleeve slidable but nonrotatable on said shaft, means responsive to an upward jerk on said shaft to anchor said sleeve in the pipe to be cut, a cutter head rotatably supported on said anchor sleeve, a coarse spiral groove in said shaft, means on said head interfitting in said groove to impart rotative movement to said head as said shaft is moved longitudinally relative to said head, cutters movable outwardly in said head, an upwardly tapered mandrel in said head engaging said cutters to move them, and means operable by the rotation of said head to move said mandrel upwardly.

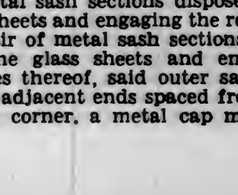
2,188,410
ELECTRON MULTIPLIER
Alfred Aubyn Linsell, Sydenham, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1937, Serial No. 166,491
In Great Britain October 26, 1936
6 Claims. (Cl. 250—175)

1. An electron multiplier comprising a primary cathode, an output anode, a pair of opposed electrodes on opposite sides of the path of the electron stream from said cathode to said anode, one of said electrodes comprising a metal sheet positioned to intercept said stream and having a coating of high secondary electron emissivity



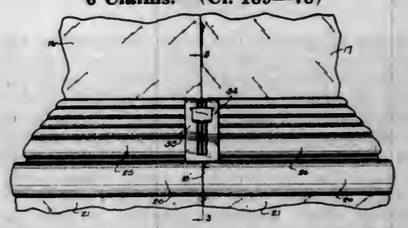
smaller than said metal sheet and of substantially the size of the cross-section of said electron stream to said electrode at the critical accelerating voltage at which maximum output of the multiplier occurs.

2,188,411
VERTICAL BAR ANCHORING MEANS
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 14, 1937, Serial No. 168,932
3 Claims. (Cl. 189—78)



1. An anchor member for securing vertical bars in sash and store front constructions, comprising a substantially L-shaped bracket including a horizontal base adapted for rigid attachment to a supporting structure and a vertical leg, a supporting element comprising a vertical channel member secured to the outer face of said vertical leg and adapted to be received within the vertical bar, the spaced legs of said channel member being provided at their outer ends and upon the outer faces thereof with longitudinally extending ribs which are slidable within vertical guideways formed in said vertical bar.

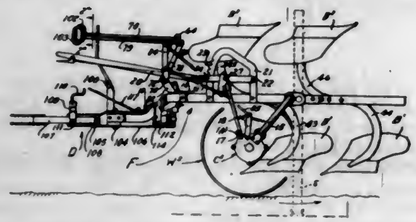
2,188,412
SASH AND STORE FRONT CONSTRUCTION
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 29, 1938, Serial No. 232,383
6 Claims. (Cl. 189—78)



1. In combination in a sash or store front construction having a pair of glass sheets disposed at an angle to one another to form a corner, a pair of metal sash sections disposed inwardly of the glass sheets and engaging the rear surfaces thereof, a pair of metal sash sections lying outwardly of the glass sheets and engaging the front surfaces thereof, said outer sash sections having their adjacent ends spaced from one another at the corner, a metal cap member dis-

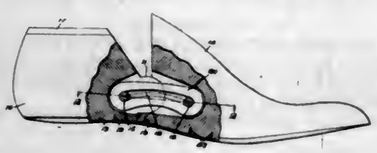
posed between the spaced ends of said outer sash sections comprising a front wall, a substantially horizontal top wall and parallel side walls abutting the adjacent ends of the said outer sash sections, and means for securing said cap member to said inner sash sections.

2,188,413
PLOW
John M. Markel, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application June 7, 1937, Serial No. 146,840
30 Claims. (Cl. 97—72)



1. In a plow the combination of a main frame, a plurality of plow bottoms arranged for alternate operation, a supplemental frame for supporting said bottoms from the main frame for such alternate operation, a draw-bar pivoted to the main frame for sidewise movement to compensate for the side draft of the plow, means for latching the draw-bar in its sidewardly adjusted positions, and control means for the latching means arranged to be actuated by movements of the supplemental frame to release the draw-bar from one or the other of its latch engagements according to the position of said means.

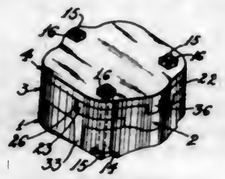
2,188,414
HINGED LAST
Alexander W. McNeill, Lynn, Mass.
Application May 11, 1939, Serial No. 273,022
5 Claims. (Cl. 12—136)



1. An improved last comprising heel and toe parts having interfitting curved surfaces shaped to permit relative rotation of the parts about a fixed axis, a last hinge link including a closed flexible body having continuous side members curved unequally and separated by a curved slot, and a pair of anchor pins disposed transversely through the toe and heel parts respectively and passing through said closed body and so located that in their normal position a line passing through their centers falls to one side of the axis of rotation of the parts of the last.

2,188,415
DENTAL FLASK
Otto C. Malsch, Pittsburgh, Pa.
Application November 10, 1938, Serial No. 239,829
2 Claims. (Cl. 18—33)

1. In a dental flask, a cup-shaped base having at the top of its peripheral wall a front and rear outwardly flaring depression; a cover; a front intermediate section comprising a central apron having a level top and an arcuate flaring bottom adapted to fit in said front depression; lateral arms disposed symmetrically and integral with said apron, flush with the top thereof and level at the bottom; a rear intermediate section comprising a central apron having a level top and an arcuate flaring bottom adapted to fit in said rear depression, lateral arms disposed symmetrically and integral with said apron, flush with the top



thereof and level at the bottom; the arms of said intermediate sections being partly rabbeted and disposed in partly overlapping relation; interengaging means provided in said cover, intermediate sections and base to hold said flask in assembled condition; the arms of said front intermediate section being partly recessed outwardly at the ends to permit the insertions of means whereby said section may be removed laterally and in a purely horizontal direction independently of said rear intermediate section and base.

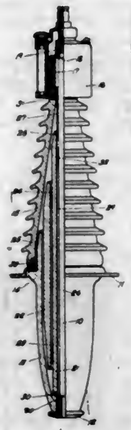
2,188,416
PROCESS FOR RAPIDLY OBTAINING STEELS OF HIGH PURITY
René Perrin, Paris, France, assignor to Societe d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
No Drawing. Application March 13, 1939, Serial No. 261,662. In France March 30, 1938
16 Claims. (Cl. 75—46)

1. Process for obtaining particularly pure steel at good pouring temperature, comprising the phases of dephosphorisation of the steel, transfer of the steel into a basic converter which is not substantially contaminated by phosphorus-containing slag and having a lining which is not substantially impregnated with phosphorus-containing slag, addition to the steel of a substance readily oxidisable by air, whose oxide has an elevated heat of formation and which is in a quantity which is not prejudicial in the steel at the end of the operation, and blowing of short duration in the said basic converter.

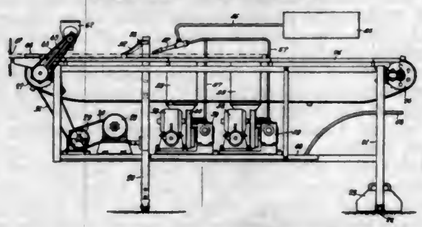
2,188,417
BUSHING INSULATOR
Harold L. Rorden, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 4, 1938, Serial No. 188,691
7 Claims. (Cl. 174—12)

3. In a bushing insulator, a dielectric housing, a conductor extending through said housing, the space within said housing being closed against escape of liquid through the bottom of said housing, an expansion chamber at one end of said housing, and a tube surrounding said conductor and communicating at one end with said expansion chamber and at the other end with the space within said housing outside of said tube for preventing direct passage of insulating liquid

from said expansion chamber to the space within said housing outside of said tube, said space having outer and inner walls insulated from each other.



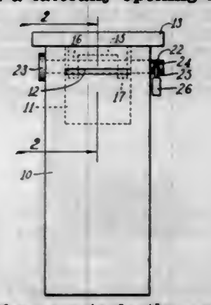
2,188,418
APPARATUS FOR MAKING BARS OF ICE CREAM OR THE LIKE
Almond C. Routh, Sandusky, Ohio
Application July 22, 1936, Serial No. 91,889
3 Claims. (Cl. 107—20)



1. An apparatus for continuously making a series of separate bars of frozen comestible of form retaining hardness from a continuous bar extruded from a substantially horizontally directed nozzle, said apparatus including a portable frame having a conveyer mounted thereon, said conveyer having a series of flights and having a substantially horizontal run adapted to be disposed in substantial parallelism with said nozzle, a series of removable trays each supported by two of the flights and each flight serving to support the closely juxtaposed ends of two aligned trays, means for driving said conveyer at a rate substantially equal to the rate of extrusion of the continuous bar and directly onto the series of trays, and means for pressing downwardly the portion of the continuous bar looping over the ends of the trays to sever said continuous bar into sections in said trays.

2,188,419
CONDOLENCE RECEPTACLE
Raymond H. Saviteer, Meriden, Conn.
Application August 3, 1938, Serial No. 222,843
2 Claims. (Cl. 72—7.2)

2. A grave stone or marker having a solid portion and a hollow portion providing a receptacle opening upwardly through the top thereof, said latter portion standing above the ground, a cover for said opening designed to overlie the side walls of the receptacle, means for locking said cover in place, and a laterally opening slot communicating with the receptacle through one of said side walls.



2,188,420
RUBBER VULCANIZATION
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 13, 1937, Serial No. 168,753
15 Claims. (Cl. 260—787)

1. The process which comprises vulcanizing rubber in the presence of an organic accelerator and a quaternary ammonium salt of an aliphatic monocarboxylic acid.

2,188,421
PILLOW
Kenneth L. Wade, New York, N. Y.
Application January 18, 1938, Serial No. 185,477
2 Claims. (Cl. 5—327)

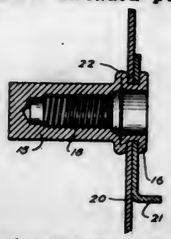


2. The combination in a back-supporting cushion of a rigid border frame, and a pillow member having an outline substantially that of said frame and provided with two pockets in its casing, one of said pockets holding said frame under tension and other said pocket containing suitable cushioning material substantially as described.

2,188,422
FLUID-TIGHT ATTACHMENT AND TUBULAR RIVET THEREFOR
Harry E. Waner, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 9, 1937, Serial No. 147,218
6 Claims. (Cl. 85—40)

3. A water-tight attachment assembly for a wall provided with an aperture, said assembly comprising an element for mounting detachably

on the wall, a tubular rivet adapted to be seated in the aperture of the wall and having a flange for disposition at the front face of the wall, a completely closed portion at the other end of the rivet, an intermediate, outwardly collapsed portion for disposition at the rear face of said wall, an internally screw threaded portion, a screw



member for engaging the threaded portion of the rivet and detachably holding said element against the front face of the flange of the rivet, the flange having a key thereon of less radial extent than the flange to seat in a slot in the wall to permit the flange to seal radially outward of the key and slot.

2,188,423
METHOD OF MAKING A COMMUTATOR
George E. Andrews, Ansonia, Conn.
Application July 9, 1938, Serial No. 218,319
2 Claims. (Cl. 29—155.54)



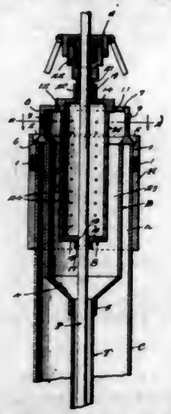
1. The method of making a commutator comprising providing a short tubular element of wrought conducting material having circumferentially spaced longitudinal ribs of substantially uniform thickness on its inner surface integral therewith along their outer longitudinal edges, cutting each of said ribs transversely intermediate its ends to provide it with a pair of spaced opposed surface portions inclined in opposite directions so they are spaced farther at their outer than their inner edges, molding a hub of insulating material into said tubular element with portions of the hub entering and filling the spaces between the opposed surfaces of said ribs, and then slitting said element longitudinally between said ribs to divide the element into a plurality of spaced segments.

2,188,424
SUPPORT AND SPACER FOR CONCRETE REINFORCEMENTS
William Powell Awbrey, Kansas City, Mo.
Application May 7, 1938, Serial No. 206,681
5 Claims. (Cl. 72—122)



2. A support and spacer for concrete reinforcing bars comprising a continuous wire formed to present a series of V-shaped portions, adjacent V-shaped portions being disposed in different planes and alternate portions being in a common plane; and means for supporting said wire in a raised position above a building form surface.

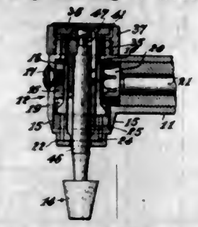
2,188,425
PUMP TRAP
Charles E. Black, Hamilton, Kans.
Application October 20, 1938, Serial No. 236,083
4 Claims. (Cl. 103—202)



2. A trap for the polish rod of a pump comprising a tubular member to extend within the pump casing, a head disposed over the upper end of said tubular member, the portion of said member within the pump casing being of a diameter less than the internal diameter of the adjacent portion of the casing to provide a space for the free flow of gas to the conventional gas outlet openings, means carried by the inserted end portion of the member for coupling to well tubing, a second tubular member extending within the first tubular member through the head thereof, means for attaching the upper portion of the second tubular member to said head to suspend said second tubular member from the head, said second tubular member having its opposite ends closed, the polish rod having movement through said second tubular member, said second tubular member being of a diameter less than the internal diameter of the first member, said first member having an oil outlet opening in communication with said space between the two members, and a stuffing box for the polish rod carried by the upper closed end of the second member, said second member being provided with openings in the wall thereof.

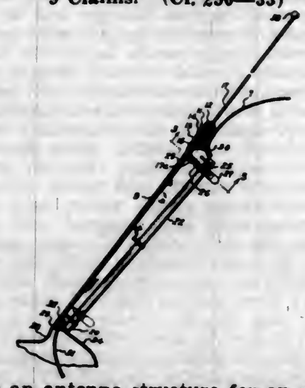
2,188,426
DENTAL HAND PIECE
James H. Blair, Staten Island, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application December 14, 1937, Serial No. 179,661
5 Claims. (Cl. 32—27)

1. A dental hand piece comprising: a barrel having a free end, a tool head secured to the free end of the barrel and positioned crosswise thereof, a power driven contractible tool-gripping sleeve within the tool head operable to grip the shank of a tool adjacent to both ends of the tool head, the tool projecting from one end of the tool head, and means positioned at the opposite end of the tool head to control contraction and expansion of the tool-gripping sleeve, said means comprising a nut rotating with the tool when the same is in use and a cap holding the nut captive therein independently of the assembly of the cap and nut on the tool head, the cap having limited axial movement relative to the nut and the nut and cap having interengaging formations preventing accidental removal of the cap from the tool head, the cap having a wrench formation



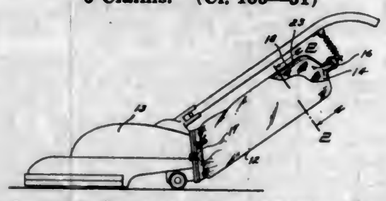
which operatively engages the nut when the cap is in one axial position whereby the cap may be used as a wrench to manipulate the nut, and the cap also having an annular space in which the nut may freely rotate when the cap is in another axial position whereby the cap acts as a protective inclosure for the nut when the tool is in use.

2,188,427
AUTOMOTIVE ANTENNA EQUIPMENT
Roger M. Daugherty, Cincinnati, Ohio, and William H. Myers, Detroit, Mich., assignors to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application July 18, 1938, Serial No. 219,690
9 Claims. (Cl. 250—33)



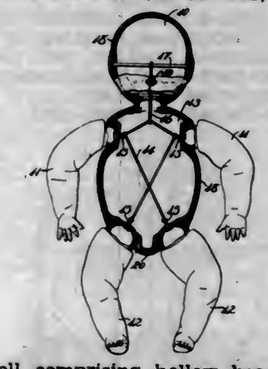
1. As an antenna structure for an automotive vehicle, a mullion for a windshield electrically insulated from metallic parts of said vehicle, an antenna rod slidable in said mullion, and means operable from within the vehicle for sliding said antenna rod.

2,188,428
AUXILIARY BAG FOR VACUUM CLEANERS
Maud E. Evans, Detroit, Mich.
Application September 19, 1939, Serial No. 295,635
6 Claims. (Cl. 183—51)



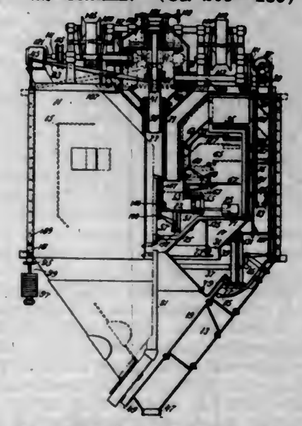
6. A cover for a vacuum sweeper filter bag comprising a sheet of material, perforated, and treated with a tacky germicidal substance throughout substantially all of its inside area, there being spacers positioned on the inside of said sheet, adapted to cooperate with the said sheet and said filter bag to prevent the tacky germicidal substance from coming in contact with the said filter bag.

2,188,429
DOLL
Frank Fenton, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 11, 1938, Serial No. 207,219
3 Claims. (Cl. 46—141)



1. A doll comprising hollow head and body portions having registering openings, said head portion having another opening for the admission of a liquid, said body portion having another opening for the emission of a liquid, and the inside edge of the bearing surfaces between said head and body portions being exposed to the liquid, each of said body and head portions being made of molded, inflexible fibrous material subject to injury by contact with the liquid and covered inside and out with a continuous film of rubber.

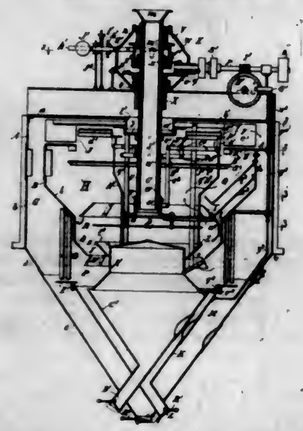
2,188,430
AIR OR CURRENT SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Application January 10, 1935, Serial No. 1,173
Renewed July 18, 1939
22 Claims. (Cl. 209—139)



18. In a current separator comprising, a

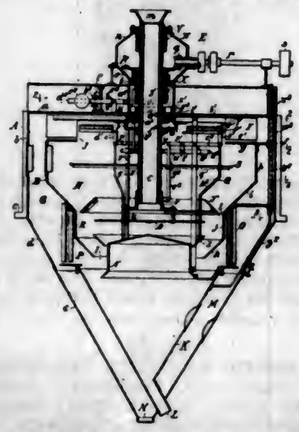
settling chamber, a separating chamber therein having a lower current inlet and an upper current outlet, a fan above and in communication with said outlet, a rotary distributor plate in said separating chamber, and a rotary ring of radially slidable segments in said separating chamber; the combination therewith of non-rotary adjustment means externally mounted on said separator, a shaft rotatably carried by said adjustment means and rotating said ring of segments, and connections between said shaft and said segments constructed and arranged to cause radial movement of said segments when the position of said shaft is changed by said adjustment means.

2,188,431
AIR AND OTHER SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Original application April 20, 1932, Serial No. 606,407. Divided and this application December 20, 1935, Serial No. 55,423
7 Claims. (Cl. 209—139)



1. In a separator comprising, a casing enclosing a current passage, a casing enclosing a separating chamber having a lower current inlet and an upper current outlet in communication with said passage, supply means having an outlet orifice within said separating chamber at a level materially lower than said outlet, supplying material to be separated in said upward passage, current circulation means in communication with said upward passage, upflowing a separating current therethrough, weight responsive material sustenance distribution means within said upward passage, sustaining and distributing therein said material, and weight responsively movable with variations in the weight of said material sustained by said distribution means, varying the zone of said distribution with variations in said weight, comprising a distributor member below said orifice, defining said zone, movable current space variation means in communication with one of said passages, defining the space past said variation means through which said current may flow, and varying said space and the velocity of said current, and support means supporting said parts; the combination therewith of simultaneous adjustment means common to said distribution means and said space variation means, simultaneously adjusting one from the other of said movable parts, in operative relation to each of said movable parts, and constructed and arranged to adjust said space variation means from said distribution means simultaneously with said weight responsive movement of the latter.

2,188,432
AIR AND OTHER SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Application July 29, 1936, Serial No. 93,210
15 Claims. (Cl. 209—139)

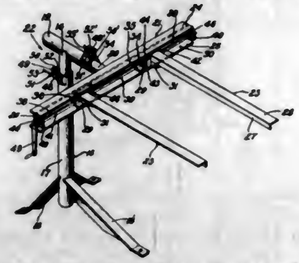


1. In a separator comprising, a casing enclosing a current passage, a casing enclosing a separating chamber having a lower current inlet and an upward current passage and an upper current outlet in communication with said passage, material supply means supplying material to be separated in said upward passage, rotary blower means in communication with said upward passage, and circulating a separating current therethrough, for the separation of said material therein, comprising spoke means extended above said separating chamber and fan blades above and around said outlet, rotary and movable distribution means within said upward passage, distributing said material, and varying the zone of said distribution, a rotary and movable valve in communication with one of said passages, defining the space through which said current may flow, and varying said space and the velocity of said current, rotary shaft means in operative relation to and rotating said rotary parts, adjustment means adjusting said movable parts, and support means for said parts, said adjustment means including a member movable relatively to said shaft means and carried by said blower means and connected to said distribution means and to said valve, and constructed and arranged to simultaneously move said distribution means and said valve in response to and coincidently with movement of said adjustment means.

2,188,433
WORK HOLDING DEVICE
Kurt P. Friese, Norwalk, Conn.
Application June 9, 1937, Serial No. 147,180
3 Claims. (Cl. 29—89)

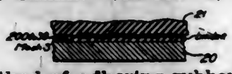
1. A work holding apparatus comprising in combination a vertical standard and a work-holding support solely supported by the upper end of said standard; said support including a holding frame consisting of an I-shaped member presenting U-shaped channels on two sides thereof with an elongated slot in the web; means for mounting said support for compound adjustment on top of said standard; a pair of holding arms

having their ends tightly nesting in one of said U-shaped channels to be supported by and slidable in said channel; means connected to each of said ends extending through said elongated



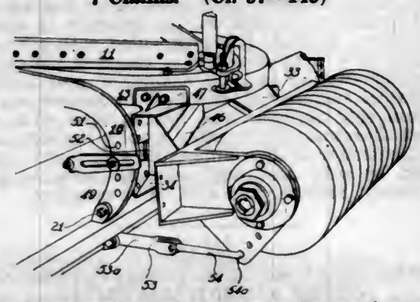
slot and guided in the other U-shaped channel of the I-member for holding said ends to said I-shaped member; and driving means associated with said ends for moving said holding arms laterally relatively to each other.

2,188,434
METHOD FOR ADHERING RUBBER TO METAL
Hershel W. Grinter, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 9, 1936, Serial No. 100,035
7 Claims. (Cl. 154—2)



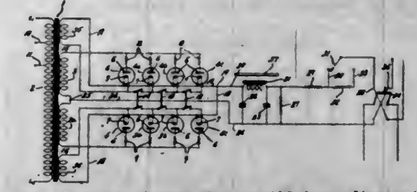
6. In a method of adhering rubber to a member of the class of metals consisting of brass, copper, and cobalt the step which consists in making available at the interface between the rubber and metal prior to vulcanization sulfur which will not pass a 200 mesh screen but will pass a 30 mesh screen.

2,188,435
DISKING DEVICE
Fred M. Hargrave, Cedar Rapids, Iowa
Application November 23, 1936, Serial No. 112,201
7 Claims. (Cl. 37—145)



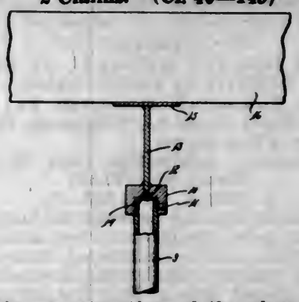
1. On a motor patrol, an earth moving and working device including a supporting structure, a mold board mounted on the supporting structure, a disking unit comprising a yoke member having end plates at either end thereof, the yoke member being adapted to carry the shaft of the disking device, the yoke member being provided with means for pivotally attaching it to the supporting structure and means for connecting the side portions of the end plates to the mold board, whereby the disking unit may be supported in a plurality of positions.

2,188,436
ALTERNATING CURRENT RECTIFYING CIRCUIT
Neil Carlton Hugus, Jackson, Mich., assignor to Argus Manufacturing Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 7, 1937, Serial No. 135,371
10 Claims. (Cl. 175—363)



1. An electric circuit for rectifying alternating current in which rectified current having a comparatively low voltage and a high amperage is obtained, comprising a source of alternating current, a transformer, a center tapped secondary winding, a gas filled rectifier tube of the diode type connected to one terminal of the secondary winding, a similar gas filled rectifier tube being connected to the other terminal of the secondary winding, and a resistor in series with each tube, said resistors being of such a value that substantially the same amount of current is passed through each tube, and means for uniting the direct current pulsations.

2,188,437
SIGN CONSTRUCTION
Luke W. Joyce, River Rouge, Mich.
Application October 24, 1938, Serial No. 236,630
2 Claims. (Cl. 40—145)

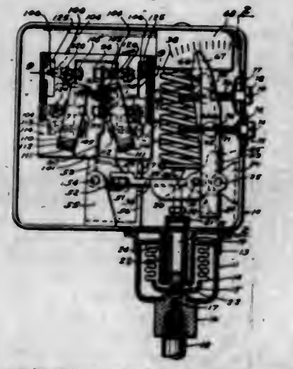


1. A sign construction of the class described, comprising: a supporting post having a threaded portion on its upper end; a cup-shaped cap threadable on said upper end, said cap having a diametrically extending slot formed through its base and extending into its side walls; a sign board positioned in said slot and projecting beyond the inner face of the base of said cup-shaped cap and welded thereto; a securing plate mounted on the upper edge of said sign board; and an additional sign board resting upon the upper face of said securing plate and secured thereto and extending angularly to said first-mentioned sign board.

2,188,438
SWITCHING MECHANISM
Albert L. Judson and Carl G. Kronmiller, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 7, 1937, Serial No. 141,300
14 Claims. (Cl. 200—67)

13. A contact structure for use in a switching

mechanism comprising in combination, an operating arm, a contact carrying member pivotally secured to said arm, a contact carried by an extremity of said member, and spring means carried by said arm on each side of said member for normally holding said member in substantial alignment with said arm but yieldable to permit pivotal movement of said member when a force is exerted on said contact.



14. In a switching mechanism, in combination, a casing, a stationary contact mounted within said casing, a second contact mounted for movement into and out of engagement with said stationary contact, an opening in said casing providing access to said contacts, a cover for said casing closing said opening and thereby preventing access to said contacts, circuit connections to said contacts, and means for breaking the circuit to said contacts as a direct result of the removal of said cover.

2,188,439
PROCESS FOR THE REMOVAL OF FOREIGN PARTICLES FROM GASES
George M. Kirkpatrick, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
No Drawing. Application June 30, 1938, Serial No. 216,847
6 Claims. (Cl. 252—1)

2. A process for the removal of foreign particles from gases which comprises bringing the particle laden gas to be treated into intimate contact at temperatures within the normal atmospheric range with a fluid consisting essentially of a mixture of an oil and a viscosity modifier of the group dibutyl phthalate, diamyl phthalate, diethyl phthalate, dibutyltartrate, triphenyl phosphate, octyl acetate, "Carbitol" acetate, the mixture being substantially non-volatile below 130° F. and having a viscosity of the order of 30 to 60 seconds Saybolt at 100° F.

6. A fluid for the removal of foreign particles from gases consisting essentially of a mixture of two liquids, each relatively non-volatile at ordinary temperatures but of different viscosity, the mixture being substantially non-volatile below 130° F. and having a viscosity of the order of 30 to 60 seconds Saybolt at 100° F., and octyl alcohol.

2,188,440
OVERSHOE
Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 29, 1939, Serial No. 292,452
5 Claims. (Cl. 36—7.3)

1. An article of footwear comprising a quarter portion having a forward margin and a vamp overlying said portion, said vamp being transversely slitted and the forward margin of the quarter extending through the slit in the vamp and being secured thereto at the slitted portion.



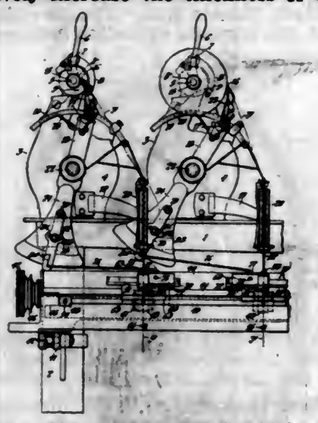
2,188,441
AIR VALVE
Alonzo H. Magee, Westfield, N. J.
Application July 24, 1935, Serial No. 32,958
Renewed June 26, 1939
10 Claims. (Cl. 236—62)



1. In an air valve, in combination with a casing provided with an air outlet passage, a valve member adapted to open and close said passage, an inverted bell-type float member attached to said valve member and adapted to entrap air and operate as a float in the presence of water, said valve member being provided with a recess within said float member, a recessed abutment member carried by said casing, a post having spherical surfaces of engagement loosely seated within said recesses and having play with respect thereto and extending axially through said float member, and a bimetallic thermostat centered by said post and reacting between said abutment member and said valve member.

2,188,442
APPARATUS FOR CONDITIONING YARN AND OTHER STRAND MATERIALS
David E. Mills, Warwick, and George N. Taylor, East Providence, R. I., assignors to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application December 10, 1936, Serial No. 115,230
15 Claims. (Cl. 91—51)

1. An apparatus for treating yarn comprising a member having a surface across which the yarn feeds at a progressively increasing linear speed, means for applying liquid to said surface to form a film thereon, means for varying the thickness of the liquid film, and means for automatically actuating the last-named means to progressively increase the thickness of the film



to apply a uniform amount of liquid to all parts of the yarn.

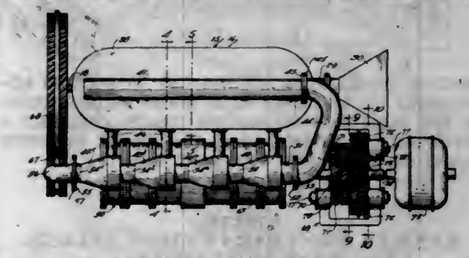
2,188,443
SWIVEL BUTTON
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application January 28, 1938, Serial No. 187,523
1 Claim. (Cl. 24—95)



A tiltable or swivel head tack button including a relatively flat plastic body, said body provided with a central bore, said bore enlarged in its upper portion to form an anchor-receiving chamber, the said bore also flaring slightly outwardly and downwardly from a plane just below the chamber, a narrow rim circumferentially of the bore at the base of the chamber and forming a seat for an anchor, an anchor resting in said chamber, said anchor being restricted circumferentially in a plane opposite the aforementioned rim to receive the same, the outer general contour of the anchor corresponding to the inner contour of the walls of the aforementioned chamber, said anchor adapted to form a snap fit within said chamber for temporarily holding the anchor in position, said anchor also adapted to receive and deform a tack fastener during a button-attaching operation to thereby secure the button head permanently in place but permit the same to tilt with respect to its anchor.

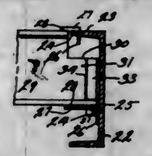
2,188,444
COMBINED INTERNAL COMBUSTION ENGINE AND COOLING SYSTEM
Urban Sauer, Pittsburgh, Pa., assignor of one-third to Harry R. Levy, McKeesport, Pa.
Application July 6, 1938, Serial No. 217,764
7 Claims. (Cl. 60—13)

1. In combination, an internal combustion engine including a bank of spaced cylinders having intakes and exhausts, a low pressure turbine operatively connected with and driven from said engine, said turbine provided with an intake for a mixture of a cooling medium and exhaust gases, a jacket common to and enclosing in spaced relation said cylinders, said jacket being formed with horizontally disposed means to provide therein superposed communicating cooling medium receiving chambers surrounding said cylinders, said lower chamber having a cooling medium inlet, said upper chamber being provided with a cooling medium outlet, a hollow structure mounted on said jacket forming a cooling medium receiving chamber having a plurality of spaced outlet ports, the outlet of the upper chamber formed by the jacket opening into said third chamber, a Venturi forming means having



a cooling medium intake and an outlet for said mixture permanently opening into the intake of the turbine, a cooling medium conducting-off means common to said outlet ports and opening into the intake of the said Venturi forming means, and means leading from the exhausts of said cylinders for conducting off exhaust gases and for delivering same into said Venturi forming means at spaced points of the length of the latter.

2,188,445
METAL CONNECTION FOR BUILDING ELEMENTS
Van Rensselaer P. Saxe, Baltimore, Md.
Application September 29, 1937, Serial No. 166,435
3 Claims. (Cl. 189—36)

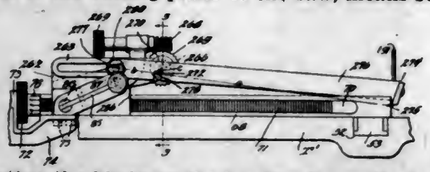


1. The combination with adjacent building elements at angles to each other, of a connection between said elements, said connection comprising a weld connected yoke carried by one of said elements, a flange carried by one of said elements and adapted to be received within the yoke, said flange being of substantially uniform thickness and a transverse upwardly bevelled shoulder within the yoke spaced from at least one of the upper and lower sides thereof and cooperating with the inner wall of the flange for forcing the outer wall of the flange into flat close engagement with one of the building elements.

2,188,446
COMPOSING ROOM SAW
Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders Incorporated, Elizabeth, N. J., a corporation of New Jersey
Original application May 21, 1936, Serial No. 81,069. Divided and this application March 12, 1937, Serial No. 130,607
10 Claims. (Cl. 29—69)

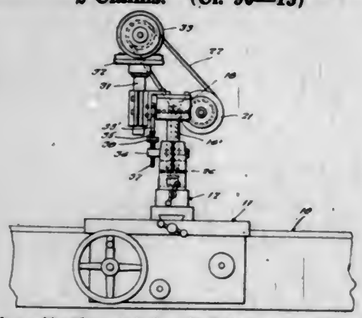
1. A machine of the character described including in combination, a saw, a table having a groove parallel to the cutting plane of the saw, a slide in said groove, a pica gauge bar rigidly secured to the front end of the slide at

right angles thereto, a bracket slidable on said bar, means to lock said bracket to the bar in positions adjustable to multiples of a "point," a line-up blade having an indicating edge parallel to the cutting plane of the saw, means sup-



porting the blade on the bracket for vertical adjustment of said edge in a plane perpendicular to the table said supporting means including a pivot parallel to said edge, and means to clamp work for movement with said slide.

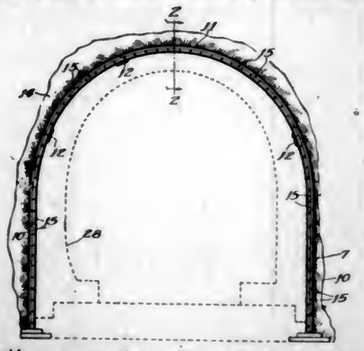
2,188,447
KEYWAY AND GEAR CUTTING ATTACHMENT FOR LATHES
Thomas E. Smith, Akron, Ohio, assignor of one-half to Edward Dorn, Girard, Ohio
Application July 22, 1938, Serial No. 220,781
2 Claims. (Cl. 90—15)



1. An attachment for lathes comprising a vertically arranged tubular post, a substantially U-shaped bracket slidably supporting said post and including means for the detachable securing thereof on a tool post holder of a lathe, a cutter shaft journaled in said post and carrying a cutter, a gear housing carried by said post, a second shaft journaled in the gear housing, meshing worm and worm gears connecting said shafts and arranged in the gear housing, a second bracket mounted on the gear housing and including a depending portion, a bar secured to the depending portion of the second bracket and having a pointed lower end provided with an indicator, a screw threaded ear formed on the first-named bracket and arranged under and in alignment with the bar, a micrometer screw threaded in said ear and including a disc-like finger piece providing a bearing for the pointed end of said bar and provided with a scale on the periphery thereof for cooperation with the indicator whereby a person may minutely adjust the post vertically in the first-named bracket, and means for rotating the second-named shaft.

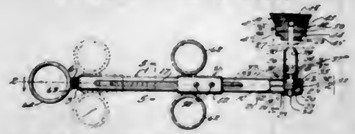
2,188,448
FABRICATED METAL STRUCTURE
Wallace W. Smith, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application December 16, 1938, Serial No. 246,224
5 Claims. (Cl. 61—45)

1. In combination, a series of flanged ribs spaced apart, and a panel between said ribs comprising a body of metal having portions extending angularly thereto along opposite edges of said body and also portions extending between, and in



a direction crosswise of, said first-referred-to portions and angularly to said body, and secured to said body, said panel seating at certain of said portions on flanges of said ribs.

2,188,449
CLEANING AND MASSAGING DEVICE
William C. Stewart, Kenosha, Wis.
Application September 23, 1938, Serial No. 231,431
2 Claims. (Cl. 15—180)

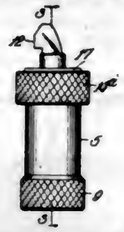


1. In a cleaning and massaging device, a brush element including a head having a radial groove extending the entire width of the head, a revoluble spindle extending into and co-acting with walls of said groove for revolving said element, means mounted in said element at right angles to and extending through said spindle for pivotally supporting and permitting of the inverting of said element relative to said spindle, said brush element including a flared circular row of tufts of bristles secured to and projecting from one end of said head, and said element and spindle having co-acting means for selectively latching the element to the spindle in normal and inverted positions.

2,188,450
DEVICE FOR CLAMPING TOGETHER PIECES OF SHEET MATERIAL TO FACILITATE RIVETING AND THE LIKE OPERATIONS
Alliott Verdon-Roe, Southampton, England, assignor to Aviation Developments Limited, London, England, a joint-stock company of England
Application May 10, 1938, Serial No. 207,172
In Great Britain May 14, 1937
6 Claims. (Cl. 85—9)

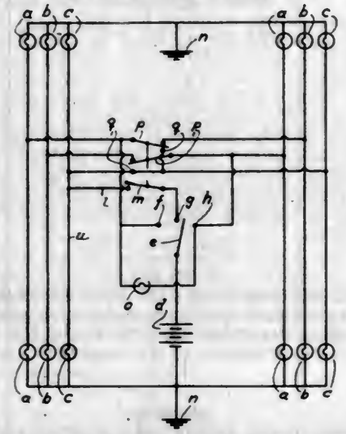
1. A device for clamping together pieces of sheet material, for example to facilitate riveting, including an internally threaded tubular member, a claw member externally threaded for engagement with the internally threaded tubular member and an apertured abutment member, through which the claw member passes being slidable and non-rotatable therein, and which is rotatably and non-slidably retained on one end of the tubular member and is provided with a

central projecting spigot (adapted to enter an aperture in the workpieces), said spigot being



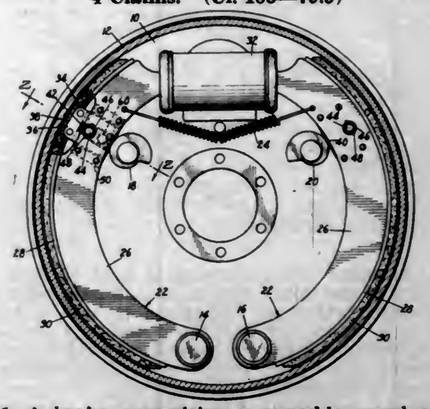
apertured to allow the claw member to pass through it.

2,188,451
SIGNALING SYSTEM FOR VEHICLES
Carl Emil Bartens, Copenhagen, Denmark
Application April 2, 1937, Serial No. 134,603
In Denmark April 3, 1936
2 Claims. (Cl. 177—337)



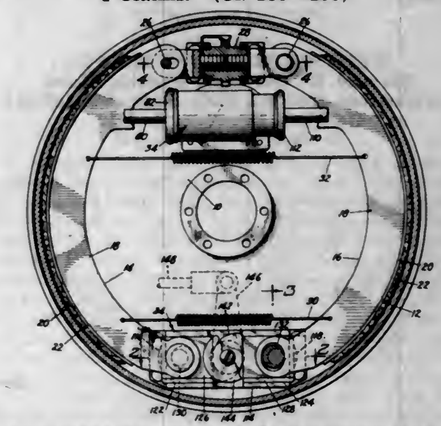
1. A signaling system for vehicles, comprising a set of first, second and third signaling devices on the right and left sides of a vehicle, a three-way switch having three poles and an arm, a circuit connecting one pole with the first signaling device on the right side of the vehicle and with the second signaling device on the left side of the vehicle, a circuit connecting another pole of said switch with the second signaling device on the right side of the vehicle and with the first signaling device on the left side of the vehicle, a circuit including a brake-actuated switch for connecting the remaining pole of the switch with the third signaling device on both sides of the vehicle, a circuit including the source of energy for connecting all of said signaling device to the arm of said three-pole switch, a two-way switch having an arm and one pole interposed in the circuit connecting the three-way switch to the second signaling device on the right side of the vehicle and the other pole connected to the third signaling device on both sides, and a similar switch interposed in the circuit connecting the three-way switch to the second signaling devices on the left side of the vehicle, means mechanically connecting the arms of said two-way switches with the brake-actuated switch for actuation in synchronism with the brake-actuated switch to break the connection to the second signaling device on both sides of the vehicle and energize the third signaling device on both sides of the vehicle upon closing the brake-actuated switch.

2,188,452
BRAKE
Charles V. Berglund, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 5, 1938, Serial No. 217,595
4 Claims. (Cl. 188—79.5)



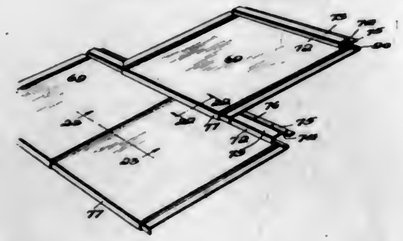
1. A brake comprising a movable member, a friction element for cooperation with the movable member, a retractile stop for the friction element, a slidable member frictionally clamped to the friction element for cooperation with the movable member and the stop, and a spring-pressed member engaging and retaining the slidable member against retrograde movement.

2,188,453
BRAKE
Clarence H. Bock, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application October 8, 1937, Serial No. 167,921
4 Claims. (Cl. 188—106)



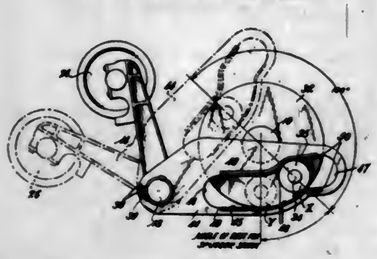
4. A brake comprising a fixed support, a drum associated therewith, corresponding interchangeable friction elements arranged on the support for cooperation with the drum, an adjustable anchor on the support connecting adjacent ends of the friction elements, corresponding slidable anchor blocks adjustably connected to the other ends of the friction elements, spaced guide-ways for the anchor blocks, a cam intermediate the anchor blocks, means for actuating the cam, and a fluid pressure actuated motor on the support connected between the friction elements.

2,188,454
ORNAMENTAL SHEET METAL SHINGLE FOR ROOFS AND WALLS
Leo I. Braddock, Fort Lauderdale, Fla.
Application December 17, 1937, Serial No. 180,431
8 Claims. (Cl. 108—17)



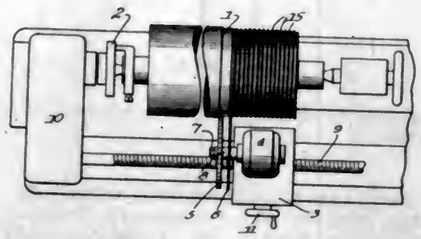
1. A metal shingle having a field surface, a U-turn at the upper portion of said field surface, a forward extension connected to said U-turn and lying above and parallel to said field surface, an upstanding flange connected to said forward extension, the forward edge of said field surface having a downward extension and a rearward extension connected to said downward extension, said rearward extension lying below, parallel to, and spaced from said field surface, said shingle having side edge locking means on each side, each locking means being located below the level of said field surface and extending beneath the field surface of another shingle when said first named shingle is interlocked with the opposite side edge locking means of said other shingle and when the field surfaces of said shingles are lying in substantially parallel planes, and one side edge locking means being above the other side edge locking means of the other shingle, a portion of said first named U-turn and a portion of said forward extension lying in the same vertical plane as a portion of said side edge locking means.

2,188,455
WELL SPUDDING APPARATUS
Harland W. Cardwell, Wichita, Kans.
Application June 25, 1937, Serial No. 150,403
Renewed December 7, 1939
17 Claims. (Cl. 74—45)



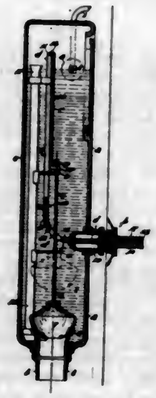
1. In well spudding apparatus having a rockable spudding shaft, a spudding arm carried by said spudding shaft, means for driving said spudding shaft to effect oscillation of said spudding arm comprising a driven wheel, a wrist pin carried by the wheel, and a connecting arm for the wheel and spudding shaft keyed at one end to the spudding shaft and provided with an elongated slot for receiving the wrist pin, said slot being irregularly shaped whereby the spudding arm is caused to pause at the top of the stroke.

2,188,456
APPARATUS FOR GROOVING RUBBER APPLICATOR ROLLS
Harry Galber, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
Application February 17, 1938, Serial No. 191,096
3 Claims. (Cl. 90—11)



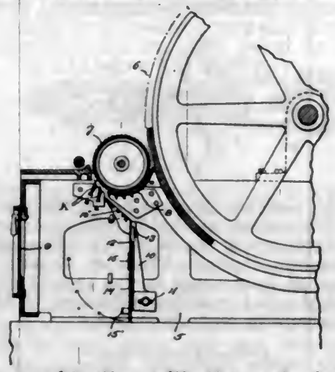
1. An apparatus for facing and grooving the surface of a rubber applicator roll comprising means for slowly rotating the roll about its axis, a shaft mounted for rotation in spaced relation to said roll on an axis parallel to the roll axis, a pair of spaced saws on said shaft, means for rapidly rotating the shaft and saws, and means for moving the same lengthwise of the roll, the first saw having flat teeth of substantial width, and the second saw having teeth shaped to equal the desired cross-section of the groove and being projected outwardly beyond the teeth of the first saw a distance equal to the desired depth of the groove.

2,188,457
VALVE MECHANISM FOR WATER CLOSETS
Eugenio Giansetto, Buenos Aires, Argentina
Application December 28, 1938, Serial No. 248,129
3 Claims. (Cl. 4—67)



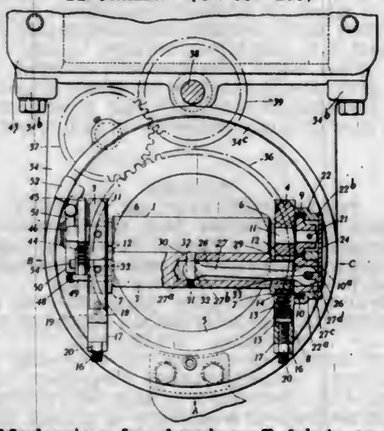
1. In a valve mechanism for water closets having a reservoir the discharge pipe of which is provided with a float valve dependent upon a transmission responsive to a control button: a transmission formed with a rod turned at substantially 180° into an elbow, one arm of said rod acting within a shielding tube serving to avoid the contact thereof with the water, said arm being also coupled to the rest of the transmission responsive to the control button, the other arm of said rod extending downwardly to engage the rod of said float valve.

2,188,458
CARDING ENGINE
Robert B. Jenkins and Glenn R. Hooper, Gastonia, N. C.
Application November 7, 1938, Serial No. 239,364
5 Claims. (Cl. 19—107)



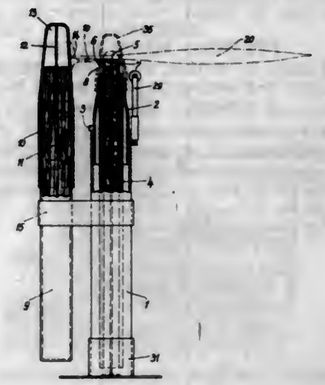
1. In combination with the main frame, the licker-in roll, and the main carding cylinder of a carding engine, means mounted within said frame to receive the waste from said licker-in roll and separate the motes from the fly thereof and to maintain said motes separate from said fly as well as to deliver the latter for accumulation with the waste from the main carding cylinder, said means including a transverse partition having a fixed upper section and a lower section hinged to said upper section for vertical swinging movement so as to permit access to and removal of the fly accumulated within the frame after removal of the motes, and means to effect adjustment of said partition longitudinally of the frame including mounting brackets for the partition adjustable longitudinally of the frame for varying the position of the partition with respect to the licker-in roll.

2,188,459
FABRIC WINDING-DOWN OR DRAWING-OFF MECHANISM FOR KNITTING MACHINES
Alfred Woodward Kent and Henry Harold Holmes, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application September 29, 1938, Serial No. 232,444
In Great Britain October 18, 1937
14 Claims. (Cl. 66—153)



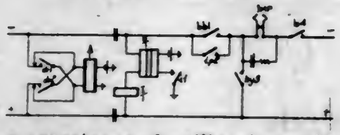
1. Mechanism for drawing-off fabric as it is produced on a knitting machine, comprising, in combination, a pair of drawing-off rollers between which the fabric is gripped and at least one of which is yieldably mounted so that said rollers are normally pressed together but permitted to separate as and when required, intermeshing gears by means of which said rollers are geared together, the gearing including a gear which is associated with and mounted independently of the yieldably mounted roller, driving means for rotating one of the rollers and thereby effecting rotation of the other roller through the said intermeshing gears, and a universal coupling for connecting the independently mounted gear with, and transmitting the drive from said gear to, the yieldably mounted roller, said coupling enabling the yieldably mounted roller to move relatively to the companion roller without affecting the drive transmitting function of the said intermeshing gears.

2,188,460
BLOWLAMP
Leopold Levit, Prague, Czechoslovakia
Application July 8, 1936, Serial No. 89,681
In Czechoslovakia July 25, 1935
8 Claims. (Cl. 158—35)



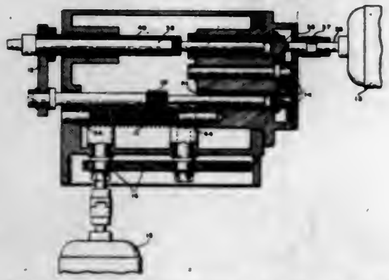
1. A blowlamp including a fuel tank and an orificed vaporizing chamber, at least one heater for said chamber, said heater including a tubular casing comprising a fuel receptacle, means connecting said casing to said blowlamp in spaced relation thereto, a sleeve slidably and rotatably fitted on the upper end of said casing and providing an extension thereof, means limiting the sliding movement of said sleeve in one direction, a tubular wick carried within said casing and having its upper end normally extending beyond the upper edge of said sleeve, a tubular member having a closed upper end carried by said wick inwardly thereof, the upper end of said member extending above the upper end of said wick, the upper end of said member being formed to provide an orifice therein facing said blowlamp, a second wick carried within said member, the upper end of said second wick terminating short of said closed end of said member to provide a vaporizing space therein, whereby heat from said first wick heats said last named chamber to cause vaporized fuel to be expelled through said orifice under pressure, thereby creating a blow-pipe type of flame directed against the vaporizing chamber of said lamp to heat the same.

2,188,461
MECHANICAL IMPULSE REPEATER
John William McClew and Cecil Robert Woodland, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application May 15, 1936, Serial No. 79,830
In Great Britain June 11, 1935
24 Claims. (Cl. 179—16)



1. In a repeater, a plurality of movable members each having a normal position, means for moving appropriate ones of said members from their normal positions in accordance with the number of impulses in each of a series of trains of incoming impulses, means for transmitting outgoing impulses in successive trains, said moved members determining the number of outgoing impulses in each transmitted train, means for restoring each moved member to normal position, and each member on restoration enabling the transmission of the next train of outgoing impulses to take place.

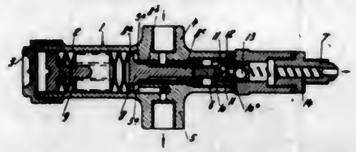
2,188,462
FEEDING MECHANISM
Daniel G. Meikle, Ann Arbor, Mich.
Application September 7, 1937, Serial No. 162,826
2 Claims. (Cl. 74—59)



1. In feeding mechanism, a traversing part, a member having helical teeth operatively connected to the traversing part for movement therewith, a second member having helical teeth extending in the opposite direction from the helical teeth on the first member and meshing with the teeth on said first member, means for initially rotating the second member relative to the first member in one direction to effect movement of the traversing part at a relatively fast rate, means for subsequently effecting rotation of the first member in the opposite direction to reduce the rate of advancement of the traversing part, and means operating after a predetermined length of travel of the traversing part to reverse the direction of rotation of said second member and thereby effect return movement of the traversing part at a relatively rapid rate of speed.

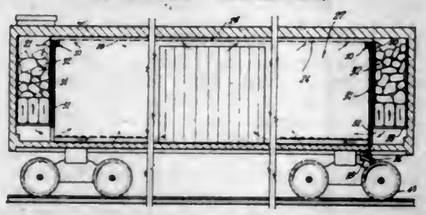
2,188,463
PUMP OUTPUT REGULATOR
Jean Mercier, Neuilly-sur-Seine, France
Application December 9, 1937, Serial No. 178,850
In France September 27, 1937
6 Claims. (Cl. 137—153)

1. A device for the regulation of the output of a pump, compressor or like apparatus, comprising an obturating member adapted to control the flow of fluid of said apparatus, and subjected on one side to the action of the pressure of the fluid delivered by the apparatus and on the other side to the effect of an elastic reaction stress, and an auxiliary element acting upon said



obturating member and subjected on one of its faces to the action of the delivery pressure and on the other face to the action of the pressure in the utilization conduit, the area of said latter face being at least equal to the area of the face of the obturating member subjected to the delivery pressure in said apparatus.

2,188,464
CIRCULATING MEANS FOR ROLLING STOCK
Charles L. Moorman, Blue Island, Ill.
Application February 12, 1938, Serial No. 190,202
13 Claims. (Cl. 62—24)



1. In a refrigerating vehicle or the like including a storage compartment and an ice chamber, air circulating means in the form of a blower housing mounted near the upper part of said ice chamber and having therein a movable blower member of a type adapted to rotate in opposite directions to move air in only one direction, means in said housing for directing said air into the upper part of said ice chamber, duct means extended from said housing into said compartment to guide air from the latter to said blower, and means for rotating said blower member and including a power take-off drivingly engageable with a wheel of said car, and means including a flexible shaft drivingly connecting said power take-off with said blower member to effect rotation of the latter, together with manualy operable lever means arranged exteriorly of said car and operable to disengage said power take-off from operative engagement with said wheel.

2,188,465
POLYMERIZATION OF OLEFINS
Michael Willcox Perrin, John Greves Paton, and Edmond George Williams, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 6, 1937, Serial No. 157,810. In Great Britain August 21, 1936
10 Claims. (Cl. 260—94)

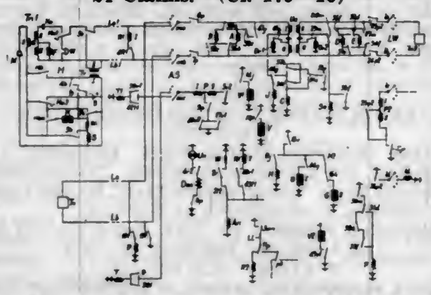
1. A continuous process for producing polymers from ethylene which comprises heating ethylene at a pressure of at least 500 atmospheres in the presence of a quantity of oxygen varying from about 0.01 per cent to about 5 per cent by weight of the ethylene, removing the polymer formed, and then repeating the process with a further and similarly limited quantity of oxygen.

2,188,466
INDICATING DEVICE
Fernand H. Willemain, Holyoke, Mass.
Application February 25, 1939, Serial No. 258,485
1 Claim. (Cl. 40—125)



An indicating device comprising in combination, a reversible plate member having means adapted to indicate one direction when in a certain position and to indicate an opposite direction when in a reverse position and consisting of a plate having spaced portions along its upper and lower marginal edges which are bent over inwardly towards each other and spaced from the plate to form open end and intermediate pockets on opposite marginal edges with the pockets at one marginal edge opening inwardly towards those at the other, and a supporting member formed from a length of wire to have spaced substantially parallel prongs extending from opposite ends of a transverse portion with the transverse portion having end pocket portions and an intermediate offset pocket portion, the end pocket portion being receivable in the end pockets at either edge of said plate member with the offset portion being receivable in the intermediate pocket of the opposite edge of said plate member, all adapted and arranged in cooperative relationship whereby said plate member may be secured to said supporting member to indicate either one of two directions relative thereto.

2,188,467
TELEPHONE SYSTEM
Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt near Berlin, Germany
Application February 25, 1937, Serial No. 127,617
In Germany March 6, 1936
24 Claims. (Cl. 179—16)

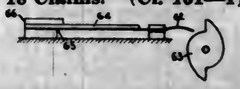


1. In a device for controlling automatic switches, a controlling relay, intermediate controlling means, a line incoming to said device, means for seizing said line and transmitting impulses thereover to operate said relay, said relay connected directly to said line and responsive to received impulses under one condition of seizure, and means effective under another condition of seizure for bringing said relay under control of said intermediate means and causing said intermediate means to respond to received impulses to in turn control said relay.

2,188,468
PRESERVATIVE COMPOSITION AND PRODUCTS DERIVED THEREFROM
Charles M. Albion, Boston, Mass.
No Drawing. Application September 21, 1937, Serial No. 164,905
27 Claims. (Cl. 134—12)

1. A composition of matter for preserving protein-containing materials which are subject to decomposition and for other useful purposes consisting of a solvent of resins from the group consisting of tetrahydronaphthalene, and decahydronaphthalene; a hydrogenated phenol as a plasticizer; and a wetting agent.

2,188,469
TIMING MEANS
Albert J. Allen, Brooklyn, N. Y.
Application July 16, 1937, Serial No. 153,904
18 Claims. (Cl. 161—1)



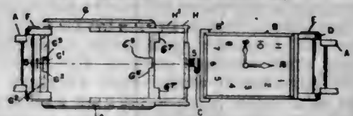
3. A composite timing element of the class described: said timing element comprising a strip component made of resilient metal; and means for limiting the reflex action of said component according to a predetermined time comprising a strip component made of soft metal; substantially as described.

2,188,470
WIRE DRAWING DIE AND DIE HOLDER
Fred H. G. Brandt, Kansas City, Mo., assignor to Sheffield Steel Corporation, Kansas City, Mo., a corporation of Ohio
Application August 10, 1936, Serial No. 95,121
9 Claims. (Cl. 205—25)



1. In combination a die having bevelled peripheral edges at opposite end faces of the die, a die holder for the die having a passageway for circulating a cooling medium about the die and having a bevelled seat for one of said bevelled edges of the die, and a retainer carried by the die holder and having a bevelled seat for engaging the other bevelled edge of said die.

2,188,471
WRIST WATCH BRACELET CLASP
Walter L. Bridler, Grosse Pointe, Mich.
Application October 13, 1937, Serial No. 168,791
2 Claims. (Cl. 224—4)



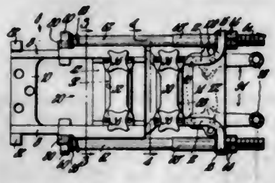
1. Means for effecting the locking of a wrist watch bracelet about a supporting element, comprising in combination with a relatively flexible band, a watch case connected with one end of the latter, and a skeleton frame member connected with the other end thereof, a limitedly movable supplemental frame piece supported by said

skeleton frame member and within which said watch case accurately fits when positioned therein, selected portions of said watch case being adapted to interfittingly engage corresponding portions of said skeleton frame when the supplemental frame and its supported watch case have been moved inwardly with respect to said skeleton frame, and a manually operable latch member carried by said supplemental frame and adapted to operatively engage a correspondingly located portion of said skeleton frame whereby the two frame elements and the then included watch case may be locked in their attained position of interengagement.

2,188,472
HYDROMETALLURGICAL PROCESS
Thomas A. Campbell, Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 29, 1937, Serial No. 171,686. In Chile June 15, 1937
11 Claims. (Cl. 75—117)

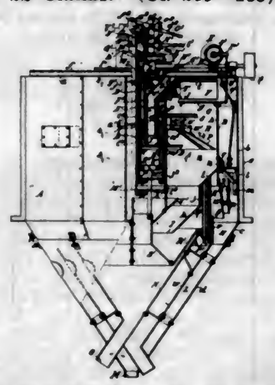
1. In a hydrometallurgical process for the recovery of copper in which an oxidized copper ore is leached with sulphuric acid and a solution comprising copper sulphate and containing a colloidally dispersed molybdenum compound is obtained, the improvement which comprises subjecting the copper sulphate solution to a precipitation operation in the presence of activated carbon to effect precipitation of the colloidally dispersed molybdenum compound, agitating the solution during the course of the precipitation operation, and separating the precipitated molybdenum compound from the residual solution.

2,188,473
FEEDING MECHANISM
Hubert E. Dickerman, Springfield, Mass.
Application October 19, 1938, Serial No. 235,905
10 Claims. (Cl. 271—2.5)



1. The combination of cooperating members relatively reciprocable towards and away from one another with feed mechanism comprising, a support secured to one of said members having an outer end, a carriage slidable on said support in a straight line towards and away from said outer end, a pair of coacting rolls for receiving material therebetween mounted on the outer end of the support for free rotation in certain directions by a strip passing therebetween in one direction when the carriage moves away therefrom, means holding said rolls against rotation in opposite directions whereby they hold said strip against passage therethrough in opposite directions when said carriage moves towards said outer end, a pair of coacting rolls mounted on the carriage freely rotatable in certain directions to permit passage of the strip therethrough when said carriage moves towards said outer end, and means holding said rolls against rotation in opposite directions when said carriage moves away from said outer end whereby said strip is advanced thereby relative to the rolls on the outer end of said support.

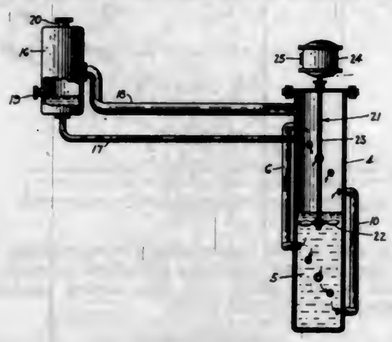
2,188,474
AIR AND OTHER SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Refiled for abandoned application Serial No. 628,678, August 13, 1932. This application May 8, 1937, Serial No. 141,534. Renewed July 18, 1939
22 Claims. (Cl. 209—139)



1. An air separator for grading materials, comprising, in combination, an outer casing enclosing a settling chamber, an inner casing enclosing a separating chamber having a lower current inlet and an upper outlet in communication with said settling chamber, rotary fan blades for causing air to flow up through said separating chamber and return through said settling chamber, for separating and floating fine material into said settling chamber, a supply conduit for supplying material to be separated in said separating chamber, a rotary distributor in said separating chamber and below said conduit, for distributing said material in such current, circumferentially spaced hollow baffles around said inlet and across said passage for intercepting and conducting below the path of such current fine material floating in such current, having downwardly and outwardly inclined lower ends for discharging such intercepted material, and a rotary downwardly and outwardly inclined closure ring below and adjacent and extended downwardly and outwardly across said inclined lower ends for closing said ends and rotatable for rotatably discharging intercepted material therefrom.

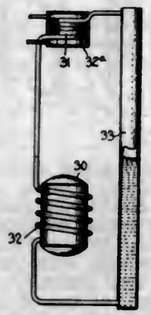
2,188,475
EVAPORATOR FOR REFRIGERATION SYSTEMS
Johann Heinrich, Berlin-Tegel, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft Werk Borsig Berlin-Tegel, Berlin-Tegel, Germany, a corporation of Germany
Application February 15, 1938, Serial No. 190,663
In Germany February 15, 1937
1 Claim. (Cl. 62—126)

In a refrigeration system, a substantially vertical container adapted to contain a cooling medium, a plurality of pipes communicating with the interior of said container and having upper ends connected to the upper portion of said container and lower ends connected to the lower portion of said container, a regulatable pump situated within said container substantially between the upper portion and the lower portion thereof, another container, means interconnecting the two containers and providing for flow of a liquid cooling medium from the second-mentioned container to the first-mentioned container and of a gaseous cooling medium from the first-mentioned container to the second-mentioned container, means connected with the



second-mentioned container for introducing the liquid cooling medium thereinto, and means connected with the second-mentioned container for removing the gaseous cooling medium therefrom.

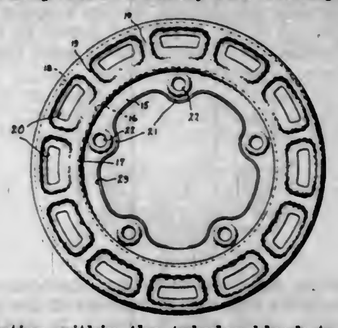
2,188,476
REFRIGERATION
Donald B. Knight, Brooklyn, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application February 7, 1931, Serial No. 514,120
23 Claims. (Cl. 62—125)



12. A heat transfer closed fluid system partly filled with a volatile liquid and having a portion for evaporation of the volatile liquid at a given elevation, a portion for condensation of the vapor formed in the evaporation portion connected to the evaporation portion and situated at a second elevation below the first elevation, a rising conduit portion adapted to supply liquid upwardly to the evaporation portion, and a conduit portion unobstructedly connecting the condensing portion wth the rising conduit portion so that vapor in the rising conduit portion causes rise of liquid therein by reaction against a column of liquid condensate.

2,188,477
METHOD OF FORMING VEHICLE WHEELS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application February 23, 1937, Serial No. 127,278
17 Claims. (Cl. 29—159.01)

1. Those steps in the method of forming wheel bodies which consist in forming a tubular sheet metal blank with scalloped portions at one end, upsetting said end of the blank by bending the latter end portion inwardly and telescoping said

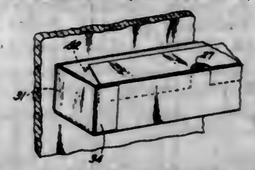


end portion within the tubular blank to form a return bend.

2,188,478
MODIFIED COAL TAR AND METHOD FOR THE PRODUCTION THEREOF
John Edward Lynn, East Boston, Mass., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 22, 1938, Serial No. 215,223
14 Claims. (Cl. 106—32)

1. An improved modified coal tar comprising a refined coal tar modified with gasoline-insoluble resin derived from pine wood and a minor amount of aluminum chloride.

2,188,479
DISPENSER
Perry A. McCaskey, Minerva, Ohio, assignor to The Minerva Wax Paper Company, Minerva, Ohio, a corporation of Ohio
Application August 2, 1937, Serial No. 156,842
3 Claims. (Cl. 206—58)

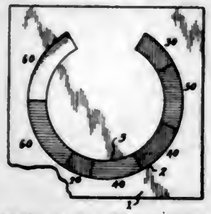


1. In combination, a package supporting wall bracket comprising a flat body adapted to be secured to a wall surface having laterally extending spaced arms and opposed tongues on each of said arms extending substantially parallel to said body and a rolled sheet material package having a length corresponding substantially to the distance between said arms and a width corresponding substantially to the distance between said tongues and said body, said package provided with a wall portion having a pair of end flaps, each of said flaps provided with a tongue whereby the flap may be arranged around a bracket arm and the tongue inserted within the body of the package to mount the package in said bracket.

2,188,480
GAME AND GAME BOARD
Kenneth L. Murray, Chicago, Ill., assignor to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware
Application September 17, 1937, Serial No. 164,363
1 Claim. (Cl. 273—130)

A game board provided with a playing zone

comprising a curved recess in the form of a major arcuate portion of a circle, the terminals of the recess forming abutments for the playing pieces, a plurality of series of playing pieces of varying lengths shaped to fit the curved recess and mov-

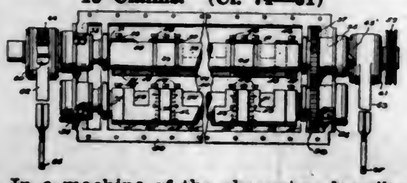


able therein, each series having distinctive visual characteristics and the dimensions of the playing pieces being such with reference to each other and to the dimension of the recess that a properly selected number of playing pieces will fill the recess.

2,188,481
FOOD COMPOSITION
Theodore John Otterbacher, Zion, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 24, 1937, Serial No. 181,611
2 Claims. (Cl. 99—92)

1. Method of making honey biscuits which comprises compounding a dough consisting of substantially 200 parts flour, 15 parts shortening, 16 parts eggs, 24 parts soda, 2 parts salt, 30 parts liquid phase and 135 parts syrup, the syrup phase containing, in addition to invert type sugars, substantially 30–45 parts of dextrose hydrate.

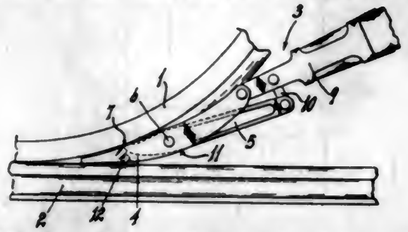
2,188,482
RECIPROCATING MECHANISM
Walter J. Parks, Shaker Heights, Ohio
Application February 17, 1937, Serial No. 126,224
15 Claims. (Cl. 74—61)



1. In a machine of the character described, a plurality of symmetrically disposed, resiliently supported vibrating bodies, an actuating mechanism adapted having substantially straight line reciprocating movement directly engaging one of said bodies and solely supported thereby, eccentric means on said actuating mechanism and means connecting said eccentric means to the other of said bodies for moving said bodies simultaneously in opposite directions.

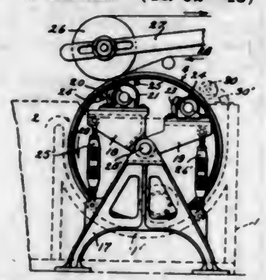
2,188,483
CAR MOVER
Carl E. Peterson, Long Beach, Calif.
Application September 26, 1938, Serial No. 231,764
2 Claims. (Cl. 254—38)

1. A car mover including a shoe adapted to rest on a railroad rail, the surface of the shoe adapted to rest on the rail being convexly curved from the front to the rear thereof, a main operating lever pivotally attached to the rear of the shoe, a bar pivotally mounted in the shoe and arranged below the operating lever, the forward end of said bar being adapted to engage a wheel



of the car, a link connecting the operating lever and the bar and pivotally attached to each, and a spur on the shoe, said spur being positioned forwardly of the bar pivot.

2,188,484
CYLINDER PAPER MAKING MACHINE
Guy M. Peterson, Springfield, Mass., assignor to Cheney Bigelow Wire Works, Springfield, Mass., a corporation of Massachusetts
Application May 6, 1937, Serial No. 141,121
3 Claims. (Cl. 92—43)

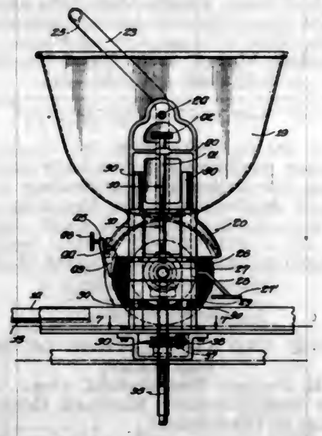


1. In a cylinder paper machine comprising a pulp vat, a paper making cylinder rotating therein, and a couch roll, said cylinder having an open interior devoid of axial shaft and radial bracing and being provided with internal bearing surfaces circularly disposed at the inner circumference of said cylinder, the combination therewith of a pair of spaced apart bearing rolls extending through said cylinder above its axis of rotation and in rolling engagement with the internal bearing surfaces of said cylinder for supporting said cylinder in its rotation, said bearing rolls being journaled in carrier members mounted exteriorly of said pulp vat, supporting standards, the carrier members for one of said bearing rolls being pivoted in said standards at the axis of rotation of said cylinder, and means for adjusting said carrier members about their pivotal support to vary the position of said bearing roll circumferentially within said cylinder.

2,188,485
COATING MACHINE
Claude E. Quick, Glendale, Calif., assignor, by mesne assignments, to Interstate Bakeries Corporation, a corporation of Delaware
Application October 13, 1937, Serial No. 168,723
5 Claims. (Cl. 91—2)

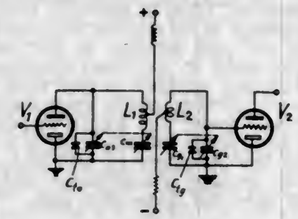
4. In a machine of the class described, including means for conveying food articles, a rotary applicator adapted to contact said articles on said conveying means to coat the same with icing, and means for supplying icing to said applicator; and a stripper for preventing the adherence

of said coated articles to said applicator, said stripper being positioned out of contact with



said applicator and adapted to contact only such of said articles as adhere to said applicator.

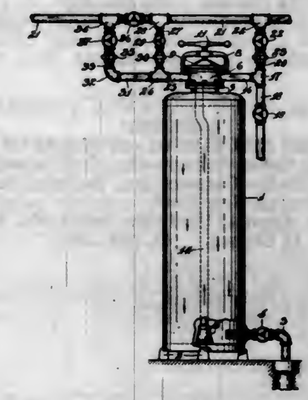
2,188,486
TUNABLE COUPLING CIRCUIT ARRANGEMENT FOR ULTRA-SHORT WAVES
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application February 19, 1938, Serial No. 191,450
In Germany February 24, 1937
6 Claims. (Cl. 179—171)



1. In an amplifier arrangement two tunable coupling circuits for coupling two successive amplifier stages for effecting wide-band amplification, more particularly for ultra-short wave circuits, each of said coupling circuits consisting of a valve, a coil and a tunable capacity, said tunable capacity being divided into two single condensers which are varied synchronously and connected in series with said coil, one of said condensers being connected in parallel to the valve and having connected in parallel a special condenser of adjustable capacity with respect to earth, said coils being inductively coupled with each other in such manner that a wide-band is amplified, said first tunable circuit being connected in parallel to one of said stages, said second tunable circuit being connected in parallel to the grid-cathode path of the associated valve.

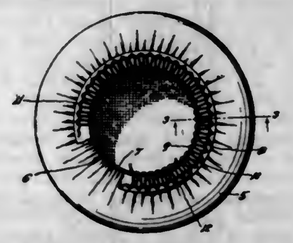
2,188,487
APPARATUS FOR TREATING WATER
Samuel J. Sharp, Wheeling, W. Va., assignor of two-fifths to E. W. Krause, Wheeling, W. Va.
Application August 18, 1938, Serial No. 225,551
2 Claims. (Cl. 210—24)

1. In a water treating apparatus, a tank having an opening, a flange surrounding the opening, a member of substantially ring-like form having upper and lower flanges, the latter secured to the tank flange, said member having a threaded opening extending through its side and having an elbow formed integral therewith and merging thereinto and located in spaced relation to the opening, the end portions of the elbow being threaded and one end portion thereof be-



ing in register with a second opening provided therefor in the side of the member, a tube in the tank threaded into engagement with the other end portion of the elbow, a pipe threadedly connected to the first named threaded opening of the member, a pipe threadedly connected to the first named end portion of the elbow, a closure seated on the upper flange of the member, and means to removably connect the closure to the said upper flange of the member.

2,188,488
FILTER AND THE METHOD OF MAKING THE SAME
Louis H. Talmadge, Wethersfield, Conn., assignor, by mesne assignments, to The Silex Company, Hartford, Conn., a corporation of Connecticut
Continuation of application Serial No. 208,648, May 18, 1938. This application May 11, 1939, Serial No. 273,018
12 Claims. (Cl. 210—162)

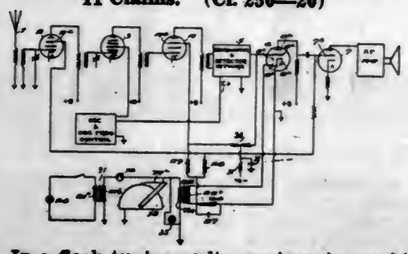


1. A filter of the character described comprising a disc of pervious material having an elastic strip member extending along the periphery of said disc, said strip member being secured to said disc by a row of stitches extending through said member and said disc, and the length of said strip member, when in contracted condition, being substantially less than the circumference of said disc, whereby, when said strip member is contracted, the said disc is drawn into the form of a pouch.

2,188,489
CHOCOLATE COATING AND PROCESS OF MAKING SAME
Collins Veatch, La Grange, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 17, 1937, Serial No. 154,201
10 Claims. (Cl. 99—23)

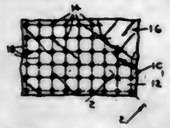
1. A chocolate coating compound comprising in intimate mixture fat-containing chocolate, dextrose, gelatin and gelatinized thin boiling starch.

2,188,490
RADIO RECEIVING APPARATUS
Innokent N. Vorie, Tonawanda, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York
Application August 13, 1937, Serial No. 158,844
11 Claims. (Cl. 250—20)



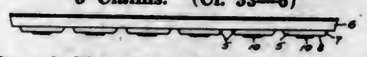
1. In a flash tuning radio receiver, in combination, a source of alternating current, an indicating lamp in series therewith, a relatively high impedance path in series therewith, a rectifier associated with said high impedance path, means for applying the output of said rectifier to at least one tube of said receiver as a muting bias, and means for completing the circuit of said alternating current source through said lamp exclusive of said high impedance path.

2,188,491
ORNAMENTAL LEATHER AND OTHER SHEET MATERIALS
Adolph Wertheim, Brooklyn, N. Y.
Application March 29, 1938, Serial No. 198,785
3 Claims. (Cl. 41—22)



1. Ornamental sheet material comprising an outer layer of thin sheet material provided with a multiplicity of closely spaced small perforations of similar outline, a backing layer of thin sheet material visible through said perforations and having a color which is different from the color of the outer surface of said outer layer, said perforations being arranged in parallel rows extending transversely of the sheet and in parallel rows extending longitudinally of the sheet, and transverse and longitudinal parallel lines of stitching passing through said outer and backing layers in line with said transverse and longitudinal rows of perforations, respectively, and combining with said rows of perforations to divide said outer layer into a multiplicity of small panels of similar outline whereby the outer layer has a mesh-like appearance.

2,188,492
BAKEPAN SET
George G. Young, Kansas City, Mo., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application May 4, 1938, Serial No. 205,999
5 Claims. (Cl. 53—6)



3. In a baking pan set of the character described, the combination of a body portion including a circumferential upstanding wall, and a series of molds carried by the body portion, each of said molds comprising a side wall and a bottom, and a substantially central well formed in the mold bottom below the level of said bottom.

2,188,493
STRAINER AND THE METHOD OF MAKING THE SAME
Wesley R. Becher, Wethersfield, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application March 4, 1938, Serial No. 193,905
3 Claims. (Cl. 210—162)



1. The method of making a strainer of the class described from a sheet of cloth material which consists of stretching an elastic member, applying the said member to the periphery of said sheet while in stretched condition and securing the said member to said sheet by means of a row of stitches which extend through said member and sheet; the length of said member, when in contracted condition, being substantially less than the periphery of said sheet, whereby, when said member is contracted, the said sheet is drawn into the form of a bag.

2,188,494
FILLER AND METHOD OF MAKING SAME
Harold E. Bode, Chicago, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 20, 1937, Serial No. 164,795
5 Claims. (Cl. 134—11)

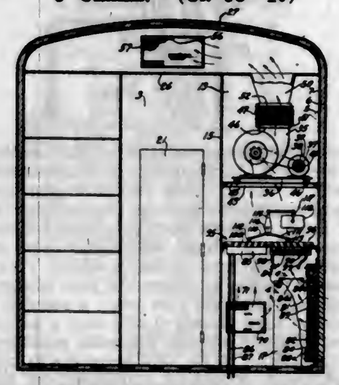
1. A filler comprising in a water insoluble state starch having chemically deposited on each granule thereof a water-insoluble salt of an alkaline earth metal.

2,188,495
METHOD FOR THE PRODUCTION OF TERPENE DERIVATIVES
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1938, Serial No. 197,602
12 Claims. (Cl. 260—454)

1. A method for the production of a terpene compound having the type formula R—(CNX),

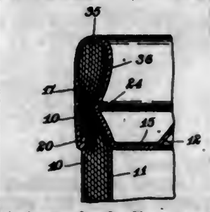
in which R is a terpene group and X is an element of the group consisting of sulfur, selenium, and tellurium, which consists of reacting an unsaturated terpene with a compound having the type formula XCN, in which X is an element of the group consisting of sulfur, selenium and tellurium, and recovering the resulting terpene derivative.

2,188,496
AIR CONDITIONING MEANS FOR RAIL CARS
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Battle Creek, Mich., a corporation of Michigan
Application January 24, 1938, Serial No. 186,616
5 Claims. (Cl. 98—10)



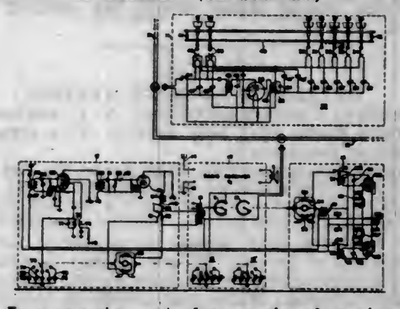
1. In a railroad car having a passenger space, a vertically extending air conditioning compartment at one end thereof of generally rectangular section, a return air inlet from said passenger space to the lower end of said compartment through one side wall thereof, a fresh air inlet into the lower end of said compartment through an adjacent side wall thereof, air tempering means extending across said compartment above said inlets, a blower in said compartment above said tempering means adapted to draw air through said inlets and upwardly through said tempering means and to discharge the same into said passenger space, and a vertically extending door member in the lower end of said compartment hinged at one edge adjacent the intersection of said two side walls for horizontal swinging movement, said door member preventing direct cross flow of air between said inlets.

2,188,497
CONTAINER AND METHOD OF MAKING THE SAME
Jose B. Calva, St. Paul, Minn., assignor, by mesne assignments, to Waldorf Paper Products Company, a corporation of Minnesota
Application September 24, 1936, Serial No. 102,262
3 Claims. (Cl. 229—5.5)



1. A container including a fibrous side wall end portion, a metallic end wall for said container, said end wall including a peripheral channel enclosing the end of the side wall portion, a groove constituting a resisting abutment under shock in the inner wall of the channel extending into said side wall portion, and integral binding means on the edge of the outer wall of said channel engageable into said side wall portion, said means so located as to bind the side wall against the inner wall of the channel below the aforesaid groove.

2,188,498
REMOTE CONTROL WAVE SIGNAL RECEIVER
Leslie F. Curtis, Great Neck, and John F. Farrington, Flushing, N. Y., assignors to Haseltine Corporation, a corporation of Delaware
Application October 22, 1938, Serial No. 236,400
15 Claims. (Cl. 250—20)

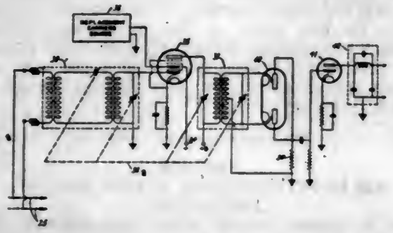


1. In a remote-control wave-signal receiver including a received-signal translating channel tunable to any of a plurality of signals of different carrier frequencies, a tuning motor and tuning means for said receiver driven by said motor, a remote-control system comprising, a control station remote from said motor and including a source of high-frequency oscillations of frequencies different from that of any of said plurality of signals, manual control means for varying the frequency of said source, a frequency-adjustable frequency follower at said receiver and external to said channel, means differentially responsive to said high-frequency oscillations and to the output of said frequency follower for effecting operation of said motor only when said differential response is other than a predetermined value, and means comprising said motor for adjusting the frequency of said frequency follower substantially to that effective to produce a differential response of said predetermined value and to tune the receiver in accordance with the setting of said manual control means.

2,188,499
STAGGERED FREQUENCY SIGNAL DISTRIBUTION
Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application December 21, 1937, Serial No. 180,971
5 Claims. (Cl. 179—15)

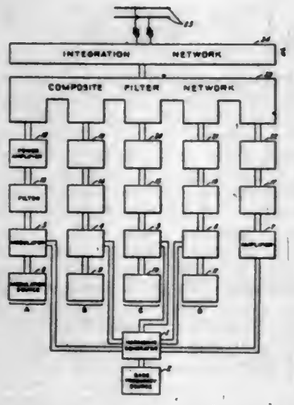
5. A receiver for suppressed carrier single side bands comprising a first selection circuit for frequencies in the vicinity of a desired one of said side bands, means for superposing a replacement carrier thereon, a second selection circuit for the desired side band and its superposed replacement carrier, a linear average type detector and an audio frequency limitation circuit for the output

thereof, said detector operating to detect only the beat frequencies due to the selected carrier beating against all other frequencies within the



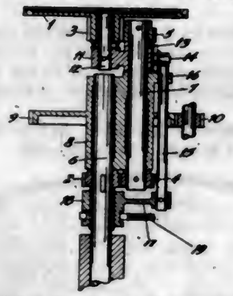
range of said selection circuits and said limitation circuit operating to eliminate all detected frequencies except those within the desired side band.

2,188,500
CATALYTIC CARRIER SYSTEM
Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application January 14, 1938, Serial No. 184,973
11 Claims. (Cl. 179—1)



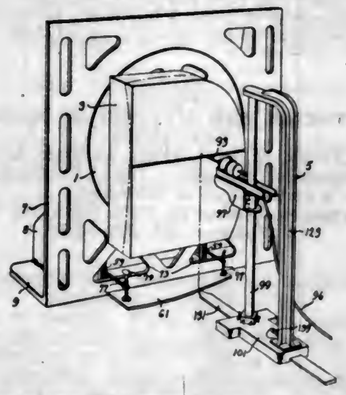
1. A system for selectively receiving signals in the form of suppressed carrier side bands transmitted over a wire network together with a control frequency subject to undesired modulation during transmission, said system comprising at a receiving point, means for generating a second control frequency at low energy level compared to the first said control frequency, a linear detector for combining said first and second control frequencies to produce a beat frequency substantially unmodulated, means for selecting said beat frequency in the output of said detector, a second linear detector for combining the second control frequency with the selected beat frequency to reproduce the first control frequency substantially free of said undesired modulation, means connected to the output of the second detector for deriving a replacement carrier from the reproduced first control frequency and means for combining said replacement carrier with a selected one of the received side bands to reproduce its signal.

2,188,501
VARIABLE ORBITAL DRIVE GEAR FOR DOUGH ROUNDERS OR THE LIKE
Otto Florian, Stuttgart, Germany, assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application October 13, 1938, Serial No. 234,771
In Germany October 13, 1937
2 Claims. (Cl. 74—300)



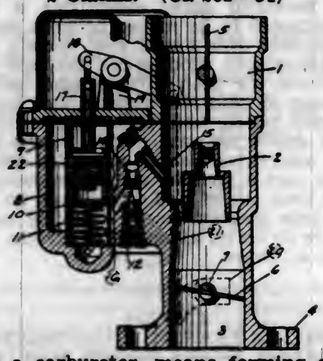
1. A machine for imparting orbital motion to a driven element comprising in combination, a main axis, a turret head mounted for rotation about said main axis, means for rotatably driving said head, a stationary sun gear centered on said main axis, a planet shaft journaled in said head parallel to and radially offset from said main axis, a planet gear fixed to said planet shaft and meshing with said sun gear, a second planet gear fixed to said planet shaft, and a second sun gear fixed to said driven element meshing with said second planet gear, said second sun gear and driven element rotatably mounted on said rotatable turret head, their axes parallel to said planet shaft and laterally offset relative to said main axis, whereby said driven element revolves with said turret head through an orbit determined by the distance of its axis from said main axis but is maintained in one angular relationship to the first said sun gear by the meshing coaxial planet gears.

2,188,502
METHOD OF AND APPARATUS FOR MAKING PATTERNS
Eric L. Emmons, Detroit, Mich.
Application July 14, 1937, Serial No. 153,640
4 Claims. (Cl. 144—144)



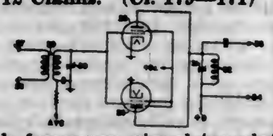
1. An adjustable work holding machine comprising, a platen wheel for holding work material, platen support means for rotatably supporting said platen wheel in a substantially vertical position above a substantially horizontal plane surface, a motorized cutter, cutter support means for supporting said motorized cutter slidably on the plane surface and spaced therefrom, and quick releasable clamp means for securing templates firmly on the plane surface and rigidly against said support means for precisely guiding the movements of said cutter support means on said surface.

2,188,503
PUMP DEVICE
George R. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 17, 1937, Serial No. 137,427
2 Claims. (Cl. 261—34)



2. In a carburetor, means forming a mixing conduit, a throttle valve for controlling the flow of mixture therethrough, an accelerator pump including a cylinder and piston for supplying accelerating charges to said mixing conduit upon opening movement of said throttle, a connection between the throttle valve and said piston including a piston rod, a connection between said piston and piston rod comprising an initially tensioned closely wound coiled spring, one end of which is secured to said piston and the other end to said piston rod, whereby initial movement of said throttle at a moderate rate will produce a substantially simultaneous corresponding movement of said piston in the discharge direction, and an excessively rapid movement of said throttle will partially extend said spring to permit lagging and gradual movement of said piston, and a continued discharge from said accelerator pump after completed movement of said piston rod, by virtue of continued movement of the piston to full discharged position due to energy stored by the extension of said initial tensioned spring.

2,188,504
HIGH-FREQUENCY SIGNAL-TRANSLATING STAGE
Robert L. Freeman, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 22, 1938, Serial No. 236,540
12 Claims. (Cl. 179—171)



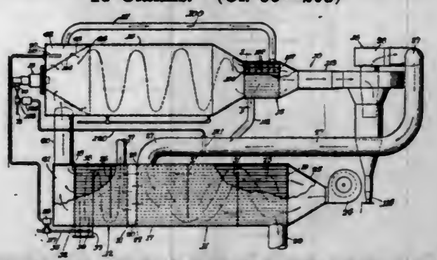
1. A high-frequency signal-translating stage comprising vacuum-tube electrode structure effectively including a plurality of electron-discharge paths in parallel, certain of said discharge paths comprising conventional electrodes including input electrodes having appreciable positive conductance therebetween, others of said discharge paths comprising input electrodes including a control electrode and a cathode, means for forming a virtual cathode between said control electrode and said cathode, whereby a negative conductance exists between said last-mentioned input electrodes, the spacing of said electrodes and their normal operating potentials being so proportioned that said conductances are substantially equal in magnitude for all operating conditions of said stage.

2,188,505
CUFF LINK
Horace T. Garrigus, Millburn Township, Essex County, N. J., assignor to Garrigus & Co. Inc., Newark, N. J., a corporation of New Jersey
Application October 21, 1938, Serial No. 236,176
3 Claims. (Cl. 24—102)



1. In a cuff link, a substantially U-shaped shank having a pair of side arms connected at one end by a curved portion and the other end of said arms being spaced and provided with transverse openings, a bar secured to the curved portion of the shank, a second bar having a bearing attached thereto and offset from the axis of the bar, and a pivot pin passing through said bearing and positioned in said openings in the arms of the shank, the width of said bar being less than the space between said arms so that the bar may assume a position within the shank at right angles thereto.

2,188,506
METHOD OF DESICCATING FLUID MIXTURES
Joseph M. Hall, Chicago, Ill.
Application August 27, 1937, Serial No. 161,223
13 Claims. (Cl. 99—203)

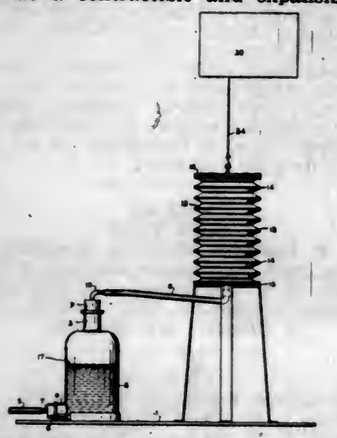


1. A system of desiccating milk which comprises reducing the milk in fine particles, evaporating moisture from the individual particles, and finally subjecting the desiccated particles to a fresh current of heated air for partially fusing the exterior surface of each particle to provide a protective coat or case for the same.

2,188,507
FLUID DISPENSING DEVICE
Charles A. Harris, Shaker Heights, Ohio
Application August 18, 1938, Serial No. 225,605
5 Claims. (Cl. 221—147)

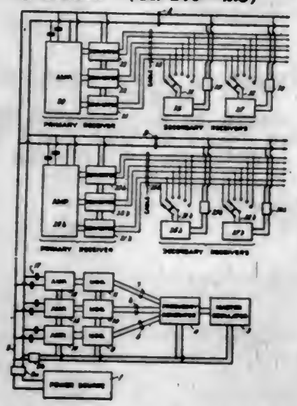
1. A device for discharging gradually a quan-

tity of liquid and comprising a container for the liquid, and having a discharge passage and an inlet passage, control means having walls capable of approaching each other and spreading apart to provide a contractible and expansible fluid



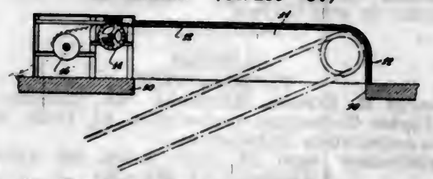
cavity, said cavity being connected with said inlet, means tending to urge the cavity to contracted condition, and timing mechanism operatively connected to the control means and operative to constrain said cavity to predetermined gradual contraction.

2,188,508
MULTIPLE DISTRIBUTION SYSTEM
William J. Herdman, South Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application September 15, 1937, Serial No. 163,934
1 Claim. (Cl. 179—2.5)



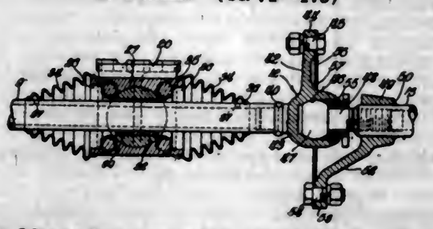
In a given space having a power distribution system, the method of distributing programs from a common point to a multiplicity of receiving points in said space, which comprises, transmitting said programs as modulated carrier frequencies over the power system to feeder branch points thereof, amplifying said carrier frequencies and separately demodulating them near each branch point to obtain the respective modulations therefrom, and distributing said modulations from each branch point to a group of program receivers, the division of said receivers into groups being such that the number of receivers in a group is small relative to the total number of receivers in said space.

2,188,509
ESCALATOR COVER
William L. Kavanagh, New York, and Milton L. Cornell, Jackson Heights, N. Y., assignors to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York
Application May 14, 1938, Serial No. 207,992
12 Claims. (Cl. 189—57)



1. An Escalator cover comprising a flexible curtain adapted to be moved between open and closed positions over a stair well, curtain moving means including a winding reel for said curtain and a device for both winding and unwinding said curtain on said reel whereby said curtain is moved into closed and open positions, a reel driver, a driver for said device, means directly coupling said drivers at all times for movement in unison, and a yielding motion connection between at least one of said drivers and its associated curtain moving means enabling said reel and device to travel at matched curtain moving speeds at all times.

2,188,510
MOTION TRANSMITTING MEANS
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application June 1, 1937, Serial No. 145,701
10 Claims. (Cl. 74—473)

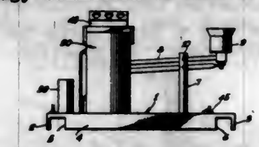


1. Means for supporting a motion transmitting member adapted for rotative and longitudinal movement, comprising a hanger bracket mounted on a fixed support, means carried by said bracket including a ball member having a transverse bearing sleeve extending therethrough and receiving said motion transmitting member, said ball member being mounted for universal movement with respect to said bracket, and having limited lateral movement with respect thereto, and spring means normally urging said ball member away from said bracket.

2,188,511
GRADING SCALE
George W. Leighton, Los Angeles, Calif.
Application October 15, 1937, Serial No. 169,154
5 Claims. (Cl. 177—311)

2. In a device of the character described, the combination of a weighing beam, a weighted member carried by one end thereof and movable vertically, a series of horizontally spaced grading weights supported above said weighted member in vertically spaced relation thereto, contact pins for supporting each of said grading weights, and

a signalling circuit including a light source connected to a contact pin supporting each of the series of grading weights, and a source of electrical energy connected to another contact pin



supporting each of the series of grading weights, said weighted member being movable vertically to serially lift said grading weights and serially break the signalling circuit to the light sources.

2,188,512
METHOD OF MAKING SHOES
Frank Maiellano, Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application August 14, 1935, Serial No. 36,056
13 Claims. (Cl. 12—142)



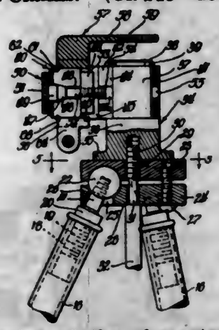
1. A method of making shoes which comprises providing an outsole having a raised land at its central forepart portion and an insole having a corresponding aperture at its central forepart portion, attaching a filler piece of greater extent than said aperture and having substantially the thickness of an upper across said aperture, locating said insole and filler piece on a flat bottom last with said filler piece thereagainst, lasting an upper to said insole with the inner edge of its lasting allowance located outwardly from the edges of said aperture, and affixing an outsole to said lasted upper with its landed portion fitting in and closely mating said aperture edges.

2,188,513
SPECTACLE MOUNTING
Peter Messinger, Philadelphia, Pa.
Application September 15, 1938, Serial No. 230,065
1 Claim. (Cl. 88—47)



A mounting for rimless glasses comprising a temple member having spaced arms, said arms being pivotally connected to a lens, a separable rim strap adapted to be held between the rim of the lens and the temple member, and means universally joining said rim strap and said temple member whereby the rim strap may adjust itself on the rim of said lens, said means comprising an interfitting tapered recess and a threaded screw having a tapered point, said screw threaded in said temple member and being adapted to adjustably press said rim strap against the lens rim whereby the lens will be supported sturdily and uniformly along its rim, and said rim strap being limited in movement in a direction along the rim of the lens, said tapered point contacting the bottom of said tapered recess in a point engagement.

2,188,514
TRIPOD
Francis Moore, Chicago, Ill., assignor to Albert Specialty Company, Chicago, Ill., a partnership composed of Stanley Flesch and Harold Flesch
Application June 25, 1938, Serial No. 215,778
3 Claims. (Cl. 248—181)



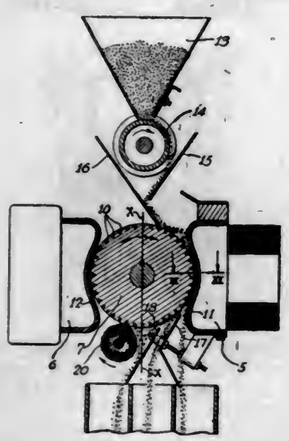
1. In a device of the character described, a head comprising two clamping members provided in their opposed faces with complementary recesses, legs having at one end balls seating in said recesses, means securing said members together in pressure contact with said balls effective for presenting predetermined frictional resistance to relative movement of said balls, and means for forcing said head members together independently of said securing means effective for increasing the frictional resistance to relative movement of said balls.

2,188,515
SANITARY FITTING FOR THERMOMETER BULBS
Alphonso Noble, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application December 15, 1938, Serial No. 245,884
3 Claims. (Cl. 285—177)



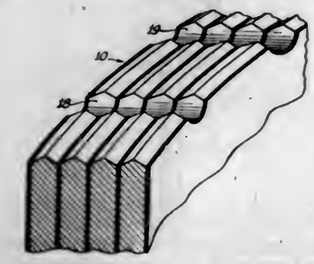
1. Means for mounting a thermometer bulb having contact with a liquid, said means including a pair of bored coaxial clamping members surrounding a portion of the bulb, one member fitting slidably within the other and engaged therewith by a clamping joint to slide axially the one member relatively to the other, and the bores of both members affording respective juxtaposed opposed recesses, together with a resilient washer located within the said recesses, adapted to be clamped between said members and thereby forced into liquid-tight engagement with the surface of said bulb.

2,188,516
APPARATUS FOR MAGNETIC SEPARATION
Clarence Q. Payne, Stamford, Conn.
Application January 10, 1938, Serial No. 184,146
2 Claims. (Cl. 209—219)



1. An apparatus for the separation of finely divided ores and minerals containing strongly magnetic, partly magnetic and nonmagnetic particles, which comprises an electromagnet, an inductively magnetized disc-rotor and a pole-piece spaced therefrom, in combination with a rubber lining of about one-half the width of the field-gap between the rotor and the pole-face, and means for driving a feed-stream of the particles from the rotor against the lining with a centrifugal force several times the gravitational force of the particles, and causing them to descend through the field-gap while keeping the particles out of contact with the pole-face.

2,188,517
MAGNETIC SEPARATOR
Clarence Q. Payne, Stamford, Conn.
Application November 22, 1938, Serial No. 241,720
4 Claims. (Cl. 209—219)



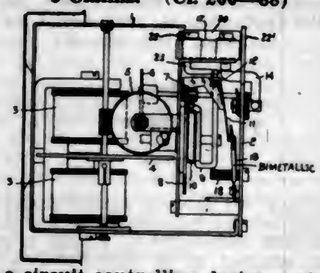
1. In a magnetic separator, an inductively magnetized disc-rotor and an arcuate pole piece having an air gap therebetween in which each of the magnetic discs of said rotor has an annular wedge-shaped projection which forms an angle of one hundred and twenty degrees, in combination with a series of grooves which transversely intersect said discs and which cause six point convergences of the lines of force at each of said disc-intersections.

2,188,518
SYMBOL DISPLAY DEVICE
William S. Pearson, Park Ridge, Ill., assignor to Peerco, Inc., Park Ridge, Ill., a corporation of Illinois
Application May 4, 1939, Serial No. 271,639
13 Claims. (Cl. 40—130)



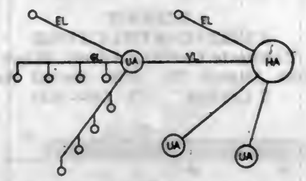
11. A symbol display device comprising an upright reflecting member, symbols upstanding before and spaced from said member and having downward projections, an electric lamp located forward of the plane of said member and rearward of the plane of said symbols, said lamp being near said projections and positioned centrally of said member when considered widthwise, means for engaging said projections to hold said symbols in place, and means for securing said reflecting member, lamp and engaging means together in the relation stated, said member having means above said lamp and cooperating with it to cast a central shadow on the upper portion of said reflecting member behind the centrally disposed symbols while leaving other portions of said member on both sides of said central shadow free to receive and reflect full strength rays.

2,188,519
ELECTRICAL SWITCH
Philip Norton Roseby, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application November 7, 1935, Serial No. 48,611
In Great Britain December 21, 1934
5 Claims. (Cl. 200—88)



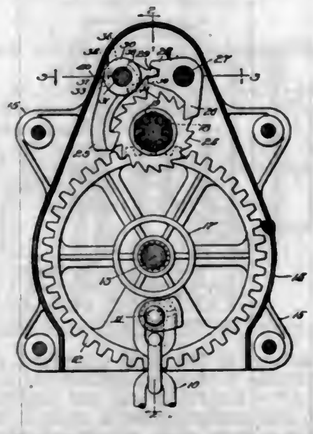
1. In a circuit controlling device, a circuit controlling switch, a switch operating member for moving said switch from one position to another position, a driving member, means for linking said members together to cause movement of said driving member to be communicated to said operating member to thereby operate said switch, a control circuit, a thermal element for controlling said linking means and effective to cause said members to be disengaged responsive to current flow of predetermined duration in said control circuit, whereby said operating member is effective to restore said switch to said one position when said members are disengaged.

2,188,520
PARTY LINE TELEPHONE SYSTEM
Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application May 25, 1936, Serial No. 81,550
In Germany June 13, 1935
15 Claims. (Cl. 179—17)



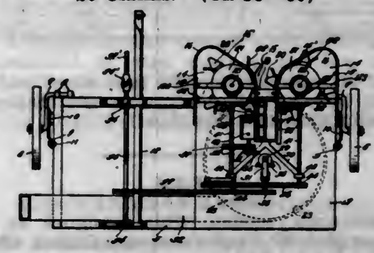
1. In a telephone system, party lines terminating in an exchange, means in said exchange individual to each station on said lines operated in response to the initiation of a call for storing said call, an individual ringing circuit in said exchange for each station on said lines for selectively signalling the corresponding station, an automatic switch for finding and connecting with said stored call, and switching means responsive to said connection for preparing the ringing circuit individual to the calling station and for terminating the storage of said call.

2,188,521
HAND BRAKE MECHANISM
Edward W. Zane, Chicago, Ill., assignor to Union Railway Equipment Co., Chicago, Ill., a corporation of South Dakota
Application August 25, 1938, Serial No. 226,665
13 Claims. (Cl. 188—81.1)



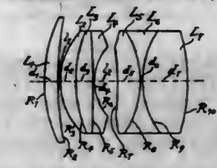
1. Hand brake mechanism comprising in combination, a rotatable ratchet adapted for connection to a winding device, a pair of pivoted and interconnected pawls operatively related to the ratchet, and actuating means freely rockable in one direction to contact one pawl and thereby engage both pawls with the ratchet and in the opposite direction to contact said one pawl when further movement of the actuating means is resisted by friction between the pawls and ratchet teeth, the actuating means having a weighted portion causing further rotation thereof in said opposite direction under the action of gravity to release the pawls when said friction is relieved by a rotation of the ratchet in a winding direction.

2,188,522
ENSILAGE CUTTER
John B. Alfs, Shickley, Nebr.
Application December 16, 1936, Serial No. 116,182
Renewed August 18, 1938
20 Claims. (Cl. 56—60)



1. An ensilage cutter comprising a wheel supported platform, a shield rising vertically from said platform adjacent one end of the latter and having a shape in top plan presenting a pair of casings and a passage between said casings and closed at its inner end, drums rotatably mounted vertically within said casings and having stalk gathering fingers projecting radially therefrom and working through slots in the wall structure, a stationary cutter bar mounted on the platform across the entrance end of said passage and cutters below the drums and rotatably connected thereto for cutting the standing stalks from the field, and mechanism for actuating said drums and cutters.

2,188,523
PHOTOGRAPHIC OBJECTIVE
Ludwig Bertele, Dresden-Tolkewitz, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application September 14, 1938, Serial No. 229,819
In Germany January 8, 1938
3 Claims. (Cl. 88—57)

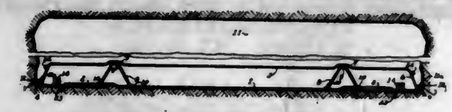


1. A photographic objective, consisting of at least two axially alined collective members surrounded by air and a member between the same forming a meniscus curved toward that collective member facing the object to be photographed, the other collective member being formed of three lenses all cemented together, the center lens of said last named collective member being a bi-concave lens mounted between a concavo-convex lens and a bi-convex lens, said last named two lenses made of refractive mediums having higher refractive indices than the refractive medium of which said bi-concave lens is made, said concavo-convex lens facing said meniscus member.

2,188,524
BASE FOR AIR SEALED VAULTS
Fred Biszants, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application August 24, 1938, Serial No. 226,518
11 Claims. (Cl. 27—35)
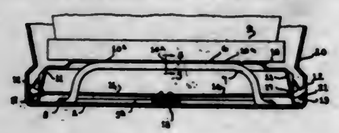
5. In a vault base, in combination, a flat base sheet extending across the vault, a casket sup-

porting cap thereabove comprising a flat sheet parallel to the base sheet extending substantially completely across said base sheet, and means ar-



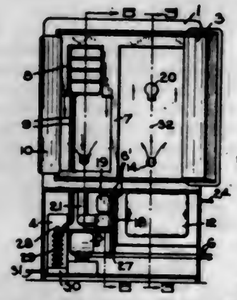
ranged at intervals on said base sheet and extending upwardly therefrom into supporting relationship with said flat sheet.

2,188,525
GRAVE VAULT
Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application January 27, 1939, Serial No. 253,099
6 Claims. (Cl. 27—35)



1. A vault base construction comprising a base plate, a vault supporting plate having a portion thereof resting upon said base plate and permanently attached thereto and providing an air space between said base plate and said supporting plate, said supporting plate having at least one reinforcing rib therein, and a reinforcing arch shaped bar attached to said base plate and contacting said rib thereby transmitting at least a portion of the weight of the casket carried on said supporting plate to said base plate whereby the weight of the casket and vault carried thereby is distributed over a substantial ground-engaging area.

2,188,526
AUTOMATICALLY HUMIDIFIED AND VENTILATED REFRIGERATOR
Henry John Burden, Oakville, Ontario, Canada, assignor to Nelles Investments, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application September 8, 1936, Serial No. 99,786
10 Claims. (Cl. 62—102)



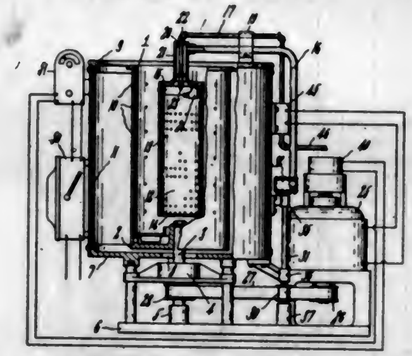
1. In a refrigerator, in combination, a compartment adapted to be maintained at or below freezing temperature, a compartment adapted to be maintained at a temperature above freezing, cooling means disposed in the first mentioned compartment, means for circulating air from the first mentioned compartment through the second mentioned compartment and back to the first mentioned compartment, means for humidifying the circulated air, and means for controlling the operation of the air circulating and humidifying means for maintaining the temperature of the second mentioned compartment and the humidity of the circulated air within predetermined limits.

2,188,527
CEILING STRUCTURE
Pasquale Carilli, Milton, Mass.
Application August 30, 1938, Serial No. 227,455
6 Claims. (Cl. 189—85)



3. As a new article of manufacture, a tile unit for ceilings comprising a rectangular sheet metal member having its middle portion molded to provide a panel-receiving cavity upon the under side thereof surrounded by a flange whose marginal portion is molded with bosses to interlock with complemental bosses provided upon adjacent units, some of said bosses being apertured to receive fasteners by means of which the unit is secured to an overhead support; a panel of fibrous sheet material fitted within said cavity, and means fastening said panel in position therein.

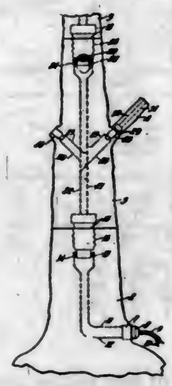
2,188,528
METHOD OF AND MACHINE FOR CONDITIONING STEREOTYPE MATRICES
George M. Clark, Lynn, Mass.
Application December 9, 1936, Serial No. 114,893
5 Claims. (Cl. 210—66)



1. A machine of the class described, comprising a rotatable perforated cylindrical container within which a matrix in soft wet condition may be placed, said container being open at its upper end, a foraminous cage suspended within the container, a gas jet extending into the cage, means for supplying gas to said jet, an igniter for gas located adjacent the jet, a chamber surrounding the gas jet and communicating with the interior of said cage, a blower for blowing air into the chamber and said cage, and a motor for rotating the container and actuating the blower.

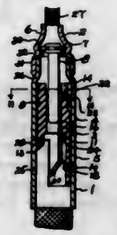
2,188,529
ARTIFICIAL TREE
Angelo Corina, Troy, N. Y.
Application March 16, 1938, Serial No. 196,184
2 Claims. (Cl. 240—10)

1. In an artificial tree of the character described, a plurality of separable trunk sections and limb sections having electrical outlets thereon arranged to simulate portions of a tree; each of said trunk sections being molded and having embedded therein electrical conductors and associated screw threaded means for both electrically and mechanically connecting said trunk sections and limb sections together in tree form-



ing relationship, said means forming male and female connectors so correlated and arranged as always to connect and lock respective sections together with surface zones of one section substantially in the same relation to those of another section and to prevent separation of said sections when said screw threaded means are tightly screwed together whereby positively to lock said sections together in predetermined, relative relationship.

2,188,530
CONTACT MEMBER FOR SOCKETS OF PLUG AND SOCKET DEVICES
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Original application May 15, 1937, Serial No. 142,857. Divided and this application February 1, 1938, Serial No. 188,086
2 Claims. (Cl. 173—363)



1. A one piece contact member for attachment to an insulating support having a notched upper edge; said contact member comprising a substantially tubular body split longitudinally along one side thereof and providing a prong-receiving portion, an integral depending apron extending below said tubular portion on a side remote from said slot and providing a wire-receiving terminal spaced below and in alignment with said prong-receiving portion, a hook-shaped member integral with the prong-receiving portion at the end opposite the wire-receiving terminal and having a part for extension laterally therefrom through the notch in said support and then downwardly a substantial distance in engagement with the back of the support to prevent lateral displacement of the upper end of said prong-receiving portion relative to said support, and additional means integral with said contact member and spaced from said hook-shaped member for engaging said support to prevent upward displacement of said contact member relative to the support and cooperating with said hook-shaped member for maintaining said contact member in proper aligned position on the support.

2,188,531
SEPARATION OF MIXTURES OF HYDROCARBONS
Melvin A. Dietrich, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 19, 1936, Serial No. 80,556
10 Claims. (Cl. 196—13)

1. The method of treating a normally liquid hydrocarbon mixture containing relatively paraffinic and relatively non-paraffinic compounds which comprises extracting the hydrocarbon mixture with a furonitrile to separate the relatively non-paraffinic compounds from the relatively paraffinic compounds.

2,188,532
DOOR LOCK ATTACHMENT
Joseph Dominguez, New York, N. Y.
Application September 24, 1938, Serial No. 231,470
13 Claims. (Cl. 70—145)



1. In a lock attachment for doors provided with a lock having a handle for the inside of the door and means movable by actuation of said handle for locking the door; the combination of a movable bolt adapted to be located at a distance from said locking means, a hollow attachment knob of a shape and size adapted to fit onto and conceal said handle, and to provide a gripping surface for manual actuation thereof, means for securing said knob to said handle, and means operatively connecting said bolt to said knob for positive actuation with said locking means.

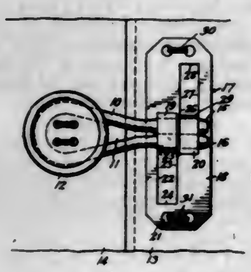
8. An attachment knob of the character described comprising a hollow body having an opening adapted to receive a small knob-shaped handle, said body including means having arcuate-shaped handle-gripping surfaces, and means for tightly clamping a handle against said arcuate-shaped surfaces.

2,188,533
PROCESS OF MAKING FELT
Pierre Drewsen, Sandusky, Ohio, assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 16, 1935, Serial No. 50,152
4 Claims. (Cl. 92—6)

1. The process of making impregnated building felt which comprises mechanically disintegrating cereal straw in substantially its natural condition

in a solution of alkaline reagent selected from the group consisting of caustic soda and sodium carbonate maintained at a temperature of not more than about 50° C. to produce straw fibers of high absorptive capacity, felting said fibers to produce a flexible felt sheet containing the same, and impregnating said felt with waterproofing material.

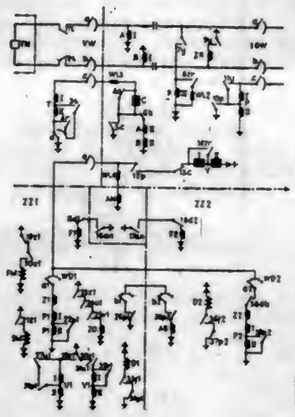
2,188,534
LOOP FASTENER
Florence Durney, Brooklyn, N. Y.
Application December 15, 1938, Serial No. 245,847
9 Claims. (Cl. 24—73)



1. A loop fastener comprising a flat sheet metal holder having sewing holes therein adjacent its periphery and having a pair of longitudinally and transversely spaced rectangular openings therein in inwardly spaced relation to the periphery of the sheet, the material of the sheet removed to form the openings being bent laterally out of the plane of the remainder of the sheet and forming oppositely directed lugs each joined by a bend at one end thereof to the sheet, the end edge at the other end of each one of the lugs being straight and in substantial alignment transversely with the bend of the other of the lugs and said bends being in longitudinally spaced relation to each other and to the ends of the sheet and in transverse spaced relation to each other and to the side edges of the sheet, there being a flat unmutilated portion of the sheet between the outer edges of the lugs and the periphery of the sheet, the length of the sheet being slightly greater than the sum of the lengths of said openings, and the width of the sheet being slightly greater than the sum of the widths of the openings, and an elastic loop having its end portions arranged between the lugs and the remainder of the sheet and extending transversely across the sheet and across said unmutilated portion and held by said lugs.

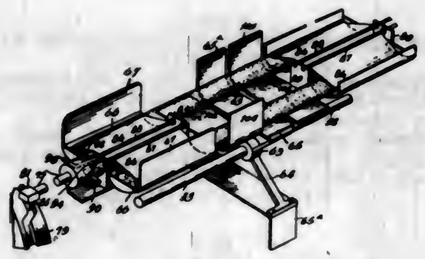
2,188,535
MEASURED SERVICE TELEPHONE SYSTEM
Erich Feist, Berlin-Charlottenberg, and Rudolf Nebelung, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application May 25, 1936, Serial No. 81,624
In Germany June 13, 1935
17 Claims. (Cl. 179—7.1)

1. In a measured service telephone system, lines, a registering device, designations in said device corresponding to each of said lines, call charging means for transmitting one or more unit charges to said device in accordance with the value of a completed connection including a calling one of said lines, and means for recording



the designations of said calling line once for each unit charge transmitted to said device.

2,188,536
APPARATUS FOR TWISTING DOUGH
Martin E. Fonken, Beloit, Wis., assignor of one-half to L. E. Caster, Rockford, Ill.
Application February 2, 1939, Serial No. 254,262
16 Claims. (Cl. 107—8)

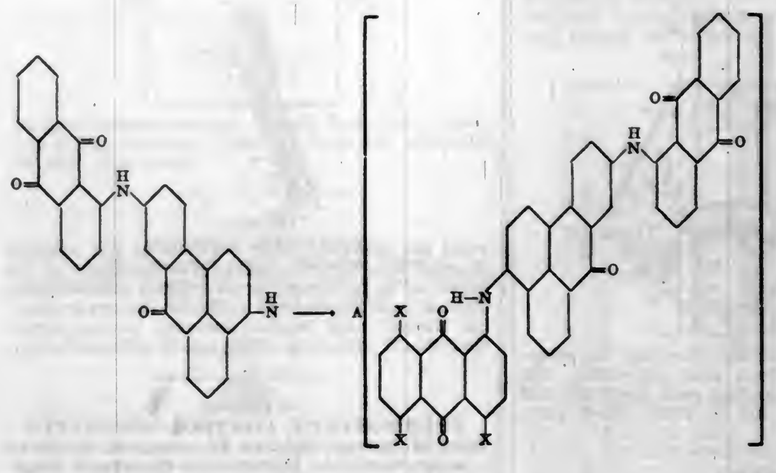


1. A twisting apparatus embodying a rotatable frame; a receptacle carried by and movable with said frame, said receptacle adapted to receive a plurality of strips; means for holding end portions of the strips; and means for bodily rotating said receptacle and certain of said holding means with respect to said frame during rotation of said frame.

2,188,537
DI-BENZANTHRONE-ANTHRAQUINONE-DI-ACRIDINES
Donald P. Graham, Wilmington, Del., and Cullen G. Frey, West Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 16, 1938, Serial No. 246,175
4 Claims. (Cl. 260—274)

1. The dyestuffs resulting from the caustic

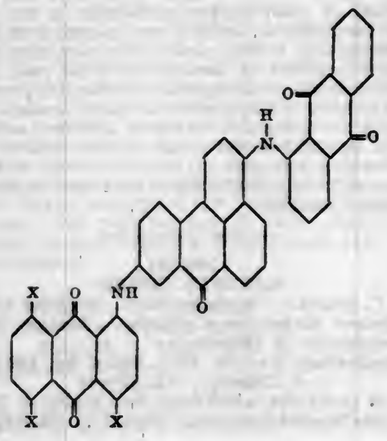
alkali condensation of the products of the following general formula:



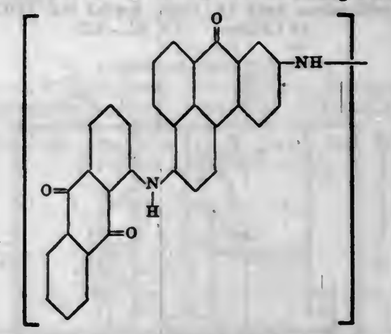
in which linkage A is attached to one of the X positions and the remaining X's represent hydrogen, which dyestuffs dye cotton from a black vat in olive shades of excellent general fastness properties.

2,188,538
VAT DYESTUFFS OF THE BENZANTHRONE-ANTHRAQUINONE-ACRIDINE SERIES
Donald P. Graham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 16, 1938, Serial No. 246,176
4 Claims. (Cl. 260—274)

1. The dyestuffs resulting from the caustic alkali condensation of the products of the following general formula:



in which one X represents the following radical:

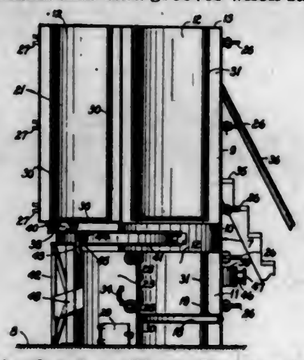


and the remaining X's represent hydrogen, which dyestuffs dye cotton from a black vat in olive shades of excellent fastness properties.

2,188,539
UNIVERSAL METAL MELTING FURNACE
William A. Huber, Belleville, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo., a corporation of the United States
Application June 7, 1939, Serial No. 277,751
5 Claims. (Cl. 266—24)

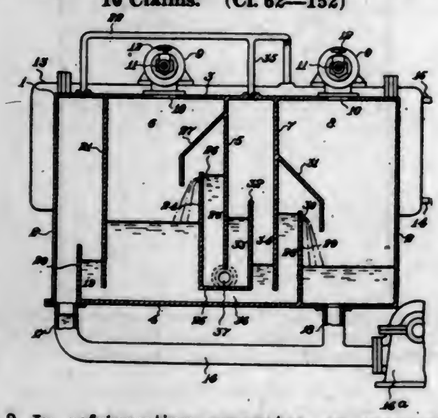
1. A furnace comprising a stationary shell made with three portions in vertical alignment permanently secured together, the upper and lower portions having lateral sections cut away, doors secured to the upper and lower shell portions so as to selectively permit the closure of the cut away sections of said shell, a single track secured to the middle stationary shell portion, a U-shaped channel secured to the lower portion of said upper door, a roller secured to said channel, an arm secured to the lower portion of said lower door, a roller secured to said arm, both of said rollers being in engagement with said track,

projecting ribs formed on said doors, grooves formed on the upper and lower portion of said shell, said projecting ribs and grooves so formed, dimensioned and positioned that said projecting ribs will extend into said grooves when said doors



are in their closed positions, fire clay for selectively positioning between said projecting ribs and said grooves for sealing said doors to said shell when said doors are in their closed positions.

2,188,540
REFRIGERATING APPARATUS
Alfred D. Karr, Newark, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 14, 1938, Serial No. 219,175
10 Claims. (Cl. 62—152)



2. In refrigerating apparatus, an evaporator having a primary chamber and a secondary chamber, means to reduce the pressure in the chambers and to selectively render any chamber inactive, means to supply refrigerant directly to the primary chamber when the primary chamber is active and directly without entering an inactive chamber to the secondary chamber when the primary chamber is inactive, and means to supply refrigerant from the primary chamber to the secondary chamber when both chambers are active.

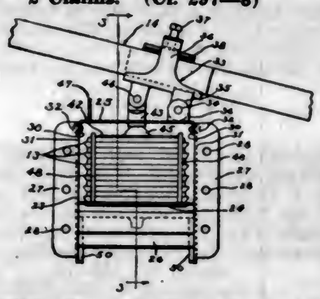
2,188,541
JOURNAL BOX SEAL
Morris Keys, Chicago, Ill.
Application November 15, 1937, Serial No. 174,635
4 Claims. (Cl. 308—50)

1. A sealing attachment for application to the inside cover portions of a railway journal box, said attachment including a flat backing member, formed to fit into the journal box adjacent the cover opening thereof, a sealing mat of a yieldable material attached to said backing member and having edge portions extended be-



yond the marginal edge portions of the backing member in a direction parallel to the plane of the latter so as to scrape against inner surface portions of said journal box adjacent the cover opening thereof, said backing member having means thereon for attaching engagement with said cover.

2,188,542
THERMOSTATIC CONTROL APPARATUS
John M. Larson, Chicago, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 30, 1936, Serial No. 71,567
2 Claims. (Cl. 297—8)

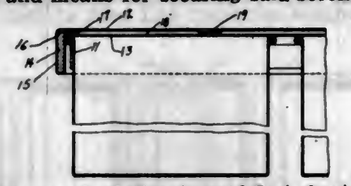


1. A regulator for controlling a heater, in combination, a housing, diaphragm means in said housing, a lever holder pivotally mounted to the outside of said housing, an actuator member extending from said diaphragm means through said housing to said lever holder for rocking said lever holder about its pivot upon expansion and contraction of said diaphragm means, a two part lever mounted on said lever holder, said lever holder having a loop portion for receiving overlapping portions of the two parts of said lever, and means for securing said overlapping portions to said lever holder, said securing means comprising an elongated clamping member extending along and bearing on the upper edges of both overlapping portions of the lever, and a screw threaded in said loop portion and bearing on said clamping member.

2,188,543
BAKEPAN COVER
Ray C. Oltman, Pasadena, Calif., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1937, Serial No. 142,085
6 Claims. (Cl. 53—6)

1. A cover for a bakepan comprising a frame, a metallic sheet secured thereto at its edges, a

second sheet adapted to coact with said first sheet, and means for securing said second sheet



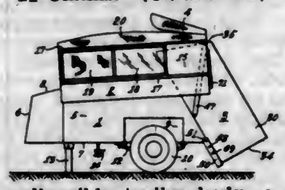
in fixed spaced relation to said first sheet including bosses stamped inwardly from the underside of said first sheet.

2,188,544
BRUSH STRUCTURE
Paul Clarence Scott, Omaha, Nebr.
Application August 8, 1938, Serial No. 223,714
1 Claim. (Cl. 51—186)



The combination of a handle of resilient material having a socket, with a stick of coloring material having its greater portion seated in the socket and thus protected by the handle and having a short portion projecting from the socket, abrasive on the projecting end surface of the stick, means for covering and protecting part of the projecting portion of the stick adjacent the abrasive, whereby the handle can be used to manipulate the stick for applying the abrasive without breaking the stick or touching it with the hand.

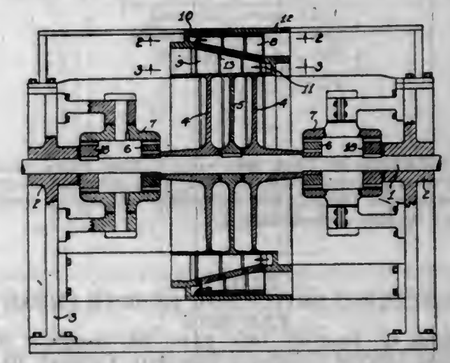
2,188,545
TRAILER
Le Roy Smelker, Dayton, Ohio
Application October 14, 1937, Serial No. 168,983
11 Claims. (Cl. 296—26)



1. In a collapsible trailer body, a stationary body member, a movable body member, a movable vestibule member, and means for extending and/or collapsing said body including link means connecting said movable body member with said vestibule member, constant length cable means connecting said movable body member with said vestibule member, bar means swingable on said stationary body member, link means connecting said bar means with said vestibule member, windlass means supported for rotation by said bar means, and variable length cable means connected to said vestibule member and said windlass means.

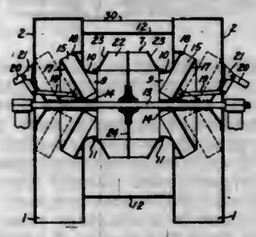
2,188,546
FLUID MOTOR
Hugo A. J. Thiesen, St. Louis, Mo.
Application October 14, 1937, Serial No. 168,875
2 Claims. (Cl. 253—16.5)

1. In a fluid motor, a rotory shaft, a plurality of wheels arranged alternately loose and tight on said shaft, means for transmitting the rotary movement of said loose wheels to said shaft so as to rotate the shaft in addition to the force of said fixed wheels, each wheel having two sets of circumferentially arranged vanes thereon and oppositely directed, the vanes of one set being radially spaced relative to those of the other set, means for admitting fluid to the outermost



set of vanes to drive the shaft in one direction and to the innermost set to drive it in the opposite direction, the outlets of said vanes extending past the intake of the adjacent wheel, and the consecutive wheel portions intermediate said sets of vanes having a plurality of cooperating ribs extending past one another free of inter-engagement.

2,188,547
DUST COLLECTOR
Edward L. Anderson, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application March 9, 1937, Serial No. 129,879
6 Claims. (Cl. 230—114)

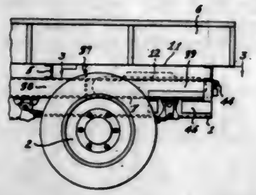


1. In combination, a fan, a vortex chamber, and means for adjustably controlling the volume of air leaving the vortex chamber and entering the fan, said adjustable means including at least one passageway formed by a plurality of walls fixed with relation to each other, the passageways formed by the fixed walls being adjustably movable axially of the fan across said vortex chamber.

2,188,548
VEHICLE
Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Original application March 31, 1938, Serial No. 199,214. Divided and this application November 28, 1938, Serial No. 242,675
2 Claims. (Cl. 296—37)

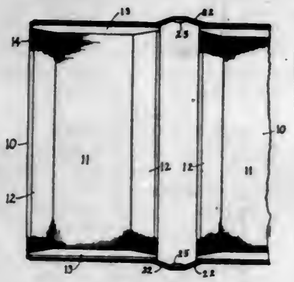
1. In combination, a truck frame, a body, subframe members longitudinally disposed for sup-

porting said body on said truck frame, the rear ends of said sub-frame members bent outwardly to form an enlarged space therebetween, means to form a compartment having a rear opening



and located between said longitudinal sub-frame members, a rear closure for said compartment, and means therein for retaining articles in position in the compartment.

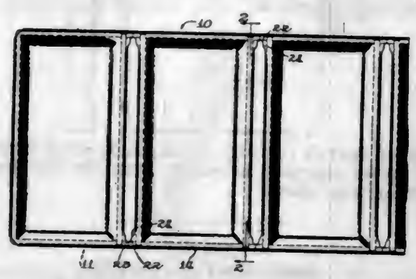
2,188,549
CENTERING DEVICE FOR HEARTH BREAD PAN SETS
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1937, Serial No. 170,524
6 Claims. (Cl. 53—6)



1. The combination with a plurality of baking pans each having upwardly and outwardly inclined end walls and relatively low upwardly and outwardly inclined side walls, said pans being arranged in spaced parallel relation with the corresponding end walls aligned one with the other, a strap positioned against the outer surfaces of said end walls and secured thereto to combine said pans in a set, stops associated with said straps to limit the depth of nesting of said set in a subjacent set, and means projecting laterally from the plane of the strap and above the level of the upper edges of the side walls of the pans for externally engaging entering portions of a superposed pan set when said sets are in nested relation for maintaining predetermined spaced relation between the walls and elements of said pans when nested.

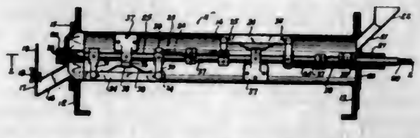
2,188,550
BAKING PAN SET CONSTRUCTION
Joseph G. Jackson, Oak Park, and Jacob Kollman, Chicago, Ill.; said Jackson assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1937, Serial No. 142,106
13 Claims. (Cl. 53—6)

1. The combination with a plurality of spaced baking pans, of a strap having apertures therein at points corresponding to the spaces between pans, wires at the edges of the adjacent walls of adjoining pans having their terminals seated in the apertures aforesaid and bent at their ends



to rest against the outer faces of the straps aforesaid, and means on said straps for covering the bent terminals of said wires.

2,188,551
FROZEN CUSTARD MAKING MACHINE
Carl Kaltenbach and Ludwig Schmitt, New York, N. Y.
Application April 22, 1939, Serial No. 269,470
2 Claims. (Cl. 259—9)

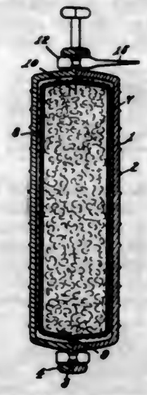


1. In a machine for making frozen custard, a cylinder, a removable rotor therein including an axially mounted shaft, a plurality of scraper blades disposed in a longitudinal series along the cylinder wall, the successive blades being successively angularly spaced for reducing strain on the shaft, mixing paddles, hub members mounting said paddles on the shaft so that each paddle is on a side of the shaft generally opposite to an adjacent blade, pairs of arms secured to the shaft so that each pair removably carries a scraper blade, said arms being generally radially slotted, pins on each scraper blade externally laterally engaging said arms so as to prevent endwise movement of the scraper blades and to permit the scraper blades to be freely removed from said arms upon removal of the rotor from the cylinder, there being one of said hub members intermediate of the arms of each pair, and a leaf spring mounted on each hub member to provide spring fingers bearing outwardly on each scraper blade so as to eject the latter from the slots of its arms upon removal of the rotor from the cylinder.

2,188,552
FASTENING DEVICE
John H. King and Royal R. Wotring, Indianapolis, Ind.
Application August 7, 1936, Serial No. 94,732
1 Claim. (Cl. 5—1)

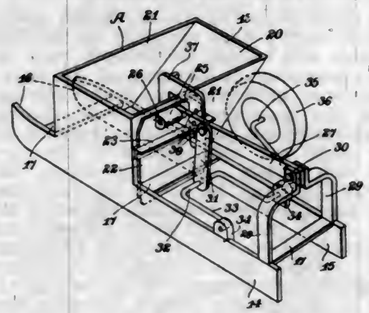
A fastener for the edges of a bumper mat having a pair of pancake-like cover members formed of rubber and each having an annular flange, the flanges being adapted to lie adjacent to one another and having coinciding openings, comprising a bar adapted to extend through said openings and having at each of its opposite ends a head greater in diameter than the bar, and

one of the heads being provided with a tapered tail considerably longer than the bar and



adapted to be cut off after the fastener has been secured in position.

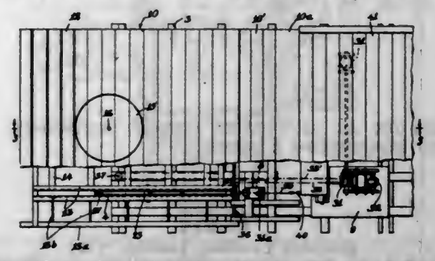
2,188,553
PAVING MATERIAL SPREADER
Verne Lathrop, St. Paul, Minn., assignor to Culligan-Weinhagen Company, Inc., St. Paul, Minn., a corporation of Minnesota
Application January 20, 1938, Serial No. 185,903
5 Claims. (Cl. 94—44)



1. A paving material spreader adapted to be drawn along the edge of a strip of pavement, said spreader including a hopper, adjustable gate means for spreading the material within said hopper as the same is moved along the edge of the pavement, and gauge means substantially in alignment with said gate engaging the surface of the pavement along which said hopper is drawn for adjusting the position of said gate to raise and lower the same in accordance with the height of the pavement.

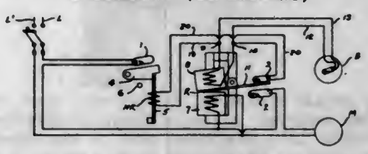
2,188,554
MARINE CRAFT LANDING AND LAUNCHING DEVICE
Vito Marianno, New York, N. Y.
Application January 11, 1938, Serial No. 184,404
9 Claims. (Cl. 114—43.5)

1. A variable slope marine craft landing and launching device comprising a horizontal stage portion and an inclined end portion, an understructure therefor, a set of forward and inclined tracks and a rear set of inclined tracks at a higher level, at a different angle and terminating in horizontal portions, the said tracks being secured to said understructure, a movable carriage normally horizontally coextensive with the said stage portion and having supporting and depending wheels secured to said tracks, the rear end of said carriage being movably supported on said inclined end portion, means below the movable carriage to project and tilt the same whereby the forward landing and launching end thereof is immersed below the water line, the



water thereabove forming the landing and floating area for a craft adapted to be scooped up and launched respectively, the carriage in such projected position in cooperation with the inclined end portion forming a continuous runway with the said stage portion, the said means also being adapted to lift and straighten the said carriage carrying the craft to a horizontal and coextensive position with the said stage.

2,188,555
SAFETY DEVICE FOR ELECTRICALLY CONTROLLED APPARATUS
Ira E. McCabe, Chicago, Ill.
Application January 3, 1938, Serial No. 182,975
6 Claims. (Cl. 158—28)

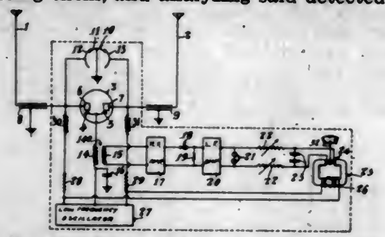


1. An electrically actuated safety device for electrically operated and controlled mechanisms comprising in combination, a circuit for said mechanism including an electrically operated control switch, a low voltage operating circuit having a source of supply and operating means for the control switch and an operating control in the low voltage circuit for controlling the operation of said means, an electrically actuated circuit breaker for the controlled circuit and a switch in circuit with the actuator of the circuit breaker arranged for associated operation with the control switch to close therewith, said circuit breaker actuator circuit so interposed in the low voltage operating circuit that it is shunted upon closure of the circuit through the operating control and energized upon opening of said circuit and the circuit breaker actuator switch remaining closed.

2,188,556
RADIO COMPASS SYSTEM
Frederick E. Nickel, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application August 3, 1936, Serial No. 93,983
14 Claims. (Cl. 250—11)

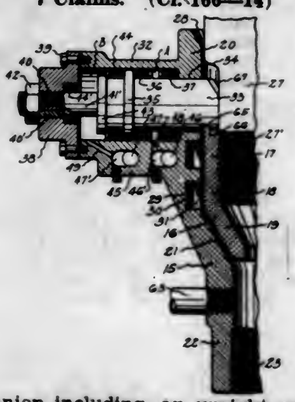
2. The method of detecting phase differences between two high frequency, alternating currents which comprises alternately interrupting said currents at periodic intervals for equal periods

of time, combining said interrupted currents and detecting them, and analyzing said detected cur-



rent for an alternating current component of said interrupting frequency.

2,188,557
UNION
Herbert C. Otis, Dallas, Tex.
Application January 10, 1938, Serial No. 184,134
7 Claims. (Cl. 166—14)



1. A union including, an upright open ended receiving member, a keeper member arranged to be lowered into the open end of the receiving member and to be coupled to the latter, a movable locking element carried by the receiving member and co-acting with the keeper member to lock said members together when moved into locking position, fluid pressure actuating means for moving said locking element into locking position, and fluid pressure actuating means for retracting said element from its locking position, the receiving member having its bottom spaced from the bottom of the keeper member when the keeper and the locking element co-act to lock said members together, whereby said keeper member is free to move downwardly from the locking element when the well pressure is released below said keeper element.

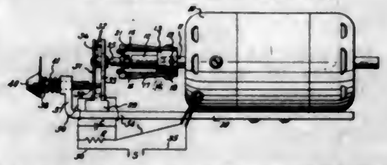
2,188,558
MULTIPLE PIE PLATE HOLDER
Dennis W. Smith, Chicago, Ill., assignor to Colborne Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1939, Serial No. 271,928
5 Claims. (Cl. 107—1)

1. A pie plate unit comprising a plurality of circularly arranged and laterally spaced plates, connecting straps between the adjacent sides of the plates, extending above the plates and formed with central shoulders between the plates; and a holder for the plate unit comprising a corresponding plurality of rings formed with crust shearing edges at the top of the rings, the crust shearing edges each being cut away to receive said connecting straps so that said central shoulders provide for continuations of the crust shearing edges, inner annular plate rests on the holders below the crust shearing edge,



and vertical slots in the sides of the holders below the plate rests, in combination with an ejector having radiating arms extending through the slots into the rings, and means for vertically reciprocating said ejector.

2,188,559
GOVERNOR
Carl C. Taylor, Brownwood, Tex., assignor to Educational Laboratories, Inc., Brownwood, Tex., a corporation of Texas
Application August 18, 1936, Serial No. 96,671
11 Claims. (Cl. 200—80)



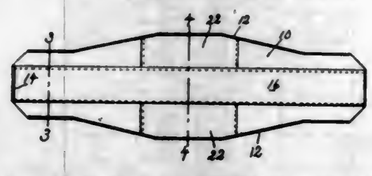
2. A governor for an electric motor including, a body arranged to be mounted on the shaft of the motor and having an elongate bore, means slidably supported in the bore of the body and movable with relation thereto, movable arms carried by the body and actuated by centrifugal force produced by the speed of rotation of the motor shaft and connected with the movable means for moving said means, means on the body for limiting the action of said arms, a switch assembly mounted independently of the motor, motor shaft and body and operated by the movable means, and means for adjusting said switch assembly with relation to said movable operating means, whereby the movement of said means to operate the switch assembly may be varied.

2,188,560
PANEL
Edwin T. Todd, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 10, 1938, Serial No. 194,989
3 Claims. (Cl. 155—180)



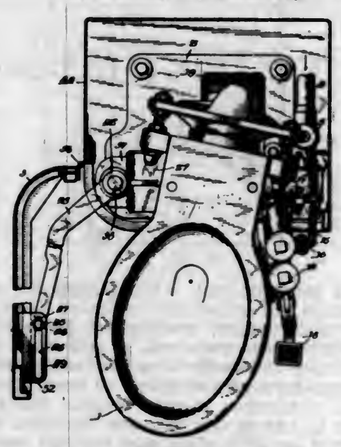
1. A panel having a marginal groove cross-sectionally arcuate and greater than semi-circular, a sheet disposed over a surface of the panel, and an elongated member comprising cross-sectionally arcuate and springable toothed portions connected by relatively narrow bendable portions, said elongated member being disposed over the sheet and sprung into the groove between the walls thereof.

2,188,561
SUBFRAME MEMBER FOR VELOCIPEDES
Bert J. Anderson, Hammond, Ind.
Application June 18, 1937, Serial No. 148,842
2 Claims. (Cl. 280—291)



1. A subframe for velocipedes comprising a stamping adapted to be positioned against the under side of a deck plate, said stamping having downwardly turned side edges adapted to engage the inner surface of a deck plate, a depressed surface in the central portion of said stamping providing accommodations for housing backbone-securing-means when a backbone is secured to said deck plate, an axle receiving formation extending from one end of said stamping to the other end thereof, and each end of said stamping being turned at right angles to the body thereof for attachment to the downwardly turned ends of a deck plate.

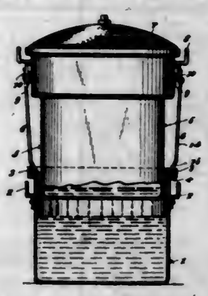
2,188,562
ACTUATING MECHANISM FOR A PLUMBING FIXTURE
Leif Andersen and Edward A. Fredrickson, Chicago, and Roy H. Zinkil, Oak Park, Ill.
Application October 28, 1938, Serial No. 237,434
9 Claims. (Cl. 4—10)



1. A plumbing fixture actuating mechanism comprising, in combination, a plumbing fixture having a source of supply and discharge means, horizontally journaled supports for the said fixture, an enclosure for the said fixture, lever means cooperating with the said enclosure and the said supports, whereupon opening of the enclosure pivotal movement of the fixture in a substantially vertical plane is obtained.

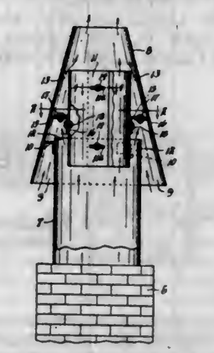
2,188,563
COOKING UTENSIL
Samuel V. Anzalone, Watertown, N. Y.
Application February 28, 1939, Serial No. 259,025
3 Claims. (Cl. 53—1)

1. In a cooking utensil, the combination of a primary receptacle provided with an annular rim having a shoulder, an auxiliary receptacle within said primary receptacle, and means attached to the side of said auxiliary receptacle and engag-



ing said shoulder of the rim and also a portion of the auxiliary receptacle contiguous to said rim for holding said auxiliary receptacle in a raised position.

2,188,564
DRAFT REGULATOR FOR CHIMNEYS
Edward N. Berg, Minneapolis, Minn., assignor of one-half to Floyd F. Schultz, Minneapolis, Minn.
Application February 8, 1939, Serial No. 255,269
7 Claims. (Cl. 98—78)

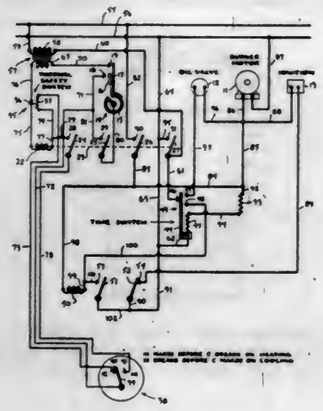


1. A draft-controlling device for a tubular smoke stack comprising, a tubular element smaller in diameter than a stack with which it is associated, said element being supported in co-axial, partially telescoped, inwardly spaced relation with the upper end of said stack, and a downwardly divergent frusto-conical element supported in co-axial and spaced encircling relation with said tubular element and the upper portion of said stack and having open upper and lower ends.

2,188,565
FUEL BURNER CONTROL SYSTEM
George D. Bower, Columbia Heights, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 8, 1938, Serial No. 223,591
10 Claims. (Cl. 158—28)

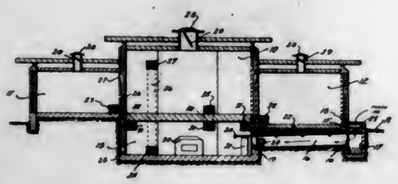
1. In a fuel burner control system, a burner motor, fuel control means, ignition means, a timer, and condition responsive means for energizing the timer, burner motor, and ignition means, said timer successively energizing said fuel control means and deenergizing said igni-

tion means, said condition responsive means being capable of simultaneously deenergizing said



burner motor and fuel control means independently of said timer.

2,188,566
AIR CONDITIONING SYSTEM FOR BUILDINGS
Frederick C. Cowderoy-Dale, Dallas, Tex.
Application April 12, 1937, Serial No. 136,360
4 Claims. (Cl. 98—33)



1. An air conditioning system for a building including, a central air chamber beneath said building, means for supplying fresh outside air to the chamber, means for cooling the air entering the chamber, means within the chamber for heating the air therein, a conductor communicating with the lower portion of the chamber for conducting the cooled air to the interior of the building, a second conductor communicating with the upper end of the chamber for conducting heated air from the chamber to the interior of the building, means for closing the first named conductor when the heating means is operating, and means for closing the other conductor when the air in the chamber is being cooled.

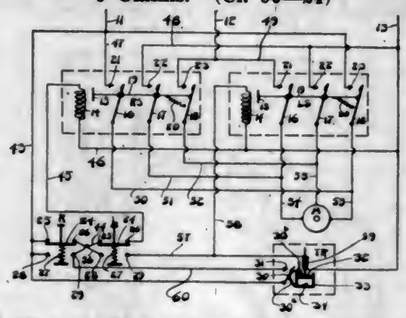
2,188,567
POSITIVE STOP ABRADING TOOL
Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application March 12, 1937, Serial No. 130,560
2 Claims. (Cl. 51—184.3)

1. An abrading tool provided with a plurality of radially movable abrading elements, a hollow spindle supporting said elements, a cone for effecting expansion of said elements, means for operating said cone, a headed shaft independent of said operating means carried by said cone, a shoulder cylinder within which the head of said



shaft is movable, and means for adjusting said cylinder relative to said hollow spindle.

2,188,568
RAIL LEVELING MECHANISM FOR PLANERS AND THE LIKE
John E. Doran, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application February 17, 1939, Serial No. 256,864
9 Claims. (Cl. 90—24)

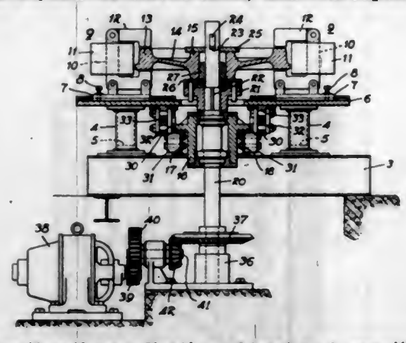


1. In a machine tool, a tool supporting structure, a cross rail adjustably mounted on the tool supporting structure, mechanism for elevating and lowering the cross rail, a source of power for operating the mechanism, manual means for controlling the source of power to lower the cross rail, and automatic means causing the source of power to run in the opposite direction a predetermined amount after said manual means is operated to stop the lowering of the cross rail.

2,188,569
METHOD OF TREATING METAL WHEELS
Louis E. Endsley, Pittsburgh, Pa., assignor to Edgewater Steel Company, Oakmont, Pa., a corporation of Pennsylvania
Application January 14, 1938, Serial No. 184,984
4 Claims. (Cl. 148—10)

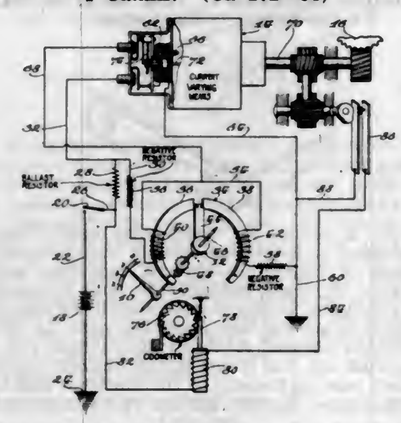
1. The method of relieving stresses in a finished wheel that has a hub portion, a rim portion and a plate portion, which comprises heating the rim by induced electrical currents to a temperature below any temperature at which the rim would be appreciably softened, but to such degree in excess of the temperature of the plate that

it will expand sufficiently to strain the plate portion beyond its elastic limit, and thereupon in-



terrupting the application of heat and permitting the rim to become cooled.

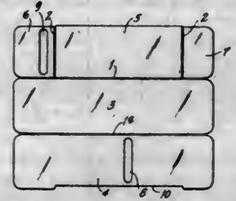
2,188,570
ARMATURE FOR ELECTRIC SPEEDOMETERS
Willard H. Farr, Chicago, and George E. Coxon, Cicero, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 3, 1937, Serial No. 128,734
4 Claims. (Cl. 171—95)



2. An armature comprising a pair of oppositely extending tapered armature portions having the ends of lesser magnetic reluctance joined by a portion of substantially greater magnetic reluctance.

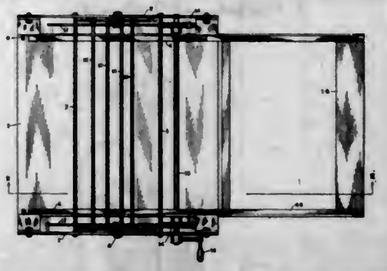
2,188,571
FOLDING CHECK BOOK COVER
Milton A. Heinzelman, Webster Groves, Mo.
Application November 4, 1937, Serial No. 172,727
5 Claims. (Cl. 281—19)

3. A folding check book cover made from a one-piece blank comprising a middle section having a single full length flap along one side thereof and end and intermediate flaps along the opposite side thereof, the end side flaps being folded over the end portions of said middle section, the single full length side flap being folded over said middle section and said folded end side flaps and the intermediate side flap being folded over said single full length side flap, said folded side flaps being secured to said middle section adjacent to their lines of folding and said folded intermediate side flap cooperating with said folded single full length side flap to form an open-ended passageway that terminates short of the ends of the cover and is adapted to receive at one end the anchoring end of a check pad and at the other end a pass book, said cover being adapted to be



folded to pocket size along a line located intermediate between said ends of said passageway, and said folded single full length side flap having an elongated slot therein that extends along such line of folding.

2,188,572
AIR FILTER LOADER
Thomas R. Hughes, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application April 5, 1937, Serial No. 135,100
10 Claims. (Cl. 93—1)

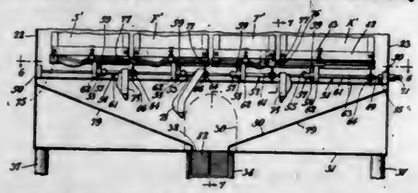


1. A loader for air filters of the type having a corrugated filter-medium support, said loader having a loading area through which said support passes, during the loading operation, with its corrugations extending sequentially along the line of motion, comprising: a frame; a series of operating elements extending transversely of said line of motion; element engaging guide means mounted on said frame to guide said elements along prescribed paths extending into and out of said loading area; and means for moving said elements along said paths and in a sequence such that successive elements are adapted to enter successive corrugations of a support passing through the loading area, pass to the bottom thereof and remain at the bottom until the succeeding element enters and passes substantially to the bottom of the succeeding corrugation.

2,188,573
DISPENSING
Salvatore Longo, New York, N. Y.
Application April 9, 1938, Serial No. 201,116
7 Claims. (Cl. 312—63)

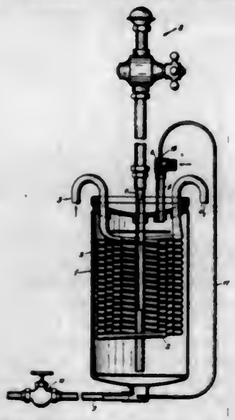
1. A machine of the kind described, comprising a holder for an article to be dispensed, said holder including means for maintaining a plurality of like articles in vertically stacked relation, said articles being elongated and of considerably different shapes at opposite ends and being individually horizontally arranged with each article in the stack directly vertically below

another therein; a housing for the holder for protecting the articles against contaminating contact, said housing having an opening; a receptor adjacent to said opening; means manually operable from the exterior of the housing for swinging an end article in the stack laterally of



the stack thereby first to free one end of said article from the stack and then to free the remainder of said article from the stack; and means for guiding the thus freed article to said receptor for manual removal therefrom by way of said opening.

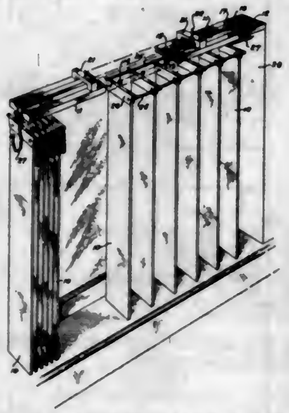
2,188,574
REFRIGERATED LIQUID DISPENSER
Lee C. Love, Columbus, Ohio, assignor to The Ebco Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application July 19, 1939, Serial No. 285,259
6 Claims. (Cl. 62—141)



1. A refrigerated liquid dispenser comprising a closed container for accommodating a liquid to be cooled and dispensed, a refrigerating element in said container, a liquid supply conduit opening into said container adjacent to one end thereof, a valved outlet conduit leading from said container, and a pressure relief conduit leading from the other end of said container to said supply conduit for establishing permanent communication therebetween.

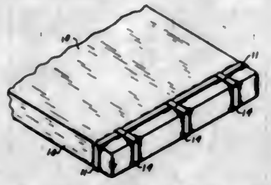
2,188,575
WINDOW BLIND
John A. McLennan, Sausalito, Calif.
Application September 17, 1938, Serial No. 230,431
6 Claims. (Cl. 156—17)

1. In an adjustable window blind, a horizontally disposed frame member having a longitudinally extending slot therein, a plurality of slidable members spanning the slot in said frame, each of said slidable members having a dependent member projecting through said slot in said frame, upper and lower rows of slats arranged in vertical axial alignment, the uppermost row of slats being pivotally connected to the dependent members on said slidable members, the lower-



most row of slats being pivotally connected to the bottoms of the slats in the upper row.

2,188,576
HARNESS FOR BEDCLOTHES
Mary Elizabeth Mulloy, Denver, Colo.
Application September 11, 1939, Serial No. 294,258
6 Claims. (Cl. 5—320)

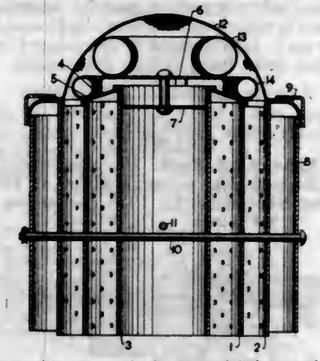


1. In a device for harnessing bedclothes to mattresses, a length-adjustable belt adapted to encircle a bedclothes-covered mattress and a plurality of straps having both ends in engagement with, but slidable longitudinally of said belt, whereby when the belt encircles, near its end, a bedclothes-covered mattress said straps will extend from the top reach to the bottom reach of the belt around the end of the mattress and bind the clothes to the end portion of the mattress.

2,188,577
OIL BURNER
Arthur Whittaker Richardson, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 23, 1937, Serial No. 181,270
In Great Britain December 30, 1936
1 Claim. (Cl. 158—86)

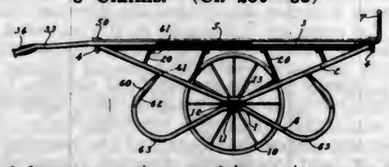
In an oil burner of the perforated drum type, the combination comprising vertical coaxial perforated tubes, an imperforate cylindrical casing surrounding said perforated tubes, an imperforate central air tube extending above the upper edge of said perforated tubes, a deflection plate greater in diameter than the diameter of said central air tube mounted in spaced relationship opposite the upper end of said central air tube, a sloping annular cover joining the upper edge of the innermost of said perforated tubes to the upper edge of said central air tube, perforations in the outer edge of said annular cover a helix of wire mounted around the upper edge of said deflection plate, a second helix of

wire mounted on said annular cover and disposed over the perforations therein and a wire



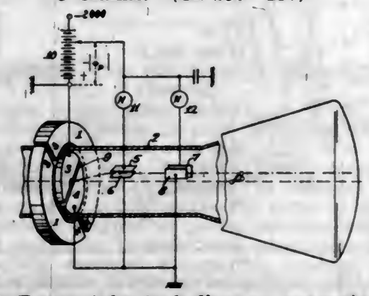
gauze mantle mounted on said imperforate cylindrical casing, arranged and disposed to cover said wire helices.

2,188,578
LUGGAGE CART
John Robinson, Seattle, Wash.
Application August 13, 1938, Serial No. 224,808
8 Claims. (Cl. 280—53)



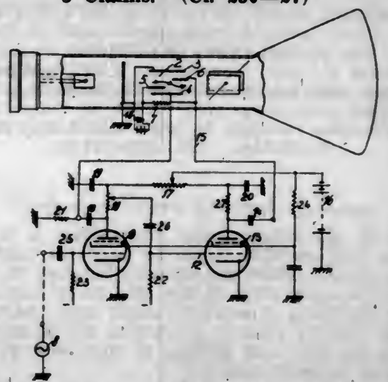
1. A luggage cart comprising a transverse axle and wheels thereon, two continuous tubes spaced apart and mounted inside the wheels upon the axle, inclined upwardly therefrom both forwardly and rearwardly to points above the top of the wheels, transverse tubes joining the inclined tubes at front and rear, and projecting outwardly therefrom to the planes of the wheels, longitudinal tubes rigidly joined at each side to the ends of the transverse tubes, and lying above and in the general plane of the wheels and a luggage-supporting deck supported from the structures thus formed.

2,188,579
CATHODE RAY TUBE, MORE PARTICULARLY FOR TELEVISION PURPOSES
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application May 19, 1934, Serial No. 726,477
In Germany May 27, 1933
8 Claims. (Cl. 250—157)



1. A Braun tube including an evacuated envelope, means for producing a cathode ray directed substantially along the axis of said envelope, a picture receiving screen, and pole shoes mounted entirely within said envelope to extend substantially in a cross-section of said envelope from a close vicinity of the wall of said envelope to a close vicinity of said ray; means for producing a magnetic field mounted outside said envelope and arranged in operative relationship to said pole shoes but mechanically separated therefrom by the wall of said envelope.

2,188,580
CATHODE RAY DEFLECTING CIRCUIT
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Original application March 26, 1934, Serial No. 717,307, now Patent No. 2,077,271, dated April 13, 1937. Divided and this application November 3, 1936, Serial No. 108,950. In Germany March 29, 1933
3 Claims. (Cl. 250—27)

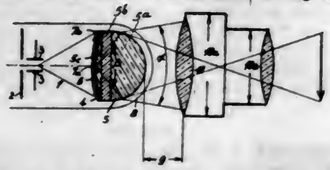


1. Connection device for operating the electrostatic deflecting system of a Braun tube comprising two outer plates and two middle plates, said device consisting of a circuit comprising means for producing an alternating voltage, an amplifier tube having a cathode, an anode, and a control grid, means for applying said alternating voltage to said control grid, a first anode resistance having one of its ends directly connected to said anode, so that an alternating potential may be taken from this end, a tap on said anode resistance, a phase-reversing tube having a cathode, an anode, and a control grid, means for coupling the control grid of said phase-reversing tube to said tap, a second anode resistance having one of its ends directly connected to the anode of said phase reversing tube so that a further alternating potential reversed in phase with respect to the first said alternating potential may be taken from the last mentioned end, means for adjusting said tap to make the amplitude of the second said alternating potential relative to a fixed potential equal to the amplitude of the first said alternating potential relatively to the same said fixed potential.

2,188,581
CATHODE RAY TUBE
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application April 20, 1937, Serial No. 137,897
In Germany April 22, 1936
3 Claims. (Cl. 250—164)

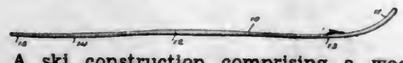
1. In a cathode ray tube for the purpose of

projection having a hemispheric end portion, a substantially flat luminous screen arranged about at the base of said hemisphere, and a nearly hemispheric lens practically filling out the space between said screen and the hemisheric wall of said tube, said lens being slightly



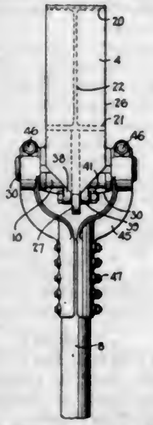
convex on the side opposite to said end portion and being covered with said luminous screen, said lens being composed of a hemispheric part, a plano-parallel disc and a thin plano-convex lens, all of the same diameter, the convex side of the latter lens being covered by luminescent material so as to form said luminous screen.

2,188,582
SKI CONSTRUCTION
William F. Serr, New York, N. Y., assignor of forty-nine per cent to Eric Pusinelli, New York, N. Y.
Application October 2, 1936, Serial No. 103,639
8 Claims. (Cl. 280—11.13)



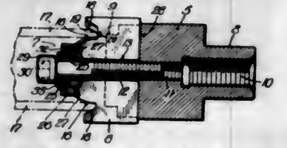
1. A ski construction comprising a wooden base and metallic edges to reinforce said base and enable better engagement between the base and the snow when in use, said metal edges taking the form of extruded right angle bars, said bars having flanges extending perpendicularly into the side and bottom of said base at right angles to each other.

2,188,583
WALKING BEAM BEARING AND HANGER
Walter C. Trout and Ernest M. Tollefson, Lufkin, Tex., assignors to Lufkin Foundry & Machine Company, a corporation of Texas
Application January 11, 1937, Serial No. 120,048
17 Claims. (Cl. 308—21)



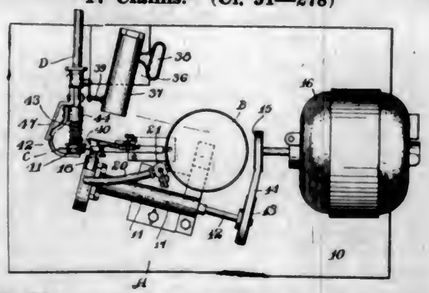
1. In a well pumping apparatus a bearing connection to transmit power and accommodate misalignment of the parts comprising a shaft and a bearing therefor, said bearing including a bushing member, an arcuate surface thereon, means engaging said surface to support said member including a pair of parallel anchor plates, and a plate transversely of said shaft and bearing and to which said means is connected whereby the bearing may have tilting movement.

2,188,584
REAMER
John J. Tyne, Oak Park, Ill., assignor to Tyne Co., Chicago, Ill., a corporation of Illinois
Application September 22, 1938, Serial No. 231,213
3 Claims. (Cl. 77—73)



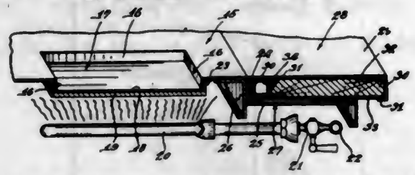
1. A pipe end reamer and chamfering tool comprising, in combination, a body member having a plurality of grooves opening laterally and from the outer end thereof, a plurality of separately replaceable pipe end reaming and chamfering blades mounted in said grooves, each of said blades having at its outer end and spaced longitudinally from the end of the body member a recess forming an externally directed cutting edge for reaming the inside of the end of a pipe and an internally directed cutting edge positioned radially outwardly of said external cutting edge and adapted for chamfering the outside of the end of the pipe, lugs integral with said blades and extending forwardly from the ends of the blades and disposed inwardly of the reaming portions of said outwardly directed inner cutting edges, a locking ring encircling said lugs and disposed inwardly of the reaming portions of said outwardly directed inner cutting edges to permit a pipe end to pass thereover, a locking bolt having a head and a threaded shank extending axially and relatively loosely between the inner edges of said blades and threaded into said body member, and a washer interposed between the head of said bolt and the adjacent ends of said blades and cooperating with the lugs on said blades for clamping the blade in place in said grooves, said washer also cooperating with said locking ring to hold same in place.

2,188,585
OPTICAL LENS GROOVER
Arthur F. Williams, St. Paul, Minn., assignor to Wils-Edge Corporation, St. Paul, Minn., a corporation of Minnesota
Application January 27, 1936, Serial No. 60,960
17 Claims. (Cl. 51—278)



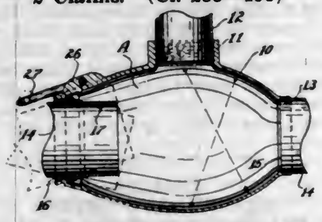
17. The method of grooving spectacle lenses consisting in firmly supporting the lens swingable through a compound curve and cutting a groove substantially parallel to the peripheral edge of the lens as it is swung through the radii of the curves.

2,188,586
COUNTER CONSTRUCTION
Franklin H. Wirtz, Columbus, Ohio, assignor to White Castle System, Inc., Columbus, Ohio, a corporation of Delaware
Application April 28, 1938, Serial No. 204,709
10 Claims. (Cl. 126—37)



1. In a counter construction, a metal support for a hot plate, griddle, or the like, lying in a substantially horizontal plane, a shelf contiguous to and extending substantially horizontally therefrom, and a water duct in said shelf for absorbing heat transmitted from said hot plate, griddle, or the like, to prevent an undesired heating of said shelf.

2,188,587
COUPLER
Albert H. Ames, St. Paul, Minn.
Application May 21, 1937, Serial No. 143,943
2 Claims. (Cl. 285—193)



1. In a coupling having oppositely disposed openings for receiving the opposed ends of pipes, means to latch the pipe in the coupling comprising a ring-shaped member pivoted adjacent one of said openings to said coupling, said member being so pivoted that it is restrained from dropping across said one opening in the coupling, a lug on the pipe near the end thereof, a cam face on said lug designed to raise said member about to pivot as said pipe is inserted into the coupling so that the ring will drop by gravity behind said lug, said lug forming a shoulder against which said ring-shaped member may engage to lock said pipe in said coupling.

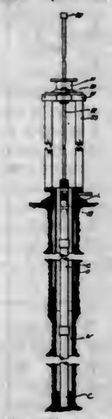
2,188,588
RESISTANCE AND IMPEDANCE MEASURING DEVICE
Haig Antranikian, New York, N. Y.
Application December 11, 1937, Serial No. 179,300
4 Claims. (Cl. 175—183)

1. In combination, resistors and a meter in series between two terminals—the resistors having values decreasing toward the meter—, means for severally connecting points between said resistors and meter to a common point, means for connecting external impedances between said common point and the one of said two terminals which is on the meter side, means for connecting a voltage source between said two terminals, a forward numbered common scale division in the meter for indicating the values of the external impedances for the several connections of said severally connecting means, a first "voltage ad-



justing" means of the type of a variable resistance shunting the meter, a second "voltage adjusting" means by a potentiometer connected to the voltage source, and means for passing from one adjusting means to the other adjusting means.

2,188,589
METHOD FOR HANDLING WELL CASINGS
Arthur L. Armentrout, Los Angeles, Calif., assignor of one-third to Elwin B. Hall and one-third to Virgil P. Baker
Continuation of application Serial No. 163,549, September 13, 1937. This application May 22, 1939, Serial No. 275,119
11 Claims. (Cl. 166—21)



1. A method of landing a well casing comprising placing the casing under tension by engaging the interior of the casing with a tensioning means, cutting off an upper portion of the casing at a point above where the casing is engaged by the tensioning means and while the tension is maintained on the casing, passing the cut off portion of casing upwardly from the tensioning means while tension is maintained on said means, passing a head down over the tensioning means to a support, welding the casing to the head while the tension is maintained thereon, and then removing the tensioning means from the casing so that the weld suspends the tensioned casing from the head.

2,188,590
NONSMUDGING TRANSFER SHEET
Johan Bjorksten, Chicago, and William J. Champion, La Grange, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 4, 1938, Serial No. 188,707
9 Claims. (Cl. 282—28)

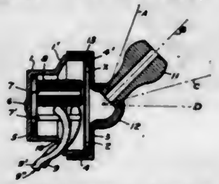
1. A transfer medium adapted for use with

a pressure or impact instrumentality such as a pencil or the keys of a typewriter comprising a base coated with a pressure or impact transferable composition, and a film essentially comprising resin coated on said transfer composition, said film being of such character that it will break and be transferred to a contacting sheet



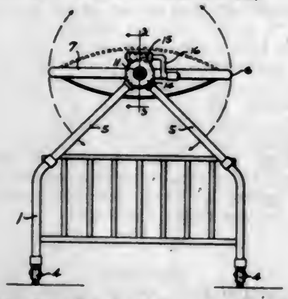
with the transfer composition when pressure or impact is applied to the transfer sheet by a pencil or the keys of a typewriter in the usual manner, of such adhesive character that it will adhere to the contacting sheet and to said base transfer composition, of such solubility that it will dissolve in solvents which are not solvents for the base transfer composition.

2,188,591
AUDIPHONE EARPIECE
Thomas J. Carlson, San Francisco, Calif.
Application April 16, 1938, Serial No. 202,479
4 Claims. (Cl. 179—107)



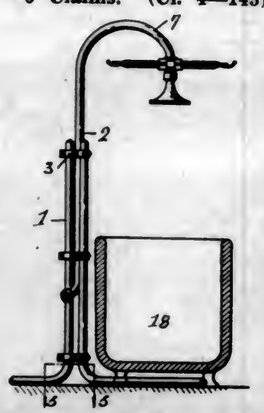
1. In an audiphone earpiece having a cup-like base receptacle closed by a diaphragm with a cap thereover forming a sound box, a hollow projection on the outer side of said cap, and a tubular nipple secured at its inner end in a hole formed in said hollow projection, said hollow projection formed exteriorly with a curved surface to provide for drilling a hole at various angles therethrough with respect to the central axis of the cup-like base receptacle for reception of said nipple.

2,188,592
INVALID BED
John G. Cunningham, Spokane, Wash.; R. Hosken Damon and The Old National Bank & Union Trust Co., executors of John G. Cunningham, deceased
Application December 21, 1936, Serial No. 116,939
2 Claims. (Cl. 5—61)



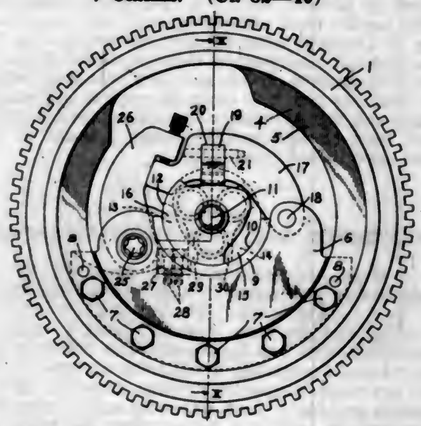
1. In an invalid bed having head and foot frames, the combination with a rotatable and removable patient-turner-frame having an end trunnion, of a bearing in the foot frame for said trunnion and detachable means for preventing rotary movement of the trunnion in its bearing, a housing forming a cap on the head-frame, a worm-wheel journaled in the housing and having an angular hub-socket, a second trunnion on the patient-turner-frame slidably fitted in said socket, a worm journaled in the housing for co-action with the worm-wheel, and a crank for turning the worm.

2,188,593
SHOWER BATH APPLIANCE
Armand Desruisseaux, Montreal, Quebec, Canada
Application September 7, 1939, Serial No. 293,787
6 Claims. (Cl. 4—145)



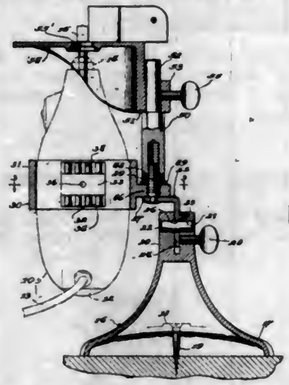
1. A shower bath appliance comprising a vertical water pipe, a series of vertical tubes grouped around said pipe and in close proximity thereto, clamping members engaging said tubes and pipe, releasable securing means holding said members together, the lower ends of said tubes being bent horizontally outward to form a base, the upper end of said pipe being bent through an arc of 180°, and a depending spray head on said end.

2,188,594
CRANKSHAFT CHUCK
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application November 28, 1938, Serial No. 242,705
7 Claims. (Cl. 82—40)



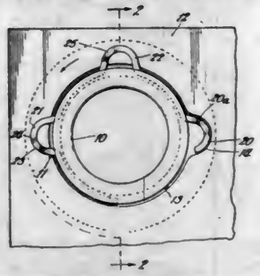
1. In a chucking device for crankshafts, a rotary chuck body, a fixed arcuate locating abutment in said chuck body adapted to engage a peripheral locating area on a web of a crankshaft to be gripped in said device, clamping means for holding said crankshaft in engagement with said abutment, and fixed driving means in said body to positively rotate said crankshaft with the rotation of said chuck body.

2,188,595
MOUNTING FOR POWER TOOL
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application May 10, 1939, Serial No. 272,815
5 Claims. (Cl. 248—124)



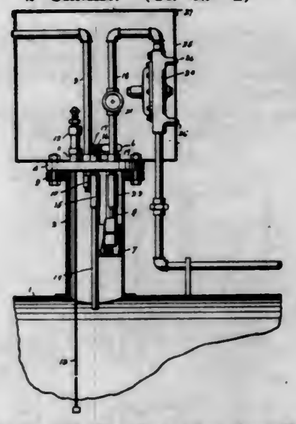
5. In a mounting for a power tool, a mounting ring having a perforated lug on its exterior, a stationary abutment plate on its interior and a movable abutment plate in opposed relation, a bolt having a left-hand thread rigidly mounted on said movable plate and projecting outwardly through the ring, a loop member integral with the ring and on the exterior side thereof, said bolt extending through the loop member, and a nut member mounted on said bolt, located within the loop member and adapted to effect the inward and outward movement of the movable abutment plate.

2,188,596
REMOVABLE BUSHING
Leroy F. Hobert, Sandusky, Ohio, assignor to The Universal Clay Products Co., Sandusky, Ohio, a corporation of Ohio
Application May 5, 1939, Serial No. 271,930
5 Claims. (Cl. 16—2)



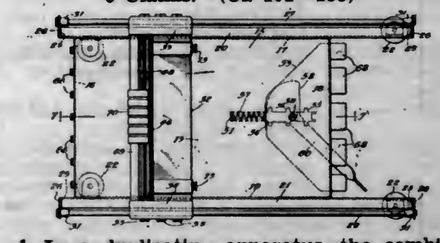
1. A removable bushing of the character described having a flange portion adapted to cover the edge around a keyhole opening in a wall, said bushing having a body portion substantially smaller than said flange portion and adapted to pass through the aforesaid opening, the periphery of said body portion having a groove to receive a clamping wire, and a clamping wire around said body portion, said wire having radially projecting portions which terminate short of the periphery of said flange portion of the bushing, one of said radially projecting portions comprising a loop in the plane of the clamping wire, said loop having a portion of one side turned out of the plane of the clamping wire intermediate its ends, whereby to provide a leading edge that will ride over the edge of said keyhole opening.

2,188,597
BUTANE TANK
John R. Holicer, Mansfield, La.
Application May 24, 1937, Serial No. 144,455
2 Claims. (Cl. 62—1)



1. Apparatus of the character described comprising a tank, a vapor dome upstanding from the tank, a cover detachably secured to the dome, an outlet line and excess flow check valve depending from the cover and spaced substantially above the tank, a control valve and a pressure reducing valve connected to the outlet line on the upper side of the cover, an inlet line and a valve depending from the cover and a hood detachably secured to the dome enclosing said control and pressure reducing valves.

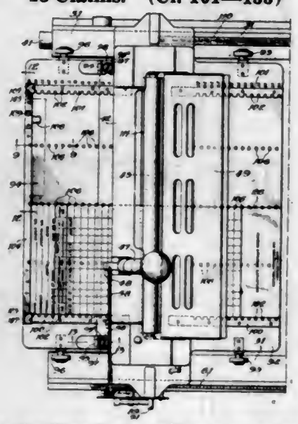
2,188,598
DUPLICATING APPARATUS
Hubert Jagger, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application August 22, 1938, Serial No. 226,081
9 Claims. (Cl. 101—133)



1. In a duplicating apparatus, the combination of a flat bed, means for securing a hectograph pad removably in position on said bed, slide bars secured in parallel relation to each other along opposite sides of said bed, support-

ing blocks slidably mounted on said bars, a carriage extending across said bed and supported at opposite sides of the machine by said blocks, a roller rotatably mounted on said carriage and movable thereon into and out of operative impression relationship to a hectograph pad on said bed, yielding means adapted normally to hold the roller out of operative position with respect to said hectograph pad, means movably mounted on said carriage adapted by pressure downwardly and forwardly thereon to cause said roller to press against said pad and to move longitudinally of the machine over the face of the pad and resilient means engaging the forward end of said hectograph pad to tension the same and to take up any slack caused in the pad by said downward and forward pressure on said roller.

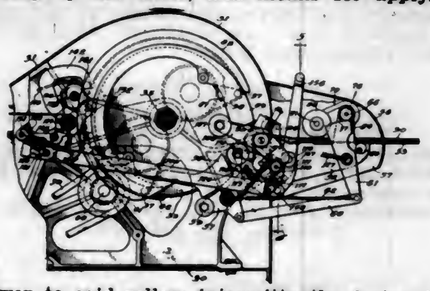
2,188,599
DUPLICATING APPARATUS
Hubert Jagger, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application October 27, 1938, Serial No. 237,169
13 Claims. (Cl. 101—133)



1. In a duplicating machine, the combination of a frame, means for mounting a duplicating pad on said frame, a carriage movable along said duplicating pad, means for giving said carriage a step by step movement horizontally on said frame, means for holding a copy sheet in any one of a plurality of adjusted positions with respect to said carriage longitudinally of the machine, and means for pressing a portion only of said copy sheet into operative copying relation to said duplicating pad.

2,188,600
DUPLICATING MACHINE
Willis A. Kropp, Oak Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application August 22, 1938, Serial No. 226,080
15 Claims. (Cl. 101—132)

1. In a duplicating machine, the combination of two rotary members adapted to rotate in operative engagement with each other, means for rotating said rotary members, two rollers rotatably mounted adjacent to said rotary members also in cooperative relation to each other for forwarding a copy sheet to said first-named rotary members, means adapted by engagement with a sheet being forwarded from said rollers to said first-named rotary members to provide an excessive length of sheet portion intervening so as to enable said first-named rotary members to acquire an effective grip on the sheet while taking up the slack, and means for applying



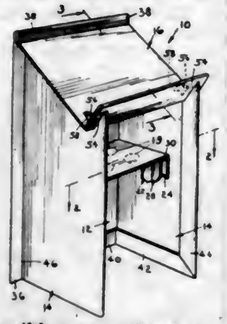
power to said rollers intermittently during the rotation of said first-named rotary members for forwarding a sheet to said first-named rotary members.

2,188,601
CHANGING SURFACE ORNAMENTATIONS ON FURS
Harold A. Kusikoff, New York, N. Y.
Application January 28, 1938, Serial No. 187,466
4 Claims. (Cl. 149—28)



1. In a method for enhancing baby seal or like pelts by forming a moire effect thereon, the steps of applying a keratolytic dressing to the areas of the pelt where the moire effects are to be located, brushing said areas to change the direction of the hairs thereof relative to the surrounding region, and retouching the outline of the areas with a brush, swab, comb or the like provided with said dressing in such a manner as to provide a sheen of greater brilliancy than that of said areas and regions.

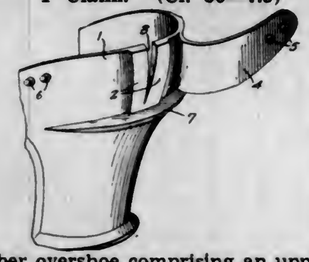
2,188,602
MUSIC STAND
George E. Hall, Kalamazoo, Mich.
Application December 23, 1937, Serial No. 181,332
4 Claims. (Cl. 45—60)



1. A collapsible music stand comprising a front wall, side walls foldably connected to said front wall adjacent the opposite side edges thereof whereby said side walls can be moved toward said front wall to overlie the latter in the collapsed condition of the stand and away from said front wall to extended position in the operative

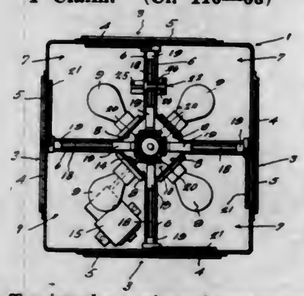
condition of the stand, said side walls having upper edge portions which, in extended position of said side walls, are downwardly inclined in a direction away from said front, a top foldably connected to said front wall adjacent the top edge thereof and adapted to engage said inclined edge portions of the side walls in the extended position thereof, said top wall being supported by said inclined edge portions of said side walls, means extending horizontally between said side walls in the extended position thereof and releasably connected thereto for holding them in said extended position, said top having a rear marginal edge portion foldable to upwardly inclined position to provide a retaining ledge, and said side walls having at their top edges upwardly inclined edge portions engageable by said ledge portion for supporting the latter in said upwardly inclined position.

2,188,603
OVERSHOE
Lillian Hamalainen, Virginia, Minn.
Application January 4, 1938, Serial No. 183,349
1 Claim. (Cl. 36—7.3)



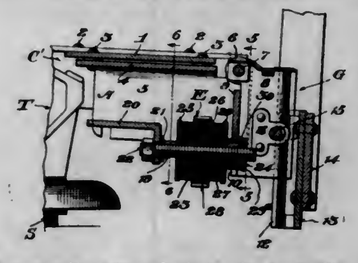
A rubber overshoe comprising an upper thickened to provide a substantially rectangular lug formed exteriorly thereon centrally of the heel portion and extending vertically from the upper edge thereof, said lug and upper having a normally open V-shaped notch therein extending through said upper edge and having its apex terminating adjacent to the lower end of the lug, a flap having one end formed on the outside of said heel position laterally of the lug and the inside of the heel portion being smooth and free from obstructions throughout the area thereof about the notch, and means for detachably securing the flap to the upper and about said lug for completely covering the notch and for drawing the walls thereof toward each other.

2,188,604
TRAFFIC SIGNAL
Burnham C. Hammond, Hartford, Mich.
Application May 12, 1938, Serial No. 207,625
1 Claim. (Cl. 116—63)



In a traffic signal a casing of rectangular shape in cross section and having an opening in each of its four sides, a sectional light screen covering each opening, the sections being slightly separated at the vertical center of each screen, four partitions vertically arranged in the casing for dividing the same into four chambers, each partition being of substantially angular shape in plan with a diagonal portion connecting one limb of the partition with the other limb and said diagonal portions of the four partitions forming a small vertically arranged central chamber, the limbs of the partitions being separated to form narrow spaces which are vertically arranged, bearing means in said spaces and connected with the partitions, shafts passing through the bearing means, indicators fixed on the outer ends of the shafts and movable over the inner faces of the screens, a drive shaft vertically arranged in the vertical cental chamber, gearing connecting said vertical shaft with the first-mentioned shafts.

2,188,605
SUSPENSION UNIT FOR CHAIR BACKS
Walter F. Herold, Bridgeport, Conn., assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application November 15, 1937, Serial No. 174,712
14 Claims. (Cl. 155—164)

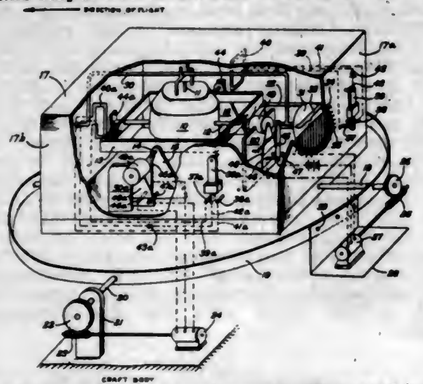


7. A mounting for chair backs including a pair of pivotally connected members, one of which carries the chair back, rotatable adjusting means for changing the angular relation of said members about said pivot, said means including an externally threaded element carried by one of said members, an internally threaded rotatable sleeve including means pivotally engaged with the other of said members and adapted to travel on said externally threaded element, and cushioning means arranged between a portion of said sleeve and one of said members whereby arcuate movement between said members is cushioned in one direction.

2,188,606
GYROSCOPIC APPARATUS FOR DETERMINING THE INCLINATION OF AN AIRPLANE
Paul Eduard Koster, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 16, 1938, Serial No. 208,289
In Germany October 18, 1935
10 Claims. (Cl. 33—204)

3. An indicating device for aircraft, comprising a non-pendulous gyro vertical mounted for three degrees of freedom, means for correcting the deviation of said gyro from the true vertical, a body member, means mounting said body member for tilting with respect to said craft whereby said member may be tilted with respect to said craft, means for tilting said body to vary the inclination thereof, pendulous means mounted on said body, means responsive to the relative movement of said body and pendulous means controlling said correcting means, and

means responsive to the rate of turn of the craft



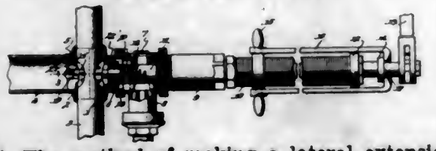
and tilting of said gyro for controlling said body tilting means.

2,188,607

METHOD OF MAKING LATERAL EXTENSIONS FROM PIPE LINES

Timothy A. Larry and Earl E. Cline, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois

Application November 16, 1936, Serial No. 111,164
2 Claims. (Cl. 77—37)



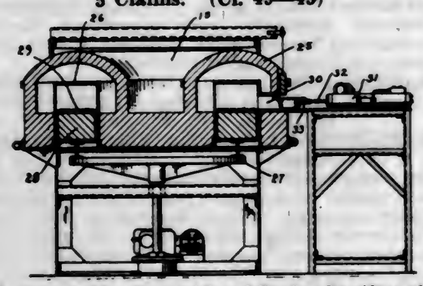
1. The method of making a lateral extension from a conduit which comprises forming a cross about the conduit, the conduit extending through two aligned openings of the cross, securing a second conduit and an enclosed drilling apparatus respectively to the other aligned openings of the cross and drilling through the conduit in a direction which is substantially axial with respect to the second conduit thereby establishing communication between the two conduits and closing the opening of the cross which is opposite to the second conduit.

2,188,608

KILN

Jesse T. Littleton, Howard R. Lillie, and William W. Shaver, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York

Application October 7, 1937, Serial No. 167,840
5 Claims. (Cl. 49—45)



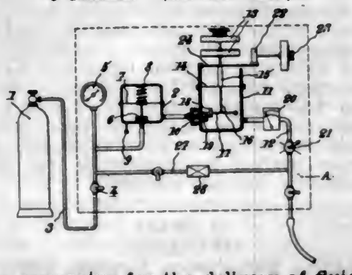
1. In combination with a kiln for heating glass a highly refractory, soft, finely divided, water soluble substance distributed over the floor of the kiln.

2,188,609

FLUID DISTRIBUTING DEVICE

Jacques Gustave Méjean, Chatou, France, assignor to Societe Bronzavia, Courbevoie (Seine) France, a society of France

Application December 23, 1935, Serial No. 55,908. Renewed June 26, 1939. In Belgium June 14, 1935
6 Claims. (Cl. 137—153)



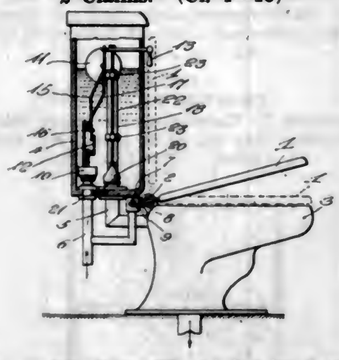
1. An apparatus for the delivery of fluid from a source of fluid under pressure at a rate corresponding to the pressure of the surrounding atmosphere, which comprises, in combination, delivery means for the discharge of the fluid at the desired pressure, means for controlling the rate of flow of said fluid from said source to said delivery means, at least one structure deformable in response to variations of the pressure of the surrounding atmosphere, kinematic means for connecting said controlling means with said structure so as to operate said controlling means in response to variations of the pressure of the surrounding atmosphere according to a predetermined law, said kinematic means being arranged to act positively for only one direction of action of said controlling means, and manual means for directly operating said controlling means in said direction, said manual means including means for acting positively only in said direction for determining the position of said manual means relative to said controlling means.

2,188,610

OVERFLUSH MECHANISM FOR TOILETS

Saburo M. Moriya, Philadelphia, Pa.

Application October 29, 1938, Serial No. 237,723
2 Claims. (Cl. 4—18)



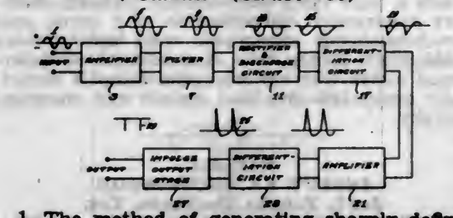
1. In combination with a toilet bowl and flush tank therefor, a combined water admitting valve and overflush valve incorporated in said tank, a water supply pipe leading to said tank and said valves, a water connection between the water supply pipe and said bowl arranged exteriorly of said tank, and a seat operated valve connected in said last mentioned water connection between said water supply pipe and said bowl whereby water may be admitted to the bowl independently of the water in the tank whenever the toilet seat is raised or lowered to provide a noise concealing and ventilating action for the bowl.

2,188,611

IMPULSE GENERATOR

Lowell E. Norton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 18, 1938, Serial No. 214,473
7 Claims. (Cl. 250—36)



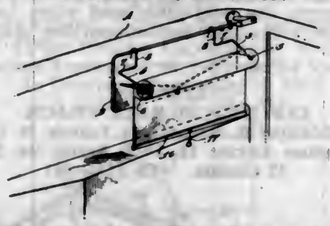
1. The method of generating sharply defined impulses by means of a gaseous discharge device which includes rectifying sine wave currents, altering the wave form of the rectified currents to produce an asymmetrical wave form, differentiating said currents of asymmetrical wave form, applying said differentiated currents to said gaseous discharge device to establish therein gaseous discharge currents, and deriving therefrom sharply defined impulses.

2,188,612

AUTOMOBILE VISOR MAP ROLLER ATTACHMENT

Wellington M. Owen, Lakeland, and Ebbie M. Dearman, Tampa, Fla.

Application December 23, 1938, Serial No. 247,511
2 Claims. (Cl. 40—85)



1. A road map attachment for a motor vehicle provided with an adjustable sun visor, and said attachment comprising a mounting bracket formed from a single strand of resilient wire bent to provide companion hook means for attachment of the bracket to the visor to be carried thereby, base means having the hook means formed thereon and engageable with the visor, arms formed on the base means and extending outwardly therefrom for disposal in parallelism with each other, said strand being looped upon itself at the outer ends of the arms to provide bearing openings, a roller mounted in the bearing openings, and a strip map secured to and wound about the roller.

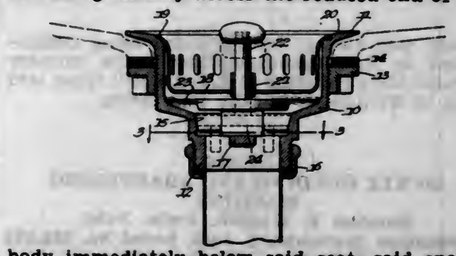
2,188,613

SINK STRAINER

Emmett M. Reedy, Los Angeles, Calif., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application April 16, 1938, Serial No. 202,557
1 Claim. (Cl. 4—287)

A drain fitting having a body provided with an enlarged inlet and a materially reduced outlet, a strainer removably supported to depend within the enlarged portion of the body, said reduced end of the body being provided with an integral valve seat, a valve having a stem slidably and rotatably mounted in a bearing carried by the strainer, a pair of spaced arms depending from said valve, and a bar integral with the body and extending entirely across the reduced end of the



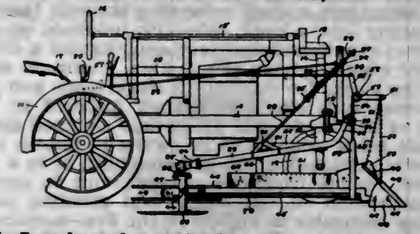
body immediately below said seat, said spaced arms being adapted to cooperate with said bar, whereby in one position of rotation of the valve stem the arms will straddle said means to allow the valve to slide down to closed position in engagement with said valve seat and in said elevated position to be rotated to place the arms on said means to maintain the drain passage open.

2,188,614

TRACTOR DRIVEN BEAN HARVESTER

Grafton H. Self, Twin Falls, Idaho, assignor of one-half to Andrew J. Bockwitz, Twin Falls, Idaho

Application August 17, 1938, Serial No. 225,437
9 Claims. (Cl. 56—25)



1. In a bean harvester including a tractor having a front steering ground wheel, said wheel mounted to turn about a vertical axis in its steering movement, and a central plant and vine divider carried on the mounting of the steering ground wheel and comprising a hollow shoe portion at its forward end, longitudinal side extensions from said shoe portion straddling said wheel and being hingedly supported on the wheel mounting rearwardly of the wheel whereby said divider swings with the wheel in its steering movement but is capable of vertical swinging movement independently of said wheel, and means for suspendedly supporting the forward portion of said divider in a raised inoperative position and in different lowered positions in working relation to the ground.

2,188,615

HOROSCOPE UNIT FOR DISPENSING MACHINES

Vincent F. Slezak, Chicago, Ill.

Application July 21, 1937, Serial No. 154,740
4 Claims. (Cl. 283—1)

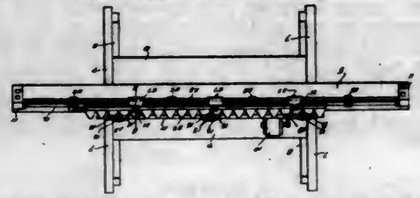
1. A dispensable printed matter unit for vending machines comprising an exteriorly smooth,

open-ended, tubular casing of hard, lubricous, moisture-proof material and a strip of material bearing indicia wound into a cylinder disposed



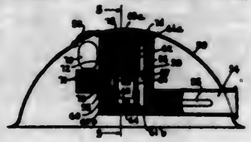
within said casing, said cylinder being dimensioned so that the expansion of the cylinder through the unwinding of the strip will cause said strip to frictionally engage said casing.

2,188,616
SICKLE HOLDING AND SHARPENING MACHINE
Houston T. Waddill, Irwin, Nebr.
Application September 3, 1938, Serial No. 228,434
3 Claims. (Cl. 51—222)



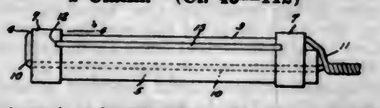
1. A sickle holding and sharpening machine comprising a support, an elongated shaft mounted on the support, a plurality of swingable grinding units on the shaft, a plurality of bracket structures attached to the shaft and normally resting on the support, said brackets having upstanding legs, a shaft extending through the upstanding legs, a block swingably mounted on the second-mentioned shaft and each having a sickle blade edge-receiving slot therein, a cam on each of the blocks for clamping a sickle blade and positioned with one edge thereof disposed in the slot of the block, said blocks and clamped sickle blade being adapted to be swung in unison to a position opposed to the grinding unit, or to a position remote from the grinding unit to permit displacement of the blade, said grinding units being swingable in unison on the first-mentioned shaft to engage the sickle blade when the sickle blade has been carried by the blocks and positioned in opposed relation to the said sharpening units.

2,188,617
ELECTRIC IRON PLUG AND RECEPTACLE THEREFOR
John P. Walpole, Bronx, N. Y.
Application February 18, 1938, Serial No. 191,320
1 Claim. (Cl. 177—311)



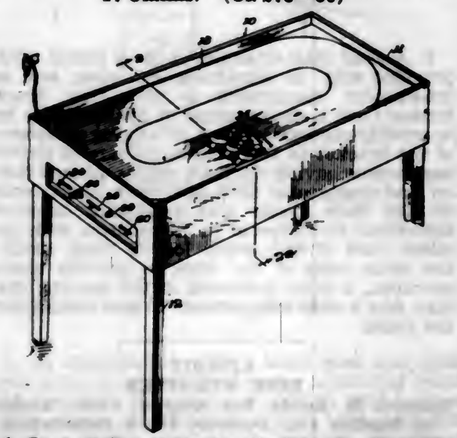
An iron rest connected to a source of electric power cooperating with horizontally projecting terminal lugs of the iron plug to permit transfer of electric power to said iron which comprises a standard having openings formed therein registerable with and adapted to receive said horizontally positioned projecting lugs, a pair of terminal plates mounted within said standard adjacent said openings and connected to a source of electric power, a pair of pivoted electrically conductive arms positioned adjacent said openings adapted to engage with and be moved by said lugs when pushed through said openings engaging with said terminal plates whereby electric power can be conducted from said source to said device, said arms when dissociated from said lugs being moved by means including a spring-pressed yoke out of contact with said terminal plates, and means for visibly indicating completion of electrical circuit including power source and device, which comprises a pilot lamp and contact forming members electrically connected to said lamp, said members being engageable with said pivoted arms when moved into contact with said terminal plates whereby said pilot lamp is electrically connected into said circuit and energized thereby.

2,188,618
INSECT EXTERMINATOR
Joe L. Zalesky, Buckholts, Tex.
Application March 24, 1939, Serial No. 264,021
1 Claim. (Cl. 43—112)



An insect exterminating device comprising a block of insulation, a row of pins rising from each end of the block of insulation, a band circumscribing each end portion of the block of insulation and being disposed over the upper ends of the said pins, an end portion of each band being notched to provide a pair of opposed notches above the said block of insulation, and a bait supporting plate disposed on the said block with its end portions disposed into the notches of the said bands, current carrying wires extending between the said pins, said wires being located above the said bait-supporting plate.

2,188,619
ELECTRICAL RACE TRACK
Matthias R. Bernhardt, Lenoir, N. C.
Application August 10, 1938, Serial No. 224,161
17 Claims. (Cl. 273—86)



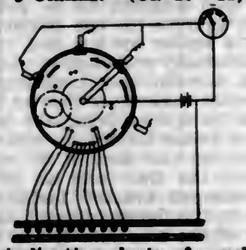
1. In a racing game, an electric circuit, a plurality of tracks, the rails of which form a part of the circuit, a plurality of independently movable racing cars adapted to travel over said tracks, each car including a propelling motor and an electro-magnet adapted to be energized through the circuit, a plurality of racing figures, one for each car, supported above and in spaced relation to said electro-magnets and adapted to be carried by said magnets around their respective tracks, manually operable electrical means included in said circuit for individually controlling the speed of each motor, and automatically actuated electrical means also included in said circuit for varying the effectiveness of said electro-magnets.

2,188,620
FASTENER
Alfred Boenecke, Berlin, Germany
Application March 26, 1936, Serial No. 71,026
In Germany August 14, 1935
5 Claims. (Cl. 70—68)



1. In a fastener, a portion comprising two parts, and a lock accommodated in recesses in the said parts comprising a bolt having an opening at the one end, an eccentric disc located in the said opening and adapted to be turned by a key, a guide member protecting the said disc, a locking plate, a spring acting on the said plate, and an elevation on the opposite end of the said bolt adapted to act on the said locking plate to overcome the action of the said spring.

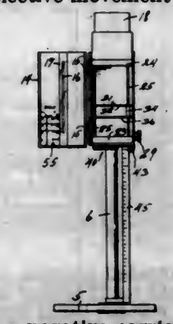
2,188,621
STATION INDICATING DEVICE
Karl Johan Brunov, Copenhagen, Denmark
Application September 30, 1937, Serial No. 166,551
In Denmark September 3, 1937
6 Claims. (Cl. 40—41)



1. In an indicating device for vehicles travelling along a fixed route, a route chart, and uninterruptedly and continuously movable means controlled by the rotation of the wheels of the vehicle for indicating on said route chart the position of the vehicle, and electromagnetic means for adjusting said first-mentioned means to produce a signal in a predetermined position on said route chart and a switch for regulating said electromagnetic means.

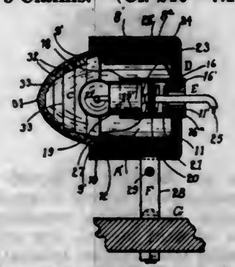
2,188,622
PHOTOGRAPHIC ENLARGING APPARATUS
Irvin A. Cantor, New York, N. Y.
Application August 27, 1938, Serial No. 227,191
4 Claims. (Cl. 88—24)

1. A photographic enlarging apparatus, comprising a sensitized paper support, a light projecting unit consisting of an elongated vertically disposed cabinet having a lower wall provided with an aperture and a light source in the upper part thereof, means supporting the cabinet for vertical movement relative to said support, a plurality of lenses supported by the lower part of the cabinet for selective movement into registry with



said opening, a negative carrier within the cabinet between said light source and said aperture and mounted for vertical movement in the cabinet, and scale means for correlating the lens covering said aperture with said paper support and for correlating the negative carrier with respect to the lens whereby the relative positions of the negative, lens and sensitized paper may be accurately obtained.

2,188,623
LAMP
John W. Daehler, Los Angeles, Calif.
Original application July 17, 1934, Serial No. 735,623. Divided and this application July 2, 1936, Serial No. 88,500. Renewed January 30, 1939
5 Claims. (Cl. 240—7.1)

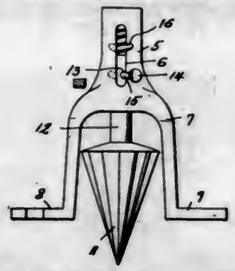


1. A courtesy lamp including a hollow body of resilient stiff soft rubber, said body being cylindrical in form and having an integral closure diaphragm at one end, the other end being open and having an internal peripheral groove, said diaphragm having a central opening, a lens having a peripheral flange detachably seated in said groove, a lamp socket having a lamp holding portion located in the body, said socket having a reduced portion fitting the opening in the diaphragm and provided with a flange resting against the outer face of the diaphragm, and means supporting the body and adapted to be secured to a vehicle part.

2,188,624
REAMER ATTACHMENT
Americo Dantry, Cecil, Pa.
Application August 6, 1937, Serial No. 157,815
Renewed December 6, 1939
1 Claim. (Cl. 77—73.5)

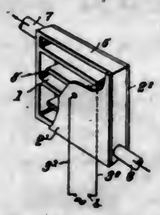
A reamer attachment for thread dies compris-

ing a barrel, mounting means for the barrel, said barrel being provided with a longitudinally extending slot therein, a reaming head provided with a shank slidably disposed in the barrel, the upper end of the barrel being closed, a spring interposed between the closed end of the barrel and the inner end of the shank, said shank being



provided with a threaded opening, a pin provided with a threaded end for threaded engagement in the threaded bore, said pin being disposed through the slot in the barrel and provided with a finger engageable knob at its outer end, said barrel at the edge portion of the slot being provided with oblique notches for receiving the said pin disposed in a backward direction.

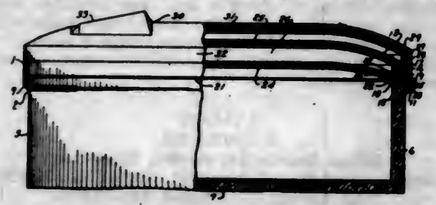
2,188,625
DEVICE FOR THE HEATING OF FLOWING LIQUIDS SUCH AS RUBBER LATEX
René Alphonse Dufour, Paris, and Henri Auguste Leduc, Mantes-Gassicourt, France
Application December 16, 1937, Serial No. 180,255
In Luxemburg December 24, 1936
5 Claims. (Cl. 219—39)



1. A device for heating a liquid which comprises, in combination, a box-shaped vessel, two parallel metallic electrodes constituted by two opposed walls of said vessel, the other walls of said vessel being made of an insulating material and forming a frame connecting said electrodes together, inlet and outlet conduits for said liquid opening into opposed parts of said frame, whereby said liquid is caused to circulate throughout said vessel between said electrodes, an alternating current source having its terminals connected to said electrodes, respectively, and baffles provided in said box for increasing the length of travel of said liquid through said box, said baffles being parallel to one another and said inlet and outlet conduits opening into said box parallelly to said baffles.

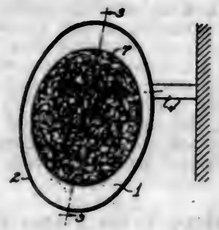
2,188,626
BURIAL VAULT
Rex J. Elledge, Trenton, Mo., assignor of one-half to William A. Martin, Trenton, Mo.
Application November 17, 1938, Serial No. 240,962
5 Claims. (Cl. 72—7)

1. A vault including a monolithic body section having a bottom and side and end walls forming a casket compartment, a tongue projecting upwardly from the edges of the side and end walls, a preformed one piece monolithic closure section having a groove in the marginal edge thereof and provided with a dead air space substantially coextensive with the casket compartment and separated from the groove by a mono-



lithic portion of said closure section whereby said compartment is insulated from the effects of external temperature changes over the entire area thereof, and a plastic sealing material in said groove and adapted to be extruded about said tongue when the closure section is placed on the body section.

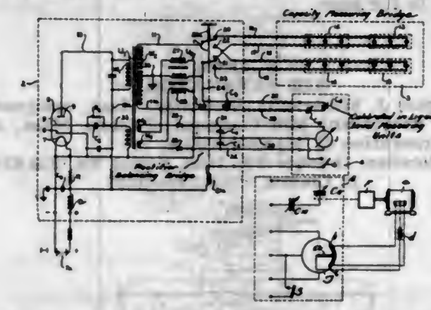
2,188,627
POWDER DISPENSER
Luther M. Eudaily, Tatum, N. Mex.
Application April 20, 1937, Serial No. 138,040
1 Claim. (Cl. 273—54)



In a powder dispensing device including a substantially oval shaped flat pad of sheep's wool to be saturated with powder for use by players of games, said pad adapted to be patted by the hands of the players for the powder to adhere thereto, and a holder for the pad, comprising a shallow substantially oval shaped tray for receiving the pad therein and including a bottom having a greater area than that of the pad for the latter to be spaced from the periphery of the bottom, a flange formed on and rising from the periphery of the bottom to confine loose powder within the tray, and an inverted substantially L-shaped bracket including a short arm secured to the flange laterally of the transverse center of the tray and a long arm having openings therein to receive fastening means for securing the device in position for use.

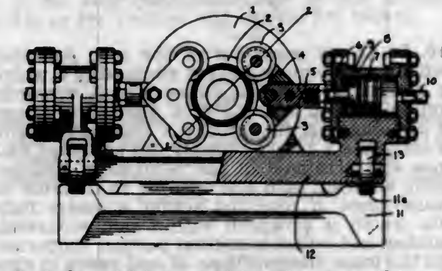
2,188,628
MEASURING INSTRUMENT
Erich Freystedt, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application November 26, 1937, Serial No. 176,737
In Germany November 27, 1936
8 Claims. (Cl. 73—304)

1. In apparatus of the class described, means for causing a current to flow at a high frequency, capacitor sounding means, a fixed capacity, means for causing said current to act upon said capacitor sounding means, means for comparing the capacity of said sounding means with the



fixed capacity, and means for bringing said capacities into agreement.

2,188,629
BURNISHING MACHINE
Russell H. Giesey and Guy E. Behnke, Oklahoma City, Okla.; said Giesey assignor of one-half of his right to Clarence E. Reed, Wichita, Kans.; Dorothy E. Giesey, executrix of said Russell H. Giesey, deceased
Application January 9, 1937, Serial No. 119,887
2 Claims. (Cl. 29—90)



2. A burnishing machine for smoothing the threaded portion of a member having a tapered screw thread, comprising a holder for said threaded member, a plurality of circumferentially spaced smoothing rollers, all of which are positioned to engage said threaded portion within the limits of a single turn of thread, a support for said rollers, resilient means interposed between said support and rollers for holding the latter in yieldable contact with the screw threads and permitting the rollers to move radially to allow for variation in the diameter of the thread, and means for imparting relative rotary movement between said holder and support, said holder and support being connected for relative axial movement therebetween.

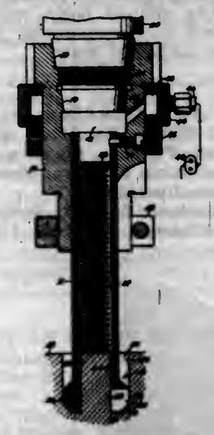
2,188,630
INTERNAL COMBUSTION ENGINE
Frederick P. Grahman, Port Orange, Fla.
Application October 18, 1937, Serial No. 169,734
1 Claim. (Cl. 123—58)

In an engine of the type described, a pair of power cylinders arranged in side by side relation, a piston operable in said cylinders and dividing each into a compression chamber and a firing chamber, a fuel supply means, a single fuel inlet valve communicating with the fuel supply means, said fuel inlet valve having direct communication with each of the compression chambers, each firing chamber being provided with an exhaust valve, each piston being formed with a fuel passage for effecting communication between its respective compression and firing chambers, a check valve associated with each piston for closing its passage to effect opening of said fuel intake valve to permit fuel to be drawn into the compression chamber upon movement of the piston in one direction and said check valve being operable to open the passage to permit fuel to be introduced



into the firing chamber from the compression chamber upon movement of the piston in an opposite direction and to effect closing of said fuel intake valve, a single detonator cylinder having communication with each of said firing chambers, a detonator piston operable in said last cylinder for compressing fuel therein to ignite the same, and means for operating said detonator piston.

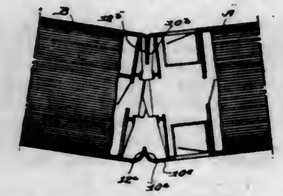
2,188,631
TREPANNING DRILL
Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 3, 1937, Serial No. 177,995
6 Claims. (Cl. 77—69)



1. A trepanning drill having, in combination, a rotatable tubular shank, annularly spaced projections formed integral with the end of said shank and providing radially extending abutments, each of said projections tapering circumferentially away from its abutment whereby to form a chip outlet groove disposed in advance of the next succeeding abutment and extending generally longitudinally of said shank, said projections also being undercut to define axially facing recesses establishing communication between the interior of said shank and the outer ends of said grooves, separately formed cutter blades secured to and backed by said abutments and projecting through said recesses, each of said blades having an axially facing end edge, one side edge

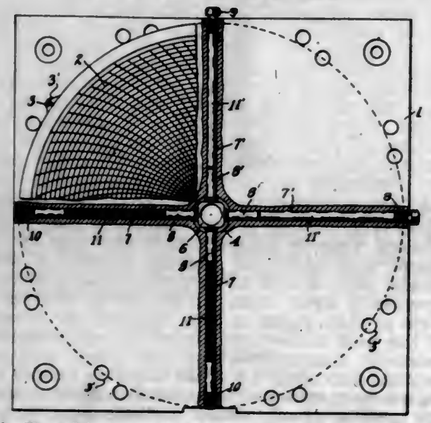
radially spaced inwardly from the inner wall of said shank, a second side edge radially spaced outwardly a substantial distance from the outer wall of said shank, and means for continuously supplying coolant under pressure to the interior of said shank whereby to cause a flow of coolant between said inner wall and the plug cut from the work, through said recesses and then reversely along said grooves and the cutting faces of said blades into the annular space between said outer wall and the bore being formed.

2,188,632
DIAPHRAGM
Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1937, Serial No. 141,408
8 Claims. (Cl. 105—15)



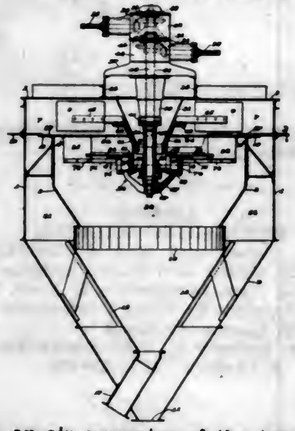
1. In combination with a rail car body of the class described, an exterior streamline diaphragm of inherently resilient moulded rubber composition having a portion attached to the end of the body and maintaining a substantially smooth streamline continuation thereof, said diaphragm having an inwardly turned portion forming a face substantially parallel to and spaced from the end of the vehicle body, such face being adapted to abut a corresponding face of a diaphragm on an adjacent body.

2,188,633
PUNCH OR TOOL HOLDING APPARATUS
Bhertel C. Rost, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application January 9, 1937, Serial No. 119,758
5 Claims. (Cl. 164—118)



1. Punching apparatus comprising a base, a punch carrier, opposed carrier holders mounted on said base and one of which is spring pressed to retain said carrier between them, and means cooperating with the base and said holders to adjust the position of the punch carrier in relation to the base.

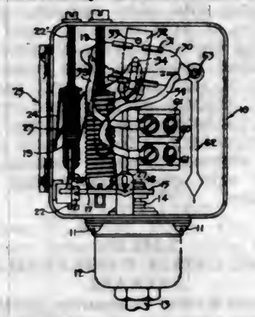
2,188,634
AIR SEPARATOR
Thomas J. Sturtevant, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a corporation of Massachusetts
Application October 25, 1938, Serial No. 236,855
13 Claims. (Cl. 209—139)



10. In an air separator of the type described having a rotary main fan for circulating a whirling current of air in a closed circuit upwardly through the top opening of a separating chamber and downwardly through a collecting chamber including a rotary rejector fan equipped with vanes and arranged in the separating chamber closely adjacent said top opening to describe an annular zone of rejecting action, a rotary baffle plate which is arranged within said separating chamber and whose marginal portion cooperates with the inner edge portions of said vanes to close off substantially completely the area within said annular zone and to direct substantially all the air in said circuit upwardly through said annular zone of rejecting action described by said rejector fan vanes, said baffle plate being rotatable independently of said rejector fan but simultaneously with said main fan, and means effective throughout a wide classification range of the particle size recovered as fines and operable from outside the separator during its continued operation, for regulating the power of said rejector fan to prevent undesired product of classification from passing upwardly.

2,188,635
SWITCHING MECHANISM
George C. Van Dusen, Jr., Excelsior, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 2, 1937, Serial No. 118,713
5 Claims. (Cl. 200—83)

1. In a switching mechanism, in combination, a mercury switch, a support therefor pivoted for rotation, means for rotating said support comprising an operating member, a condition responsive device for operating said operating member, a connecting member pivotally mounted on said operating member and engaging said support, and means for rotating said connecting member with respect to said operating member comprising an elongated slot in said connecting member and a pin rotatably mounted in said operating

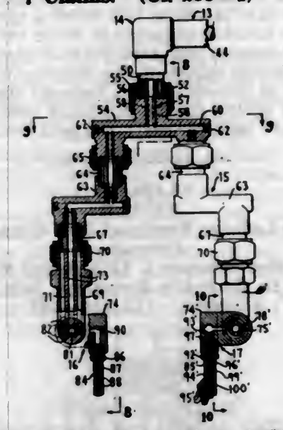


member and having an eccentrically mounted cam cooperating with said slot.

2,188,636
PLATINUM ALLOY FOR CONTACTING MOLTEN GLASS
Michel B. Vilensky, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application August 24, 1938, Serial No. 226,580
4 Claims. (Cl. 75—172)

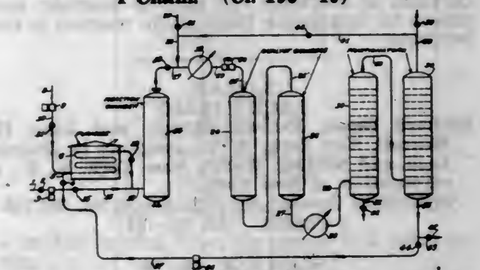
1. An alloy comprising 90% to 98% platinum, 1.5% to 8% iridium and .3% to 2% nickel.

2,188,637
FLAME HARDENING TORCH
George L. Walker, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application January 14, 1937, Serial No. 120,484
7 Claims. (Cl. 266—4)



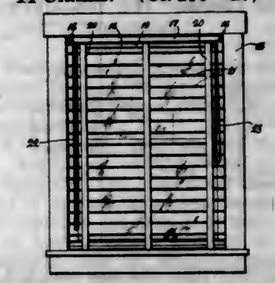
6. A flame hardening torch including a body portion, two separate branches extending generally downward from the body portion, two swivel joints in each of said branches movable about substantially vertical axes, the portion of the branch between the swivel joints extending transversely of the axes of the joints, a downwardly extending portion on each branch below the second swivel joint, and a torch tip connected with each branch at the lower end of said downwardly extending portion, said tips having confronting faces with jet orifices for directing heating flames against opposite sides of a part to be hardened, and being adjustable toward and from one another by the combined swivel movement of said joints.

2,188,638
CONVERSION OF HYDROCARBONS
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application May 11, 1937, Serial No. 141,899
1 Claim. (Cl. 196—10)



The method of converting normally gaseous hydrocarbons to normally liquid products by contact thereof at elevated temperature with a polymerization catalyst whose activity is impaired by dehydration and overheating which comprises mixing a gas consisting essentially of saturated hydrocarbons and predominating in hydrocarbons having more than two carbon atoms per molecule with an oxygen-containing gas in an amount sufficient to effect substantial dehydrogenation of said saturated hydrocarbons but insufficient to effect complete oxidation of said gas, thereafter heating the resulting mixture to elevated temperature to initiate and carry to completion the dehydrogenation reaction of said oxygen and said saturated gases to effect the formation therein of a substantial proportion of normally gaseous unsaturated hydrocarbons and inert gaseous reaction products including steam, cooling said reaction products to a temperature not substantially greater than 500° F., thereafter passing all the said products of said dehydrogenation treatment together with unconverted constituents into contact at elevated temperature not substantially greater than 600° F. with said polymerization catalyst whose activity is impaired by dehydration and overheating to effect conversion of unsaturated hydrocarbons to normally liquid products.

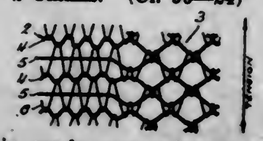
2,188,639
VENETIAN BLIND MECHANISM
Harry G. Balthasar, West Tower Park, Ohio, assignor to The Edward J. Hoff Company, Cincinnati, Ohio, a corporation of Ohio
Application May 6, 1938, Serial No. 206,439
14 Claims. (Cl. 156—17)



1. A Venetian blind supporting mechanism,

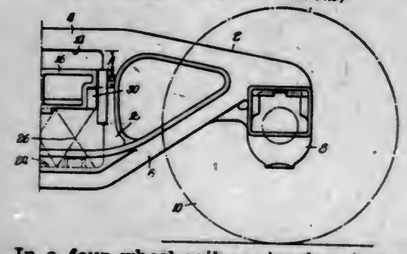
comprising, a head rail consisting of an inverted channel-shaped element having its base wall extended to provide supporting portions, brackets for securing the respective ends of the head rail in position in a window frame, each of said brackets providing a horizontal flange and a vertical side, a supporting flange fixed in each bracket providing a supporting surface spaced from and parallel to the horizontal flange, said supporting flange and horizontal flange providing a throat into which the respective supporting portions of the head rail may be inserted, and means for locking the head rail in position in the brackets.

2,188,640
LACE FABRIC
Richard Bloch, Pelham Manor, and John H. Worrall, New York, N. Y., assignors to Liberty Lace and Netting Works, New York, N. Y., a corporation of New York
Application October 10, 1939, Serial No. 298,760
2 Claims. (Cl. 96—24)



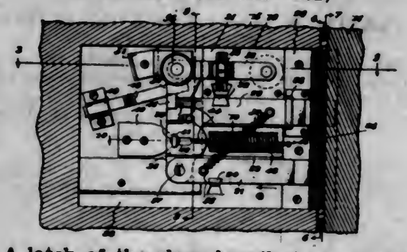
1. A fabric, made upon a lace machine, having clothing and netting portions, the clothing portions having their threads more densely arranged with respect to the netting portions, said fabric comprising elastic warp threads and non-elastic tying threads, said fabric being stretchable in the direction of the warp and across the warp, each warp thread running continuously through the clothing and the netting portions and being tied together in said portions by the tying threads, each tying thread being associated with three elastic threads, in the clothing portion said tying threads progressively passing around the outer edge of said elastic threads and across the intermediate elastic thread and in the netting portion said tying thread passing progressively and successively around the intermediate thread and one of said outer threads, across said intermediate thread and then around the other outer thread and said intermediate thread, said outer threads when the fabric is stretched across the warp taking a sinuous configuration in both the clothing and netting areas, said intermediate threads in the clothing portion being substantially straight and sinuous in the netting portion.

2,188,641
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 15, 1938, Serial No. 196,036
28 Claims. (Cl. 105—197.2)



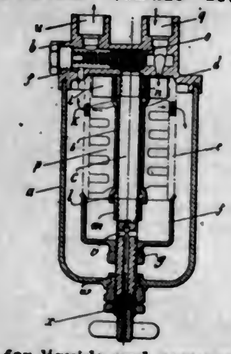
1. In a four wheel railway truck a truss side frame having a bolster opening and guide columns presenting spaced cylindrical surfaces and centrally located vertical guide flanges, a bolster end projecting into said opening and having lateral shelves of approximately half the depth of said bolster end at the top thereof, an interlocking member having a base recessed in the bottom wall of said bolster, and vertical ends abutting said shelves, each of said vertical ends and said shelves having spaced aligned cylindrical faces complementary in form to said spaced surfaces, and aligned vertical channels on said shelves and said ends cooperating with said column flanges.

2,188,642
AUTOMATIC LATCH WITH PUSH-BUTTON RELEASE
Harold Beatson Keats, Vancouver, British Columbia, Canada, assignor of one-half to Frances Gertrude Girdlestone, Vancouver, British Columbia, Canada
Application November 11, 1937, Serial No. 174,116
18 Claims. (Cl. 292—181)



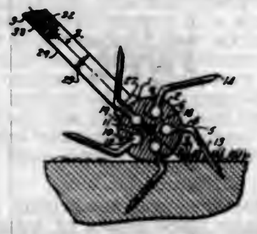
1. A latch of the class described comprising a spring-projected actuating bolt adapted to be pushed back, a latching bolt, means actuated by said actuating bolt and operatively engaging said latching bolt for moving said latching bolt to a latched position, means for releasing said last mentioned means, spring means for automatically moving said latching bolt from a latched position to an unlatched position when released, and tracks for supporting said bolts in parallel relation, the outer edges of the tracks lying within the plane of the outer side faces of the adjacent bolts, said spring means engaging said bolts and holding said bolts firmly upon said tracks.

2,188,643
FILTER
Hugo Laderer, Stuttgart-Bad Cannstatt, Germany
Application January 2, 1936, Serial No. 57,265
In Germany January 4, 1935
8 Claims. (Cl. 210—167)



1. A filter for liquids and gases, such as liquid or gaseous fuel, comprising a helix consisting of a bar of substantially rectangular cross-section with one side widened both above and below the upper and lower surfaces of the bar to form sharp edges, spacing projectings on the bar for holding the sharp edges of the convolutions a small distance apart, and means for supplying fluid and means for withdrawing same after it has been passed between the convolutions of the helix.

2,188,644
CULTIVATOR
Byron O. Short, Pierce City, Mo.
Application June 23, 1938, Serial No. 215,403
4 Claims. (Cl. 97—52)



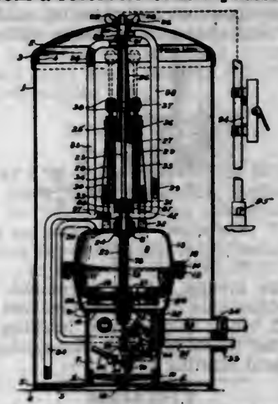
1. In a cultivator, a cultivating element including a rotatable metallic disk having a circular peripheral face, and a plurality of teeth having shanks provided with key means imbedded in the metal of said disk and having prongs arranged at obtuse angles to said shanks, said key means being adapted to maintain said shanks immovable in the disk and projecting a fixed radial distance so that said prongs are rigidly retained substantially tangential with the peripheral face and in the plane of rotation of said disk.

2,188,645
CARBON SOLVENT AND LUBRICANT
Roy L. Buffington, Marietta, Ohio
No Drawing. Application May 7, 1937, Serial No. 141,375. Renewed December 28, 1939
5 Claims. (Cl. 87—9)

1. A composition of matter suitable for addition to motor fuels and to lubricating oil and grease, which comprises the following substances in about the proportions stated: low boiling single ring aromatic hydrocarbon, 25 gallons; a low-nitro single ring aromatic hydrocarbon, 6.75 gallons; a tri-nitro single ring aromatic hydrocarbon, 2 ounces, naphthalene, 22 lbs.; pyridine, 1 quart; such substances being dissolved in 20 gallons of a lubricating mineral oil.

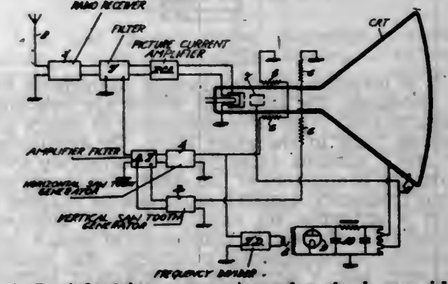
2,188,646
PUMP ASSEMBLY
Ray Bunch, Los Angeles, Calif.
Application September 29, 1937, Serial No. 166,320
4 Claims. (Cl. 221—80)

1. In a fluid transporting and moving apparatus, a portable housing adapted to contain fluid to be transported and moved, a fluid pressure tight casing secured within the bottom of said housing and providing a base for the fluid moving apparatus, said casing enclosing a valve, a housing secured to and superimposed on the valve casing and enclosing a motor controlled by the valve, a unit comprising a plurality of pumps fixed to the top of the superimposed housing, means connecting the motor with the pumps to operate the latter, a supply pipe leading to said pumps from a reservoir of low pressure fluid and



a conduit leading from the pumps to a valve device.

2,188,647
CATHODE RAY APPARATUS
Ernst Busse, Hamburg, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 15, 1936, Serial No. 64,003
In Germany February 18, 1935
7 Claims. (Cl. 250—27)

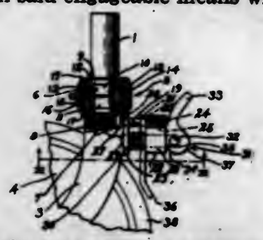


1. In television apparatus wherein is provided a cathode ray tube having an anode, the method of energizing the anode of the cathode ray tube which comprises the steps of generating a sawtooth wave voltage of predetermined frequency, deriving a portion of the generated energy, converting the derived energy to energy of a frequency bearing harmonic relation to the generated energy, rectifying the converted energy, filtering the rectified energy and supplying the filtered energy to the anode.

2,188,648
CASTER
Adelard A. Bouvier, John Kostolecki and Wilfred E. Sherman, Palmer, Mass., assignors to Jarvis & Jarvis, Inc., Palmer, Mass., a corporation of Massachusetts
Application April 21, 1938, Serial No. 203,408
3 Claims. (Cl. 16—35)

1. In a device of the character described the combination of a stem-like member and a castor supporting member having a swivel connection therewith, a castor wheel pivoted to said supporting member, one of said members having engageable means thereon and the other binding means movable into engagement with said

engageable means and having brake means thereon for engaging the castor wheel and means adjustable to one position for engaging said binding means with said engageable means without moving the brake means into engagement with the wheel and adjustable to another position for forcing the said brake means into braking engagement with the wheel without disassociating said engageable and binding means.

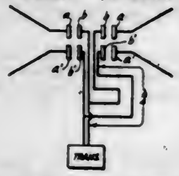


2,188,649

ANTENNA

Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 9, 1936, Serial No. 67,786
Renewed September 23, 1938
8 Claims. (Cl. 250—11)



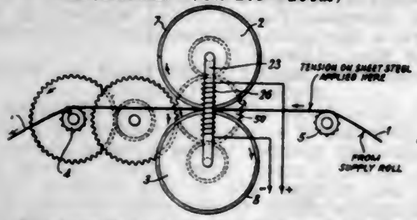
7. A directive antenna system comprising two V antennae, the apices of which are relatively close to each other, the conductors of said V antennae lying in the same plane, the conductors of one V antenna extending and diverging away from the conductors of the other V antenna, and high frequency translating apparatus coupled to said V antennae for exciting both V antennae simultaneously and the conductors of each V with opposite instantaneous polarities, the spacing between said V antennae as measured between the centers thereof being equal to a multiple, including unity, of half the length of the communication wave, said two V antennae being excited in a multiple half phase relationship, the number of said second mentioned multiple being electrically equivalent to the number of said first mentioned multiple so as to provide a bidirectional antenna system.

2,188,650

MAGNETIC RECORDING

Gilbert R. Clark, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 23, 1938, Serial No. 203,736
14 Claims. (Cl. 179—100.2)



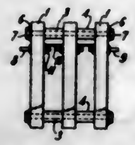
1. A magnetic scanning system for recording signal impulses comprising a sheet of magnetic material, means for passing said sheet between a pair of movable drums having magnetic pickup means located thereon and to record a signal by magnetically coupling the movable elements with a source of signal impulses.

2,188,651

INDUCTANCE COIL

Harold Walter Cox, Mitcham, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company

Application April 26, 1937, Serial No. 138,997
In Great Britain April 29, 1936
2 Claims. (Cl. 175—359)



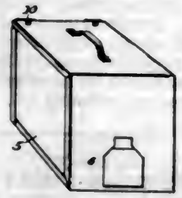
1. An inductance coil comprising a plurality of substantially thick plates of insulating material having a low temperature coefficient of expansion, a circular conductor turn on and intimately associated with each surface of said plates forming a portion of the turns of said coil, each plate having a plurality of apertures and metallic means in at least one aperture for joining the turns of opposite surfaces together, means for spacing said plates apart including a plurality of spacing members, the material and length of said spacing members being such that on an increase of temperature of the inductance coil as a whole the variation of inductance due to an increase in diameter of the turns will be counteracted, and means between adjacent plates for electrically connecting conductor turns on facing surfaces together.

2,188,652

ANIMAL TRAP

Nicholas Cress, Ambridge, Pa.

Application June 30, 1938, Serial No. 216,745
5 Claims. (Cl. 43—61)



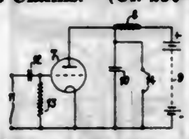
1. An animal trap comprising a box having an opening at one end, an automatically operated sliding door for closing said opening and having an interiorly and upwardly extending tongue, means cooperating with said tongue for holding the door above said opening when the trap is set, means actuated by an animal which has entered the trap for withdrawing said door holding means out of cooperation with said tongue thereby allowing the door to fall and close said opening, and means engaging said tongue for holding the door over the opening when the trap has been sprung.

2,188,653

ELECTRONIC OSCILLATION GENERATOR

Charles Leslie Faudell, Acton, London, and Eric Lawrence Casling White, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application April 12, 1937, Serial No. 136,262
In Great Britain February 4, 1936
3 Claims. (Cl. 250—36)



1. An oscillation generator comprising means for supplying direct current to a series resonant network of predetermined time period, means for thermionically varying an impedance path across only one element of the network periodically under the control of energy impulses spaced in time less than the predetermined time period of the resonant network, and means for deriving saw-tooth wave energy from the element.

2,188,654

SUSPENSION FOR CAR WHEELS

Ethelbert Favary, Burbank, Calif.

Application June 12, 1937, Serial No. 147,937
13 Claims. (Cl. 280—104)



1. In a suspension for a plurality of adjacent car wheels, a bracket for each of said wheels, one end of each bracket pivotally attached to the car structure, means connecting the other end of each bracket to a wheel journal, yielding resisting means for cushioning each of said wheels with respect to the car and spaced from said journal in a horizontal direction, a tension member connecting one end of said yielding resisting means with the journal end of said bracket and having such length that comparatively large vertical axle motion results in but small "give" in the resisting means, and means for substantially equalizing the load on the wheels.

2,188,655

LOUDSPEAKER AND THE LIKE

Robert Rodger Glen, Biarritz, Basses-Pyrenees, France, assignor to Glen's Patents and Holdings Inc., New York, N. Y., a corporation of Delaware

Application September 30, 1937, Serial No. 166,534
In Great Britain October 6, 1936
8 Claims. (Cl. 181—31)



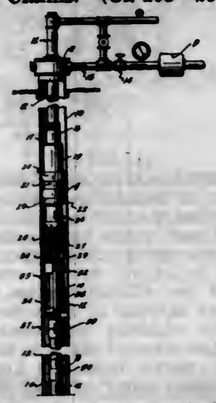
8. In loudspeakers and the like, a sound reproducing means adapted to be electromatically driven and comprising a cone adapted to be vibrated and an associated frustum supported at its outer edge and joined to said cone at its inner edge in a manner providing an edge-to-edge joint, and flexible joining means comprising adhesive material including a loading agent and a covering of adhesive tape applied on one side at said joint for uniting said frustum to said cone; said cone and frustum subtending different central angles.

2,188,656

MEANS FOR FLOWING WELLS

Samuel Allen Guiberson, III, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware

Application September 28, 1936, Serial No. 102,863
11 Claims. (Cl. 103—233)



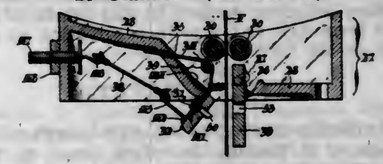
1. A well flowing device including a tubing string, a packing assembly adapted to be connected to the lower end of the tubing string, a second packing assembly connected in the tubing string and spaced above the first assembly, means for setting said assemblies in the well whereby a packed off space is provided therebetween, said tubing string being provided with apertures to permit the well liquid which flows through the tubing string through the lower packing assembly to enter said space, means for introducing a pressure lifting fluid into said space and a series of stage valves between the packers to permit the pressure lifting fluid to enter the tubing to raise the well liquid to the surface in stages through the tubing, and means for controlling the introduction of the lifting fluid by the pressure thereof.

2,188,657

FILM FIRE QUENCHING AND MINIMIZING APPARATUS

George W. Hanlon, Darby, Pa.

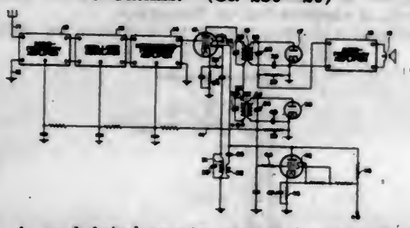
Application November 8, 1937, Serial No. 173,348
10 Claims. (Cl. 169—2)



6. The combination with motion film apparatus including feeding means for engaging in rows of holes along the margins of the film, fire pads at opposite sides of the film in advance of said feeding means, and means for bringing said pads together on the film, of blades on one of said pads for cutting through the film margins along the rows of holes, and openings for receiving said

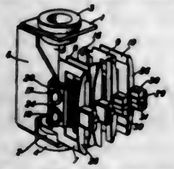
blades in the other pads, so that when the pads are brought together, the blades are projected through the apertured film margins into position for cutting them as aforesaid.

2,188,658
SIGNAL-TRANSLATING SYSTEM
Lloyd M. Hershey, Brooklyn, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 16, 1938, Serial No. 202,442
13 Claims. (Cl. 250—20)



1. A modulated-carrier signal-translating system including a signal-translating channel, a signal-translating stage in said channel, the signal output of said stage having two characteristics, and a regressive control means coupled to said channel including means responsive only to one of said two characteristics for producing a control effect varying in accordance therewith and means for utilizing said control effect for altering only the other of said two characteristics, whereby said control means is unresponsive to alterations in said other of said two characteristics.

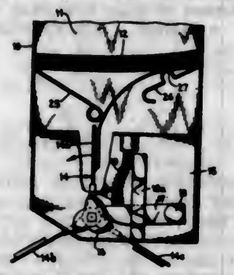
2,188,659
SELECTOR SWITCH BRUSH
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1938, Serial No. 214,913
5 Claims. (Cl. 200—171)



1. A brush for sliding engagement with the contact faces of the terminals of a terminal bank comprising a contact shoe and a frame of spring material for supporting said shoe, said frame being rigid in the direction of travel of said shoe over the terminals of the bank and flexible in a direction at right angles to the contact faces of the terminals and also in a direction at right angles to the face of the bank.

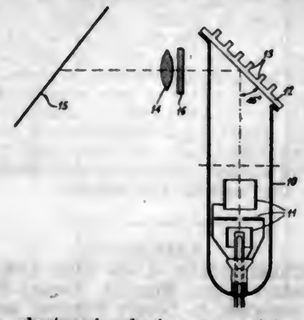
2,188,660
TOWEL DISPENSING APPARATUS
Richard C. Kettles, Jr., Glen Head, N. Y.
Application August 9, 1938, Serial No. 223,803
3 Claims. (Cl. 312—60)

1. In an inter-folded towel dispensing apparatus a cabinet providing a supply magazine with an outlet at the bottom through which towels may be successively withdrawn and including in combination therewith a multi-bladed spider-shaped member having a plurality of radiating blades pivotally mounted in the cabinet below the towel outlet and mounted for intermittent rotary motion, one of the blades of said member being disposed to normally block manual access to a towel depending through the outlet, said blade upon intermittent rotary motion of said member, produced by manual action upon another blade, being displaceable to a position



rendering said towel edge accessible for manual withdrawal and a further blade upon intermittent rotary motion with the spider-shaped member adapted to deflect said towel edge forwardly and thereupon serving as a barrier preventing access to the leading edge of a following towel, and blocking means cooperating with the spider-shaped member to compel intermittent motion in one direction only.

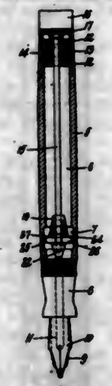
2,188,661
ELECTRONIC DEVICE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 13, 1937, Serial No. 130,618
In Germany March 19, 1936
3 Claims. (Cl. 250—164)



1. An electronic device comprising a transparent cylindrical envelope closed at one end, an electron gun mounted within the envelope at the closed end and coaxial with the envelope, a metallic finned end wall having a high polished planar surface sealing the envelope at an angle with respect to the axis of the envelope, the fins of said end wall being external to the envelope, and a layer of luminescent material within the envelope supported on the highly polished planar surface of the end wall.

2,188,662
FOUNTAIN PEN
David J. La France, Arlington, Mass.
Application August 2, 1938, Serial No. 222,649
6 Claims. (Cl. 120—47)

1. A fountain pen having, in combination, a barrel provided with a reservoir for ink therein, a rod mounted upon said barrel, a valve member fast to said rod within said reservoir and having a frusto-conical seat embodied therein, a stop fast to the rod within the reservoir, and a valve member constituting a piston loosely mounted upon the rod between said first named valve



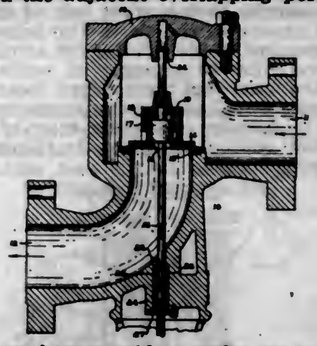
member and stop and having a frusto-conical seat embodied therein arranged to co-operate with said first named seat to prevent a flow of air therebetween and through the piston during an inward movement of the rod while permitting a flow of air during an outward movement of the rod.

2,188,663
PROCESS OF MAKING FINE PARTICLE ALKALINE EARTH METAL CARBONATES
Raymond R. McClure and John Pierre Seguin, Painesville, Ohio, assignors to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware
Application April 4, 1938, Serial No. 199,910
10 Claims. (Cl. 23—66)

1. A process of precipitating alkaline earth metal carbonate of fine particle size, which comprises treating with carbon dioxide a water suspension of alkaline earth metal hydroxide containing a crystalline, completely water-soluble material of the class consisting of monosaccharides, disaccharides and polyhydroxy alcohols containing 4, 5 or 6 hydroxyl groups which do not react with the alkaline earth metal to form an insoluble precipitate.

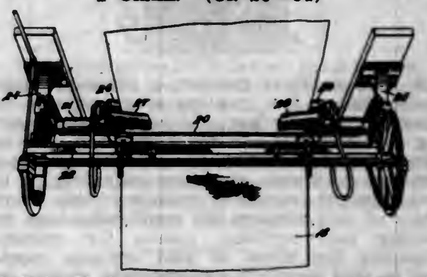
2,188,664
VALVE STEM PACKING
Norman L. Mochel, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1937, Serial No. 176,908
2 Claims. (Cl. 286—33)

1. The combination with a longitudinal movable stainless steel rod or stem and a member having an opening through which said rod extends, of packing for sealing against leakage of high temperature and high pressure fluid through said opening and along the rod and comprising a stack of thin metallic washers in the opening, each of said washers being of continuous annular formation and formed from chrome molybdenum steel, said stack comprising alternately arranged first and second washers, the first washers having openings conforming closely to the cross section of the stem or rod, and the second washers having openings which are larger than those of the first washers and whose bounding edges and the adjacent overlapping portions of



the first washers provide annular grooves separated by the latter washers.

2,188,665
FABRIC STRETCHING AND STRAIGHTENING APPARATUS
Paul A. Sperry, New Haven, Conn.
Application March 11, 1937, Serial No. 130,351
1 Claim. (Cl. 26—54)

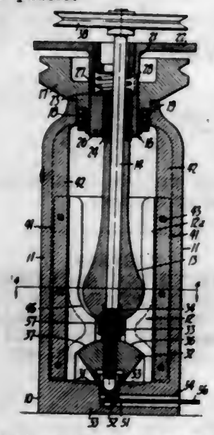


A flat web fabric stretching and straightening apparatus comprising a reel, means for guiding the fabric in rope-form to said reel so as to conduct the fabric over said reel, means for rotating said reel, power driven feed rolls between which the fabric is passed positioned at a sufficient distance from said reel to provide a substantial sag in the fabric without support therebetween to partially open the rope formation thereof to a substantially flat web formation, a pair of guide rolls adjacent to said feed rolls and in advance thereof, said guide rolls being mounted for rotation on axes which are inclined diagonally in the direction of the movement of the fabric and movable toward and from each other to engage and grip the opposite marginal selvage surfaces of the moving fabric and pull the same laterally, so as to completely straighten out the moving fabric by exerting a transverse pull thereon.

2,188,666
GYRATORY CRUSHER
John H. Spohn, Jr., San Francisco, Calif.
Application November 6, 1937, Serial No. 173,159
8 Claims. (Cl. 83—10)

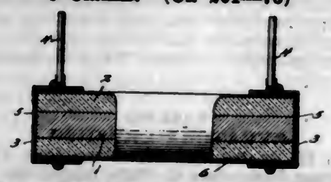
1. In a crushing and grinding machine of the character described, a vertically extending spindle, a pestle journaled upon said spindle for free rotation relative thereto, a rotor of an attrition mill fixed to the lower end of said spindle below said pestle for rotation with said spindle, a bowl structure surrounding both the pestle and said rotor, said bowl structure having

surfaces cooperating with said rotor for fine grinding operations, means for imparting gyratory movement to the upper end of the pestle and the associated spindle to also impart gyratory movement to the rotor of the attrition mill, said spindle having a center of oscillation adjacent the lower end thereof, and means for simultaneously applying turning movement to said spindle to thereby rotate the rotor of the attrition mill without applying like turning movement to the pestle.



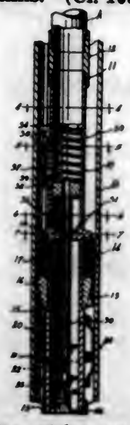
8. In a gyratory crusher, a generally upright pestle, means for gyrating said pestle, a bowl structure surrounding said pestle and cooperating with the pestle to effect crushing, said bowl structure being split along vertical lines into two sections, a frame structure including a base and upright members adjacent the vertical edges of said sections for positioning and reinforcing said sections, means for releasably clamping the edges of said sections together and to said members, independent means serving to pivotally connect both said bowl sections to said frame structure, whereby said bowl sections, after releasing said clamping means, may be swung outwardly with respect to said pestle.

2,188,667
RESISTOR AND METHOD OF MAKING THE SAME
Erwin R. Stoekle and George M. Ehlers, Milwaukee, Wis., assignors, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application January 8, 1935, Serial No. 890
6 Claims. (Cl. 201—76)



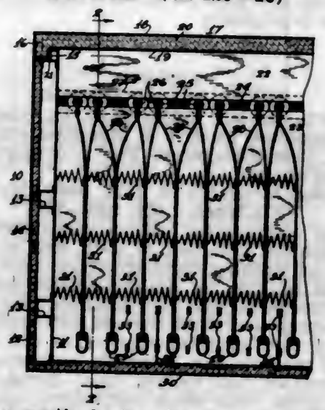
1. The method of making an electrical resistor which comprises mixing with a fine grained plastic ceramic a portion of a compound convertible by heat into an electrical conductor, adding to said mixture a coarse grained refractory ceramic, mixing the whole into a uniform plastic mass, extruding said mass into rods, drying said rods and firing them at the maturing temperature of said ceramic mixture.

2,188,668
MEANS FOR FLOWING WELLS
Feri A. Thaheld, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application March 30, 1936, Serial No. 71,669
11 Claims. (Cl. 103—232)



1. In combination with a well tubing and casing, a support adapted to be connected with the well tubing and forming a continuation thereof, means for packing off the space between the well tubing and well casing, means for introducing a lifting fluid into the well casing above the packing means, the support having an admission port and a bypass for establishing communication between the interior of the casing and the tubing, movable means including a piston within the support for controlling the flow of lifting fluid through the bypass to the tubing, said admission port being located below the piston and a valve seat at the lower end of the support coacting with the movable means whereby said means also controls the flow of well liquid from the bottom of the hole into the tubing.

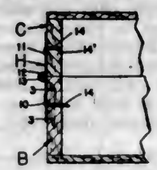
2,188,669
PLAN FILE
Charles B. Ulrich, Jamestown, N. Y.
Application November 26, 1937, Serial No. 176,469
6 Claims. (Cl. 129—16)



1. In a vertical plan file, the combination of a casing, horizontally disposed members in the upper portion of said casing in parallel arrangement, filing pockets suspended in said casing from and opening between said members, and horizontally disposed bars on the inner surfaces of the upper portions of opposite side walls of said casing and supporting said members for sliding movement to accommodate varying thicknesses of contents in said pockets, each of said members being of sheet metal in the form at its mid-portion of a tube and having parallel edge flanges extending from the same side of said tube and secured together, and said pockets including vertically extending sheet metal bands located at their upper end portions between the flanges on said members and having formed upper ends fitting within the tubes of said members.

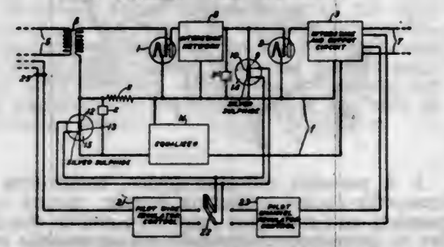
3. In a vertical plan file, the combination of a casing, horizontally disposed members in the upper portion of said casing in parallel arrangement, filing pockets suspended in said casing from and opening between said members, horizontally disposed bars on the inner surfaces of the upper portions of opposite side walls of said casing and supporting said members for sliding movement to accommodate varying thicknesses of contents in said pockets, and vertically disposed partitions across the lower inner portion of said casing parallel with said pockets and holding said pockets in desired groupings.

2,188,670
HINGE
Robert S. Wagner, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 22, 1937, Serial No. 165,040
2 Claims. (Cl. 16—159)



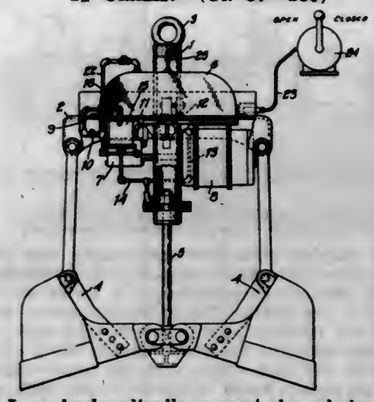
1. A hinge having pivotally interconnected lightweight sheet metal leaves, and a prong integral with one of said leaves, said prong having a mean plane parallel to the axis of said pivotal interconnection and being curved transversely in cross section to provide edges disposed from said mean plane.

2,188,671
WAVE AMPLIFYING SYSTEM
Ira G. Wilson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1938, Serial No. 198,619
15 Claims. (Cl. 179—171)



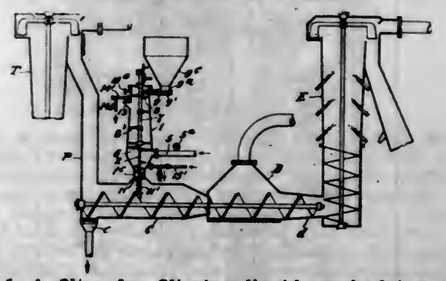
1. The method of operating on a negative feedback amplifier which comprises changing the over-all amplifier gain and making the magnitude and frequency variations of the gain around the feedback loop the same for the changed over-all gain as for the original over-all gain.

2,188,672
GRAB BUCKET
Herbert S. Atkinson, East Orange, N. J., assignor to The Hayward Company, New York, N. Y., a corporation of New York
Application June 6, 1938, Serial No. 212,006
11 Claims. (Cl. 37—186)



1. In a hydraulically operated grab bucket of the kind in which the hydraulic system including reservoir, electric pump and power cylinder are all incorporated in the bucket structure and remotely controlled through flexible leads, the improvement which comprises the combination with such system of a pressure reactor subject to the pressure developed by the pump and reacting to close the bucket when the pump stops.

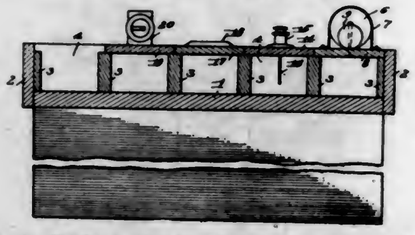
2,188,673
FILTER FOR FILTERING LIQUIDS
Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware
Application August 31, 1935, Serial No. 38,805
4 Claims. (Cl. 210—141)



1. A filter for filtering liquids embodying, in combination, a container, a filtering-material feed-conduit connected with said container, means cooperating with said feed-conduit for providing and moving through said feed-conduit a compressed impermeable plug of filtering material, a rotatable supporting member within said container for releasably supporting a bed of filtering material therein, an independently rotatable packing mechanism disposed above said supporting member, a conduit at one end of said bed for feeding a liquid to be filtered through said supported bed of material, an outlet conduit for

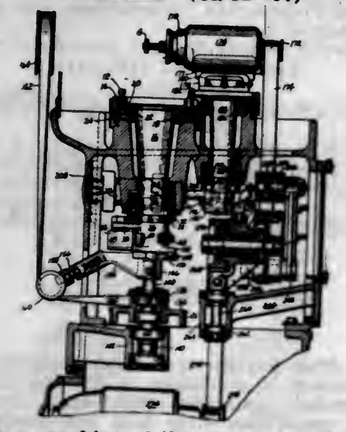
said liquid at the opposite end of said bed, and means for periodically releasing filtering material from said bed, said tank having a discharge outlet for discharging said released filtering material from said tank.

2,188,674
MERCHANDISE DISPLAY STRUCTURE
Grover A. Clicquennoi, Rochester, N. Y.
Application June 1, 1938, Serial No. 211,239
2 Claims. (Cl. 206—77)



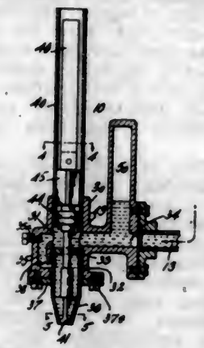
1. A display structure comprising side walls, and intermediate vertical partition members affording pockets therebetween, a series of independently removable flat article-carrying panels positioned horizontally between said side walls, the outer edges of the outer panels being in contact with the side walls, and the inner edges of adjacent panels being in contact with each other and resting upon the adjacent underlying partition member, whereby any particular panel is reversibly positionable with the article mounted thereon depending into the pocket beneath.

2,188,675
GRINDING MACHINE
Raymond H. Cramer, Newark, and Philip H. Hutchinson, Montclair, N. J., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 9, 1938, Serial No. 189,612
54 Claims. (Cl. 51—97)



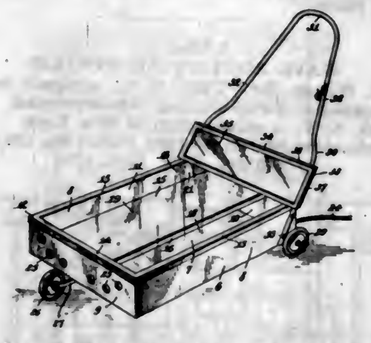
1. In a machine of the character indicated, a work head, a tool head, mechanism including an actuating link for oscillating one of the heads in a predetermined field, said link comprising a cylinder and piston having a constant relation during said oscillation in the predetermined field, and means for shifting the piston in the cylinder to change the location of the field of oscillation; substantially as described.

2,188,676
APPARATUS FOR DISPENSING MEASURED CHARGES OF FLUENT MATERIAL
John P. Crandall, Buffalo, N. Y.
Application November 9, 1938, Serial No. 239,667
5 Claims. (Cl. 221—84)



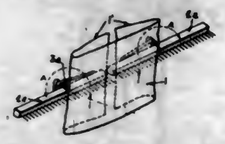
1. In an apparatus for dispensing fluent material in measured quantities, a discharge device having a receiving chamber to which the material is delivered in successive measured quantities under pressure, and a discharge chamber partitioned therefrom and having a restricted communication therewith, a discharge nozzle communicating with said discharge chamber, a valve plug movable axially to and from a seat in said nozzle for closing and opening said nozzle, a cylinder axially alined with said nozzle and communicating with said receiving chamber, a piston movable in said cylinder and connected to said valve plug to move therewith, said piston being actuated by pressure thereon of the material in said receiving chamber to unseat said valve plug, and self-acting means which move said piston to seat said valve plug when the pressure on the material delivered to said chamber is interrupted.

2,188,677
PORTABLE CONDITION FINDER FOR INVISIBLE PARTS OF AUTOMOBILES
Donald B. Dickinson, Silver Creek, N. Y.
Application September 30, 1938, Serial No. 232,634
8 Claims. (Cl. 240—4.2)



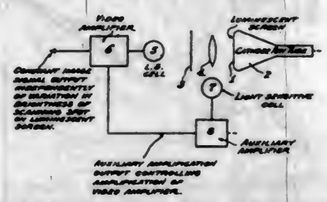
1. A portable reflector device, comprising an upwardly-facing reflecting mirror, means supporting said reflecting mirror to enable the latter to be moved underneath an automobile substantially parallel to the surface on which the latter rests, and means associated with said reflecting mirror to illuminate the under side of the automobile and cause a clear reflection of the illuminated portion of said under side in said reflecting mirror.

2,188,678
PROCESS OF TOPPING
Gustav Herbert Dietrich, Meinersdorf in Erzgebirge, Arnold Verbeek, Wustenbrand in Saxony, and Erich Eissner, Chemnitz, Germany, assignors to Kallo, Inc., New York, N. Y.
Application February 28, 1938, Serial No. 192,970
In Germany March 4, 1937
11 Claims. (Cl. 66—148)



1. The method of topping series of needle wale loops and sinker wale loops of paralleling courses onto corresponding paralleling topping point sections, comprising: impaling one of said series on its corresponding topping point section with the loops pointing in one direction, and then impaling the other series on its corresponding topping point section with the loops pointing in the same direction.

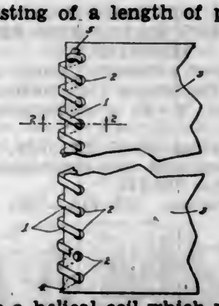
2,188,679
TELEVISION AND LIKE SYSTEM
George Dovaston and George Edward Gordon Graham, London, England, assignors to Baird Television Limited, London, England, a British company
Application May 27, 1939, Serial No. 276,160
In Great Britain November 5, 1937
6 Claims. (Cl. 178—7.2)



1. A television system comprising a cathode ray tube having a luminescent screen exposed to an electron beam, means for projecting the scanning spot of light formed by said beam on said screen upon an object to be scanned, a light sensitive device for receiving the light after it has been incident upon said object, means connected to said light sensitive device for providing an image signal corresponding to the light and shade of the object, an auxiliary light sensitive device arranged to receive light directly from said screen, and means connected to said auxiliary light sensitive device to compensate for local variations in the brightness of the spot of light on the screen.

2,188,680
SPIRAL BINDER
Frank F. Farkas, Chicago, Ill., assignor of one-half to Emil N. Farkas, Chicago, Ill.
Application October 10, 1938, Serial No. 234,179
4 Claims. (Cl. 129—1)

1. A binder for sheets having marginal perforations, consisting of a length of plastic material

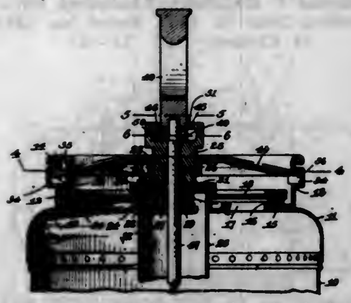


formed into a helical coil which may be screwed into said perforations.

2,188,681
CORROSION RESISTANT COPPER-ZINC ALLOY
John R. Freeman, Jr., Middlebury, and Arthur W. Tracy, Waterbury, Conn., assignors to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application March 20, 1939, Serial No. 263,062
5 Claims. (Cl. 75—155)

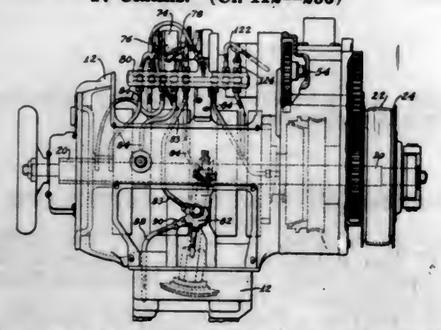
1. A copper-zinc alloy containing from approximately 58% to 85% copper, 0.005% to 2.0% silver, and the remainder zinc.

2,188,682
DISPENSING DEVICE
Otto Goetz, Batavia, N. Y., assignor to R. E. Chapin Manufacturing Works, Inc., Batavia, N. Y., a corporation of New York
Application July 2, 1936, Serial No. 88,624
6 Claims. (Cl. 221—77)



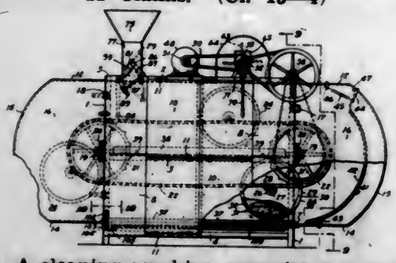
1. A compressed-air spraying tank having an inwardly-directed shoulder wall provided with a comparatively large opening and having the metal at said opening rebent, a comparatively large filling funnel of somewhat smaller diameter than said tank and of larger diameter than said opening applied to the top of said shoulder wall and including a comparatively wide inwardly-directed flange at its lower end over the inner portion of which the rebent portion of said shoulder wall is laid, said filling funnel including a peripheral wall having internal lock-notches, a closure for said opening including a washer in contact with the rebent portion of said shoulder wall, a lock-element extending diametrically over said closure and having opposite ends thereof detachably engaged in said lock-notches, and a power-device movably engaging said lock-element and closure to exert pressure against the two in opposite directions, said power-device being yieldingly secured to said closure.

2,188,683
LUBRICATING MEANS FOR SEWING MACHINES
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application April 29, 1936, Serial No. 76,924. Divided and this application April 6, 1938, Serial No. 200,410
17 Claims. (Cl. 112—256)



1. A sewing machine having, in combination, stitch forming devices comprising a rotary loop taker disposed above the work being operated upon, a bearing for the loop taker, actuating mechanisms for said devices, an oil retaining casing surrounding said mechanisms, means for providing a continuous supply of lubricating oil to the loop taker bearing, and a loop deflector surrounding the loop taker and having a concavity to conduct surplus oil from the bearing back into the oil retaining casing.

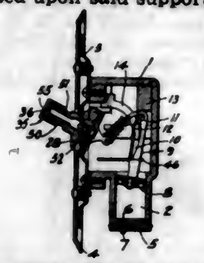
2,188,684
MACHINE FOR CLEANING FURS
Nicholas V. Hagopian, Cleveland, Ohio
Application June 14, 1937, Serial No. 148,020
11 Claims. (Cl. 15—4)



1. A cleaning machine comprising a tumbling drum for holding articles to be cleaned, a plurality of openings through a peripheral wall of the drum, means for rotating the drum, means for blowing a current of air onto articles in the drum to dry the same, and means exterior of the drum for automatically dropping fresh cleaning compound of comminuted solid particles having a liquid entrained therein in a direction substantially parallel to the plane of rotation of the drum through the openings and onto articles in the drum.

2,188,685
DELAYED ACTION SWITCH
Archie Josephson, Hollywood, Calif., assignor to Victory Switch Company, Hollywood, Calif.
Application June 14, 1939, Serial No. 279,137
9 Claims. (Cl. 200—34)

1. In an electric switch construction, a support, a retarding piston mounted upon said support and including a piston head and a piston rod provided with a shoulder which is directed away from said head, a swingable member supported upon said mounting means, during the circuit opening movement of the switch, said member being retardable by reason of a portion thereof engaging said shoulder, a compression spring operatively related to said swingable member, a manually rockable switch including a spring hanger mounted upon said support, one end por-



tion of said spring being anchored to said hanger whereby the rocking of said switch in one direction causes said swingable member to be pressed by said spring against said shoulder to cause a retarded opening of the circuit, and manually operable means extending through said switch to disengage said swingable member from said shoulder to cause an immediate opening of the circuit before said piston has reached the limit of its retarding movement.

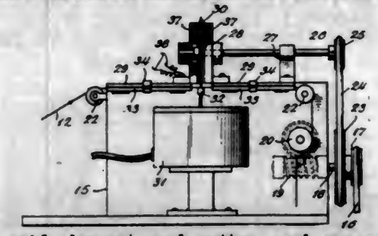
2,188,686
LUFFING CRANE
Bernard H. Kersting, Ben Avon, and Hans Enard, Coraopolis, Pa., assignors to Dravo Corporation, a corporation of Pennsylvania
Application February 25, 1939, Serial No. 258,534
9 Claims. (Cl. 212—8)



1. Means for swinging a structure pivotally mounted upon a support, such means including a frame, two carriages mounted in the frame for longitudinal movement relative thereto, and pivoted severally to the structure and the support at points remote from the pivot point, two nuts mounted on gimbal mountings, each in one of said carriages, and a screw simultaneously engaged by the two said nuts and adapted on rotation to effect the drawing together of the nuts and of the carriages that bear them.

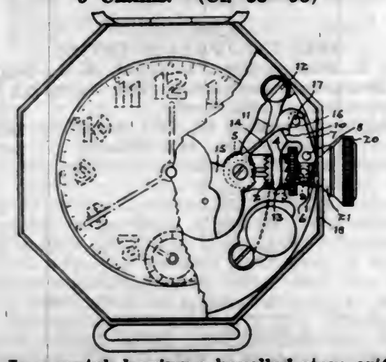
2,188,687
METHOD AND APPARATUS FOR RECORDING AND REPRODUCING SOUND
Peter Lohn, New York, N. Y., assignor of thirty-four per cent to Ferdinand Savignano, New York, N. Y.
Application April 7, 1938, Serial No. 200,640
3 Claims. (Cl. 179—100.4)

1. Sound recording apparatus comprising, in combination, a sound responsive device having a vibratory element engageable with one surface of a film to impart vibrations thereto in accordance with sound transmitted to said device, a cutter engaging the other surface of said film in opposed relation to said vibratory element, means to heat said cutter, means to feed said film



past said element and cutter, and spaced film gates forming enclosed passageways for said film disposed on opposite sides of said element and cutter and through which said film is guided with the portion of the film in the space between said members unsupported so that it will flex in response to the vibrations of said vibratory element.

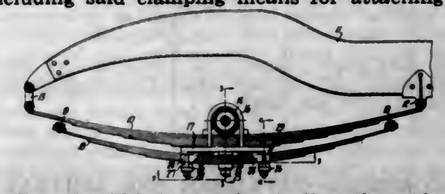
2,188,688
WATCH CROWN SEAL
George Edward Mack, Truro, Nova Scotia, Canada
Application December 1, 1937, Serial No. 177,436
3 Claims. (Cl. 58—95)



1. In a watch having a bevelled stem orifice in the case, the combination with the shipper spring and co-operating set lever and stem, said parts having a normal neutral relation with the stem in normal winding position, of a crown mounted on said stem having a bevelled surface positioned to sealingly engage the bevelled stem orifice, all of said parts being so constructed and arranged as to effect said sealing engagement at a point intermediate of the inward travel of the stem to normal winding position to prevent the full return of said shipper spring and co-operating parts to their normal position, whereby the urge of the shipper spring to assume normal position is utilized to maintain definite pressure-sealing engagement between the respective bevelled surfaces and compensate for wear therebetween.

2,188,689
VEHICLE SPRING
Fred W. Marco, Berkeley, Calif., assignor to Laher Spring & Tire Corp., Oakland, Calif., a corporation of Oregon
Application May 28, 1937, Serial No. 145,271
10 Claims. (Cl. 267—45)

1. In a device for application to a vehicle spring of the semi-elliptical leaf type, for increasing its effective load carrying capacity, the vehicle spring being characterized by means at one end of the same for connection with the vehicle and also by means attached to one medial portion of the spring for clamping one side of the spring against a part of the vehicle, a supplemental helper spring of the semi-elliptical leaf type, mounting means including said clamping means for attaching a



portion of said helper spring to the other side of the vehicle spring, whereby an end portion of the helper spring is disposed to resist deflection of the vehicle spring under its load, and means incorporated with said mounting means for adjusting the normal position of said end of the helper spring relative to the vehicle spring, thereby adjusting the same to different vehicle loads.

2,188,690
FILM MAGAZINE
Isaac N. Odell, Rochester, N. Y., and Francis Meade Bailey, Ames, Iowa, assignors to Defender Photo Supply Company, Incorporated, Rochester, N. Y., a corporation of New York
Application December 28, 1938, Serial No. 248,088
17 Claims. (Cl. 95—72)

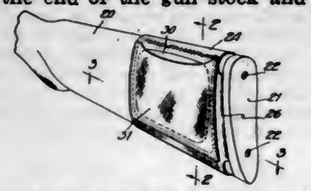


1. The combination with a film magazine having an inlet opening, of a support carried by the magazine and located to one side of said opening, a guide member extending across said opening and mounted on said support, said guide member being movable endwise of the magazine in opposite directions to occupy positions successively on opposite sides of a film package, the innermost portions of the guide member being positionable successively slightly inwardly and slightly outwardly of the outer end of a film package when the latter is in the magazine

2,188,691
CHEEK REST FOR FIREARMS
Joseph Ruig Rigandi, Westerleigh, N. Y.
Application August 3, 1938, Serial No. 222,771
7 Claims. (Cl. 42—74)

1. A cheek rest for the stocks of firearms comprising a gun stock embracing body portion, a

cheek pad carried thereby and means engageable between the end of the gun stock and beneath



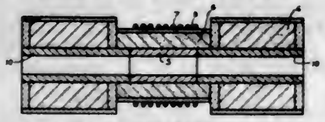
the butt plate thereof for securing the stock embracing body portion against movement relatively to the gun stock.

2,188,692
COMBINED CONTAINER AND ASHTRAY
Carl A. Schultz, Meriden, Conn., assignor to The Silver City Glass Co., Inc., Meriden, Conn.
Application February 5, 1938, Serial No. 188,861
3 Claims. (Cl. 206—1)



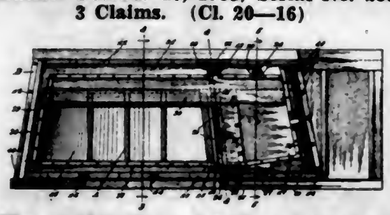
1. A combined container and ashtray composed of a pair of disconnectible members, formed to be superposed and having confronting faces each formed with a central well, the members having bounding walls devoid of projections whereby the vertical faces of the walls are substantially flush with each other in superposed relation of the members, one of said members having one of the walls thereof formed with a substantially U-shaped recess which extends from the innner face of the wall to substantially the outer face of the wall, the said wall being of such thickness to provide supports of a length to hold cigarettes in a horizontal plane, the confronting faces of the members having registering complementary projections and depressions, said projections and depressions being spaced from and independent of the U-shaped recesses and formed to hold the members when superposed against all horizontal movements relative to each other while permitting bodily separation thereof, the projections and depressions being within the confines of the outer side faces of the bounding walls.

2,188,693
MANUFACTURE OF SILICON CARBIDE RESISTORS
Almer J. Thompson, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 26, 1938, Serial No. 221,313
8 Claims. (Cl. 201—76)



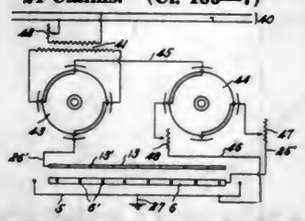
1. The method of recrystallizing a silicon carbide resistor so as to produce a resistor having relatively low resistance at room temperature, which comprises forming a resistor element from a mix consisting principally of silicon carbide grains and a temporary binder, and subjecting the formed resistor, while protected from oxidation, within the highly heated walls of a kiln, furnace, or the like to a temperature of at least 2200° C. for a period not exceeding thirty minutes.

2,188,694
AUTOMATIC MINE TRAP DOOR
Earnest L. Tucker, Coalburg, W. Va.
Application October 17, 1938, Serial No. 235,502
3 Claims. (Cl. 20—16)



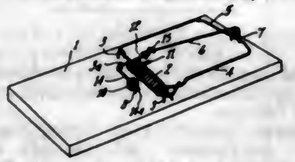
1. The combination of a door frame, a door movable through said door frame from closed to opened position, a pivot inclined to the vertical within said door frame and movably supporting the door for gravitation thereof to closed position, means associated with said pivot for varying the disposition thereof for increasing or decreasing gravity action of the door, flexible closures carried at the bottom and side edges of the door, and a self-adjusting flexible closure member interfitted with the door at its top edge and swingingly supported.

2,188,695
ELECTRIC PRECIPITATOR
Harry A. Wintermute, Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application December 22, 1937, Serial No. 181,239
24 Claims. (Cl. 183—7)



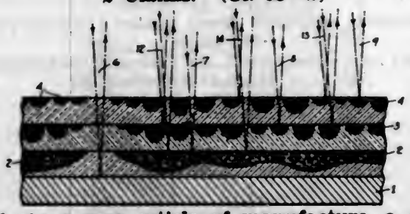
1. Apparatus for electrically treating a fluid comprising a discharge electrode, two non-discharge electrodes insulated from the discharge electrode and from each other and means for alternately establishing an electric field between the discharge electrode and each of said non-discharge electrodes.

2,188,696
RODENT OR ANIMAL TRAP
Tom Ernest Woodroffe, Otahuhu, Auckland, New Zealand
Application September 1, 1938, Serial No. 227,909
In New Zealand September 30, 1937
2 Claims. (Cl. 43—81)



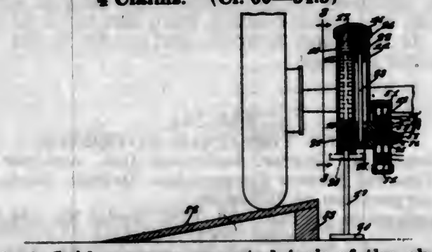
1. In rodent or animal traps of the type having a wound tension spring mounted on a base and having a striking frame adapted on release to spring from side to side of said base, a fixed bait holding means, and releasing means comprising a trip lever having a pivotally secured portion and arms extending from said portion, one of said arms being movable over the outer free end of the holding lever in its cocked position and the other arm being movable into a position adjacent to said bait holder means and beneath the piece of bait in said bait holder, whereby when the bait has been removed the releasing means will be free to release the striking frame under the spring tension thereof.

2,188,697
METHOD OF BRIGHTENING THE COLORS IN THE SUBTRACTIVE SYNTHESIS OF COLOR PHOTOGRAPHY
Francisco G. Yanes, New York, N. Y., assignor, by direct and mesne assignments, of thirty per cent to Tomas Pacanins, New York, N. Y., and fifteen per cent to Florencio Gomez, Trujillo City, Dominican Republic
Application July 8, 1936, Serial No. 89,502
2 Claims. (Cl. 95—2)



1. As a new article of manufacture, a color picture of an object comprising an opaque whitish reflecting support bearing, superimposed in register upon one of its surfaces, a plurality of layers containing colored positive images of said object, said images in the several layers being of subtractively-complementary colors and consisting of particles of opaque light-reflecting color matter, the image in the layer in immediate contact with the support consisting of an unscreened continuous-tone image and the image in at least one other layer consisting of an image having its tones broken into clearly separated minute areas, said broken-tone images permitting the showing of images underneath and producing a sort of pointillist effect.

2,188,698
AUTOMOBILE JACK
Frank S. Armstrong, Youngwood, Pa.
Application March 30, 1936, Serial No. 71,777
4 Claims. (Cl. 60—54.5)



1. A fluid pressure operated jack of the character and for the purpose described, comprising an integral structural unit having provision for attachment to the body to be lifted and including a first elongated liquid containing cylinder and a second similarly elongated liquid containing cylinder disposed side by side in parallel relation to each other and intercommunicating at one end, a jack lift medium comprising a piston and piston rod reciprocably mounted in said first liquid containing cylinder with the rod projected through the end of the cylinder remote from its communicable end, said piston rod being provided at its outer end with a supporting foot, a piston reciprocably mounted in said second cylinder in opposed relation to said first mentioned piston, a body of non-compressible liquid trapped displaceably in said cylinders between the respective pistons thereof and of an amount whereby when one piston is at the end of its cylinder the other piston is at the opposite end of its cylinder, a spring element acting to move the piston of the first cylinder towards its communicable end portion and yieldably holding it retracted in that direction, a spring element acting to move the piston of the second cylinder away from its communicable end portion and yieldably holding it retracted in that direction, and selectively operable and controllable means for supplying fluid under pressure to said second cylinder at the side of the piston therein opposite to that working against the trapped liquid and for exhausting said pressure fluid from said second cylinder, at will.

2,188,699
DIRECT PRESSURE VENTILATOR
Paul Warren Barron, Miami, Fla.
Application August 30, 1937, Serial No. 161,651
2 Claims. (Cl. 98—119)



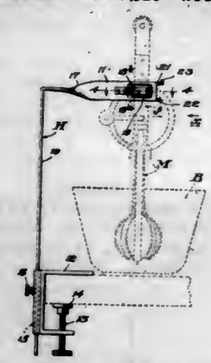
1. A ventilator comprising a casing having side end and top walls, and being open at the bottom, a pair of normally open vanes pivoted above the center at the ends of the open bottom of the ventilator and adapted to be disposed outside of a chimney, either vane being adapted to be swung closed by direct wind pressure while the other vane remains open, each vane having the lower portion thereof exposed wholly below the bottom of said walls, stop flanges on opposite walls of the casing limiting closing movement of the vanes, stop flanges adapted to engage the chimney and the vanes when the vanes are closed, the vanes when closed forming a closure for the open bottom of the casing outside of the chimney, and a central partition extending downwardly from said top wall between the side walls and separating the vanes from each other, said partition being adapted to extend downwardly into the chimney to divide the chimney into separate draft channels for directing draft upwardly against said side walls and downwardly past said vanes through the open bottom of the ventilator casing.

2,188,700
PROCESS FOR FILLING CONTAINERS
James W. Bassett, Staten Island, N. Y., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application May 23, 1938, Serial No. 209,631
8 Claims. (Cl. 226—82)

1. A process for packing and sealing plastic materials containing vesiculated gas in containers which are impervious to air, leaving substantially no air in said container other than

the vesiculated gas, which comprises placing the said plastic material in a container at atmospheric pressure, leaving a small outage, applying to said container a lid in air-tight relationship to same except for a small perforation in said lid, exhausting the air between the surface of the plastic material and the lid through the said perforation, whereby the plastic material is caused to expand and fill the space under the lid due to expansion of the vesiculated gas, and sealing the perforation in the lid while the air is thus exhausted from said container and said container remains substantially filled with said plastic material under subatmospheric pressure.

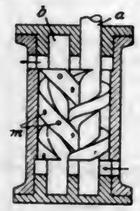
2,188,701
SUPPORT FOR BEATERS OR MIXERS
Ernest C. Brullhardt, Stratford, N. J.
Application May 20, 1939, Serial No. 274,841
6 Claims. (Cl. 248—295)



3. In a support for mixers or beaters, a substantially horizontally extending arm adapted to overlie a mixing bowl or the like, an end portion of said arm having a relatively wide vertically extending surface, a substantially horizontally extending lug struck from said arm at the portion thereof having said vertically extending surface and formed to provide a keeper offset from said vertically extending surface of the arm, the free end of said keeper extending laterally of the keeper to form an inwardly projecting lip spaced from the said surface of the arm to permit the insertion of a portion of a beater or mixer therebetween, a spring carried by the arm and extending through the opening formed by the striking-out of said keeper and adapted to press, between said lip and the closed end of said keeper, that portion of the beater inserted into the keeper, whereby the beater will be held in position against swinging movement when fully inserted into the keeper.

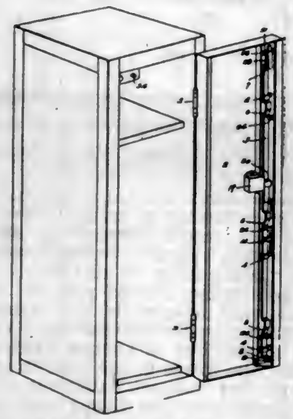
2,188,702
PUMP OR MOTOR
Franz Burghauser, Nuremberg, Germany
Application September 9, 1937, Serial No. 163,141
In Germany August 13, 1937
4 Claims. (Cl. 103—128)

1. In a pump or motor comprising a plurality of interengaging screw spindles the convolutions of the threads of said spindles describing at least one complete turn about their respective axes, a casing housing said screw spindles with a running fit with the addenda of said spindles, and means comprising a by-pass connecting the area between the immediately adjacent surfaces of the addendum of at least one of said spindles and said housing with the opposite side of said spindle for equalizing the pressures on opposite sides of said spindles, whereby the forces exerted on the



spindles by the pressure of operating fluid between said adjacent surfaces transverse to the axes of said spindles, are counteracted.

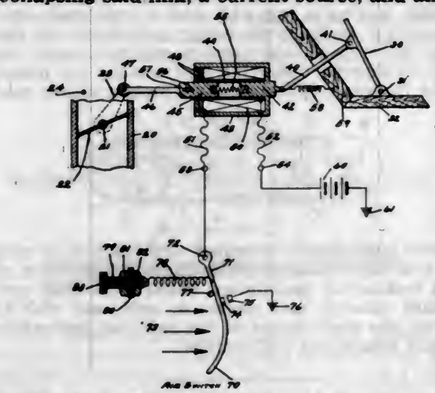
2,188,703
LATCH AND LOCK MECHANISM FOR LOCKERS, ETC.
Ethelyn M. Burke, Fond du Lac, Wis.
Application March 14, 1939, Serial No. 261,846
5 Claims. (Cl. 70—82)



1. In combination with a compartment and a door hinged thereto, a latch and lock mechanism including a plurality of normally spring retracted rotatable latch bolts carried by the door, a latch bolt control bar slidably mounted on said door, a plurality of cam surfaces on said bar corresponding to the number of said latch bolts for camming the latch bolts to operative position, said latch bolts being permitted to swing out of engagement to unlatched position when said bar is raised, and said cam surfaces on said bar positively engaging said latch bolts to swing them into locked position when said bar is moved to its lowermost position, and handle means for raising said bar.

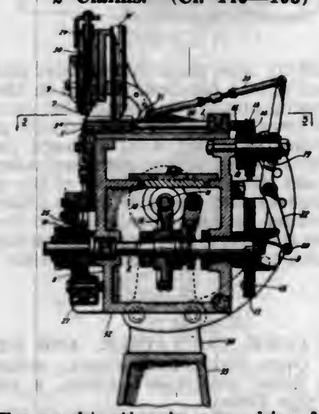
2,188,704
ENGINE THROTTLE GOVERNOR
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 12, 1938, Serial No. 190,214
5 Claims. (Cl. 123—102)

1. An engine governing system, comprising a throttle valve, a manually operated throttle control member for moving the valve toward fully open position, a collapsible link connecting the member and the valve, electromagnetic means for collapsing said link, a current source, and an en-



gine speed responsive switch for connecting the means and current source.

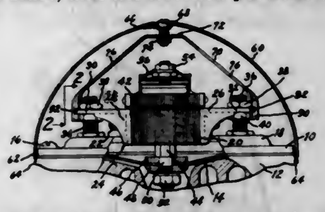
2,188,705
MACHINE FOR FORMING END LOOPS ON HELICAL SPRINGS
Frederick Leonard Cook, Brighton, Victoria, Australia
Application January 20, 1939, Serial No. 251,888
In Australia October 25, 1938
2 Claims. (Cl. 140—103)



1. The combination in a machine for forming end-loops on helical springs, of power-driven intermittently rotatable rollers, and a feed channel formed by and between said rollers, said rollers being adapted to simultaneously rotate and guide said springs while the latter are passing along said feed channel, with stop means adapted to arrest the longitudinal and rotational movements of the spring in a predetermined position of the spring, means adapted to grip the spring and retain it in this predetermined position, means adapted to engage the end convolution of the spring and bend it to form a loop, means adapted to eject said spring, and mechanism actuating all said means automatically.

2,188,706
COVER SUPPORT
Robert M. Critchfield and Joe White, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 23, 1937, Serial No. 160,440
4 Claims. (Cl. 177—7)

2. In a sound signal device, a bracket for supporting a cover, comprising in combination, a bowed strap member adapted to receive a cover retaining screw, and having its ends notched at opposite sides, and the notched portions deflected

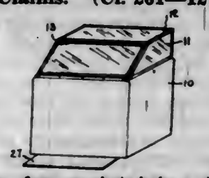


from the body of the strap, said notched and deflected portions being adapted to engage projecting approximately straight portions of the signal device.

2,188,707
HARDWARE FOR CEDAR CHESTS AND THE LIKE
Ernest C. Crocker, Belmont, Mass., assignor, by mesne assignments, to The Lane Company, Inc., a corporation of Virginia
No Drawing. Application February 19, 1938, Serial No. 191,572
10 Claims. (Cl. 91—68)

1. Metal hardware constituting a part of and exposed to the cedar aroma laden atmosphere within a storage receptacle, said hardware having a coating of a lacquer consisting essentially of a polymerized unsymmetrical ethylene derivative resin selected from the group consisting of resins formed by the polymerization of compounds containing the group $CH_2{=}CR{-}$ in which R is a member of the group consisting of hydrogen and alkyl radicals.

2,188,708
FOOD CABINET
Milton K. Davis, Dallas, Tex., assignor to Len Acton and Milton K. Davis, doing business as Point-O-Purchase Advertising Company
Application March 25, 1939, Serial No. 264,263
3 Claims. (Cl. 261—12)

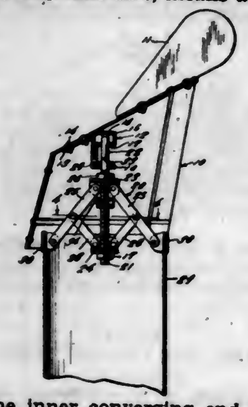


1. Apparatus for maintaining the moisture content of fresh baked bread, which includes a casing, an inclined deflecting baffle within the casing for guiding upwardly a sheet of air circulating within the casing, means for supporting fresh baked bread above the baffle and in the path of the circulating air, a heating element below the deflecting baffle for raising the temperature of the air and setting the air in motion along the baffle and within the casing, and a moisture-supplying baffle positioned for contact by the sheet of heated air flowing upwardly along the deflecting baffle, said moisture-supplying baffle being mounted for adjustment toward or from the deflecting baffle, thereby to produce variations in humidifying effect.

2,188,709
ADJUSTABLE CHIMNEY COWL
Daniel Friedman, Chicago, Ill.
Application March 3, 1939, Serial No. 259,686
3 Claims. (Cl. 98—68)

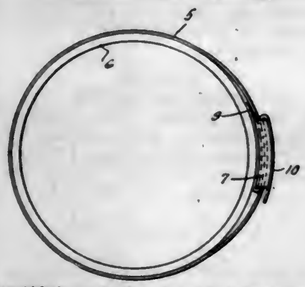
1. A mounting fixture for a chimney cowl com-

prising clips attachable to a chimney pipe, a pair of diverging arms hingedly connected with said clips, a spindle bolt, means adjustably con-



necting the inner converging end of said arms with said bolt, toggle links connected with said arms, and means for adjustably connecting the toggle links with said bolt.

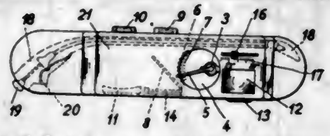
2,188,710
PIPE LINE IDENTIFICATION DEVICE
John A. Giovanini and Percy J. Wallace, Port Richmond, Staten Island, N. Y.
Application May 23, 1939, Serial No. 275,293
1 Claim. (Cl. 40—21)



An identifying device for pipe lines comprising a narrow elongated strip adapted to be disposed in an encircling position on a pipe, a retaining collar for said strip, said collar being longitudinally curved, said strip having the free ends thereof trained through the collar with one end of the strip bent back against the concave side of the collar and the opposite end of the strip bent back against the convex side of the collar, said collar being formed of a strip of material bent to form a collar of rectangular shape in cross section and with the ends of the strip overlapping each other at that side of the collar which is of concave shape.

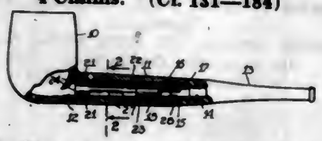
2,188,711
ROLL FILM CAMERA WITH EXPOSURE METER
Leo Goldhammer and Siegfried Gelius, Munich, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware
Application July 1, 1936, Serial No. 88,348
In Germany July 3, 1935
7 Claims. (Cl. 88—23)

1. In combination, a photoelectric exposure meter provided with a measuring instrument, a camera having a top wall and a rear wall, said measuring instrument being positioned in the upper portion of said camera, means in said top wall for directly observing and reading the measuring instrument from above, means within said



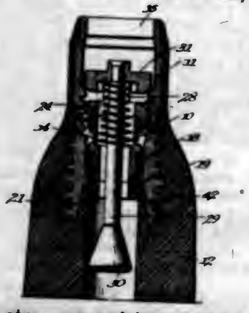
camera and fixedly mounted with respect to said top and rear walls for reflecting the indication of said measuring instrument toward the rear wall of said camera, and means in said rear wall to permit the observation of the reflected indication of said measuring instrument.

2,188,712
TOBACCO PIPE
Louis Goldvogel and George St. John, New York, N. Y., assignors to D. A. Schulte, Inc., New York, N. Y., a corporation of New York
Application April 11, 1939, Serial No. 267,229
4 Claims. (Cl. 131—184)



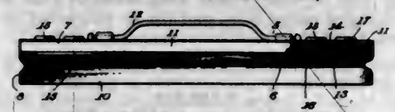
1. A smoking pipe, comprising a bowl and stem, and a mouth piece removably fitted in the stem, and a cleaning attachment removably carried by the mouth piece comprising an exteriorly grooved tubular fitting provided with a closed free end having orifices, each orifice communicating with a groove, and slots in the bottoms of the grooves to communicate with the bore of the fitting, said slots extending between points spaced from the ends of the grooves, and a brush-like member removably disposed in the slotted portion of the bore.

2,188,713
VALVE CORE, CONTAINER, AND STEM
Henry Z. Gora, Bridgeport, Conn., assignor to Jenkins Bros., Bridgeport, Conn., a corporation of New Jersey
Application June 21, 1937, Serial No. 149,536
11 Claims. (Cl. 277—42)



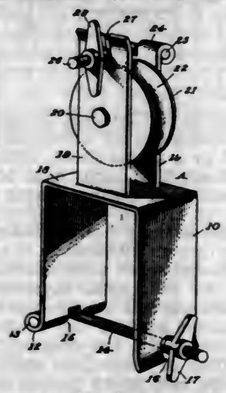
6. A valve stem comprising a rubber body having a through bore, a core container embedded in said body and lining one end of said bore, a valve core in said container, said core including a barrel which has a flexible rubber skirt portion projecting beyond the inner end of said container to lap the walls of the bore therebeyond, and a conical valve body adapted to seat in the free end of said skirt with a tendency to spread the latter into external sealing contact with said walls.

2,188,714
ANTITHEFT DEVICE
Helge Hokanson, Gary, Ind.
Application June 26, 1939, Serial No. 281,277
2 Claims. (Cl. 150—47)



1. A purse attachment comprising a cover, an easily compressible body carried by said cover and adapted to engage the wall of a purse, and a plate carried by said body and equipped with pins for projecting through said body and beyond said cover upon compression of said body.

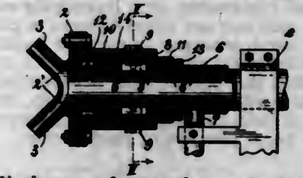
2,188,715
WIRE STRINGING BLOCK
Cleveland B. Ingram, Baker, Oreg.
Application August 5, 1938, Serial No. 223,368
2 Claims. (Cl. 175—376)



2. A wire screen block comprising a substantially U-shaped yoke formed from a strip-like piece of metal permanently closed at one end and open at the other for saddling a support, spaced parallel ears joined with the closed end of said yoke and outstanding therefrom, an axle separably mounted transversely of said ears, a pulley wheel journaled on said axle between the said ears, a T-shaped bolt forming a cross head pintle having hinge connection with one of said ears, the other of said ears being receptive of the said bolt when disposed crosswise of said ears, a wing nut on said bolt for retaining the same in its crossed relation to the ears for the holding of a cable engaged with the pulley, and means for closing the open end of the yoke and the fastening thereof to the support.

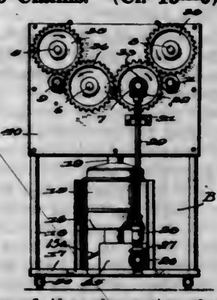
2,188,716
APPARATUS FOR PROJECTING GRANULAR MATERIAL
Julius Jacobovics, Luxemburg, Luxemburg
Application June 22, 1938, Serial No. 215,162
In Switzerland April 12, 1938
11 Claims. (Cl. 51—9)

1. A device for projecting granular material, comprising a feed tube, a hollow head rotatably mounted on the end of said feed tube, a bearing between said hollow head and said feed tube, at least one nozzle extending from said head at an angle to the latter's axis of rotation to cause



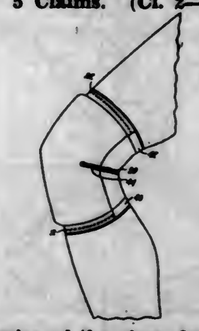
a rapid discharge of granular material by centrifugal force, and means for producing a continuous air-stream between said bearing and said nozzle towards the latter to prevent the granular material from entering the bearing.

2,188,717
MOP CLEANER
James A. Jones, Fayetteville, Ark.
Application January 19, 1938, Serial No. 185,747
5 Claims. (Cl. 15—6)



1. A cleaner of the character described, comprising a container having a mop chamber adapted to receive a mop or similar article to be cleaned, said chamber having a dust outlet, dust-removing means communicating with said outlet, resilient brushes rotatably mounted in said mop chamber at the bottom and sides thereof, and rigid beaters rockably mounted in said mop chamber between said bottom brushes.

2,188,718
PROTECTOR PAD AND SUPPORTER
George Henry Jung, Cincinnati, Ohio
Application March 21, 1938, Serial No. 197,164
5 Claims. (Cl. 2—24)



1. In a device of the class described the combination of an annular band having annular selvage edges and elastic mainly in the direction of its selvaged edges, a pocket forming elastic

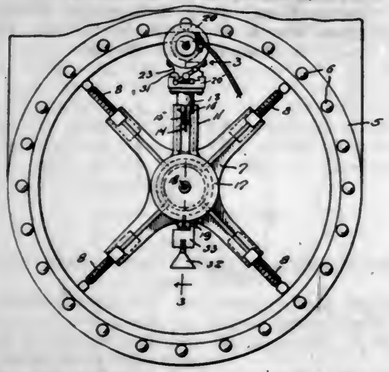
strip having a central or body portion, universally elastic and having two opposite selvage edges, said edges being elastic mainly in the direction of the length of the strip, the selvage edges of the strip being secured to the selvage edges of the band, and the elastic strip having its edges intermediate said selvage edges thereof secured to the annular band, whereby to provide a closed pocket between the band and the strip, and a cup-shaped pad within the pocket and substantially free of connection with said band and strip, the recessed portion of said cupped pad being disposed adjacent the band portion of said pocket.

2,188,719
BEEHIVE
Oral A. King, near Norfolk, Va.
Application April 22, 1939, Serial No. 269,537
5 Claims. (Cl. 6—4)



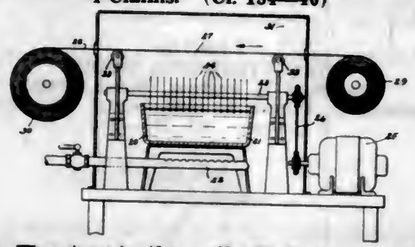
1. As an improvement in beehive appliances, a queen excluder comprising a rectangular frame to be interposed between chambers of a beehive, means supported by and within the confines of said frame for permitting worker bees to pass therethrough and for preventing the queen bee from passing therethrough, one member of the frame being provided with a slot extending from the exterior of the frame to the interior thereof on one side of said excluding means and serving normally as a bee passage, a member slidably and removably fitted in said slot to serve as a combined entrance closure and alighting board, said closure member being provided with means whereby, when said closure is slid outwardly from the slot for a distance, the said slot is opened to the ingress and egress of bees and projects beyond the exterior of the frame to form an alighting board and, when slid to its innermost position, closes said slot.

2,188,720
ABRADING MACHINE
Robert J. McQuade, Chicago, Ill.
Application November 25, 1938, Serial No. 242,387
2 Claims. (Cl. 51—241)



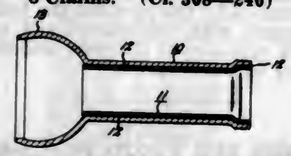
1. In a portable grinding machine, the combination of a supporting member having a central journal stud, means to fasten said supporting member to and within an annular piece of work, an extensible and collapsible telescopic arm journaled at its inner end upon said journal stud, a motor mounted on the outer end of said arm to rotate therewith about said journal stud, a rotatable abrasive element driven by said motor, said telescopic arm comprising a tubular inner section having a longitudinal slot at its outer end and provided with ears at opposite sides of said slot, and an outer section slidably telescoped into said inner section, and a clamping screw connecting said ears for contracting the slotted outer end of said inner arm section and maintaining the outer arm section in extended or collapsed position.

2,188,721
METHOD OF LAMINATING
John F. McWhorter and Harvey D. Geyer, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 19, 1935, Serial No. 32,174
4 Claims. (Cl. 154—40)



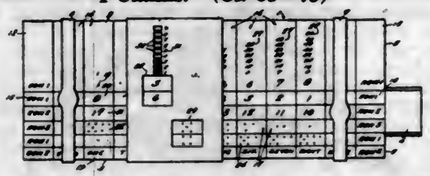
1. The steps in the method of making a laminated sheet consisting of a non-metallic fibrous lining bonded to a metal sheet, comprising: providing a relatively thin spray coat of a low-melting metal upon said fibrous lining by throwing fine particles of molten low-melting metal with high speed against said fibrous lining and thereby causing a keyed adherence thereto, further coating said metal sheet with a metal which will readily bond to the metal forming said spray coat, then pressing the spray-coated surface of the fibrous lining against the coated surface of said metal sheet while the coating on the metal sheet is in a fluid or semi-fluid state and thereby surface-bonding said spray coat to the metal coat upon said metal sheet.

2,188,722
BEARING HAVING A NONMETALLIC FABRIC LINING
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application March 27, 1935, Serial No. 13,366. Divided and this application January 8, 1938, Serial No. 184,052
8 Claims. (Cl. 308—240)



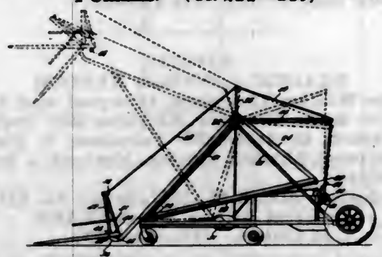
1. A vibration-absorbing cushion bearing comprising: a metal back and a nonmetallic fabric bearing lining the contacting surface of which is bonded to said metal back by a low-melting metal stratum which is keyed to said fabric lining by entering the interstices between the fibers thereof.

2,188,723
EDUCATIONAL DEVICE
Leroy R. Posey, Scotlandville, La.
Application July 26, 1938, Serial No. 221,404
4 Claims. (Cl. 35—75)



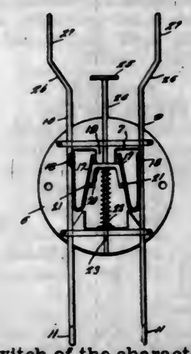
1. An educational device for teaching number facts comprising a rectangular panel having delineated therein lengthwise thereof a line of number symbols, a rule-like number-combining slide mortised in said panel for endwise sliding movement parallel with said line and having delineated thereon a line of number symbols similar to those of the first mentioned line, whereby under endwise movement of said slide to different positions symbols of said lines may be combined at will in column formation to present selected problems in addition, the symbols of each line being of successively higher value and the order of succession in one line being reverse to that in the other, whereby the symbols of the second mentioned line in the extreme left hand column indicate the answer to any selected problem, said panel and slide having depicted thereon a pair of parallel complemental lines of dots arranged in dice-like formation and presenting in said different positions of the slide, dot combinations in column form, of total values corresponding to those of the symbols of the different problems to thereby display different number facts of problems objectively.

2,188,724
COMBINATION BUCK STACKER AND LOADER
Peter Reinert, Cherokee, Iowa
Application February 14, 1939, Serial No. 256,342
4 Claims. (Cl. 214—140)



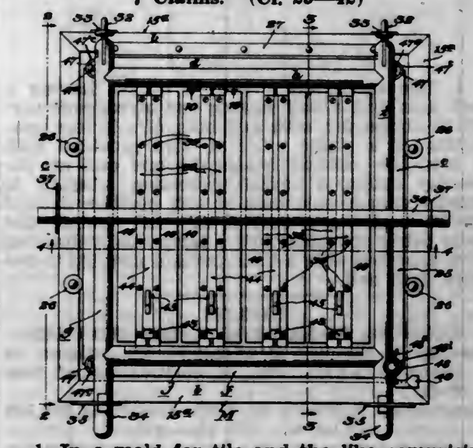
1. In a loader of the character described, a supporting structure, a rocker member mounted on said supporting structure, said rocker member including forwardly extending members having their front ends curving upwardly, a rake pivoted to said front ends and having parts extending rearwardly of the pivotal points and located over the curved parts of said forwardly extending members, springs between said rearwardly extending parts of the rake and the curved portions of the forwardly extending members, means for rocking said rocker member for raising and lowering said rake, and means for releasably retaining the rake in a load-retaining position relative to said rocker member, said means being quickly releasable to permit the rake to swing relative to the rocker for discharging the contents of the rake.

2,188,725
SWITCH
Joseph Riggs, Pound, Va., assignor of fifty per cent to Thurman M. Perry, Jenkins, Ky.
Application January 10, 1939, Serial No. 250,201
1 Claim. (Cl. 200—51)



A safety switch of the character described comprising a body having a pair of elongated substantially rigid conductor members extending therethrough, said body being provided with an internal pocket, a pair of substantially V-shaped spring contact fingers, each of these said spring contact fingers having one leg portion secured to a corresponding rigid conductor, the remaining leg portions of the fingers converging toward each other, a push rod, a spreader of insulation between the rigid conductors through which the push rod is slidable, said spreader provided with a boss thereon against opposite side portions of which the free ends of the spring fingers can engage and normally be separated, a tapered contactor carried by the push rod, a second spreader between the rigid conductors and a compression spring interposed between the second-mentioned spreader and the contactor for normally urging the rod and contactor to a position with the contactor normally bridging the free end portions of the spring contact members.

2,188,726
APPARATUS FOR MOLDING TILE
Albert E. Rose, deceased, late of Lakeland, Fla., by May E. Rose, administratrix, Lakeland, Fla.
Application November 18, 1938, Serial No. 241,260
7 Claims. (Cl. 25—42)



1. In a mold for tile and the like comprising

a base, the upper surface of which forms the obverse side of the article being molded, side members forming the sides of the mold, a top member for the mold removably supported over said side members; said top member comprising a frame, a plurality of spaced back plates carried by said top frame for forming the reverse side of the object and movable laterally, and means for shifting said plates and maintaining them in their shifted position.

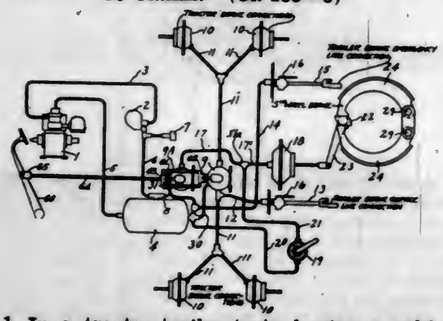
2,188,727

FIFTH WHEEL

Harold A. Soulis, Westfield, N. J.

Application June 19, 1937, Serial No. 149,132

16 Claims. (Cl. 188—3)



1. In a tractor-trailer train having a vehicle braking system, a fifth wheel having means synchronized to function with said braking system to apply resistance to a relative horizontal movement between the tractor and the semi-trailer, when a brake application is made on the tractor-trailer train.

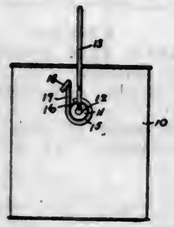
2,188,728

HOLDER FOR BUCKETS

Henry B. Spencer, Charleston, W. Va., assignor of one-half to Charles W. Chesley, Charleston, W. Va.

Application November 8, 1937, Serial No. 173,461

3 Claims. (Cl. 220—96)



1. The combination with a bucket having a bail boss and a bail having one of its ends pivotally connected with said boss, of a holder consisting of a single piece of wire provided with a ring-like portion having at one end an inwardly extended radial projection adapted to fixedly engage said boss at any position around the circumference thereof, the other end of said body being provided with a tangentially disposed arm provided with a hook portion adapted to engage said bail.

2,188,729

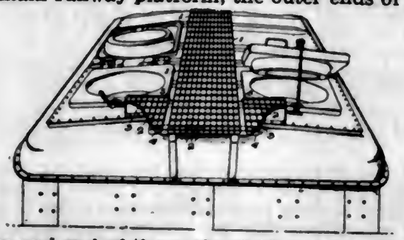
RUNNING BOARD FOR RAILROAD CARS

George A. Steuber, Penfield, N. Y., assignor to Despatch Shops, Inc., a corporation of New York

Application February 13, 1939, Serial No. 256,138

3 Claims. (Cl. 105—457)

1. In a safety running board construction for railway cars, the combination with a car body and its roof, of a main runway platform extending centrally and longitudinally of the roof from end to end of the car, and laterally extending platform wings at opposite sides of each end of the main runway platform, the outer ends of the



wings and end of the main platform at each end of the car extending outwardly to like degrees beyond the car end and the inner ends of the wings being of greater width than the said outer ends thereof and arranged to overlie the roof of the car.

2,188,730

EXPANSION ENVELOPE

Jay G. Swab, Freeport, N. Y., assignor to Tension Envelope Corporation, Brooklyn, N. Y., a corporation of New York

Application September 14, 1938, Serial No. 229,886

13 Claims. (Cl. 229—68)



1. An envelope of the character described including front and back portions connected by a bottom gusset, side flaps on the front and back portions, and flexible strips sealingly connecting the side flaps to form side gussets.

2,188,731

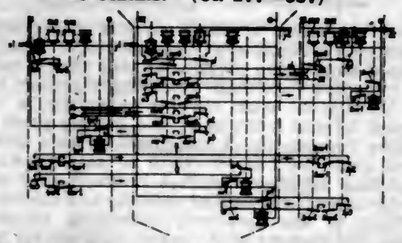
TRAFFIC CONTROL SYSTEM

George William Thompson, Liverpool, and Alfred Percy Bailey Renshaw, Kingston Hill, England, assignors to Automatic Telephone & Electric Company, Limited, London, England, a British company

Application March 24, 1937, Serial No. 132,666

In Great Britain March 30, 1936

15 Claims. (Cl. 177—337)



13. In a traffic control system for a plurality of intersections of cross roads with a common main road having at each intersection right of way signalling means for the main and cross roads, traffic actuated means in each road, and time-controlled mechanism for operating said signalling means to transfer accord of right of way alternately to the roads in response to actuation of the traffic actuated means in the respective roads and to prolong right of way in a road where it is being accorded upon further actuation of the traffic actuated means in such road, a maximum timer associated with said mechanism for limiting such prolongation of right of way on the main road at one intersection when operating, a time controlled switch means having switch means operated at the end of a time interval from energization, contact means operated by actuation of the traffic actuated means in the main road at another intersection by traffic approaching said one intersection, a second contact means operated by the said mechanism of said other intersection substantially upon transfer of right of way from the cross road to the main road thereat, means including the first and second contact means to energize said time controlled switch means, contact means operated by the said mechanism of said one intersection during accord of right of way to the main road thereat, contact means operated by the traffic actuated means in the cross road at the latter intersection and circuit means connecting the two last named contact means and said switch means to so operate said maximum timer responsive to said two last contact means and said switch means being operated.

2,188,732

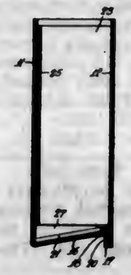
SHIPPING CARTON

Clarence W. Vogt, Norwalk, Conn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio

Application January 28, 1937, Serial No. 122,842

Renewed September 19, 1939

8 Claims. (Cl. 229—15)



1. A carton having a pair of similar opposed substantially vertical walls with their lower ends in substantially the same plane at right-angles to the planes of said walls, said carton having a bottom integral with one of said walls and extending obliquely from the lower end thereof to a point above the lower end of the opposed wall and secured to the latter.

4. A carton having an inclined bottom wall and a plurality of partitions, said partitions terminating above the lower edge of said bottom wall, whereby the portions between said partitions are in open communication with each other at their lower ends.

2,188,733

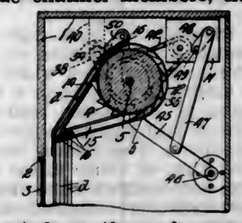
AUTOMATIC DISPLAY DEVICE

Hugo Barta, Astoria, N. Y.

Application September 29, 1939, Serial No. 297,056

5 Claims. (Cl. 40—36)

1. A display device of the character described comprising a supporting member, a feed roller journalled therein, guide channel members suitably supported at opposite ends of the roller for guiding carrier rods to move over the roller in a closed cycle from a forward display position, toothed delivery guide discs carried by the feed rollers and positioned to be engaged by the rod end portions, a plurality of carrier rods fitted to the guide channel members, flexible display



sheets mounted on the rods, conveying means operative periodically to engage the forward rod and to convey same rearwardly over the feed roller, co-acting sheet feed roller yieldingly engaging the feed roller for receiving between the rollers the display sheet, a motor and driving connections from the motor and operative to drive the feed roller and the conveying means.

2,188,734

SELECTIVE HERBICIDE

Thomas S. Carswell, Glendale, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 24, 1938, Serial No. 197,963

9 Claims. (Cl. 167—45)

1. A herbicide comprising a substance selected from the group consisting of pentachlorophenol, tetrachlorinated benzene hydrocarbons substituted in the aromatic nucleus by a hydroxyl group, and alkali-metal salts thereof.

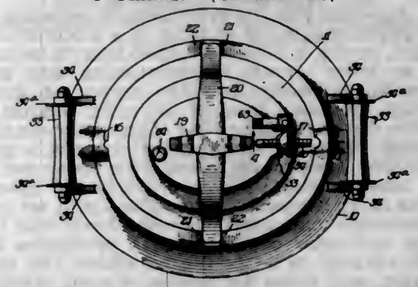
2,188,735

PRESSURE COOKER

Erik G. Grundstrom, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois

Application January 2, 1937, Serial No. 118,881

5 Claims. (Cl. 220—57)

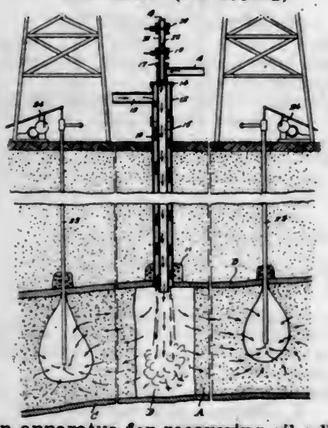


1. In combination, a vessel, a cover therefor, said cover having a longitudinal axis longer than the cross axis thereof, said cover having a rim adapted to exert pressure against the inner surface of said vessel, a gasket between said rim and said inner surface, said cover, said gasket and said vessel having cooperating radially extending protuberances and recesses located at spaced regions relative to the outline of said cover for preventing jamming of said cover within said vessel, the protuberances and recesses at one of said regions differing in outline from the protuberances and recesses at the other of said regions.

2,188,736
METHOD OF COMPOUNDING LATEX AND PRODUCT THEREOF
Hubert F. Jordan, Nutley, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 2, 1938, Serial No. 199,601
16 Claims. (Cl. 260—746)

1. The method of compounding an ammonia-preserved natural rubber latex which comprises adjusting the ammonia content to a value up to .25% by weight of the water content of the compounded latex, and adding to the latex compounding ingredients, and a base selected from the group consisting of alkali metal hydroxides and secondary and tertiary alkyl mono-amines in which each hydrocarbon group attached to the nitrogen atom contains from one to three carbon atoms, in an amount which brings the pH of the compounded latex to a value between 10 and 11.

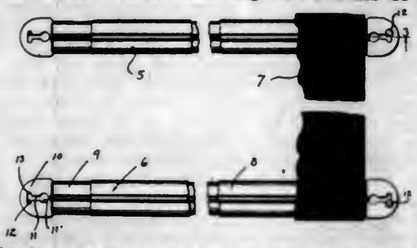
2,188,737
APPARATUS FOR RECOVERING OIL FROM SUBTERRANEAN OIL POCKETS
Hiram W. Hixon, Allentown, Pa.
Application April 26, 1939, Serial No. 270,084
2 Claims. (Cl. 166—1)



1. An apparatus for recovering oil adhering to and imprisoned in the oil sands of a subterranean pocket, having a chamber formed therein including an outer conduit communicating with and extending upwardly from the pocket, an inner conduit extending through the outer conduit, a closure cap at the upper end of the outer conduit through which the inner conduit extends, a pipe extending downwardly through the upper end of the inner conduit, a pair of vertically spaced valves in the exposed portion of said pipe, air and gas conduits communicating respectively with the inner and outer conduits and a percussion igniter adapted to be positioned within the pipe between said valves for release, descent through the air pipe and explosion thereof to ignite the combustible mixture produced by the gas and air jets issuing from the conduits into the pocket.

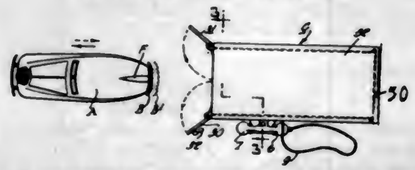
2,188,738
CURTAIN ROD
Benedict E. Moriarty, Kenosha, Wis.
Application June 25, 1938, Serial No. 215,726
1 Claim. (Cl. 156—19)

In an extensible curtain rod, a pair of telescoping sections, flat attaching feet carried by the outer ends of said sections having key-hole slots for detachably receiving headed fastening elements, the walls of said slots at the narrow ends thereof being provided with laterally extending notches disposed at an angle to the longitudinal center of said slots receiving the shanks of the



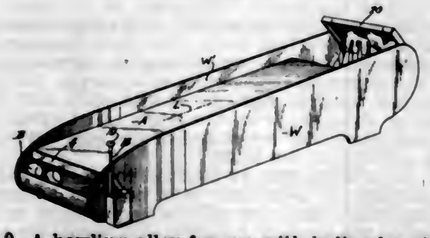
fastening elements when the rod is fastened in place and when transverse pull is exerted on the rod, whereby the fastening elements will be held out of the slots and in said notches.

2,188,739
GARAGE AND VEHICLE TOY
Heinrich Müller, Nuremberg, Germany
Application May 3, 1938, Serial No. 205,710
In Germany August 14, 1937
22 Claims. (Cl. 46—210)



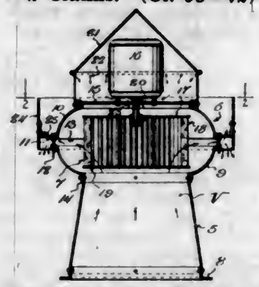
1. A toy garage comprising a simulated building, a door at the front of the building, push means movably mounted in said garage directly in the path of a vehicle entering the garage, a telephone simulation outside the garage arranged to move said push means toward the door, and linkage connecting said push means to said door in order to close the door behind a vehicle which has entered the garage, said means being rigid and remaining at all times between the vehicle and the back of the garage.

2,188,740
PORTABLE BOWLING ALLEY
John Rietschel, Chicago, Ill.
Application January 25, 1939, Serial No. 252,793
15 Claims. (Cl. 273—45)



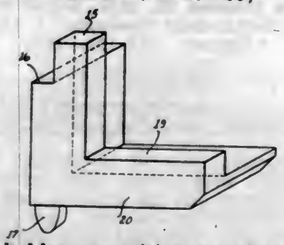
9. A bowling alley for use with balls of a given size, of the class in which a forwardly upwardly sloping ball-returning sub-floor extends below and forwardly beyond the forward end of the alley floor, characterized by having all portions of the alley floor freely spaced upwardly from the sub-floor by a distance greater than the diameter of balls of the said size, and having no obstructions within the space between the said two floors; the bowling alley including a pin-table supported by the sub-floor forwardly of the forward end of the alley floor; the pin-table being spaced by distances greater than the said ball diameter from the forward end of the alley floor, the forward end of the sub-floor, and the side edges of the sub-floor, so as to permit balls to roll along all sides of the pin-table.

2,188,741
POWER-OPERATED VENTILATOR
Thomas L. Roberts, Wausau, Wis., assignor to Air-Van Company, Wausau, Wis.
Application January 28, 1938, Serial No. 187,373
2 Claims. (Cl. 98—72)



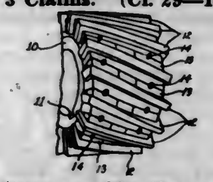
1. In an air circulating device, a fan casing having an annular discharge outlet and an axially disposed inlet, a multibladed power-driven fan disposed in said casing having its axial center coinciding with the axial center of the air inlet, the annular outlet being disposed midway between the ends of the blades, and an annular band disposed around and in spaced relation to said outlet, said band entirely surrounding the outlet, but extending a greater distance above the outlet than below said outlet.

2,188,742
TOOL HOLDER
Ole Severson, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc., a corporation of Connecticut
Application March 2, 1939, Serial No. 259,368
1 Claim. (Cl. 29—99)



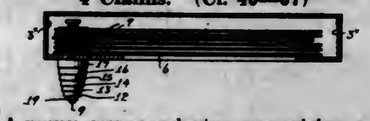
A tool holder comprising an elongated rectangular shank adapted to be received within a tool post and having an integrally formed head extending from the front face of the shank and being offset forwardly and to one side with respect to said shank so as to extend beyond the front face and one side wall of said shank, providing said head with a rear wall parallel to and oppositely facing the plane of said front face thus to form a surface adapted to abut the front face of a tool post within which said shank is secured, and having a similar supplemental shank integrally formed with said first mentioned shank and extending right angularly therefrom, and a similar offset head carried by said supplemental shank providing parallel to and oppositely facing the plane of a tool post surface right angularly related to the front surface and forming a surface adapted to abut said right angularly related surface.

2,188,743
MILLING CUTTER
Ole Severson, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc., a corporation of Connecticut
Application April 7, 1939, Serial No. 266,573
3 Claims. (Cl. 29—105)



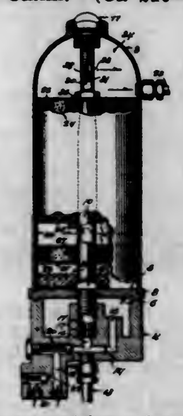
1. In a cutter assembly, the combination with a cutter body having a helically formed blade receiving aperture one wall of which is serrated, of a longitudinally slidable helically formed cutter receivable therein and having serrations on one face thereof adapted to engage the serrations of said wall.

2,188,744
MENU COURSE SELECTOR
Simon W. H. Turner, New York, N. Y.
Application October 10, 1939, Serial No. 298,772
4 Claims. (Cl. 40—67)



1. A menu course selector comprising a facing plate formed with a plurality of display openings, a set of display plates arranged face to face adjacent each display opening, means rotatable about a common axis and comprising a plurality of elements each adapted to impart movement to one of the display plates into and out of register with an appropriate display opening, and frictional means for holding each plate in position after an actuation thereof.

2,188,745
OIL FILTER
Paul H. Wagner, Milwaukee, Wis.
Application April 20, 1938, Serial No. 203,101
1 Claim. (Cl. 210—140)



An oil filter comprising a housing having inlet and outlet ports in its lower and upper ends respectively, a tube centrally positioned within said housing and connected with said inlet port, said

tube having a restricted communication with said outlet port, a check valve for controlling said restricted communication and a main filter body disposed within said housing and entirely surrounding and filling the space between said tube and housing intermediate the upper and lower ends of the housing, a filtering partition of less mass than the main filter body disposed between the main filtering body and the bottom of the housing to provide a settling chamber, said partition comprising perforated plates with filtering material disposed therebetween, said tube having discharge openings of greater area than the restricted communication between said tube and outlet port and communicating with the compartment formed between the main filter body and the filter partition, and spacers loosely positioned in said housing and disposed between the main filter body, the filtering partition, and the bottom of the housing.

2,188,746

METHOD OF PRODUCING COMPLEX METAL AMINE SALTS

Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey

No Drawing. Original application February 18, 1936, Serial No. 64,501. Divided and this application December 19, 1936, Serial No. 116,815

7 Claims. (Cl. 260—438)

1. A method of producing complex metal amine salts which comprises dissolving in an excess of ammonium hydroxide a soluble salt of a strong mineral acid and a metal capable of forming a Werner complex, and introducing a hydrocarbon halide into the solution.

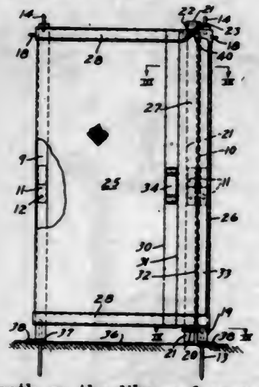
2,188,747

PORTABLE BOOTH

James E. Bittick, Fort Myers, Fla., assignor of forty-five one-hundredths to Edward S. Davies, Tampa, Fla., and ten one-hundredths to James A. Franklin, Fort Myers, Fla.

Application February 23, 1939, Serial No. 257,942

8 Claims. (Cl. 135—5)



1. In a booth or the like, a frame comprising corner posts and top diagonal brace elements having end pins, there being holes through the upper end of said posts through and beyond which said pins project, and a fabric element which engages, and is held in position on the frame by, the overhung outer end of said pins.

4. In a booth or the like, a frame comprising corner posts with bottom anchors and top brace means and retainer elements, a side closure demountably hung on said frame, and a convertible ground cloth and top cover having means to receive said ground anchors or top retainers according to its selected position.

2,188,748

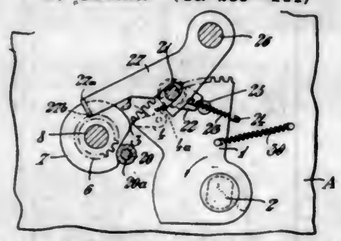
CALCULATING MACHINE

Bengt Carlström, Atvidaberg, Sweden, assignor to Aktiebolaget Facit, Atvidaberg, Sweden, a joint-stock company of Sweden

Application July 6, 1937, Serial No. 152,173

In Germany July 6, 1936

10 Claims. (Cl. 235—144)



1. In a calculating machine, in combination, a rotatable shaft, a totalizer wheel mounted for rotation on said shaft, means on said shaft for clearing said wheel, an overthrow-preventing detent, a spring pressing said detent against said wheel, releasing means for said spring, a clearing member, a releasable coupling between said clearing member and said shaft for rotating the latter for clearing operations, and an additional coupling between said clearing member and said releasing means to actuate the latter, before said first-mentioned coupling becomes effective.

2,188,749
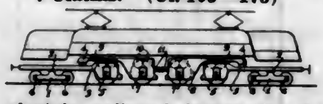
LOCOMOTIVE

Walter Adolph Giger, Zurich, Switzerland, assignor to Maschinenfabrik Oerlikon, Oerlikon, Switzerland, a corporation of Switzerland

Application October 31, 1938, Serial No. 237,808

In Switzerland November 1, 1937

7 Claims. (Cl. 105—175)



7. An electric railroad locomotive having a body provided with a first bogie frame, a pivot for said frame joining the frame to said body and said pivot supporting said body, said frame having a single axle, a second bogie frame pivoted to said frame, said second frame having a single axle, and a two-axled bogie frame pivoted to said second frame.

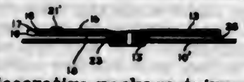
2,188,750

METHOD AND DEVICE FOR WRAPPING PACKAGES

Owen E. Hacker, Dayton, Ohio, assignor to The Stanley Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application July 8, 1938, Serial No. 218,202

5 Claims. (Cl. 24—18)



5. In a decorative package-tying device of the character described, a thin, substantially flat tie-securing member which comprises a composite

bottom member and a composite cap member adapted to overlie and register with said bottom member, each of said members comprising a thin, pliable sheet of ornamental sheet metal adapted to be readily worked and having a backing of paper material secured to one side thereof, said metal sheet and said paper backing being of comparable thinness and said paper material providing for reinforcing and stiffening the metal sheet, said bottom member being provided with a downwardly depressed substantially central portion surrounded by a substantially flat marginal portion of relatively large area, said cap member being substantially flat over a substantial portion of its area including the marginal portion thereof, a coating of adhesive on the exposed face of the paper backing of at least one of said members, said coating of adhesive providing for securing the paper backing of said members in mutually reinforced face to face relation to provide a unitary relatively stiff tie-securing member having upper and lower metallic surfaces, a substantially flat base member positioned below said tie-securing member, means extending outwardly through said depressed portion of said bottom member for attaching said bottom member to said base member with said depressed portion resting on the base member, said attaching means being provided with a head portion adapted to be received between said bottom member and said cap member with said head portion lying within said downwardly depressed portion and concealed by said cap member, and said depressed portion providing a predetermined spacing between the substantially flat marginal portion of said bottom member and said substantially flat base member for resiliently receiving and frictionally retaining a tie means therein.

2,188,751

TOBACCO PIPE

William Wallace Hesson, Toronto, Ontario, Canada

Application December 5, 1938, Serial No. 244,015

2 Claims. (Cl. 131—184)



1. In a tobacco pipe, a tube arranged in adjustable relation with the mouthpiece thereof, said tube extending in longitudinal relation through the bore of the stem of said pipe, a plug formed with a square bore fitted and secured in the bore of the said stem, said tube passing through the said plug, a portion of the said tube being squared to register with the said bore in said plug, to prevent the tube from turning when the mouthpiece is being adjusted thereon, said tube being adapted to be actuated by the said mouthpiece in longitudinal relation to be inserted and withdrawn from the bowl of the pipe.

2,188,752

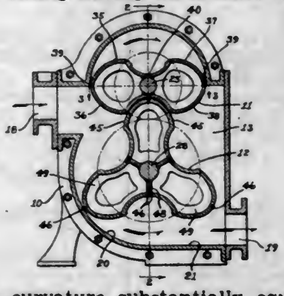
FLUID HANDLING APPARATUS

Carl R. Houghton, Connersville, Ind., assignor to Roots-Connersville Blower Corporation, Connersville, Ind., a corporation of Indiana

Application January 12, 1938, Serial No. 184,508

6 Claims. (Cl. 121—70)

1. Fluid handling apparatus of the character described comprising a casing having inlet and outlet openings and providing an impeller chamber, said inlet opening extending substantially horizontally adjacent the top of the casing and said outlet opening extending substantially horizontally adjacent the bottom of the casing, a two-lobed impeller and an impeller having more than two lobes rotatably mounted and intermeshing in said chamber, intermeshing gears interconnecting said impellers for timed operation, said casing having an arcuate wall with a



radius of curvature substantially equal to the maximum radius of the impeller which has more than two lobes and having a bottom portion at the bottom of the impeller chamber extending substantially horizontally and substantially tangentially to said arcuate wall from a point below the axis of rotation of said last-named impeller to said outlet opening.

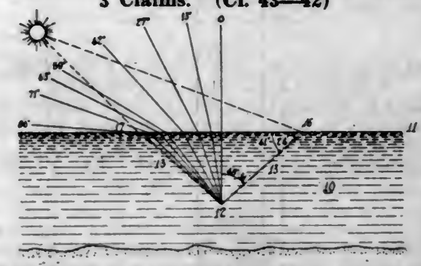
2,188,753

FISH LURE AND METHOD OF DETERMINING THE PROPER COLORING THEREOF

Preston J. Jennings, Brooklyn, N. Y.

Application July 8, 1939, Serial No. 283,365

3 Claims. (Cl. 43—42)



1. A fish lure having the predominant colors of the spectrum arranged thereon in the same manner as said colors appear on a natural object when viewed through a prism.

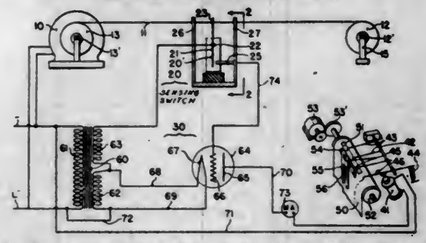
2,188,754

MEANS FOR INDICATING DEFECTS IN THREADS

Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 29, 1936, Serial No. 118,095

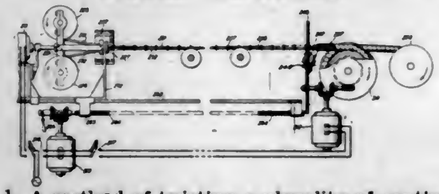
12 Claims. (Cl. 73—51)



1. In apparatus for detecting defective fila-

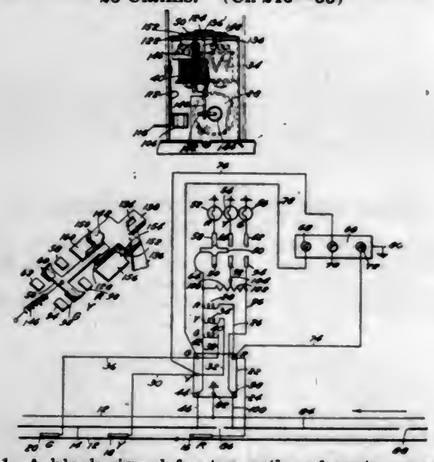
ments in a thread, detecting means disposed in cooperative relation with said thread, a device responsive to contact of defective filaments with said detecting means, and means for relatively moving said thread and said detecting means for causing said defective filaments to contact said detecting means.

2,188,755
METHOD OF PRODUCING MULTICONDUCTOR SIGNALING CABLES
Oscar S. Markuson, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1937, Serial No. 135,353
9 Claims. (Cl. 173—244)



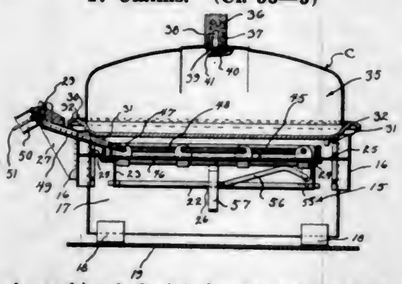
1. A method of twisting a plurality of continuous conductors into a strand with a highly uniform pitch angle which comprises removing equal lengths of a plurality of conductors from their individual supply spools, stretching successive portions of said conductors between two points separated by at least five twist lengths to equalize the pitch angle of the twists, twisting the conductors together between said points by revolving them at one of said points and fixing the pitch angle by applying a binder to the strand at the other of said points.

2,188,756
BLOCK SIGNAL AND TRAIN CONTROL SYSTEM FOR TOY RAILROADS
Edward E. McKeige and Noel L. Case, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application July 6, 1938, Serial No. 217,694
23 Claims. (Cl. 246—85)



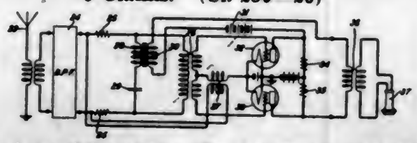
1. A block signal for toy railroad systems, said signal comprising a selector movable to any of three positions, a signal controlled by said selector to indicate "stop", "caution", or "clear", the selector position corresponding to said signal indications, and means determining the position of said selector, said selector being biased normally to the "clear" producing position, a first magnet for pulling said selector to the "stop" producing position, a detent for holding said selector at the "stop" producing position, a second detent for holding said selector at the "caution" producing position, a second magnet for releasing the first detent, and a third magnet for releasing the second detent.

2,188,757
COMBINED BROILER AND GRIDDLE
Herbert J. Moon, Milwaukee, Wis., assignor to National Enameling and Stamping Company, Milwaukee, Wis.
Application August 15, 1938, Serial No. 224,979
17 Claims. (Cl. 53—5)



1. A combined electric broiler and griddle comprising, a base, a serving platter detachably associated with the base, and an electric heating device removably associated with the base and adapted to be selectively positioned either above or below the platter.

2,188,758
TRANSMISSION AND RECEPTION OF FREQUENCY MODULATED WAVES
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1938, Serial No. 226,444
9 Claims. (Cl. 250—20)

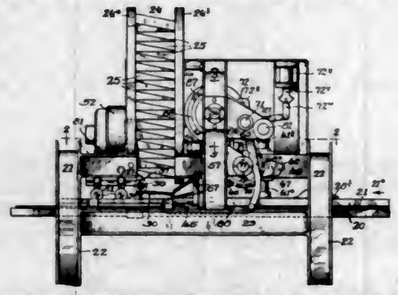


1. A receiving system for frequency modulated carrier waves comprising a tuned circuit, means for impressing received frequency modulated waves upon the tuned circuit, means connected to the tuned circuit for producing a low frequency current corresponding in its amplitude to the carrier frequency potential set up across the tuned circuit by the received waves impressed thereupon, and means controlled by the low frequency current to shift the tuning of the tuned circuit in such direction as to tend to reduce the carrier frequency potential thereacross.

2,188,759
BOX COVERING MACHINE
William Russell Redd, Western Springs, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware
Application September 23, 1938, Serial No. 231,353
8 Claims. (Cl. 93—55)

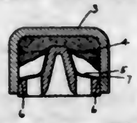
1. In a box covering machine, in combination with a conveyor for boxes, means for delivering

lids in succession in a rearwardly and upwardly inclined position above and proximate to said conveyor, intermittently operating, forwardly moving means for advancing a box on said conveyor, a ramp bar associated with said box advancing means in line with a near side of the lids delivered to said conveyor, means associated with said conveyor for guiding the boxes into position over against said ramp bar, a pusher bar for laterally displacing said boxes on said conveyor to bring them into engagement with said ramp



bar and with said box advancing means, a trigger projecting into the path of boxes carried on the main conveyor, a continuously rotating shaft, a drum mounted on said shaft, a clutch intermediate said drum and said shaft, operating mechanisms severally connecting in predetermined timed relation said drum with said pusher bar, said box advancing means and said lid delivering means, and devices operatively connecting said clutch and said trigger adapted to actuate said clutch when said trigger is engaged by a box on said conveyor.

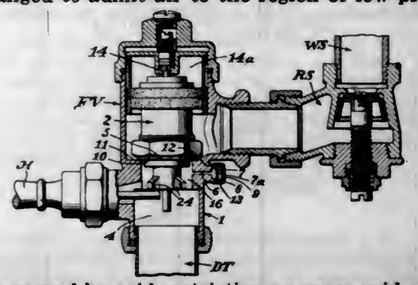
2,188,760
PRIMER
Creighton Elliott Richardson, Brownsburg, Quebec, Canada, assignor to Canadian Industries Limited, a corporation of Canada
Application September 3, 1937, Serial No. 162,234
In Canada September 5, 1936
6 Claims. (Cl. 102—43)



1. A primer for ammunition comprising a primer cup, a priming composition in said cup, an anvil having an unbroken peripheral contact with said cup, an apex on said anvil projecting toward said priming composition, flash passages in said anvil between said apex and said unbroken periphery; and an impermeable membrane in continuous circumferential contact with the surface of said anvil apex, covering said flash passages and held in sealing engagement with said anvil at the periphery thereof.

2,188,761
DEVICE FOR CONTROLLING THE FLOW OF LIQUIDS
Walker F. Peterson and Albert U. Walter, Baltimore, Md., assignors to Quiet Flow Devices, Inc., Baltimore, Md., a corporation of Maryland
Application July 15, 1937, Serial No. 153,826
4 Claims. (Cl. 137—111)

1. In a device for retarding the flow of liquids under pressure, the combination of a valve body having a valve seat therein, a valve cooperating with said seat for controlling the flow of liquid through said valve body, and means for reducing the noise incident to the retardation of the flow when the valve and seat form a restricting passage, said means including a metering orifice arranged to admit air to the region of low pressure



sure caused by said restricting passage, said metering orifice being dimensioned so as to admit a sufficient quantity of air to reduce the noise incident to the retardation of the flow and an insufficient quantity of air to create objectionable noises caused by the admitted air.

2,188,762
POCKETKNIFE
George Schrade, Bridgeport, Conn.
Application August 15, 1938, Serial No. 224,982
4 Claims. (Cl. 30—160)



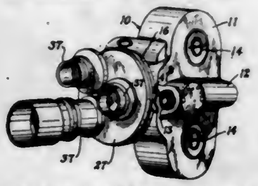
1. A pocketknife of the class described, comprising lining and handle members, a blade hingedly mounted therein, a locking lever pivotally mounted in the lining to engage and lock the blade and carrying a push button, a sheet metal spring member having one end portion secured to the lining and the other disposed beneath the push button, a slide mounted on the spring having a thumb piece secured thereon and having one end adapted to engage the underside of the movable end of the spring the said lining having an inclined runway formed thereon in the path of movement of the slide for the frictional engagement of the latter, the said spring member also having a stop formed thereon in the path of movement of the slide.

2,188,763
VEHICLE ROCKING DEVICE
Willis A. Swan, Bridgeport, Conn., assignor to Arthur A. Johnson, Bridgeport, Conn.
Application September 4, 1937, Serial No. 162,463
12 Claims. (Cl. 73—51)



2. In a vehicle rocking device, a frame adapted to be disposed beneath a vehicle; a pair of elements transversely-extending of the vehicle pivoted to the frame so that each supports one side of the vehicle; a cam associated with each of the transversely-extending elements and mounted on the frame to slide horizontally thereof; and means for sliding the cams in such a manner as to rock the elements about their pivots so that one pivoted element moves upwardly as the other moves downwardly and vice versa.

2,188,764
CAMERA
Thomas J. Walsh, West Hempstead, N. Y., assignor to Thomas J. Walsh and Giovanni B. Antofilli, a copartnership doing business as National Cine Laboratories, New York, N. Y.
Application April 8, 1938, Serial No. 200,814
5 Claims. (Cl. 95—44)

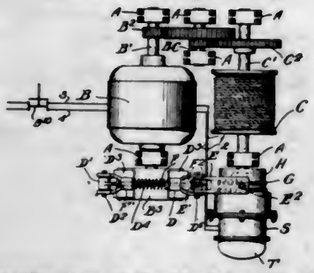


1. In a camera, a housing having a front wall in the form of a disk apertured for photographing therethrough, a multi-lens turret revoluble on said disk for selective registration of the turret lenses with said aperture, and having a flange embracing said disk, detent devices in the periphery of said disk for engagement with indents in said flange to determine settings of the turret for registration of the turret lenses and photographing aperture, and a filter slideway in the disk rearward of the rear edge of said turret flange.

2,188,765
METHOD OF HEAT TREATING BRASS SHIMS AND SHIM STOCK
Earle L. Young, Awosting, N. J., assignor to Laminated Shim Co., Inc., Long Island City, N. Y., a corporation of New York
No Drawing. Application May 31, 1938, Serial No. 210,939
2 Claims. (Cl. 148—4)

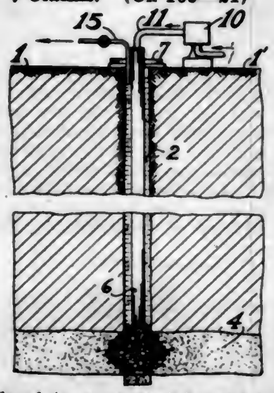
1. The method of restoring the compression strength of thin brass material of the approximate thickness of .002 to .003 of an inch used in the manufacture of solder bonded laminated shims, which comprises heating the thin material after the solder coating operation in which the thin material is dipped in a solder bath maintained at a temperature of 600 to 650° F. to a temperature of approximately 1200° F. for long enough to permit the material to reach substantially the same temperature throughout and then pressing the thin sheets together and cooling in atmosphere to room temperature.

2,188,766
BRAKE MECHANISM
Sydney Buckley, Philadelphia, Pa., assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y., a corporation of New York
Application October 19, 1938, Serial No. 235,714
7 Claims. (Cl. 188—137)



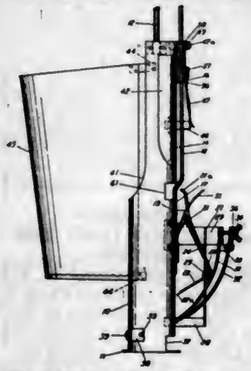
1. A mechanism of the kind described comprising a driving motor and two laterally displaced shafts connected for simultaneous rotative movements, and braking means comprising a braking surface supported by and rotating with one of said shafts, and means for applying a braking force thereto including a lever pivoted to turn about an axis parallel to said shafts, means actuated by one end of said lever to frictionally engage said surface when said lever is turned about said axis, an actuating member coaxial with the second of said shafts and operatively connected to the second end of said lever, and means actuated by the deenergization and energization of said motor to connect said second shaft and member for simultaneous rotative movements when said motor is deenergized and to disconnect said second shaft and member when said motor is energized.

2,188,767
CEMENT AND CEMENTING OPERATION
George E. Cannon and James L. Foster, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 25, 1936, Serial No. 92,502
7 Claims. (Cl. 166—21)



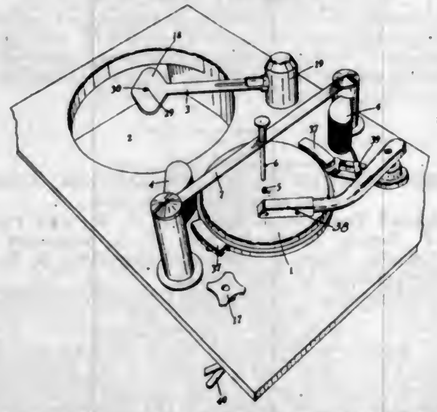
5. A Portland type cement to which has been added a solution of caustic alkali and a material of the class consisting of humic, gallic, tannic, quercitannic and lignic acids.

2,188,768
HARVESTING DEVICE
Harry Demory, Cedar Rapids, Iowa
Application June 20, 1938, Serial No. 214,747
16 Claims. (Cl. 56—327)



1. In a vegetable harvesting means, a body member in the form of a barrel, said barrel having a slot lengthwise along one side, a flanged slide member adapted for reciprocating motion in this slot, an extended handle attached to the barrel, an extended operating handle attached to the slide member, a lever arm pivotally attached to the slide member, a cutter blade attached to the lever arm at its lower end, a pair of guide rails supported parallel to the slot in the barrel and in spaced relation from the barrel, a supporting member extending outwardly from the lower end of the lever arm at a point near the heel of the cutter blade, said member to ride upon the guide rails, the rails to terminate at a point a spaced distance from the lower end of the barrel, the lower end of the barrel beyond the end of the rails to have a transversely extending slot, and a spring means to force the cutter supporting rod with force against the guide rails with increasing force as the cutter blade is moved toward the lower ends of the rails, the cutter blade to snap suddenly inwardly through the opening in the lower end of the barrel as the cutter supporting rod slips off the ends of the guide rails.

2,188,769
AUTOMATIC CHANGING MECHANISM FOR DISK RECORDS
Arthur Robert Downs, Brighton, England, assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, England, a British company
Application October 1, 1937, Serial No. 166,893
In Great Britain October 3, 1936
11 Claims. (Cl. 274—10)



1. In a gramophone having a turntable adapted to carry a disk record, in combination, an arm mounted adjacent the turntable for swinging movement in a horizontal plane thereabove, and a turning movement about an axis extending in its own plane, and a record engaging member on the arm means operatively connected with the arm and record engaging member, and respectively actuable after a record on the turntable has been played on one side, to swing the arm towards and to a position above the turntable, to actuate the record engaging member on the arm for engagement with the played record, to swing the arm carrying the engaged record away from the turntable, to turn the arm about its axis to reverse the engaged record, to swing the arm carrying the reversed record to return the same to a position above the turntable, and to release the record engaging member on the arm from engagement with the reversed record for deposit onto the turntable for further playing.

2,188,770
TREATMENT OF OIL
Harold Jay Robertson, Tulsa, Okla., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 20, 1937, Serial No. 175,608
10 Claims. (Cl. 260—504)

1. The process of producing mineral oil sulfonic acids which comprises subjecting a mineral oil to sulfonation, adding to the reaction product, with agitation, an aqueous alkaline solution in an amount insufficient to neutralize the sulfuric acid in the reaction product and separating the sulfonic acids by stratification.

2,188,771
ELECTRODE
William H. Welch, Chicago, Ill., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application January 26, 1934, Serial No. 708,407. Divided and this application October 7, 1936, Serial No. 104,421
5 Claims. (Cl. 148—32)



1. An electrode consisting mainly of nickel having a grain count of at least 200 in an area of 100 circular mils.

2,188,772
METHOD OF DISTILLING MIXTURES CONTAINING VINYL AROMATIC HYDROCARBONS
Robert R. Dreisbach and James E. Pierce, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 28, 1938, Serial No. 237,580
6 Claims. (Cl. 202—57)

1. The method which comprises dissolving sulfur in a hydrocarbon mixture substantially free of non-hydrocarbon materials and consisting of a substantial proportion of a vinyl aromatic hydrocarbon together with at least one other aromatic hydrocarbon to form a solution containing between about 0.01 and about 5.0 per cent of sulfur and thereafter fractionally distilling the solution to recover the vinyl aromatic hydrocarbon as distillate in readily polymerizable form.

2,188,773
BOOKBINDING
James A. Eden, Springfield, Mass., assignor to White & Wyckoff Mfg. Co., Holyoke, Mass., a corporation of Massachusetts
Application August 31, 1938, Serial No. 227,809
1 Claim. (Cl. 281—25)

As a new article of manufacture, a binding for a plurality of leaves having a pair of spaced holes therethrough comprising in combination, a U-

shaped ring-forming member having arm portions and a transverse connecting portion, and a strip member provided with a pair of spaced holes extending therethrough, said arm portions of the ring-forming member extending downwardly



through said holes in the strip member and the latter being folded upwardly along a line running through said holes whereby said transverse portion is embraced by opposite sides of the strip member.

2,188,774

LEATHER DYED WITH MONOAZO DYESTUFFS

Ernst Fellmer, Leverkusen-I. G.-Werk, Gustav Mauthe, Cologne-Holweide, and Hermann Noerr, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 7, 1936, Serial No. 109,678. In Germany November 9, 1935

3 Claims. (Cl. 8—13)

2. Leather dyed with an easily soluble monoazo dyestuff derived from a compound of the group consisting of α- and β-naphthylamines, the nitro- and acylamino-substitution products thereof and the sulfonic acids of these compounds as diazotization components, and a compound of the group consisting of 1.3 diamino benzene, its alkyl, nitro, halogen and —SO_3H substitution products and its N-hydroxy-alkyl, N-sulfo-alkyl, N-carboxy-alkyl and N-acyl derivatives as coupling components.

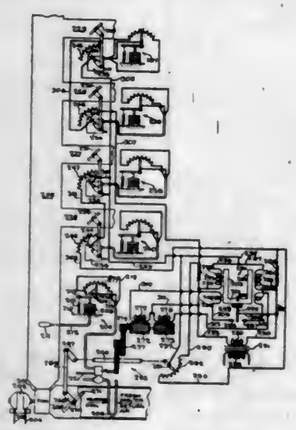
2,188,775

ZONE TEMPERATURE CONTROL SYSTEM

James S. Locke, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 2, 1936, Serial No. 57,168

24 Claims. (Cl. 236—1)



13. In a system for distributing air to a plurality of spaces, in combination, means to deliver air to all of said spaces, means in control of the volume of air delivered to each space, a current controlling means associated with each space, a device in control of the air volume control means and current controlling means for each space, and means in control of the total volume of air supplied to all of the spaces controlled by the combined action of all of said current controlling means for varying the total volume of air supplied to all of the spaces in accordance with the sum of the volumes called for by the individual volume control means.

2,188,776

DYESTUFFS OF THE ANTHRAQUINONE SERIES

Ralph N. Lulek, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 14, 1938, Serial No. 201,935

2 Claims. (Cl. 260—316)

1. The new anthrimide-carbazole type vat dyestuff which dissolves in concentrated sulfuric acid with a red color and dyes cotton from a dark red vat in bluish dark brown shades of excellent fastness properties, said dyestuff being substantially identical in color with the dyestuff obtained by the aluminum chloride ring-closure of the 4',4''-dibenzoylamino-1,1': 5,1''-trianthrimide in nitrobenzene, at a temperature of 90° C., with 3¼ parts of aluminum chloride per part of trianthrimide, said dyestuff being obtained by the aluminum chloride ring-closure of 4',4''-dibenzoylamino-1,1': 5,1''-trianthrimide in nitrobenzene, the amount of aluminum chloride being within the range of from 2¼ to 4½ parts per part of trianthrimide and the reaction being carried out at temperatures within the range of from 65 to 100° C.

2,188,777

PREPARATION OF 2-KETO ALDONIC ACIDS FROM ALDONIC ACIDS

Richard Pasternack, Brooklyn, N. Y., and Peter P. Regna, North Bergen, N. J., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application December 24, 1938, Serial No. 247,644

7 Claims. (Cl. 260—535)

1. Process for the preparation of 2-keto-aldonic acids by the action of a member of the group consisting of alkali metal and alkaline earth metal chlorates upon a member of the group consisting of aldonic acids and soluble aldonates in the presence of a vanadium catalyst and in a mildly acid medium.

2,188,778

PRODUCTION OF POLYMERIZATION PRODUCTS OF VINYL ETHERS

Walter Reppe, Ludwigshafen-on-the-Rhine, and Erich Kuehn, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application July 19, 1935, Serial No. 32,276. Divided and this application February 25, 1937, Serial No. 127,768. In Germany July 26, 1934

2 Claims. (Cl. 260—90)

1. The process of producing polyvinyl ethers which comprises treating a vinyl ether containing a basic group in the molecule with sulphur dioxide.

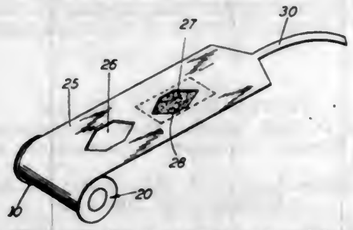
2,188,779

SELF-SEALING FILM ROLL FOR CAMERAS

Bruno C. Roehrl, Binghamton, N. Y., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of Delaware

Application January 5, 1938, Serial No. 183,502

5 Claims. (Cl. 95—9)



1. A film roll for a camera comprising means forming a part thereof for sealing the same after use and prior to removal of the film from the camera, said film having an opening in the trailing end thereof, said sealing means comprising a strip of adhesive positioned on the inner side of said film with its adhesive surface overlying said opening, said opening protecting the adhesive from contact with the next convolution of the roll, and said adhesive surface being engageable through the opening by the end of said film roll for sealing the same when said roll is wound for removal from the camera.

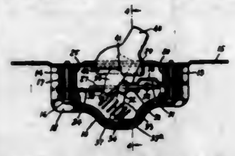
2,188,780

SNAP SWITCH

Robert F. Sambleson, Bridgeport, and George R. Brown, Stratford, Conn., assignors to General Electric Company, a corporation of New York

Application October 30, 1937, Serial No. 171,947

6 Claims. (Cl. 200—76)



1. A snap switch comprising a housing, a supporting strap for said housing, an operating handle mounted on said strap and depending into said housing, opposed contact blades mounted in said housing, a carrier member pivotally supported on the bottom of said housing below said contact blades, a spring interconnecting said carrier and said handle, and a slider element having an insulating portion and a contact portion disposed between said blades above said carrier member and being operatively connected to said carrier member whereby said slider element is moved by operation of said handle.

2,188,781

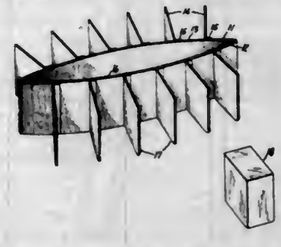
FREEZING TRAY

Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 1, 1935, Serial No. 8,874

5 Claims. (Cl. 62—108.5)

1. A freezing tray provided with a removable partition assembly comprising a stiff resilient longitudinal partition element having a cambered shape when unstressed, and a series of transverse partition elements rigidly secured to said longitudinal partition element at spaced intervals along the longitudinal axis thereof and extending laterally therefrom, said resilient longitudinal partition element being deformable upon the application of lateral pressure thereto to a position in which the peripheral portions of said partition assembly conform to the inner surfaces of said



freezing tray for reception therein, said resilient longitudinal partition element being returned to its cambered shape by its inherent resiliency after removal of said partition assembly from said freezing tray to facilitate the release of ice blocks or the like from said partition assembly.

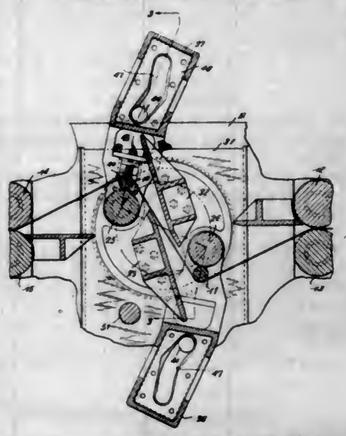
2,188,782

PROCESSING MACHINE

Lloyd R. Thomas, Youngstown, Ohio, assignor to The Youngstown Foundry & Machine Company, Youngstown, Ohio, a corporation of Ohio

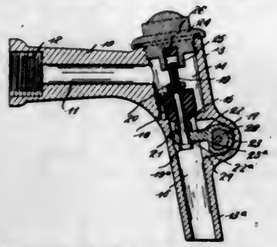
Application April 19, 1939, Serial No. 268,773

7 Claims. (Cl. 153—54)



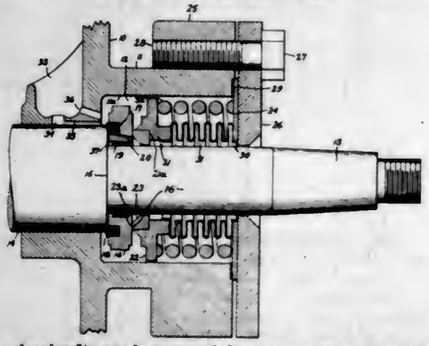
1. In a processing machine of the character described for processing strip steel, the combination of a frame, a member rotatably supported by said frame, a flexing roll of relatively small diameter over which the strip to be processed is adapted to be flexed, a back-up roll for said flexing roll, means for supporting one of said rolls in said member, means for rotatably supporting the other of said rolls in engagement with the last mentioned roll, means for guiding the strip to be processed to said flexing roll, means for pulling the strip to be processed over said flexing roll, means for rotating said member whereby the angle through which the strip to be processed is flexed is varied, and means for producing a relative movement between the axes of said rolls, as the angle through which the strip is flexed is varied, such that said rolls are maintained in a relationship in which the force acting therebetween always acts substantially along a line connecting their axes of rotation.

2,188,783
FAUCET
August L. Voight, Cleveland, Ohio
Application July 29, 1938, Serial No. 221,987
3 Claims. (Cl. 225—5)



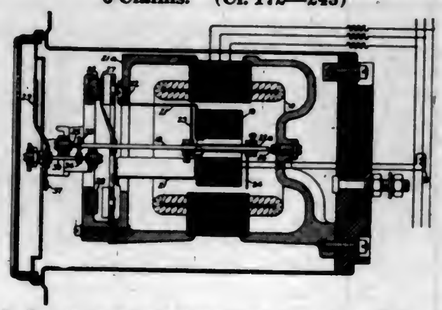
1. In a faucet of the character described, an attaching portion provided with a bore therethrough, a portion at the outer end of said attaching portion provided at its upper end with a valve chamber communicating with said bore and at its lower end with an outlet passage communicating with said chamber, said valve chamber being of greater cross-sectional area than said bore and said passage, a valve seat at the junction of said chamber and said outlet passage, a rockable valve actuating member having an arm located in said outlet passage and provided with an opening, a rod extending through said opening in said arm and through said valve, means on said rod operatively interconnecting the same with said arm and said valve, and buffer means located in said chamber in the path of movement of said rod for limiting the movement thereof in one direction.

2,188,784
SHAFT SEAL
Frank T. Grothouse, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application February 3, 1939, Serial No. 254,432
3 Claims. (Cl. 286—11)



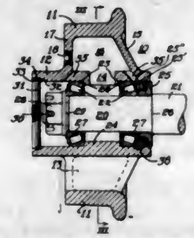
1. A shaft seal comprising a casing provided with a shaft aperture, a rotatable shaft extending through said aperture and provided with a transverse annular shoulder, a removable collar surrounding said shaft adjacent said shoulder, means for securing said collar to said shaft for rotation therewith, a ring of resilient material surrounding and spaced from said shaft and arranged between said shoulder and said removable collar for providing between said collar and said shoulder a seal having a predetermined effective sealing diameter, said collar having an annular sealing surface on the side thereof remote from said shoulder, a second collar arranged about and spaced from said shaft and having an annular nosepiece provided with a sealing surface arranged to engage said sealing surface on said removable collar, means for sealing said second collar with respect to said casing, and means for urging said second collar axially of said shaft toward said removable collar to maintain said sealing surfaces in engagement, the effective sealing diameter of said nosepiece being less than the effective sealing diameter of said resilient ring.

2,188,785
POWER-FACTOR METER
William D. Hall, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application August 13, 1938, Serial No. 224,758
6 Claims. (Cl. 172—245)



2. In a power-factor meter, a scale having graduations to designate values of power-factor, a pointer pivoted to rotate relative to said scale and indicate thereon, and driving means for said pointer comprising a pair of windings, and connections for energizing said windings in accordance with the voltages and current of an alternating current power circuit, said driving means including rotary means responsive to the phase difference of the currents of said windings for rotating said pointer two angular degrees for each electrical degree change in such phase relationship.

2,188,786
MINE CAR WHEEL
Wilbur D. Hockensmith, Jr., Irwin, Pa.
Application December 9, 1937, Serial No. 178,862
6 Claims. (Cl. 308—110)



6. A wheel comprising a hollow hub within which an axle is adapted to be rotatively received, a flanged rim, a plurality of hollow spokes extending radially between said hub and said rim, a plurality of relatively large ports in said hub giving communication between said hollow spokes and the interior of said hub, tapered roller bearings mounted between said hub and said axle and relatively small return ports in said hub effecting communication between the outer sides of said bearings and said hollow spokes, each such hollow spoke being made up

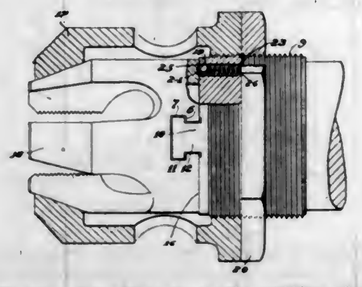
of a front wall, a back wall and a pair of side walls arranged to define a chamber extending from the hub to the rim of the wheel.

2,188,787
INFANT'S HAND GUARD
Jacob Keener, Chicago, Ill.
Application April 22, 1939, Serial No. 269,321
2 Claims. (Cl. 128—133)



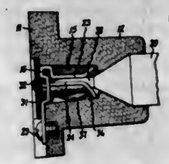
1. An anti-finger sucking device for infants comprising a stiff shield adapted loosely to enclose the hand of an infant, means at one end of the shield for securing the shield to the wrist of the infant and a closure fitted in the opposite end of the shield, said closure being formed of two spaced-apart disks between which are disposed small balls to form a rattle.

2,188,788
DIE
Alfred J. Kiehne, Derby Line, Vt., assignor to Union Twist Drill Company, Athol, Mass., a corporation of Massachusetts
Application May 1, 1939, Serial No. 271,015
4 Claims. (Cl. 10—119)



1. The combination in a die cutting device of a supporting spindle member, a die cutting member, and a cage, the supporting spindle member having a circular end surface at right angles to the spindle axis and an external thread, the die cutting member having an axial bore, an annular hub having an end surface at right angles to the axis of the bore and separated prongs extending outwardly axially, each prong having thread cutting teeth on its inner surface, and a tapered external surface, loosely-fitting headed connections between the abutting ends of the supporting member and the die cutting member, the parts of which connections are mutually engageable by relative radial movement only, said connections preventing direct axial separation of said members and being so loose as to permit one of said members to rock and rotate slightly with relation to the other but being independently capable when said connections are arranged substantially off the vertical of temporarily holding said die cutting member in approximate position on said supporting spindle member prior to and during the assembly of said cage and until the initial screw threaded engagement of said supporting member and cage is accomplished and thereafter to permit accurate axial alignment and locking of said members in abutting contact by said cage, said cage having at one end an internal thread adapted to screw onto the external thread of the supporting member and at the other end an internal conical surface adapted to fit the external tapered surfaces of the prongs, whereby when the cage is screwed down on the supporting member the annular ground ends of that member and of the die cutting members are pressed and the axes of the bores of said members are brought into alignment and all relative rocking and axial misalignment of said members is prevented.

2,188,789
TERMINAL BLOCK
Donald G. Kimball, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application July 21, 1938, Serial No. 220,523
4 Claims. (Cl. 173—363)



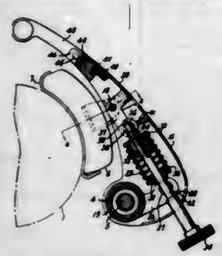
4. In a device of the class described, a housing having a chamber therein, a fixed contact, said contact having a contact arm within said chamber and a leg extending substantially at right angles to said arm, said leg being provided with an indented portion having a slot therein, a freely floating contact member within said chamber having an end extending into said slot and engaging the edge of said slot to space said end of the contact member from said arm, means between said contact member and a wall of said chamber biasing said contact member toward said contact arm and a plate of insulating material closing one end of said chamber and clamping said leg against said housing to retain said assembled contacts in position, the end of said floating contact member resting in the space between said plate and indented portion.

2,188,790
MATERIAL HANDLING MECHANISM
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application February 5, 1934, Serial No. 709,746
Renewed December 9, 1937
20 Claims. (Cl. 198—8)



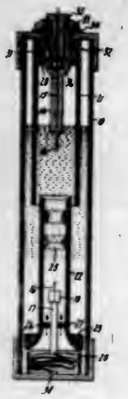
1. Material handling mechanism comprising a gathering conveyor and means having notched projections and extending laterally from the longitudinal axis of the gathering conveyor adapted to receive a lifting tool therebeneath for effecting a lateral tilting of the gathering conveyor.

2,188,791
IRONING MACHINE
Charles A. Lindemann, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 11, 1938, Serial No. 184,405
8 Claims. (Cl. 68—60)



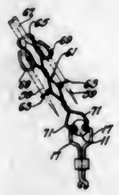
5. In an ironer having a roll and a shoe, a support, a shoe supporting arm carrying the shoe at its upper end and pivoted on the support at its lower end, said arm having spaced side walls and a rear connecting wall, a variable length connection between said support and said arm comprising toggle links enclosed within said walls, one of which is a manually operable lever pivoted on said arm between its side walls above said support and the other of which is connected to the support at a point to the rear of the pivotal axis of said arm, said latter link including a spring exerting an upward force on said arm resisting movement of the shoe away from the roll.

2,188,792
PROTECTIVE MEANS FOR ELECTRIC CIRCUIT
Gustav Müller, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Original application December 3, 1935, Serial No. 52,711. Divided and this application April 8, 1938, Serial No. 200,956. In Germany December 20, 1934
11 Claims. (Cl. 175—294)



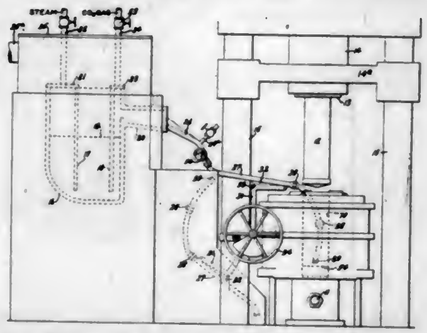
1. A protective device for an electric circuit, including in combination a pair of relatively movable terminal elements, a fusible element operative normally to maintain said terminal elements in predetermined relationship, means for effecting relative movement apart of said terminal elements upon rupture of said fusible element, an inductive device adapted to be connected in an electric control circuit, and means operative responsively to movement apart of said terminal elements for effecting a change in the inductance of said inductive device.

2,188,793
HEAT-TREATING DEVICE
Thomas Jefferson Newbold, Santa Clara, N. Y.
Application June 28, 1938, Serial No. 216,356
2 Claims. (Cl. 53—5)



2. An attachment for toasting forks comprising means detachably engaging the fork back of the points thereof, a support for the material to be toasted, and a flexible coupling connecting the support to the detachable engaging means and thus to the fork.

2,188,794
MEANS FOR FILLING LEAD PRESSES IN THE MANUFACTURE OF CABLE SHEATHS
Carl A. Piercy, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application July 2, 1938, Serial No. 217,294
17 Claims. (Cl. 207—1)



1. A lead press comprising a cylinder that retains a residual charge after each operation, a ram, and extruding die means in combination with a flooding ring mounted on top of the cylinder of larger diameter than the ram, a removable filling tube connected at one end to a source of molten metal and extending through the ring into the cylinder and terminating at or in proximity to the residual charge therein for discharging molten metal downwardly and laterally against the charge, means for moving the tube into and out of the cylinder for each charge and holding it in a fixed position while in use, and removable burner means located between the plane of the lower end of the ram and the top of the pool of molten lead in the flooding ring and supplied with a combustible gas for reducing oxide forming on the top of the pool after the filling tube is removed.

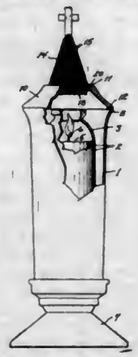
2,188,795
CANDLE AND FUEL COMPOSITION FOR CANDLES
Karl Rau, Medina, Ohio, assignor to The A. I. Root Company, Medina, Ohio, a corporation of Ohio
No Drawing. Application March 11, 1938, Serial No. 195,344
4 Claims. (Cl. 44—7.5)

1. A devotional candle, the fuel composition of which contains over 50% of beeswax and at least 25% of amorphous mineral wax derived from crude petroleum oil, said ingredients being thoroughly blended.

2,188,796
PROTECTING STICK
Carolyn S. Richards and Ruth S. Richards, Lawrence, Mass.
No Drawing. Application March 2, 1938, Serial No. 193,517
4 Claims. (Cl. 91—54.4)

1. A stick for protecting silk and rayon garments made of one pound of paraffin, one to two drams of fuller's earth, forty-five grains of gum arabic and ten drops oil of lavender, all thoroughly mixed together.

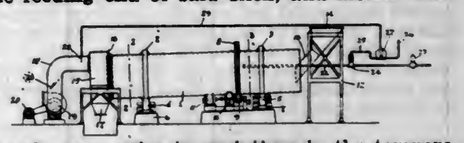
2,188,797
LIGHT DEVICE
Huber H. Root and Karl Rau, Medina, Ohio, assignors to The A. I. Root Company, Medina, Ohio, a corporation of Ohio
Application August 28, 1937, Serial No. 161,362
4 Claims. (Cl. 240—13)



2. In a light of the class having a hollow glass casing containing a candle and open at the top, an annular lid adapted to be detachably supported by the top of such casing in inwardly overhanging relation thereto on all sides, and an insert guard seated in the central opening of the lid and operatively closing the opening against access to the light by relatively larger objects.

2,188,798
APPARATUS FOR CONDITIONING SAND AND LIKE MATERIALS
Benjamin A. Smith, Lakewood, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1937, Serial No. 159,141
1 Claim. (Cl. 22—89)

In apparatus for reconditioning foundry sand, the combination of a horizontally-inclined cylindrical shell provided on its inner periphery with lifting flights, means for rotating such shell, means for feeding a continuous stream of foundry sand to the feeding end of said shell, means for effecting a flow of air longitudinally through said shell, means for spraying water onto the sand in the feeding end of said shell, and means functionally responsive to variations in the temperature of the air stream discharged from said shell for varying the quantity of water thus sprayed onto the sand.

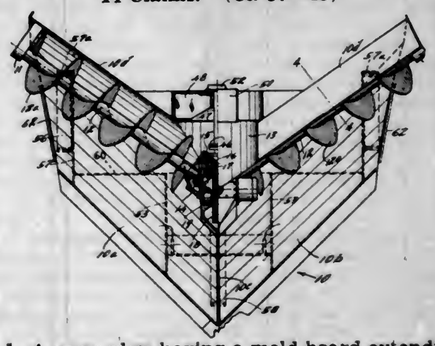


2,188,799
PRETZEL MACHINE
Victor A. von Haase, Rocky River, Ohio, assignor to The Victor Development and Patent Company, Cleveland, Ohio, a corporation of Ohio
Substitute for abandoned application Serial No. 36,161, August 14, 1935. This application June 28, 1939, Serial No. 281,717
9 Claims. (Cl. 107—14)



1. A header for an object forming machine, said machine having a housing comprising, in combination, an enclosed wall member having one end adapted to be attached to said housing and having the other end open, a plurality of segmental pieces arranged in substantially the same plane at said open end and in spaced relationship with respect to each other, to form an opening having an outline in the shape of the object to be formed, a member for supporting each of said segmental pieces, each said member extending rearwardly from said each segmental piece and terminating intermediate the ends of said wall member, a supporting member adapted to move through said open end of the wall member and being adapted to engage said wall member intermediate the ends of said wall member, said supporting member having a plurality of projecting portions extending radially and inwardly of said wall member, and means for fastening said longitudinal members to the said projecting portions.

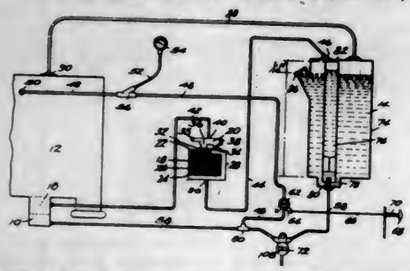
2,188,800
DOUBLE DUTY SNOW PLOW
Archie O. Williamson, Minneapolis, Minn.
Application April 25, 1938, Serial No. 204,113
14 Claims. (Cl. 37—43)



1. A snow plow having a mold board extending

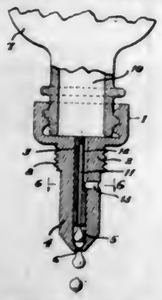
outwardly and rearwardly from a central vertically extending line, said moldboard extending upwardly for a considerable distance whereby snow of small depth may be discharged laterally by said moldboard and rotary conveyors disposed adjacent the top of said moldboard and extending longitudinally thereof in opposite directions respectively for engaging and moving snow along said moldboard if it is of great depth and means for driving said conveyors.

2,188,801
OIL DILUTION SYSTEM
Weldon Worth, Dayton, Ohio
Application February 11, 1937, Serial No. 125,257
26 Claims. (Cl. 184—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



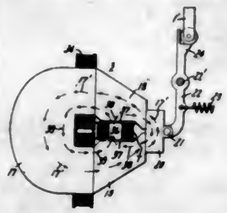
1. In a lubricating system for use in connection with an internal combustion engine comprising, in combination, a tank provided with a plurality of communicating compartments and having inlet and outlet openings in direct communication with one of said compartments, means providing a lubricant passage from said outlet through said engine and to said inlet including a pump and means for supplying a lubricant thinner than the lubricant contained in said lubricant tank from a source of supply to the suction side of said pump.

2,188,802
CAP AND DROPPER
Lloyd Stanley Beckett, Boston, Mass.
Application January 6, 1939, Serial No. 249,575
4 Claims. (Cl. 221—148)



1. A combination container cover and dropper comprising a tubular housing adapted to be received about the neck of a container, a reduced end portion formed in the housing, said end portion having an opening formed therein, a plug member fixed in the said opening, and said plug member being recessed to provide a plurality of passageways for passing fluids between itself and the inner surface of the reduced end portion of the cap.

2,188,803
HIGH SPEED PERMANENT MAGNET ELECTRORESPONSIVE DEVICE
Eugene W. Boehne, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Original application August 4, 1936, Serial No. 94,220. Divided and this application March 24, 1938, Serial No. 197,873
1 Claim. (Cl. 175—339)

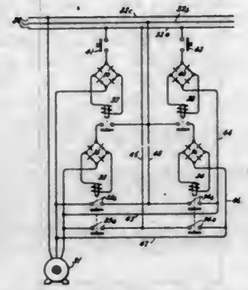


A high speed tripping magnet for releasing instantly a large force comprising a precipitation hardened permanent magnet portion having a pair of pole arms, said permanent magnet portion having very high reluctance and magnetomotive force, a soft iron laminated pole piece supported by each of said pole arms and a relatively movable armature of similar material likewise having very low reluctance completing with said permanent magnet portion and said pole pieces a magnetic circuit, the holding surface area of said armature coacting with said pole pieces being an optimum with respect to the flux holding said magnet in closed magnetic circuit position, means biasing said armature away from said pole pieces towards an open magnetic circuit position, and an armature releasing coil having a magnetic core compactly disposed between said laminated pole pieces and adjacent to said armature adapted to be energized to produce a flux to effect the release of said armature, said core forming with said pole pieces and armature a low reluctance, low loss, circuit of small length, said small circuit and optimum area jointly contributing to increased efficiency of the releasing coil flux, the releasing flux produced by said coil traversing both a high reluctance circuit and said low reluctance circuit, said high reluctance circuit including said permanent magnet portion wherein the releasing flux is in the same direction as the flux produced by said permanent magnet portion, the releasing flux in said low reluctance circuit traversing said pole pieces and armature in a direction opposite to that of the flux produced by said permanent magnet portion, the ratio of the reluctances of said circuits being such that substantially all the flux produced by said coil traverses said armature at said optimum holding areas to oppose said holding flux sufficiently to cause high speed release of said armature.

2,188,804
CONTROL SYSTEM
Walter Boeker, Berlin-Grunewald, Germany, assignor to General Electric Company, a corporation of New York
Application January 13, 1939, Serial No. 250,818
In Germany January 13, 1938
4 Claims. (Cl. 172—179)

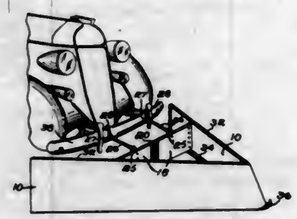
1. A control system for an alternating-current motor supplied from a polyphase source comprising a pair of electroresponsive devices each having an operating coil for effecting the connection of said motor to said source for rotation

in either direction, and a pair of rectifiers, one for each of said devices for supplying direct current to said operating coils, each of said rectifiers having an alternating-current terminal



connected to one phase of said source and another alternating-current terminal connected to the terminal of the motor having the same voltage when the electroresponsive device associated with the other of said devices is actuated.

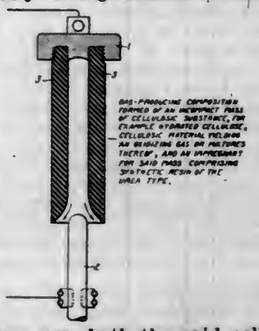
2,188,805
SNOW PLOW
Olaf H. Borgeson, Wellesley Hills, Mass.
Application February 15, 1939, Serial No. 256,434
6 Claims. (Cl. 37—44)



1. A folding snow plow comprising a pair of resilient sheet metal mold boards pivoted together at their forward ends on an axis slanting upwardly-rearwardly from the vertical, braces between and attached to the boards adjacent to their rear ends and including substantially vertical hinge joints connecting the braces to the boards and to each other, said hinge joints permitting the boards to be moved about the pivot axis to open and closed positions wherein the boards are in substantial diverging relation and near parallel relation respectively and the non-parallel axes of the pivot and hinge connections being adapted to cause such connections to bind into a tightening relation when the mold boards are brought to open position, and means for attaching the plow to a vehicle rearwardly thereof.

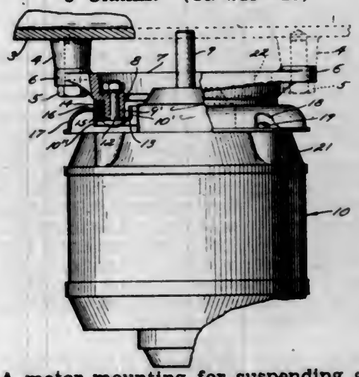
2,188,806
ELECTRIC CIRCUIT INTERRUPTER
Hermann Burmeister, Berlin-Spandau, Germany, assignor to General Electric Company, a corporation of New York
Application March 23, 1937, Serial No. 132,661
In Germany March 31, 1936
8 Claims. (Cl. 200—149)

1. In an electric circuit interrupter, an arc-extinguishing tube comprising an incompact mass of cellulosic substance selected from the class consisting of hydrated cellulose, cellulosic material yielding an oxidizing gas, and mixtures of hydrated cellulose and cellulosic material yielding an oxidizing gas, and an impregnant for the said mass comprising hardened synthetic resin of the urea type filling the mass to form a mechanically strong structure wherein, under



the heat of an arc, both the said cellulosic substance and the said impregnant are capable of delivering arc-extinguishing gas.

2,188,807
RESILIENT MOTOR MOUNTING
John A. Castricone, Peoria, Ill., assignor to Altorfer Brothers Company, Peoria, Ill., a corporation of Illinois
Application August 21, 1937, Serial No. 160,273
3 Claims. (Cl. 248—18)

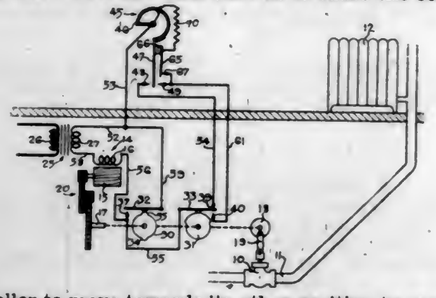


1. A motor mounting for suspending an electric motor with its drive shaft disposed vertically; a base member having outwardly extending bolting lugs, a circular right angle flange extending inwardly and downwardly from said lugs, and bolting bosses inside said flange extending downward the full length thereof; a rubber ring with an outwardly opening recess adapted to fit over said circular flange; a clamped support member adapted to clamp the rubber ring in the right angle flange of the base member by bolts through said inside bolt bosses; and an annular motor support member adapted to be bolted to the motor on its outer periphery and clamped by its inner periphery in the rubber ring recess, the last named connection being the only connection between the motor and its support.

2,188,808
TEMPERATURE CONTROL SYSTEM
Gilbert A. Churchill, Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 27, 1937, Serial No. 128,251
7 Claims. (Cl. 236—68)

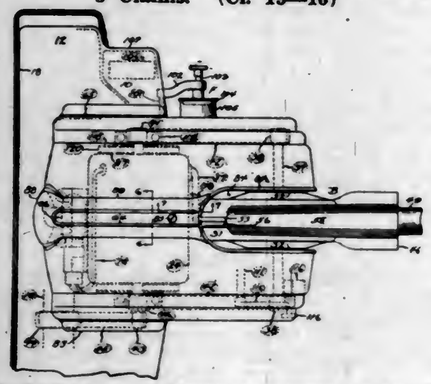
1. In a temperature control system, tempera-

ture changing apparatus, a power operated regulator therefor movable between heat increasing and heat decreasing positions, a temperature responsive controller movable between hot and cold positions, a source of motive power, connections between said source of power, said temperature responsive controller and said regulator effective upon said controller assuming its hot or cold position to so apply power to the regulator as to cause it to move to its heat decreasing or heat increasing position respectively and accelerating means immediately effective when said regulator is in one of said extreme positions and upon the temperature changing from the value required to cause the controller to move to the extreme position corresponding to the extreme position of the regulator in a direction such as to cause the con-



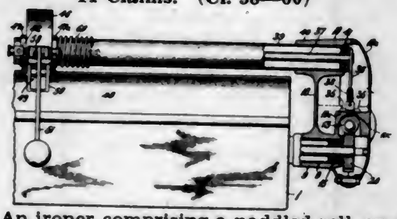
troller to move towards its other position to cause said controller to move towards said other position at a rate faster than that which would result merely from the normal temperature change of the controlling medium, said accelerating means being ineffective so long as the value of the temperature does not change from that necessary to move the controller to the extreme position corresponding to the position of the regulator in a direction such as to cause the controller to move towards its other extreme position so that said regulator is in said one extreme position for a variable period of time determined by both the effect of said accelerating means and the time required for the temperature of the controlling medium to change sufficiently to place said accelerating means in operation.

2,188,809
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application March 3, 1936, Serial No. 66,882
5 Claims. (Cl. 15—16)



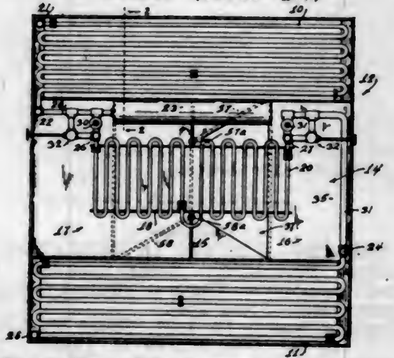
1. In a vacuum cleaner, a suction chamber including, a transverse agitator chamber, a motor mounted on top of the suction chamber, its axis parallel to that of the agitator chamber, a casing member covering said motor and part of said suction chamber, said casing member including a forward downwardly inclined wall roughly tangent to the motor and agitator chamber and forming a roughly prismatic space therebetween, a headlight mounted on the top wall of the suction chamber and disposed in said space, said casing having an opening in its forward wall, a visor fitting over said opening, said visor including a flexible metal element and a rubber bumper fitted over said metal element and extending centrally over said wall and terminating at the rear edge of the casing member, said opening lying substantially opposite said light such that light may be emitted through said opening.

2,188,810
WRINGER POST IRONER
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application February 4, 1936, Serial No. 62,289
11 Claims. (Cl. 38—60)



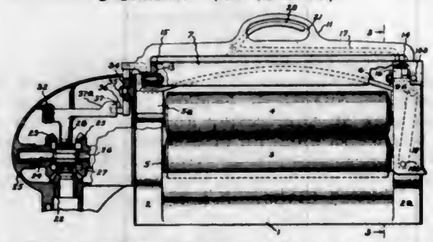
1. An ironer comprising a paddled roll, an arm extending along said roll, a link pivoted on said arm, a shoe carried on said link, and a pivoted lever carried by said arm having a cam surface engaging said link for moving said shoe against said roll, the axis about which said lever is pivoted being spaced from the axis about which said link is pivoted.

2,188,811
AIR CONDITIONING PLANT
Robert H. Folsom, Los Angeles, Calif.
Application April 25, 1938, Serial No. 204,043
4 Claims. (Cl. 62—129)



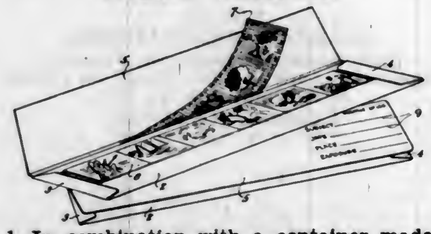
1. In an air conditioning unit, a condenser, and an evaporator, means for moving indoor air over said condenser, means for moving outdoor air over said evaporator, means movable to render the second named means inoperative and causing the first named means to then move indoor air simultaneously over both the evaporator and the condenser.

2,188,812
CONTROL FOR WRINGERS
David Hays, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application August 6, 1936, Serial No. 94,622
3 Claims. (Cl. 68—253)



1. In a clothes wringer having pressure rolls, clutch means for controlling the driving mechanism and an emergency release for releasing the pressure between the wringer rolls, a control lever biased to a central position, means operated by movement of the control lever from the central position for operating said clutch means, the connection between the control lever and said means permitting the control lever to return to the central position after being released by the operator without operating the clutch means, means operated by movement of the control lever from the central position for effecting operation of the emergency release to release the pressure between the wringer rolls, and means operable by the operator for breaking the operating connection between the control lever and the operating means for the emergency release.

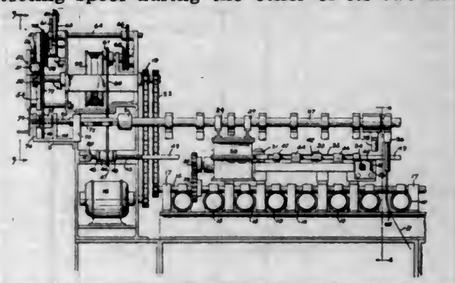
2,188,813
CONTAINER
Henry G. King, Lorain, Ohio
Application July 30, 1937, Serial No. 156,535
5 Claims. (Cl. 229—68)



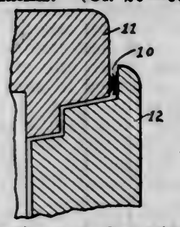
1. In combination with a container made of flexible material forming a pocket, adhesive material covering a substantial area of one external side thereof, an article to be displayed secured to said container by said adhesive material, and a flap movable to overlie said article.

2,188,814
THREAD WINDING MECHANISM
Louis E. Lovett, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 26, 1936, Serial No. 107,512
4 Claims. (Cl. 242—18)

2. Thread winding mechanism comprising a rotatable collecting spool; an arm provided with a thread guide eye; a carrier bar to which said arm is secured; supporting means for said carrier bar permitting it to have two independent motions; means actuating said carrier bar to cause it to move said thread guide eye back and forth across said collecting spool during one of its two independent motions; and means actuating said carrier bar to cause it to move said thread guide eye progressively away from said collecting spool during the other of its two independent motions, the thread guide eye being moved away from said collecting spool at the rate at which the thread package being formed on said collecting spool increases in thickness.



2,188,815
GASKET
Roy C. Murphy, Grand Rapids, Mich., assignor to Corduroy Rubber Company, Grand Rapids, Mich., a corporation of Delaware
Application July 31, 1937, Serial No. 156,623
2 Claims. (Cl. 20—69)



1. A gasket having an elongated base portion provided with a longitudinally extending convex surface and with a plurality of longitudinally disposed resilient fins extending radially from said convex surface a sufficient distance to permit each fin to flex independently of the other fins and independently of said base portion.

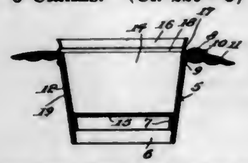
2,188,816
ELECTRIC FUSE AND INDICATOR
William K. Rankin, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application April 29, 1938, Serial No. 205,105
12 Claims. (Cl. 200—121)



1. In an electric fuse, the combination with an

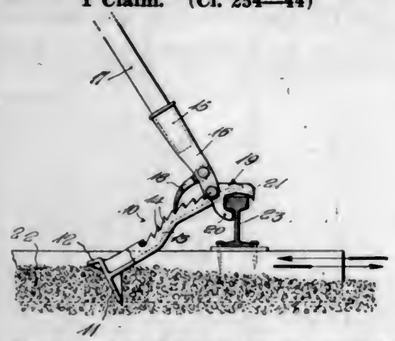
enclosing casing and a fusible element therein, of means providing a chamber gas-tightly sealed off from the interior of said casing and having an indicator element movable from a normal position to an indicating position in response to pressure in said chamber, means operable for developing pressure in said chamber, and means for effecting operation of said pressure developing means in response to fuse operation.

2,188,817
DECORATIVE CONTAINER
Irving C. Reynolds, Toledo, Ohio
Application July 6, 1938, Serial No. 217,746
3 Claims. (Cl. 229—8)



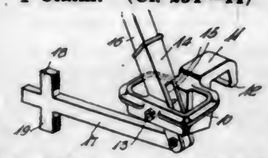
1. In a container structure, a hollow body having an interior wall terminating in a mouth at one end and a bottom having a folded section at the other end, and a collar associated with said body and formed with a circumferentially and outwardly disposed section extending about said mouth and with an angularly disposed section relative to said first mentioned section extending into said mouth and engaging said wall, a similar body arranged in said first mentioned body and having an outer wall coacting with the inner wall of said first mentioned body to maintain said collar fixed therebetween and said outwardly disposed section in position about said mouth, said similar body having a bottom portion resting on said folded section to position the mouth of said similar body above said collar.

2,188,818
TRACK-ALIGNING DEVICE
David Rich, Spooner, Wis., assignor of fifteen per cent to August J. Lemke, ten per cent to Garnett R. McKeever, and ten per cent to Clarence E. Falk, all of Spooner, Wis., and ten per cent to Edward H. Grewe, Eau Claire, Wis.
Application December 2, 1938, Serial No. 243,665
1 Claim. (Cl. 254—44)



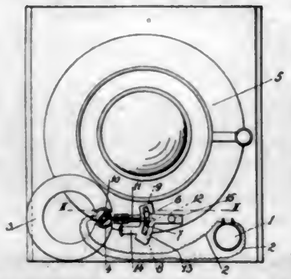
A railroad track-aligning device comprising a shoe member including a base plate adapted to penetrate the track ballast and having front and rear faces, spaced ratchet bars connected to and extending forwardly from the front face of the base plate, a flange extending rearwardly from the upper edge of the rear face of the base plate and adapted to engage the surface of the track ballast, a bifurcated rock lever positioned between the ratchet bars, a work-engaging member pivotally mounted in the outer end of the bifurcation, and a pawl pivotally mounted within the bifurcation inwardly of the work-engaging member and adapted to engage the ratchet bars whereby to provide a fulcrum for the rock lever.

2,188,819
TIE-SPACING DEVICE
David Rich, Spooner, Wis., assignor of fifteen per cent to August J. Lemke, ten per cent to Garnett R. McKeever, and ten per cent to Clarence E. Falk, all of Spooner, Wis., and ten per cent to Edward H. Grewe, Eau Claire, Wis.
Application December 2, 1938, Serial No. 243,665
1 Claim. (Cl. 254—44)



A tie-spacing device comprising a substantially rectangular frame having a railhead unitary clamp projecting from one side thereof adapted to support said frame free from contact with the ties, a pivot extending through said frame centrally of its length to engage opposite sides thereof, an operating lever having a lower end pivoted above its extremity on said pivot, the lower end of said lever projecting below said frame, a pivot carried by the lower extremity of the lever below said frame, and a reversible tie pusher mounted on the last mentioned pivot whereby it may be swung forwardly and backwardly of said frame, said tie pusher consisting of an elongated bar having oppositely disposed arms extending from the bar in spaced relation to the free end thereof.

2,188,820
PHOTOGRAPHIC CAMERA
Ödön Riszdorfer, Budapest, Hungary
Application April 14, 1937, Serial No. 136,954
In Germany July 11, 1935
4 Claims. (Cl. 95—53)



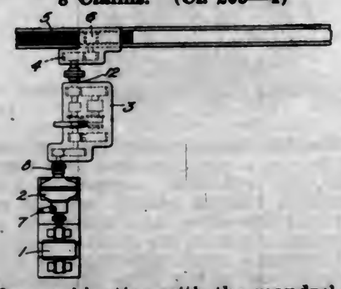
1. A photographic camera having a shutter, a photoelectric meter having a pointer displaceable in accordance with the activation of the meter, means movable to hold said pointer in its displaced position, shutter winding mechanism, a member adapted to control the exposure interval of the shutter in accordance with its position and movable to a position determined by said pointer when the shutter is wound, a shutter release, and an operating member movable through a predetermined path for actuating in sequence said holding means, said shutter winding mechanism and said shutter release.

2,188,821
COMPASS
Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 23, 1938, Serial No. 247,500
5 Claims. (Cl. 240—2.1)



5. In combination, a direction indicating means located in one plane, a translucent scale located in a plane spaced from the plane of said direction indicating means, a light-conducting and light-emitting member shaped to conform to the outlines of said translucent scale and located in a plane intermediate said first two planes, means for introducing light rays into said light-conducting member from the exterior thereof, and means cooperating with said light-conducting member whereby light is emitted therefrom simultaneously upon said scale and indicating means substantially throughout the length of said light-conducting member.

2,188,822
PUSH BENCH DRIVE
Sydney Smith, London, England, assignor to Wellman Seaver Rolling Mill Company Limited, London, England, a company of Great Britain
Application June 18, 1938, Serial No. 214,559
In Great Britain June 21, 1937
8 Claims. (Cl. 205—4)



1. The combination with the mandrel and reducing means of tube-making push-bench apparatus of driving means for driving the mandrel, on which the tube is formed, through the reducing means, comprising a driving motor, an hydraulic torque converter connected to the said motor, and a reversing gear connected between the output side of the converter and the moving element of the push-bench apparatus.

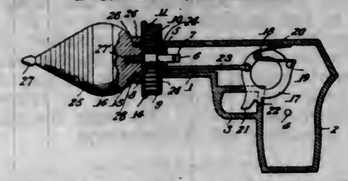
2,188,823
KNITTING NEEDLE
Hazel E. Stallman, Pontiac, Mich.
Application April 3, 1939, Serial No. 265,803
4 Claims. (Cl. 66—117)

1. A knitting needle head comprising a disc-like carrier having an outer portion of uniform diameter and an inner portion gradually decreasing in diameter throughout inwardly from said outer portion, a socket forming means for mounting on and for securing to one end of the needle, said means being integral with said inner portion, said carrier being provided on a part thereof with spaced selectively exposable indicia,



and a rotatable cap mounted on the carrier and being formed with a part coacting with the said inner portion for connecting the carrier and cap together and for frictionally securing the cap, said cap including another part formed with a window for selectively exposing said indicia.

2,188,824
TOP SPINNING DEVICE
Emmitt B. Thigpen, Macon, Ga., assignor of one-fourth to Wylie A. Mason, and one-fourth to John W. Douglas, Bibb County, Ga.
Application April 8, 1938, Serial No. 200,981
1 Claim. (Cl. 46—69)

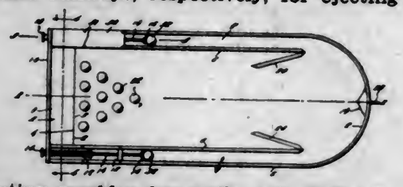


A top spinning device comprising handled supporting means in the form of a pistol including a handle and a barrel, a shaft secured in and extending from the outer end of the barrel, a notched collar secured to the inner end of the extending portion of the shaft, a flat cylindrical housing rotatably mounted on the shaft about the collar and held by the latter, a flat coiled spring within the housing and wound about the collar, said spring having its outer end secured to the cylindrical wall of the housing and its inner end mounted in the notch of the collar for loose association therewith, whereby upon rotation of the housing in one direction the spring will be wound to store up energy therein for rotating the housing in an opposite direction, diametrically opposed studs extending from the outer wall of the housing and inclined in opposite directions with respect to each other, a top including a head provided with a flat face engageable with the outer wall of the housing, said head having holes therein to fittingly receive the studs and a bore to receive the extending portion of the shaft for detachably securing the top to the housing to be ejected therefrom upon rotation thereof by the spring, said housing having openings in the inner wall thereof, and means within and movable through the barrel to be received in any one of the openings of the housing for holding the latter against rotation, and spring pressed trigger means mounted in the supporting means and having the holding means pivotally connected thereto for actuating the same.

2,188,825
GAME BOARD
Charles Victor Vlaun, Long Island City, N. Y.
Application February 10, 1939, Serial No. 255,745
1 Claim. (Cl. 273—39)

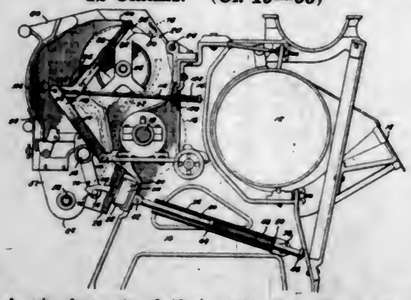
A game board for bowling with marbles and attachment to a table top comprising a flat elon-

gated bottom having straight side edges, a semicircular front end and a cut out rear end, an upstanding guide rail extending along the sides and around the front end of said bottom, a pair of short rails upstanding from said bottom alongside said guide rails and extending from the rear end of the bottom part way along the latter in laterally spaced relation to the guide rail to form therewith a pair of runways at opposite sides of said bottom, respectively, for containing shooting marbles, a pair of spring actuated ejectors in said runways, respectively, for ejecting said



shooting marbles forwardly out of the same, a field of shallow sockets in the rear end of said bottom in front of said cut out for seating marbles therein to be unseated by said shooting marbles, and projected thereby into said cut out, said guide rail having attached to the inner face thereof in the longitudinal center of the latter a triangular shaped cushion member against which the shooting marbles may be shot to carom off the same, and said short rails having secured to the front ends thereof a pair of rearwardly convergent baffle rails for deflecting the shooting marbles caroming off said cushion.

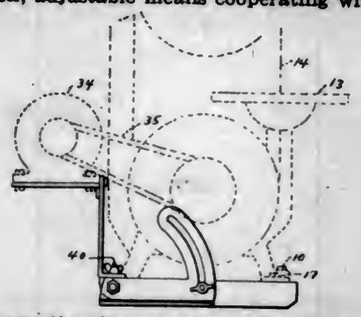
2,188,826
HULLER TYPE COTTON GIN
Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana
Application February 28, 1939, Serial No. 259,033
12 Claims. (Cl. 19—55)



1. A gin breast of the class described including an inner breast member and an outer breast member, a pivot connecting said inner breast member to a gin frame and serving as a common pivot for both breast members, the outer breast member having a rolling upper bearing connection to the inner member, a separable latched connection to the lower part of the inner member, and means constructed and arranged to move said members jointly about said common pivot and to move the outer breast member bodily with respect to the inner breast member.

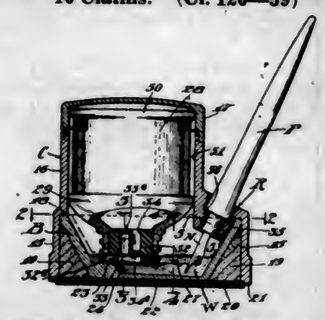
2,188,827
SAW MACHINE BASE
Charles H. Bradfield, Springfield, Mo.
Application May 24, 1938, Serial No. 209,772
3 Claims. (Cl. 248—23)

3. A supporting base for a power-driven saw machine or the like, said base comprising a pair of opposed stationary legs, a saw supporting frame, said frame being pivoted at one end thereof to said legs and adapted to have a power driven saw machine or the like mounted directly thereon, adjustable means cooperating with said



saw supporting frame and one of said stationary legs for securing the frame and the saw machine thereon at the desired angle of inclination, together with a supporting plate for the power unit of the saw machine or the like extending laterally from one edge of said supporting frame.

2,188,828
FOUNTAIN INKWELL
Bert M. Morris, Los Angeles, Calif.
Application September 20, 1938, Serial No. 230,796
10 Claims. (Cl. 120—59)

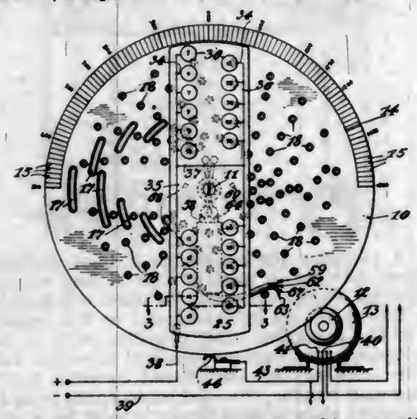


1. A fountain inkwell, comprising; a bottle receptacle having a container and bowl within the container, the container comprising a hollow base having a circular portion with an integral casing rising therefrom and a tapered portion extending radially from the circular portion, said portions having a continuous shoulder interiorly thereof, said bowl of the same general shape as said base and formed of an ink resisting material with its upper edge of the same contour as and abutting said shoulder, said bowl having a well in the bottom of the tapered portion and provided with a groove for conducting ink into the well, said groove inclined toward and widening into the well, a pen rest in the container communicating with the well, and means for securing the bowl within the container with its upper edge abutting said shoulder.

2,188,829
ATTACHMENT FOR ELECTRICAL FREQUENCY SHIFTERS
Harry R. Clark, Brooklyn, N. Y.
Application April 15, 1937, Serial No. 136,971
3 Claims. (Cl. 200—11)

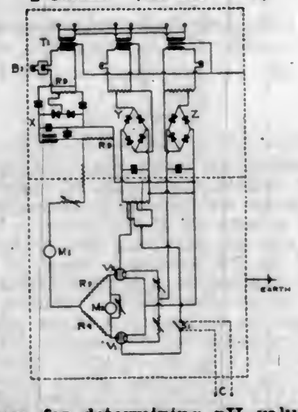
1. Apparatus for tuning a radio set, comprising,

in combination, a metallic disc carrying thereon a plurality of arcuate, insulated major elements and also carrying thereon a plurality of insulated minor elements, a set of manually settable contact making and breaking plungers movable back and forth from the face of said disc, adapted to engage electrically with said disc, and normally in circuit-breaking position, a second set of manually settable contact making and breaking plungers movable back and forth from the face of said disc, adapted to engage electrically with said



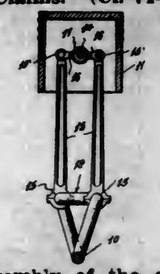
disc, and normally in circuit-breaking position, the two sets of plungers being respectively adapted to cooperate with said insulated major elements and said insulated minor elements, a terminal connected to said metallic disc, and another terminal connected in parallel to all of said plungers whereby the movement of at least one plunger to circuit making position closes a circuit until said plunger comes into engagement with one of said insulated elements on the disc when the latter is rotated.

2,188,830
POTENTIOMETER
William Jasper Clark, Claude Henry Bosanquet, Robert Arthur Bell, and Rhys Matthews, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 4, 1935, Serial No. 14,704
In Great Britain April 20, 1934
1 Claim. (Cl. 175—183)



A system for determining pH values by the measurement of small E. M. F.'s comprising in combination a Wheatstone bridge circuit, means for measuring the unbalanced current across the bridge, and a pair of thermionic triode valves, one on each side of the bridge; means for applying an approximately constant E. M. F. to each valve grid; means for adjusting the filament currents of the valves to balance the valve plate currents; means for applying the potential difference between the electrodes to the grid of one valve; and means for feeding said bridge and valves with direct current at approximately constant voltage from an A. C. current source comprising a circuit including said A. C. current source, a transformer, a rectifier and condenser and at least one current regulating device.

2,188,831
DUAL CRANK AND CONNECTING ROD ASSEMBLY
Furman W. Crawford, Caradan, Tex.
Application September 1, 1938, Serial No. 228,060
5 Claims. (Cl. 74—44)



1. In an assembly of the class described, a crankshaft having a crank provided with circumferentially spaced portions, a connecting rod secured to each portion, a piston having a wrist pin, a rocker mounted by the wrist pin, and said connecting rods being in parallelism and secured to said rocker on opposite sides of the axis of the wrist pin.

2,188,832
LATHE
Bernard E. Cummings, Orlando, Fla.
Application June 30, 1938, Serial No. 216,793
7 Claims. (Cl. 142—7)



1. A lathe comprising means adapted to support a model and material to be turned and to rotate said members at a uniform speed, a carriage slidably mounted relatively to the model and material, a guide pivotally mounted on said carriage and adapted to engage and follow the contour of said model, a cutter pivotally mounted on said carriage and adapted to engage the material, means connecting said guide and cutter to cause them to move as a unit, a contractile spring connected to said guide for urging it into engagement with the model, and a cam associated with said cutter for limiting its cutting depth.

2,188,833
LINK CHAIN
Ernest Arthur Dennison, Longparish, Andover, England
Application April 22, 1939, Serial No. 269,535
In Great Britain April 11, 1938
5 Claims. (Cl. 59—35)

3. In the manufacture of link chains, the

method of fabricating a link-chain member by preparing from metal tube material a ridged body with concave side faces of a length substantially equal to the width of the chain, slotting



out said body at intervals along and transversely of the ridge, and securing in the slotted ridge and concave side faces a plurality of link-joint plates.

2,188,834

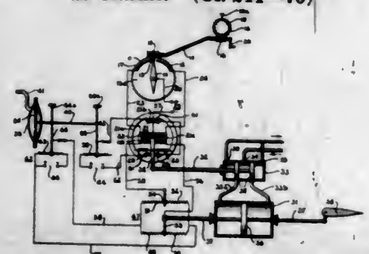
CONTROL APPARATUS FOR VEHICLES

Eduard Fischel, Berlin-Charlottenburg, and Johannes Thiry, Berlin-Sudende, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application May 21, 1938, Serial No. 209,344

In Germany April 29, 1937

25 Claims. (Cl. 244—76)



1. The combination with an attitude indicator for a vehicle, of a servo-motor, a control valve therefor, a control surface operatively connected to said servo-motor, means for governing said control valve in response to deviations from a predetermined indication of said attitude indicator, means acting in opposition to the first-named means in response to the vehicle speed, and means for controlling the velocity of said servo-motor in response to said vehicle speed.

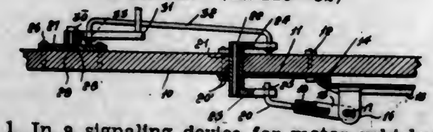
2,188,835

STOP SIGNAL

Claude E. Gaynon, Jacksonville, Fla.

Application August 25, 1938, Serial No. 226,797

2 Claims. (Cl. 116—52)



1. In a signaling device for motor vehicles, a signaling plate adapted to be hinged at one of its ends to the outer side of a motor vehicle, a shaft extending through said side, cranks keyed to the opposite ends of said shaft, a link pivotally connected to the free end of one of said cranks and to said plate and positioned beneath a dead center when said plate is in an inoperative position, an operating lever disposed on the inner side of said vehicle, and a link connecting said operating lever and the free end of said other crank whereby said signaling plate may be swung outwardly to a position substantially at right angles to the axis of said vehicle, said last mentioned link being disposed beneath its dead center when said plate is in its operative position to retain it in an open position.

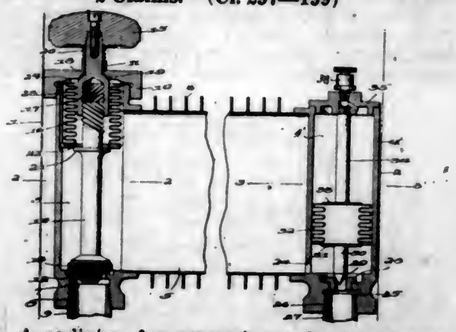
2,188,836

RADIATOR, VALVE, AND TRAP

Eugene W. Goodwin, Bethesda, Md.

Refiled for abandoned application Serial No. 505,428, December 29, 1930. This application March 18, 1938, Serial No. 196,802

2 Claims. (Cl. 257—159)



1. A radiator for conveying a heat exchange medium having an inlet header at one end and horizontal radiation tubes in open communication therewith, an outlet header at the opposite end of the radiation tubes provided with an outlet opening, an automatic control valve for varying the size of the said outlet opening located within said header, the said tubes being closed at their outlet ends by said header except for a small opening adjacent the lower side thereof, which is open to the outlet header, a valve associated with the inlet header for controlling the admission of heating medium to the inlet header.

2,188,837

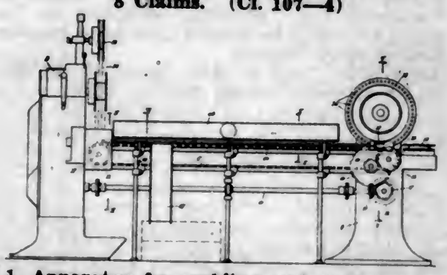
MOLDING AND WRAPPING APPARATUS

Hubert Edward Gregory and Reginald Turner, Leeds, England, and Albert Anton Henkel and Hermann Thürlings, Viersen, Rhineland, Germany; said Gregory and said Turner assignors to The Forgrove Machinery Company, Limited, Leeds, England, a company of Great Britain

Application December 5, 1938, Serial No. 244,106

In Germany December 6, 1937

8 Claims. (Cl. 107—4)



1. Apparatus for molding and wrapping confectionery tablets comprising in combination a molding device for forming a succession of tablets from a rope of plastic stock, a wrapping wheel, means for imparting intermittent rotary movement to the wrapping wheel, a conveyor chain constituting an operative element of the molding device and having molding cavities which shape the undersurface of the tablets, said chain extending across a cooling zone between the molding device and the wrapping wheel, means for imparting continuous forward movement to the chain so as to convey the formed tablets from the molding device and through the cooling zone to the wrapping wheel, and means coacting with the chain for transferring the tablets in succession directly from the cavities in the chain to the wrapping wheel, as they are brought opposite the latter by the chain.

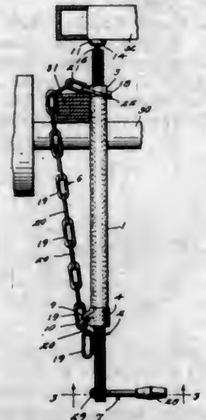
2,188,838

LIFTING JACK

Laban B. Kimbrell, Phoenix, Ariz.

Application June 20, 1939, Serial No. 280,194

2 Claims. (Cl. 254—100)



2. In a lifting jack, a pair of spaced aligned collars formed with internal threads, a tubular carrier for, arranged between and having its ends connected to said collars, a rotatable lifting screw extending through said carrier and collars and threadedly engaging with the threads of the collars, a slidable ring encompassing said carrier, a stop lug on one of said collars for arresting the sliding movement of said ring, a chain connected at one end to said ring whereby the chain is coupled with the carrier, and a latching member on said other collar and coacting with parts of the chain for connecting the other end of the latter with said carrier.

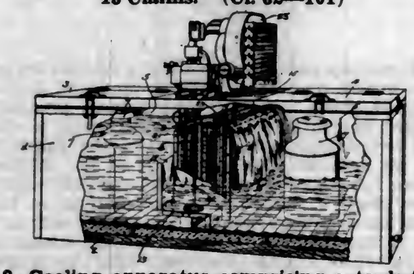
2,188,839

MILK COOLER

Richard Markley, Jr., Smyrna, and William A. Cook, Wilmington, Del., assignors to Wilson Cabinet Corporation, Smyrna Del., a corporation of Delaware

Application April 30, 1937, Serial No. 140,042

13 Claims. (Cl. 62—101)



2. Cooling apparatus comprising a tank for a liquid cooling medium, said tank having a plurality of main compartments and a separate compartment having communication by overflow with said main compartments, cooling means in the said separate compartment for said liquid, and means for transferring the liquid from one main compartment to another for subsequent return to the first of said compartments by overflow through the said separate compartment.

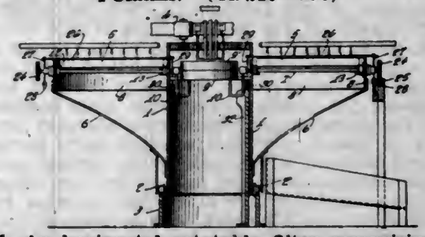
2,188,840

HORIZONTAL ROTARY FILTER

John B. McCue, Morgantown, W. Va.

Application May 13, 1938, Serial No. 207,651

4 Claims. (Cl. 210—196)



1. An horizontal rotatable filter comprising a central rotatable support vertically disposed upon a circular track, a circumferential rim spaced therefrom, hollow radial shafts journalled between the central support and between the rim, separate filter beds mounted on the shafts, and fluid conduits leading from the filter beds and mounted within the interior of their respective hollow shafts.

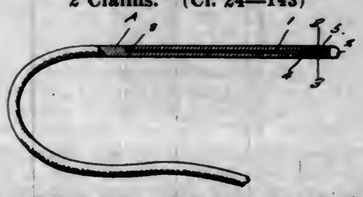
2,188,841

SHOELACE

Donald B. McDonald, Quitman, Ga.

Application June 5, 1939, Serial No. 277,535

2 Claims. (Cl. 24—143)



1. A stiffening member for an end of a lace comprising an elongated member, slightly resilient, and having a head at one end with the member tapering from said head to its other end, said other end being bent upon itself, the head forming a tip for said end of the lace, a collar formed on the member and slightly spaced from the head and means for fastening that part of the lace between the collar and the head to that portion of the member between the collar and the head.

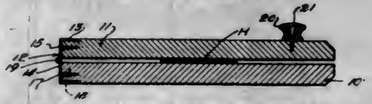
2,188,842

HAMBURGER SHAPING DEVICE

Clarence Donald Newland, Coulee Dam, Wash.

Application August 24, 1938, Serial No. 226,592

4 Claims. (Cl. 107—15)



1. A patty shaping device comprising a horizontally disposed rectangular freely movable base member having a flat uninterrupted upper face, a rectangular compressing member disposed in superposed relation with respect to said other member formed with a flat uninterrupted lower face, said compressing member normally inclined downwardly with respect to the horizontal, hav-

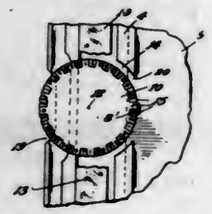
ing its outer end terminal portion of its lower face normally seated upon the outer end terminal portion of the upper face of the base member and the remaining portion of its lower face permanently spaced from the remaining portion of the upper face of the base member, said members corresponding in width and length, and a structure for hinging said members together, said structure having respectively inner endwise aligned vertical parts secured against the inner end edges of and disposed in extended relation with respect to the opposed faces of said members, other coacting connected parts carried by the aligned inner ends of the vertical parts and spaced outwardly from the inner ends of said members for hinging said inner ends together and for permanently maintaining the said inner ends in spaced relation and other parts carried by and disposed at an angle to the vertical parts countersunk in the upper face of the compressing member and lower face of the base member and secured to said members, and a vertical knob extending from the upper face of said compressing member in proximity to the outer end of the latter.

2,188,843

NUMBERING DEVICE FOR PHOTOGRAPHIC FILMS

George D. Pappajion, Danielson, Conn.

Application September 20, 1938, Serial No. 230,892
7 Claims. (Cl. 95—1.1)



1. A film-holding frame having side and end bars, one end bar being formed with a pocket open at its inner and outer ends and the inner edge portion of the side bar being formed with a recess communicating with the pocket, and a pair of disks in said pocket rotatably carried by the end bar with their corresponding outer peripheral portions projecting from the outer edge of the end bar and their other peripheral portions exposed through the recess, said disks having their peripheral portions provided with characters adapted to be transferred to a film in the frame and overlapped at one end by the inner peripheral portions of the disk.

2,188,844

BEDPAN CUSHION

Thomas Edward Pedersen, New York, N. Y.

Application February 8, 1939, Serial No. 255,309
1 Claim. (Cl. 4—113)



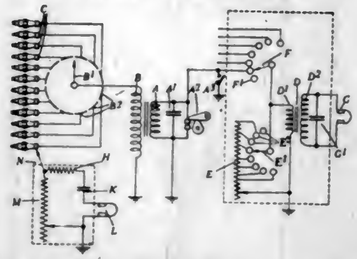
A bedpan cushion of the character described comprising a soft rubber pad having an upper surface of convex transverse cross section, said pad being adapted to be mounted on the seat flange of a bedpan, an integral apron depending from the outer portion of the pad adjacent the walls of the bedpan, and an inturned lip of comparatively hard rubber integral with the inner portion of the pad and engageable beneath the seat flange, said lip and the apron constituting means for detachably securing the pad in position on the seat flange.

2,188,845

MEANS FOR TESTING THE ELECTRICAL IGNITION SYSTEMS OF INTERNAL COMBUSTION ENGINES

Frank Raymond Faber Ramsay, London, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain

Application April 6, 1938, Serial No. 200,548
In Great Britain April 10, 1937
13 Claims. (Cl. 175—183)



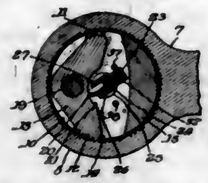
1. Apparatus for testing ignition systems of internal combustion engines comprising a telephone receiver, means whereby the telephone receiver can be coupled to the ignition apparatus so as to receive impulses and give indications corresponding to the impulses delivered to the sparking plugs, and means for progressively reducing the intensity of the latter impulses.

2,188,846

RATCHET DEVICE

Theodore O. Rueb, Chicago, Ill., assignor to The Sherman-Klove Co., Chicago, Ill., a corporation of Delaware

Application October 14, 1938, Serial No. 235,003
5 Claims. (Cl. 192—43.1)



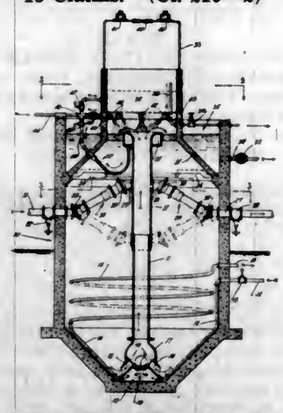
1. A ratchet device comprising a driving member, a driven member rotatably mounted in the driving member, a double ended pawl pivotally mounted in the driven member adjacent to one side thereof and having teeth in the opposite ends, an annular series of teeth in the driving member for engagement with the respective ends of the pawl, a shaft rotatably mounted in the driven member and co-axial therewith, a transverse socket mounted in the shaft, a plunger in said socket, a spring coacting with the socket and plunger and serving to press the plunger against an adjacent curved surface in the pawl for swinging the pawl, means for manually rotating the shaft, and means for limiting the rotative movement thereof whereby the plunger will coact with one or the other end of the pawl when swung to operative position.

2,188,847

APPARATUS FOR AND METHOD OF TREATING SEWAGE SLUDGE AND THE LIKE

Philip B. Streander, Maplewood, N. J., assignor to Municipal Sanitary Service Corporation, New York, N. Y., a corporation of New York

Application March 12, 1936, Serial No. 68,409
15 Claims. (Cl. 210—2)



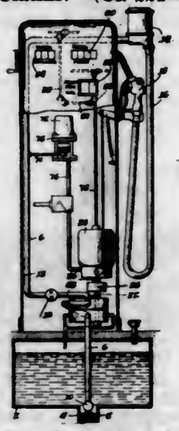
1. In an apparatus of the class described, the combination with a tank, of a draft tube to assist in circulation of liquid in the tank and having a stationary lower end, means controlled by variations in level of liquid in the tank for varying the position of the top of the draft tube accordingly, and means for circulating liquid through the draft tube.

2,188,848

COMPUTING DISPENSING DEVICE

Ernest J. Svenson, Rockford, Ill., assignor to Petrolator Corporation, Chicago, Ill., a corporation of Illinois

Application July 21, 1937, Serial No. 154,690
9 Claims. (Cl. 221—95)



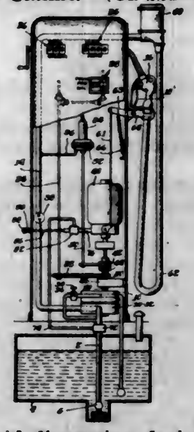
1. In a gasoline dispensing device the combination of a reservoir forming a source of liquid supply, a flow line connected to said reservoir, including a dispensing valve, a meter pump disposed in said flow line, a prime mover for driving said meter pump, and auxiliary pump means connected to said flow line in advance of said meter pump for delivering to the meter pump liquid in an amount at least equal to the volumetric delivery of said meter pump, said auxiliary pump also being driven by said prime mover whereby to correlate the speeds of said meter pump and auxiliary pump.

2,188,849

COMPUTING DISPENSING DEVICE

Ernest J. Svenson, Rockford, Ill., assignor to Petrolator Corporation, Chicago, Ill., a corporation of Illinois

Application July 23, 1937, Serial No. 155,265
7 Claims. (Cl. 221—95)



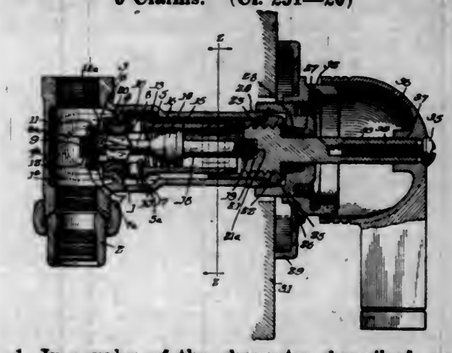
1. In a liquid dispensing device, the combination of a reservoir forming a source of liquid supply, a flow line connected to the reservoir, a meter pump in said flow line, a prime mover for driving said meter pump, registering mechanism operated synchronously with the meter pump, a second pump connected to the flow line at the inlet end of the meter pump, said second pump being connected to said prime mover and driven thereby whenever the meter pump is driven, and a restricted orifice in the connection between the flow line and said second pump for continuously eliminating entrained air from the liquid flowing to the meter pump, said second pump having its discharge connected to the reservoir.

2,188,850

VALVE

Roy H. Zinkil, Oak Park, Edward A. Fredrickson and Joseph M. Kovarik, Jr., Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application February 26, 1937, Serial No. 127,832
6 Claims. (Cl. 251—20)



1. In a valve of the character described, com-

prising a casing having respective inlet and outlet openings, a flat seated valve closure member therefor, the said outlet openings being laterally positioned relative to the said closure member, wing-guided actuating means for the said closure member positioned between the said inlet and the said laterally positioned outlet openings the said actuating means having respective reduced portions above and below the said wing-guided means for the said closure member, a seat for the said closure member, the said seat being slightly flared immediately adjacent to the contact face of the said closure member.

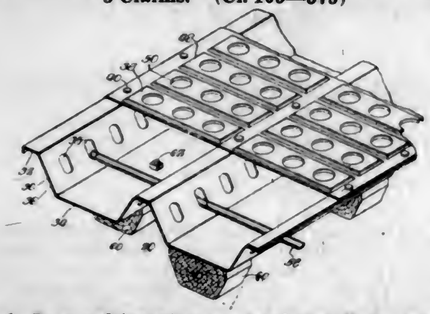
2,188,851

REFRIGERATOR CAR FLOOR RACK

Charles David Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application December 20, 1937, Serial No. 180,705

5 Claims. (Cl. 105—375)



1. In a refrigerator car having a floor, a rack for supporting a lading in spaced relation to said floor to provide a flue therebetween and means to induce an air current in said flue, said rack comprising a metallic plate formed with upper portions and lower portions in spaced apart substantially parallel planes connected by perforated webs to provide flues below the upper portions and above the lower portions extending in the direction of the movement of said air current, and a foraminous floor extending between said upper portions and secured thereto.

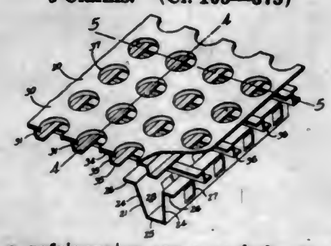
2,188,852

FLOOR RACK FOR REFRIGERATOR CARS

Charles David Bonsall, Pittsburgh, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Original application March 3, 1938, Serial No. 193,742. Divided and this application May 25, 1939, Serial No. 275,657

6 Claims. (Cl. 105—375)



1. In a refrigerator car a rack for providing a space between a lading and the floor of the car and means to induce an air current in said space, said rack comprising a plurality of spaced apart stringers resting upon the floor of the car and supporting a plurality of spaced apart beams extending normally to said stringers and a foraminous metallic sheet supported by said beams and provided with a plurality of stiffeners extending normally to said beams.

2,188,853

PISTON ROD TESTING APPARATUS

Tracy V. Buckwalter, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 17, 1938, Serial No. 235,427

6 Claims. (Cl. 73—51)



1. A machine for testing locomotive piston rods and the like, comprising a frame stationary heads rigidly secured to said frame and each adapted to pivotally support one end of a piston rod, said rods being in endwise alinement with their adjacent ends slightly spaced apart, jaw members adapted to be rigidly secured to said adjacent ends of said rods, a pin for pivotally securing said jaws together and means for giving said jaws a reciprocating movement.

2,188,854

OIL SEAL

William J. Chievitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 15, 1937, Serial No. 169,096

5 Claims. (Cl. 288—3)



1. A sealing ring comprising a metal ring of Z-shape section, rings of elastic material in the angles between the barrel of the metal ring and the flanges at its respective ends, rawhide or like sealing rings of angular section next to the periphery and free ends of the respective rings of elastic material with their flat sides extending past the barrel of the Z-shaped ring, locking rings next to said rawhide rings and means for clamping said locking rings together.

2,188,855

OIL SEAL

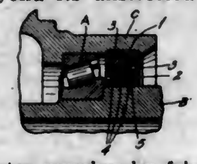
William J. Chievitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application October 18, 1937, Serial No. 169,555

3 Claims. (Cl. 288—19)

1. The combination with two members having

concentric surfaces, one of said members being rotatable, of a sealing device therefor, said device consisting of a thick and radially wide ring of elastic material which has an annular groove in the bore thereof and annular grooves in its opposite faces at different distances from the axis of the ring and with their inner end portions overlapping, the outer portion of the ring being contracted beyond its unstressed diameter and



held to the outer member by frictional engagement therewith and the inner portion of the ring being expanded beyond its unstressed diameter and making a sliding contact with the inner member, and the portion of the ring radially between said face grooves being free to flex transversely of said face grooves to afford freedom for limited relative movement of the inner and outer portions of the ring.

2,188,856

OIL OR DUST FLINGER FOR BEARINGS

William J. Chievitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application November 26, 1937, Serial No. 176,520

4 Claims. (Cl. 286—5)



1. A deflector of the kind described comprising two concentric annular disks secured together with their body portions spaced apart, one of said disks having its main body portion imperforate and having a hub portion adapted for mounting on a shaft and the other disk surrounding said hub portion and having a flaring portion overlapping the outer margin of said first-mentioned disk and with its inner margin spaced outwardly with relation to the hub portion of said first-mentioned disk to admit air between them.

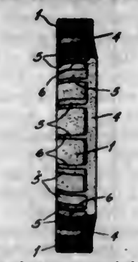
2,188,857

OIL SEAL

William J. Chievitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application December 27, 1937, Serial No. 181,828

6 Claims. (Cl. 288—19)



1. A sealing device comprising a ring of elastic material having an inwardly extending annular flange, said flange having axially elongated and circumferentially thin flexible fingers which are spaced apart on the inner margin of a side face thereof and are clear of the body portion of the ring.

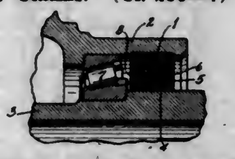
2,188,858

OIL SEAL

William J. Chievitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application January 8, 1938, Serial No. 183,983

7 Claims. (Cl. 286—7)



1. The combination with relatively rotatable inner and outer members, of a sealing device therefor, said sealing device comprising a ring mounted in said outer member and a helical coil mounted in said ring and having a tight frictional grip on said inner member and having its opposite ends loosely anchored in said ring, whereby said coil is adapted upon relative rotation of said members to unwind slightly, thereby relieving the tight fit of said coil on said inner member and thus permitting independent rotation of said members.

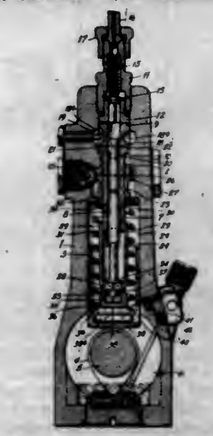
2,188,859

FUEL INJECTION PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

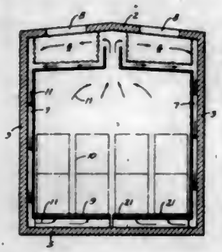
Application March 25, 1936, Serial No. 70,805

7 Claims. (Cl. 103—154)



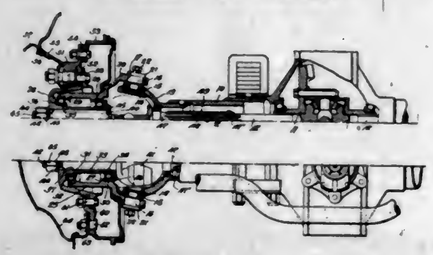
2. A fuel injection pump comprising a housing, a piston reciprocable in said housing, a tappet cup surrounding one end of said piston, a tappet for actuating said tappet cup, a member secured to said end of said piston against movement axially thereof and for engagement with and disengagement from said piston transversely thereof, and a second member interposed between said removable member and the bottom of said tappet cup, said tappet cup and said housing having cooperating side openings therein through which said second member is adapted to be inserted in and removed from said tappet cup and said housing.

2,188,860
REFRIGERATOR CAR FLOOR RACK
Garth G. Gilpin, Riverside, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1939, Serial No. 268,742
5 Claims. (Cl. 105—375)



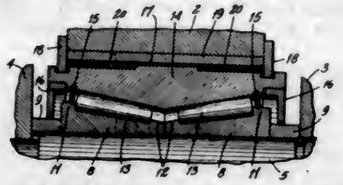
1. In a refrigerator car, the combination of a foraminous rack for supporting a lading above the floor and means associated with the side walls of the car to induce an air current in the space below said rack, said rack comprising means to divide said space into a plurality of ducts communicating with said first mentioned means, and spaced apart slats extending transversely of the car to retard movement of the lading toward the end walls of the car.

2,188,861
DRIVEN STEERING WHEEL AXLE STRUCTURE
Arthur W. Herrington, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application April 7, 1938, Serial No. 200,625
1 Claim. (Cl. 180—43)



Driven steering-wheel axle structure comprising a main axle housing, a differential gearing journalled therein and having oppositely extending shaft sections, a wheel-supporting swinging axle extension trunnioned on each end of the main housing and provided at its outer end with a sleeve having internal bearing pockets, a wheel-carrying cup having an axial sleeve projected axially into each of said first-mentioned sleeves, bearings interposed between each cup-sleeve and its companion axle-extension sleeve, a universal-joint structure mounted within the housing at each trunnion and comprising oppositely-extending shaft sections one projected into the main housing with its end adjacent and rotatively connected to the outer end of a shaft of the differential and one projecting through and splined in the sleeve of the adjacent wheel-carrying cup with its outer end threaded, a nut on each of said threaded ends to engage the adjacent cup, and a companion spring interposed between each shaft of the differential and the adjacent joint-shaft.

2,188,862
LOCOMOTIVE VALVE GEAR BEARING
Oscar J. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application July 14, 1938, Serial No. 219,128
1 Claim. (Cl. 308—184)



In a roller bearing mounting, a cylindrical sleeve, a bearing cup therein having a circumferential rib near the middle of its outer surface, the space between said rib and said sleeve being less than the space between said sleeve and any other portion of said cup and elastic rings filling the spaces between the end portions of said cup and the end portions of said sleeve, the ends of said cup having circumferential grooves and retaining rings of smaller width than said grooves disposed in said grooves, whereby the elastic rings are largely relieved of end thrust and endwise movement of said bearing cup is limited by said retaining rings.

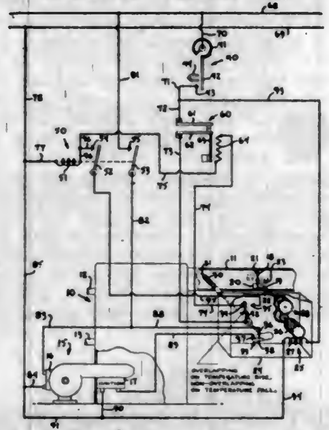
2,188,863
GREASE AND METHOD OF MAKING THE SAME
Samuel Edward Jolly, Prospect Park, and Wesley McIlveen McKee, Bortondale, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application September 5, 1936, Serial No. 99,642
11 Claims. (Cl. 87—9)

1. A substantially anhydrous lubricating grease comprising a lubricating oil, and a substantial quantity of oil-soluble soap of water insoluble saponifiable materials boiling only above about 225° C. at 4 mm. pressure produced by the partial liquid phase oxidation of aliphatic petroleum hydrocarbons and substantially free of soaps of such saponifiable materials boiling below about 225° C. at 4 mm. pressure.

2,188,864
GREASE AND METHOD OF MAKING THE SAME
Samuel Edward Jolly, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application August 13, 1938, Serial No. 224,727
5 Claims. (Cl. 87—9)

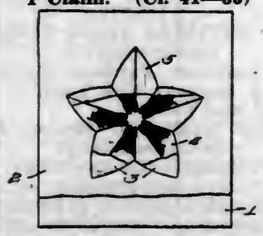
1. A substantially anhydrous block grease having an A. S. T. M. penetration of at most 90 at 77° F. comprising a lubricating oil having a flash point in excess of 400° F. and a mixture of soaps of one or more high fatty acids of vegetable or animal origin and of water-insoluble saponifiable materials produced by the partial liquid phase oxidation of aliphatic petroleum hydrocarbons, said mixture of soaps forming not less than 25% and not more than 55% of the finished grease, the fatty acid soap content being not less than 15% and not more than 45% of the finished grease, the oxidation product soap content being not less than 10% and not more than 40% of the finished grease, and at least 60% of the total soap content being sodium soap.

2,188,865
FURNACE CONTROL SYSTEM
Meade J. Maynard, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 23, 1937, Serial No. 181,375
5 Claims. (Cl. 158—28)



1. In a temperature control system in combination fuel burning means comprising a combustion chamber, means for controlling said fuel burning means including a first electrical switching means, fuel igniting means controlled by said first electrical switching means, draft control means controlled by said first electrical switching means for normally permitting draft through said combustion chamber only when fuel is being supplied to said fuel burning means, and safety means including a device indicative of the presence or absence of combustion in said combustion chamber, said safety means being operable to terminate the supply of fuel and deenergize the fuel igniting means in the absence of combustion in the combustion chamber while fuel is being supplied, said draft control means being independent of the said safety means whereby if said last mentioned means terminates the supply of fuel and deenergizes the fuel igniting means, draft through the combustion chamber is continued for scavenging it of combustible gases and said safety means comprising a switch operable to open only in the event of absence of combustion in the combustion chamber for a predetermined time while fuel is being supplied thereto.

2,188,866
RUBBER TRANSFER OR DECALCOMANIA
Alfred B. Pöschel, Chicago, Ill., assignor to Meyercord Company, a corporation of Illinois
Application June 1, 1936, Serial No. 82,824
1 Claim. (Cl. 41—33)

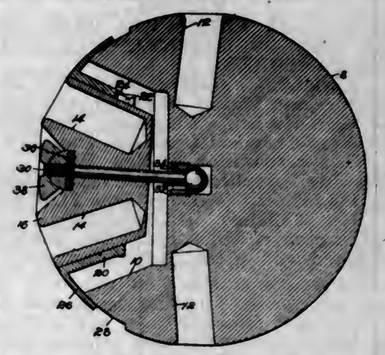


A transfer comprising a carrier, a layer of water soluble material upon said carrier, and a thin elastic film of rubber overlying said layer of water soluble material, said film comprising a plurality of layers one of which contains a thermo-adhesive material.

2,188,867
SYNTHETIC RUBBER INK
Alfred B. Pöschel, Chicago, Ill., assignor to Meyercord Company, a corporation of Illinois
No Drawing. Application April 30, 1938, Serial No. 205,252
2 Claims. (Cl. 260—32)

1. An intaglio printing ink of low viscosity and drying rapidly by evaporation, comprising synthetic rubber-like material of polymerized 2-chloro-butadiene (1:3) dispersed in a solvent mixture of about equal parts of methyl-isobutyl-ketone and xylol, finely dispersed zinc oxide, magnesium oxide, abietic acid (rosin) beta-naphtylamine, resinous oil (coal tar distillate) and coloring matter.

2,188,868
BOWLER'S GRIP BALL
Henry B. Shepard, Newton, Mass., assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass., a corporation of Massachusetts
Application June 6, 1939, Serial No. 277,633
14 Claims. (Cl. 33—174)

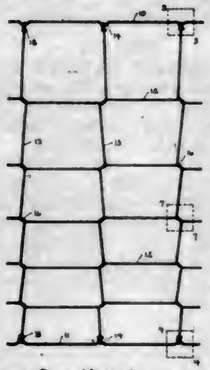


1. A grip ball comprising a portion having a finger-receiving bore therein and a portion having a thumb-receiving bore therein, the two portions being mounted for relative movement under the pressure of the finger and thumb received in the bores to permit the openings to be positioned at different distances, and means accessible from the exterior of the ball for clamping the portions in adjusted position.

2,188,869
WIRE FENCE
William H. Sommer, Peoria, Ill., assignor to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill., a corporation of Illinois
Application July 29, 1938, Serial No. 221,937
7 Claims. (Cl. 245—8)

1. A wire fence comprising marginal wires, intermediate line wires and spaced separate and individual continuous one piece stay wires connecting the opposite marginal wires and each of the intermediate line wires, each marginal wire having correspondingly spaced crimps directed toward the opposite marginal wire and body of the fence and arranged to receive and seat the terminal end of an individual stay wire, and each stay wire having its terminal ends looped around

a marginal wire and seated within a crimped portion and its ends connected with the body of the stay wire, such crimps having portions diverging from its seat and extending outwardly from adjacent a stay wire and merging into the mar-



ginal wire to confine the stay wire from sidewise movement along the marginal wire, and the body portions of each stay wire where they intersect an intermediate line wire being twisted therewith in an off-set tension curve.

2,188,870

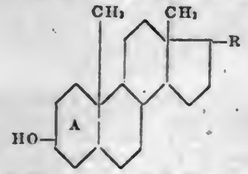
PROCESS OF PREPARING DERIVATIVES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE

Max Bockmühl, Gustav Ehrhart, Heinrich Ruschig, and Walter Aumüller, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 7, 1937, Serial No. 146,958. In Germany June 11, 1936

3 Claims. (Cl. 260—397)

1. The process which comprises transforming a saturated acid of the general formula



wherein R stands for a member of the group consisting of

by means of the Curtius degradation method into the corresponding amine, oxidizing the 3-hydroxyl group into the keto group with the aid of an oxidizing agent and producing a double bond in ring A of the compound by a treatment with a halogenating agent and a subsequent treatment with an agent splitting off halogenhalide.

2,188,871

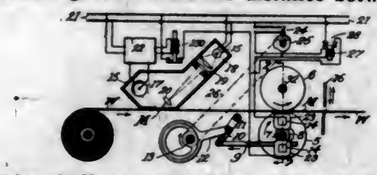
REGISTERING DEVICE FOR STRIP MATERIAL

William C. Broekhuysen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application April 21, 1937, Serial No. 138,082

15 Claims. (Cl. 271—2.6)

1. A web registering device for registering relative to an operating position, a web having recurrent indicia thereon and carrying registering instrumentalities in fixed relation to said indicia, comprising means to operate upon the web at predetermined constant intervals mechanism for intermittently over-feeding the web in a forward direction, preliminary to each operation a distance greater than the distance between suc-



cessive indicia, a detector arranged to detect said instrumentalities as they pass a predetermined point during the forward movement of the web, and means controlled by said detector for moving the web backward between forwarding movements, after every operation, an amount substantially equal to the over-feed of said strip during the preceding forwarding movement.

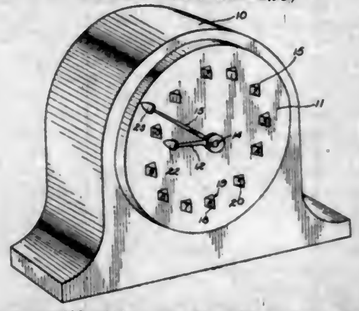
2,188,872

MULTIPLE VISION CLOCK

Anthony E. Carlson, Los Angeles, Calif., assignor by Decree of Court to Edna L. Carlson

Application October 5, 1936, Serial No. 104,093

7 Claims. (Cl. 58—126)



1. In a multi-vision clock of the character described for indicating time at low angles of vision, the combination of: a face; a plurality of bodies projecting forwardly from said face, said bodies being disposed in spaced relation so that the spacing thereof will represent intervals of time, and said bodies each having a pair of oppositely presented indicia of time thereon; and a pair of hands supported so as to move relative to said bodies whereby the positions of said hands relative to said bodies will indicate time, said hands having enlargements on the end portions thereof disposed so as to be visible along a low angle of vision relative to said clock face.

2,188,873

MAKING ARTICLES FROM POWDERED COMPONENTS

Gregory J. Comstock, Fairfield, Conn., assignor to Handy & Harman, New York, N. Y., a corporation of New York

No Drawing. Application January 10, 1938, Serial No. 184,235

11 Claims. (Cl. 29—160.5)

1. In a method of making sheet, strip, rod and other articles from a mixture of powders consisting of a noble metal component and a minor component, wherein the noble metal component

is at least about 40 per cent of the whole, and wherein the powders are mixed until the components are evenly distributed and wherein the mixture is compressed to form a billet, the procedure for producing a wrought article which includes successively heat-treating the billet and working by mechanical deformation intermediate successive heat-treatments, to cause adherence of the metallic particles into a network form in the final wrought article, said heat-treating and working procedure at least comprising first heating the unworked compressed billet to cause the metallic particles to adhere one to another, then working the billet with substantial mechanical deformation thereof, and then heating the deformed billet to cause further adherence of the metallic particles one to another, and at least said first and second heating steps consisting, in each instance, of heat treatment below the melting point of the lowest melting component but at a temperature, not lower than about 10% below the melting point of the lowest melting component in degrees Fahrenheit, for promoting the welding of the metallic particles together without substantial solution or alloying of any component in or with another.

2,188,874

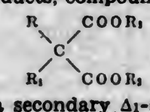
SECONDARY Δ_1-ALKENYL MALONIC ESTERS AND PROCESS OF PRODUCING SAME

Arthur C. Cope, Bryn Mawr, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application October 15, 1936, Serial No. 105,820

15 Claims. (Cl. 260—485)

1. As new products, compounds of the formula



in which R is a secondary Δ_1-alkenyl group, R_1 is a radical selected from the class consisting of alkyl and aralkyl radicals having at least two carbon atoms, and R_2 is alkyl.

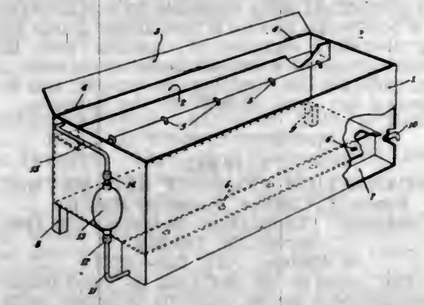
2,188,875

PLANT BOX

Carleton Ellis, Montclair, N. J., assignor to Ellis Laboratories, Inc., a corporation of New Jersey

Application April 20, 1938, Serial No. 203,048

2 Claims. (Cl. 47—1.2)



1. A plant box comprising a plant-propagating compartment containing a plant-supporting medium of mineral aggregate, a nutrient-solution reservoir having a plurality of individual tubular capillary drains and built into said compartment; said reservoir being located above said aggregate and said drains projecting beneath the surface of said aggregate; and a support for said compartment comprising a nutrient-solution sump.

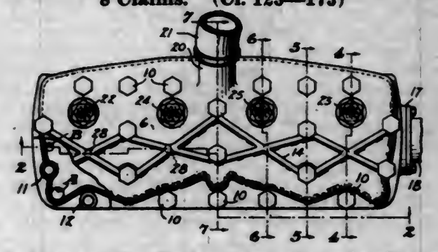
2,188,876

METHOD OF COOLING INTERNAL COMBUSTION ENGINE AND CYLINDER HEAD FOR SAME

Everett G. Fahlman, Rocky River, Ohio, assignor to The Permold Company, Cleveland, Ohio, a corporation of Ohio

Application January 22, 1938, Serial No. 186,387

8 Claims. (Cl. 123—173)



4. In a multi-cylinder internal combustion engine having a cooling liquid jacket in an engine block, a chambered cylinder head overlying a plurality of cylinders and having top and bottom walls, and means for circulating a liquid coolant therethrough, the combination of a cooling liquid intake in the jacket of the block to receive fresh coolant, a cooling liquid outlet in the cylinder head, and inlet openings into the cylinder head chamber communicating with the cooling liquid jacket, said chamber overlying a plurality of combustion chambers and having a plurality of members extending therethrough between the top and bottom walls of the cylinder head, said bottom wall including a plurality of combustion faces, each overlying a combustion chamber and having a hot region of relatively small area and a relatively cool region of greater area than the hot region, sockets in some of the members for receiving ignition devices, each said socketed member positioned at a hot region, means associated with the portions of the cooling chamber overlying the relatively cool regions to restrict the relative flow of cooling liquid over such portions and increase the relative flow of cooling liquid over the hot region, said means comprising a top wall of the chamber positioned in relatively close proximity to the bottom wall of the chamber to provide a relatively shallow liquid passage having an increased frictional resistance to the flow of liquid coolant therethrough, inlet openings of relatively small area for admitting liquid coolant to the chamber to flow over cool regions and of relatively large area for admitting liquid coolant to the chamber to flow over hot regions, and the inlet remote from the intake of relatively larger area than those adjacent thereto.

2,188,877

TEMPERATURE CONTROL SYSTEM

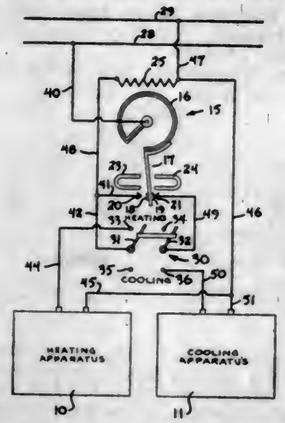
John P. Kriechbaum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 2, 1937, Serial No. 167,032

2 Claims. (Cl. 257—3)

1. In a temperature control system, electrically controlled heating apparatus and cooling apparatus, a thermostatic switch movable between hot and cold contacts, an auxiliary electrical

heater located adjacent to said thermostatic switch, a source of power, connections between said auxiliary heater and said source of power including said thermostatic switch and its cold contact, connections between said heating apparatus and said source of power including said cold contacts and in parallel with said auxiliary heater, connections between said cooling appa-



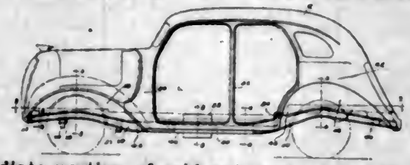
ratus and said source of power including said hot contact, a first switch in the connections of said heating apparatus to the source of power parallel to said auxiliary heater, a second switch in the connections of said cooling apparatus to said source of power, and means associated with said first and second switches for selectively opening either switch and simultaneously closing the other.

2,188,878
PROCESS OF PREPARING CRYSTALLIZED DERIVATIVES OF THE VITAMIN E
Carl Ludwig Lautenschlager and Fritz Lindner, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 1, 1936, Serial No. 113,724. In Germany December 4, 1935
3 Claims. (Cl. 260—482)

1. A process which comprises treating a raw concentrate of vitamin E with cyanuric acid, drying the solution thus obtained, dissolving the dry substance in an organic solvent, causing an adsorbing agent to act upon this solution and eluting the adsorbed substance by another organic solvent.

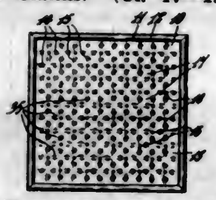
2,188,879
VEHICLE UNDERFRAME CONSTRUCTION
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 6, 1937, Serial No. 167,528 Renewed October 10, 1939
8 Claims. (Cl. 280—106)

1. A combined body and chassis side sill comprising a flat vertical web extending from end to end of the chassis and conforming in plan to the contour of the lower margin of the body side wall, hollow outwardly presenting reinforcements secured to said web in the end regions thereof to form box section structures therewith, said reinforcements being separated from each other in an intermediate region, a body side wall having a threshold portion of inwardly presenting hollow section overlapping the outer face of the inter-



mediate portion of said web and secured thereto to form a box section structure therewith.

2,188,880
TRAY FOR THE GERMINATION OF SEEDS
William Albert Lewis, Stockton-on-Tees, and Vivian de Courcy Dashwood, London, England, assignors to Intensive Cultivations Company, London, England, a British company
Application September 17, 1937, Serial No. 164,292 In Great Britain September 21, 1936
6 Claims. (Cl. 47—1.2)



1. In a soilless seed germination cabinet, a liquid retaining and distributing tray comprising a bed provided with a plurality of overflow orifices disposed at a predetermined height above and distributed throughout said bed and spaced concavities arranged around said orifices with adjacent concavities intercommunicating one with the other.

2,188,881
PRODUCTION OF THE MALE SEXUAL HORMONE
Adolf Butenandt, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application April 21, 1938, Serial No. 203,466. In Germany October 23, 1931
21 Claims. (Cl. 260—397)

1. The method of isolating a male sex hormone which comprises subjecting an oily starting material containing such hormone to condensation with a compound having a free amino group and being therefore capable of reacting with the carbonyl group of a ketone under separation of water, isolating the resulting condensate, and decomposing the same to split off the hormone.

2,188,882
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Fountain Hill, Pa.
No Drawing. Application December 24, 1934, Serial No. 759,086
34 Claims. (Cl. 260—405)

1. The process of forming a condensation product suitable for use in resins, lacquers, paints, varnishes, enamels, metallic coatings, plastic masses, dispersing, wetting and softening agents, and the like, which comprises reacting one of the first group consisting of acyclic olefinic acids having less than ten carbon atoms in their carbon chains, acid anhydrides thereof and esters of both, at the olefinic linkage of one of the second

group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated salts and nonhydroxylated esters thereof, at a temperature in excess of 150° C. and continuing the heating until a substantial quantity of the one of the first-group is combined at an intermediate point in the carbon chain of the one of the second group.

2,188,883
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Fountain Hill, Pa.
No Drawing. Application December 22, 1936, Serial No. 117,243
22 Claims. (Cl. 260—341)

1. The process of forming a condensation product, which comprises reacting one of the first group consisting of maleic acid and its anhydride, compounds which yield the same under the conditions of the reaction, alkyl-substituted maleic acids having less than ten carbon atoms in their carbon chains and maleic esters, at a double bond in the carbon chain of one of the second group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated salts and nonhydroxylated esters thereof, at a temperature in excess of 150° C., the reaction being wholly between the one of the first group and the one of the second group and continuing the heating until a substantial quantity of the one of the first group is combined at an intermediate point in the carbon chain in the one of the second group.

2,188,884
COATING COMPOSITION AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application September 27, 1937, Serial No. 165,900
21 Claims. (Cl. 91—68)

1. The process of coating material which will react with an acid, which comprises applying directly to the material to be coated, the condensation product of an acyclic olefinic acid having less than ten carbon atoms in its carbon chain and a nonconjugated unsaturated nonhydroxylated fatty oil having from ten to twenty-four carbon atoms in the carbon chain, heated together at a temperature in excess of 150° C. with continuance of the heating until a substantial quantity of the acyclic olefinic acid is combined at an intermediate point in the carbon chain in the oil.

2,188,885
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application September 27, 1937, Serial No. 165,898
25 Claims. (Cl. 260—410)

1. The process of forming a condensation product, which comprises reacting an acyclic olefinic acid having less than ten carbon atoms in the carbon chain of one of the group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated salts and nonhydroxylated esters thereof, at a temperature in excess of 150° C. and continuing the heating until a substantial quantity of the acyclic olefinic acid is combined at an intermediate point in the carbon chain of the one of the group, and subsequently reacting the above reaction product with a substance which combined with the acidic group of the olefinic acid.

2,188,886
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application September 26, 1938, Serial No. 231,760
19 Claims. (Cl. 260—414)

1. The process of producing a water-insoluble synthetic material, which comprises condensing an acyclic olefinic acid having less than ten carbon atoms in the carbon chain and one of the group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated salts and nonhydroxylated esters thereof, at a temperature of between 150° and 300° C. and continuing the heating until a substantial quantity of the acyclic olefinic acid is combined at an intermediate point in the carbon chain of the one of the group, and combining an acidic group introduced by the olefinic acid with a metal forming a water-insoluble salt.

2,188,887
OILY DISPERSION MATERIAL
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application September 26, 1938, Serial No. 231,761
16 Claims. (Cl. 134—24)

1. An oily material dispersable in water and of the class consisting of oils, fats and waxes, comprising an oily substance of the class consisting of oils, fats and waxes insoluble in water and a water-soluble derivative of the condensation product of an acyclic olefinic acid having less than ten carbon atoms in its carbon chain, with the carbon chain of one of the group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated salts and nonhydroxylated esters thereof heated together at a temperature of at least 150° C. with continuance of the heating until a substantial quantity of the acyclic olefinic acid is combined at an intermediate point in the carbon chain in the one of the group.

2,188,888
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application October 15, 1938, Serial No. 235,252
20 Claims. (Cl. 260—405)

1. The process of forming a condensation product, which comprises reacting one of the group consisting of acyclic olefinic aldehydes, acyclic olefinic acids, esters of both and alkyl substituted derivatives of both, all having less than ten carbon atoms in their carbon chains, with a nonconjugated unsaturated nonhydroxylated nondrying oil at a temperature in excess of 150° C. and in the presence of not substantially more than enough of said one of the group to saturate the double bond or bonds in the nondrying oil.

2,188,889
CONDENSATION PRODUCT AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application September 26, 1938, Serial No. 231,759
21 Claims. (Cl. 260—414)

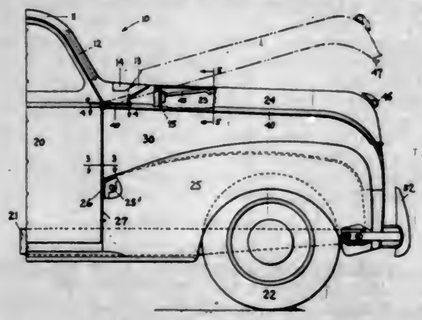
10. A colored synthetic material comprising the

condensation product of an acyclic olefinic acid having less than ten carbon atoms in the carbon chain and one of the group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated soaps thereof and nonhydroxylated esters thereof with mono-hydric, di-hydric and tri-hydric aliphatic alcohols, combined with a basic dyestuff at an acidic group introduced by the olefinic acid.

2,188,890
OLEFINIC CONDENSATION PRODUCT COMBINED WITH A PHENOL AND METHOD
Edwin T. Clocker, Bethlehem, Pa.
No Drawing. Application September 27, 1937, Serial No. 165,899
11 Claims. (Cl. 260—18)

1. The process of forming a condensation product, which comprises reacting with a phenol, the condensation product of one of the first group consisting of acyclic olefinic alcohols, acyclic olefinic aldehydes, acyclic olefinic acids and esters of these and alkyl derivatives of these, all having less than ten carbon atoms in their carbon chains, at a double bond in the carbon chain of one of the second group consisting of nonconjugated unsaturated nonhydroxylated aliphatic acids having from ten to twenty-four carbon atoms in their carbon chains, nonhydroxylated salts and nonhydroxylated esters thereof.

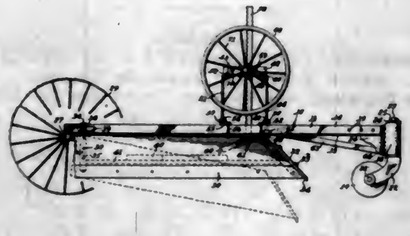
2,188,891
AUTOMOBILE HOOD
Jules Haltenberger, Ann Arbor, Mich.
Application April 28, 1938, Serial No. 204,717
15 Claims. (Cl. 180—69)



1. In an automobile, a body having front doors and forwardly terminating in a cowl, a ventilator shelf formed at the top of said cowl and a ventilator therein, normally stationary hood side walls terminating adjacent to said doors and secured to said cowl, an alligator hood normally in continuation of said shelf and above said walls on said automobile, single hinge means for said hood at substantially the extreme sides of said cowl and masked by said walls, and means to assist the opening of said hood including a torsion spring.

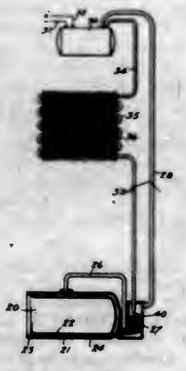
2,188,892
DITCHER
Alvin L. Meyer, Fairfield, Mont.
Application April 7, 1939, Serial No. 266,903
4 Claims. (Cl. 37—98)

1. A ditch digging device comprising a mobile frame, a triangularly shaped plow, said frame having a pair of elongated slots adjacent the rear thereof, a pair of pivot members secured to said plow adjacent the base thereof and slidable in said slots, a link connected at one end to said frame adjacent the forward end thereof, and pivotally connected at the opposite end to the forward end of said plow, a vertically disposed rack bar, means pivotally securing the lower end of said bar to said plow adjacent the forward end



thereof, guide means for said rack bar, means supporting said guide means in upwardly spaced relation to said frame, a shaft journalled through said guide means, a pinion fixed to said shaft and meshing with said rack bar, a hand wheel fixed to said shaft, and means locking said wheel against rotation to thereby maintain the forward end of said plow in selected position relative to the frame.

2,188,893
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application June 4, 1934, Serial No. 728,941
1 Claim. (Cl. 62—115)



In a mechanical refrigerating system, the combination of a refrigerant compressor, an evaporator for evaporating liquid refrigerant in said system, a refrigerant condenser exposed to environment air where its condensing function is influenced by changes in environment temperature, conduit means including an elongated orifice interconnecting the evaporator and condenser in such a manner that liquid refrigerant is stored in part of the condenser and means for interchanging heat between the liquid refrigerant passing through said elongated orifice

and the refrigerant leaving the evaporator to aid in passing liquid refrigerant only to the evaporator.

2,188,894
TRACK STRUCTURE
John Norman Tyler, Woodbury Heights, N. J.
Application June 2, 1938, Serial No. 211,444
1 Claim. (Cl. 238—10)

A roadbed for toy trains wherein the rails constitute electrical conductors, strips of a flexible material non-conductive of electricity on which the rails rest, means for securing the rails to said strips, and transversely disposed tie strips integrally formed with the first named strips and disposed transversely thereof, said last named strips being also of a material non-conductive of electricity, one of said first named strips at one or more points therealong being cut away entirely thereacross between adjacent transverse strips whereby said one of the first named strips is



divided into sections to allow lateral flexing of the roadbed to compensate for curvature of the rails.

DESIGNS

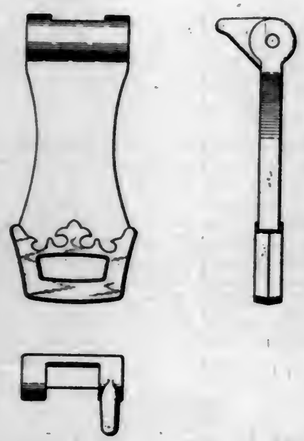
JANUARY 30, 1940

118,692
DESIGN FOR A SHOE
Thomas F. Carfagno, Hanover, Pa., assignor to Cannon Shoe Company, Baltimore, Md., a corporation of Massachusetts
Application March 1, 1939, Serial No. 83,273
Term of patent 3½ years



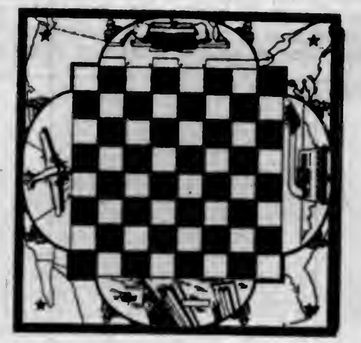
The ornamental design for a shoe, as shown and described.

118,693
DESIGN FOR A PULL FOR A SLIDE FASTENER
John B. Clark, Old Westbury, N. Y., assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware
Application July 12, 1939, Serial No. 85,964
Term of patent 14 years



The ornamental design for a pull for a slide fastener, substantially as shown.

118,694
DESIGN FOR A GAME BOARD
Robert H. Deaderick, Jacksonville, Fla.
Application November 20, 1939, Serial No. 88,379
Term of patent 7 years



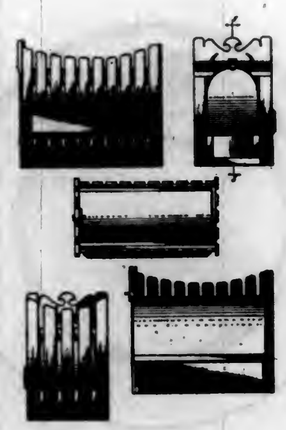
The ornamental design for a game board, as shown.

118,695
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Silvia Dorée, New York, N. Y.
Application December 2, 1939, Serial No. 88,635
Term of patent 7 years



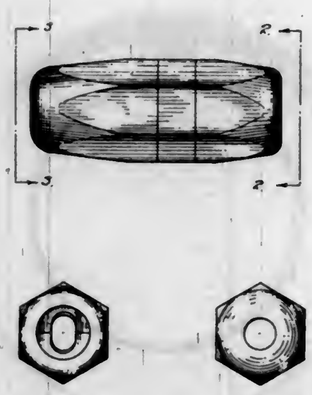
The ornamental design for a slipper or similar article, substantially as shown.

118,696
DESIGN FOR A MAIL BOX
Wilbur B. Driver, East Orange, N. J.
Application November 25, 1939, Serial No. 88,483
Term of patent 14 years



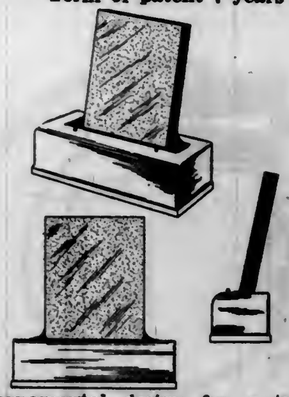
The ornamental design for a mail box, as shown.

118,697
DESIGN FOR A ROPE CLAMP
Clarence C. Gallagher, Detroit, Mich.
Application May 8, 1939, Serial No. 84,864
Term of patent 14 years



The ornamental design for a rope clamp, substantially as shown.

118,698
DESIGN FOR A TRANSPARENCY VIEWER
John Warren Gillon, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 25, 1939, Serial No. 87,845
Term of patent 7 years



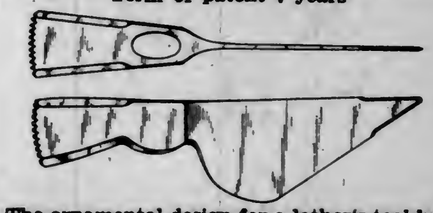
The ornamental design for a transparency viewer, as shown.

118,699
DESIGN FOR A COMIC FIGURE
Paul L. Goodale, University City, Mo.
Application October 30, 1939, Serial No. 87,928
Term of patent 14 years



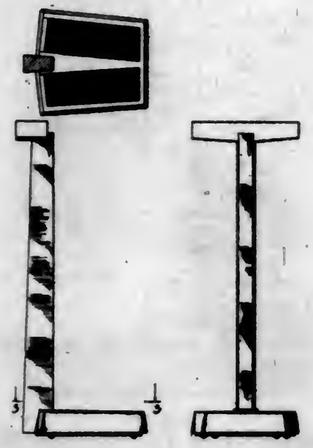
The ornamental design for a comic figure, substantially as shown.

118,700
DESIGN FOR A LATHER'S TOOL HEAD
Charles F. Griffith, Merion, Pa.
Application August 23, 1939, Serial No. 86,856
Term of patent 7 years



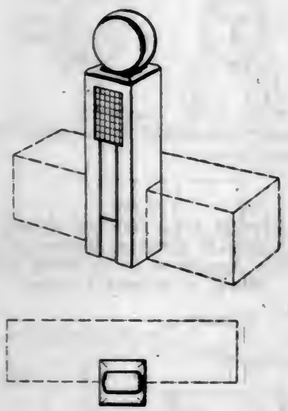
The ornamental design for a lather's tool head, substantially as shown.

118,701
DESIGN FOR A SCALE CASING
Robert Heller, New York, N. Y., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y., a corporation of New York
Application September 21, 1939, Serial No. 87,319
Term of patent 7 years



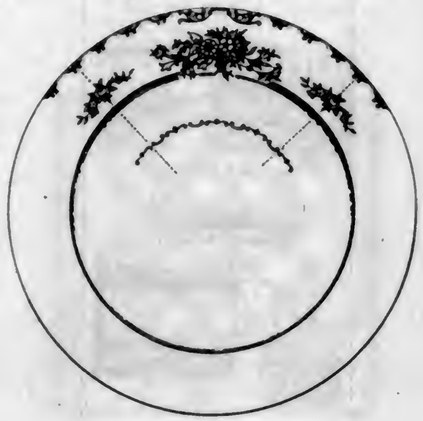
The ornamental design for a scale casing, as shown.

118,702
DESIGN FOR A SERVICE STATION
Theodore H. Joseph, Mamaroneck, N. Y.
Application June 1, 1939, Serial No. 85,279
Term of patent 3½ years



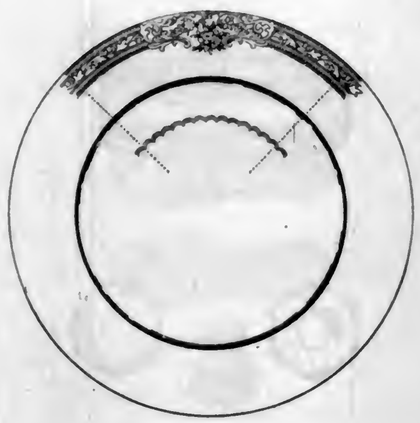
The ornamental design for a service station, substantially as shown and described.

118,703
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. N. Y., a corporation of Japan
Application November 30, 1939, Serial No. 88,581
Term of patent 7 years



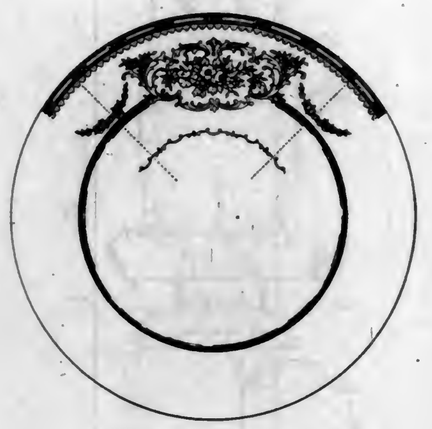
The ornamental design for a plate or similar article, as shown and described.

118,704
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application December 6, 1939, Serial No. 88,716
Term of patent 7 years



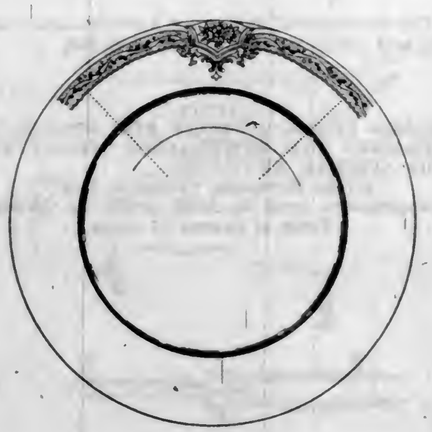
The ornamental design for a plate or similar article, as shown and described.

118,705
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application December 6, 1939, Serial No. 88,717
Term of patent 7 years



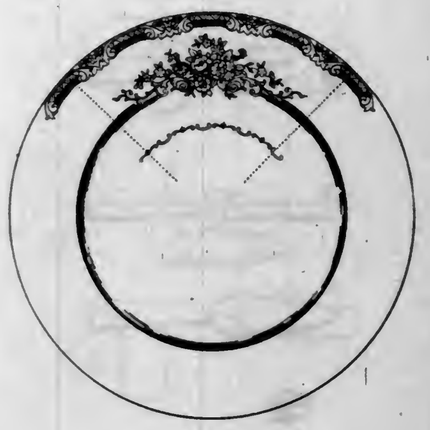
The ornamental design for a plate or similar article, as shown and described.

118,706
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application December 6, 1939, Serial No. 88,718
Term of patent 7 years



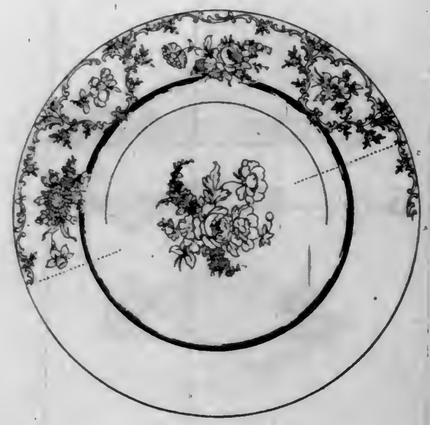
The ornamental design for a plate or similar article, as shown and described.

118,707
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application December 6, 1939, Serial No. 88,719
Term of patent 7 years



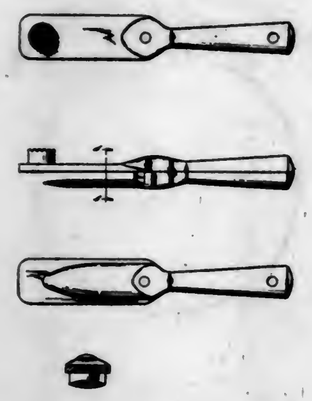
The ornamental design for a plate or similar article, as shown and described.

118,708
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application December 6, 1939, Serial No. 88,720
Term of patent 7 years



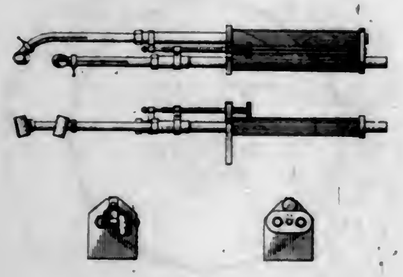
The ornamental design for a plate or similar article, as shown and described.

118,709
DESIGN FOR A PAPER BOX OPENER OR THE LIKE
Edgar T. Myers, Livingston, Tenn.
Application November 7, 1939, Serial No. 88,118
Term of patent 14 years



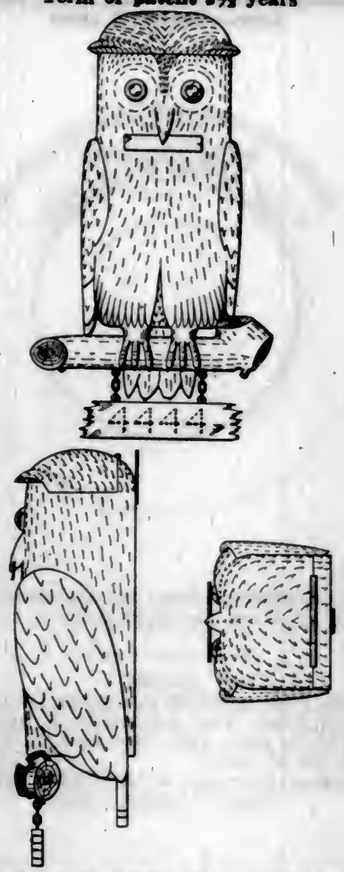
The ornamental design for a paper box opener globe or similar article, as shown.

118,710
DESIGN FOR CARBON HOLDER FOR ELECTRIC ARC WELDING DEVICE
Clayton P. Nielsen, Chicago, Ill.
Application December 4, 1939, Serial No. 88,668
Term of patent 14 years



The ornamental design for carbon holder for electric arc welding device, substantially as shown.

118,711
DESIGN FOR A COMBINATION MAIL BOX AND HOUSE NUMBER PLATE
Nina L. Poole, Riverside, Calif.
Application March 23, 1939, Serial No. 84,056
Term of patent 3½ years



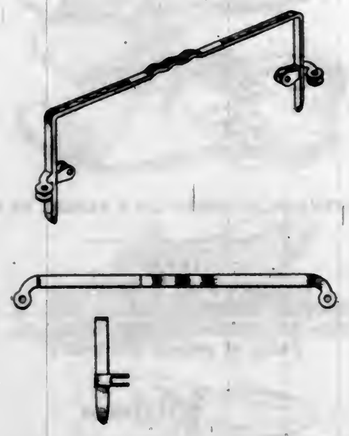
The ornamental design for a combination mail box and house number plate, as shown.

118,712
DESIGN FOR A SUPPORT FOR SPECTACLE FRAMES AND OPHTHALMIC MOUNTINGS OR SIMILAR ARTICLES
Edwin Reynolds, Vineland, N. J.
Application April 26, 1939, Serial No. 84,566
Term of patent 14 years



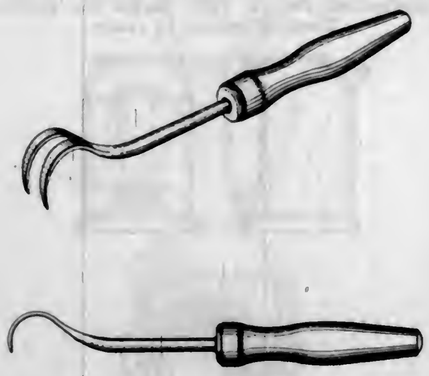
The ornamental design for a support for spectacle frames and ophthalmic mountings or similar articles, susbtantially as shown and described.

118,713
DESIGN FOR A SUPPORT FOR OPHTHALMIC LENSES AND SPECTACLE MOUNTINGS OR SIMILAR ARTICLES
Edwin Reynolds, Vineland, N. J.
Application June 8, 1939, Serial No. 85,395
Term of patent 14 years



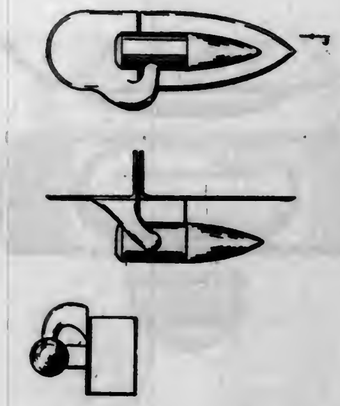
The ornamental design for a support for ophthalmic lenses and spectacle mountings or similar articles, substantially as shown.

118,714
DESIGN FOR A KITCHEN FORK
Julian E. Rude, Rhinelander, Wis.
Application November 9, 1939, Serial No. 88,161
Term of patent 14 years



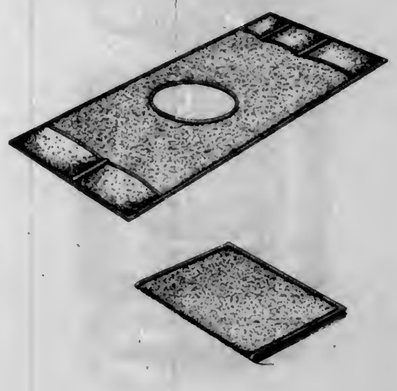
The ornamental design for a kitchen fork, as shown.

118,715
DESIGN FOR A HINGE OR SIMILAR ARTICLE
Elbert J. Walton, Denver, Colo., assignor to Harry G. Liebhardt, Denver, Colo.
Application November 14, 1939, Serial No. 88,268
Term of patent 14 years



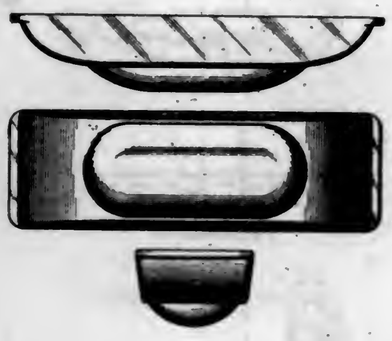
The ornamental design for a hinge or similar article, as shown.

118,716
DESIGN FOR A COMBINATION TOILET SEAT COVER AND BATH MAT OR SIMILAR ARTICLE
Carol Zito, New York, N. Y.
Application October 28, 1939, Serial No. 87,908
Term of patent 3½ years



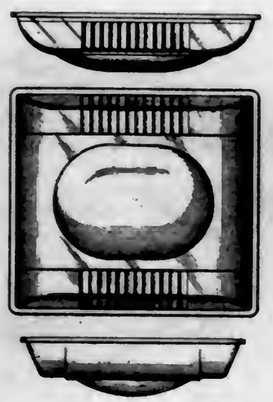
The ornamental design for a combination toilet seat cover and bath mat or similar article, substantially as shown.

118,717
DESIGN FOR A LIGHTING FIXTURE GLOBE OR SIMILAR ARTICLE
Henry G. Alm, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application July 31, 1939, Serial No. 86,380
Term of patent 14 years



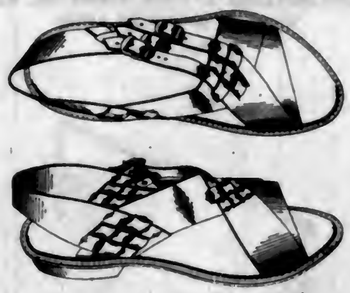
The ornamental design for a lighting fixture globe or similar article, as shown.

118,718
DESIGN FOR A LIGHTING FIXTURE GLOBE OR SIMILAR ARTICLE
Henry G. Alm, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application July 31, 1939, Serial No. 86,381
Term of patent 14 years



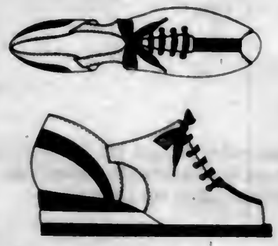
The ornamental design for a lighting fixture globe or similar article, as shown.

118,719
DESIGN FOR A SANDAL
Jacob B. Beriand, St. Louis, Mo.
Application November 24, 1939, Serial No. 88,463
Term of patent 3½ years



The ornamental design for a sandal, as shown.

118,720
DESIGN FOR A SLIPPER
Hyman M. Edelstein, Jersey City, N. J.
Application December 12, 1939, Serial No. 88,836
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

118,721
DESIGN FOR A PITCHER OR SIMILAR ARTICLE
Dodson Haslup, Grafton, W. W. Va.
Application July 1, 1939, Serial No. 85,799
Term of patent 14 years



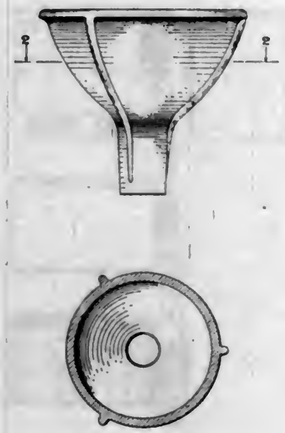
The ornamental design for a pitcher or similar article, substantially as shown.

118,722
DESIGN FOR A LADY'S SHOE OR SIMILAR ARTICLE
Richard Jerro, Brooklyn, N. Y.
Application December 15, 1939, Serial No. 88,919
Term of patent 3½ years



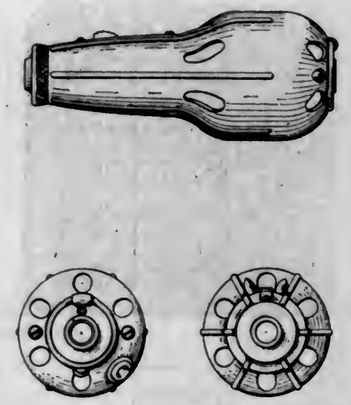
The ornamental design for a lady's shoe or similar article, as shown.

118,723
DESIGN FOR A FUNNEL
Herman H. Martin, Toledo, Ohio, assignor to H. H. Martin Products Corporation, Toledo, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 83,702
Term of patent 14 years



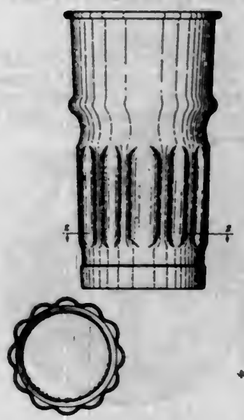
The ornamental design for a funnel, substantially as shown.

118,724
DESIGN FOR A MOTORIZED HAND TOOL UNIT
Louis J. Misuraca, Glendale, Calif., assignor to Charles Bruning Company, Inc., New York, N. Y., a corporation of New York
Application April 17, 1939, Serial No. 84,353
Term of patent 7 years



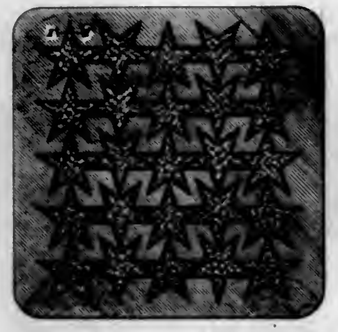
The ornamental design for a motorized hand tool unit, as shown.

118,725
DESIGN FOR A DRINK MIXING CUP
Louis Myers, Galesburg, Ill., assignor to David Gensburg, Chicago, Ill.
Application July 31, 1939, Serial No. 86,391
Term of patent 14 years



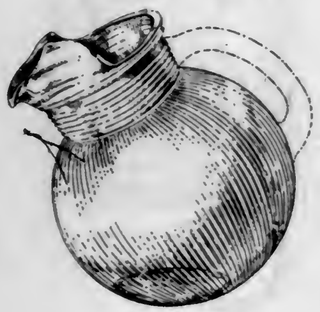
The ornamental design for a drink mixing cup, as shown.

118,726
DESIGN FOR A DECORATIVE SHEET OF METAL FOIL
Charles S. Price, Hollis, N. Y.
Application May 8, 1937, Serial No. 69,225
Term of patent 14 years



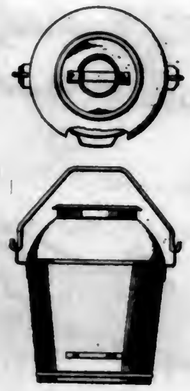
The ornamental design for a decorative sheet of metal foil as shown and described.

118,727
DESIGN FOR A PITCHER
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application November 20, 1939, Serial No. 88,378
Term of patent 14 years



The ornamental design for a pitcher, as shown.

118,728
DESIGN FOR A MILK CAN
Stefan S. Starzec, Starzec, and Yelmer V. Sims, Ladysmith, Wis.
Application May 26, 1939, Serial No. 85,220
Term of patent 14 years



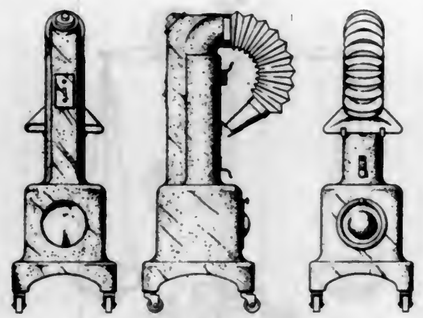
The ornamental design for a milk can, as shown.

118,729
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application November 24, 1937, Serial No. 73,180
Term of patent 14 years



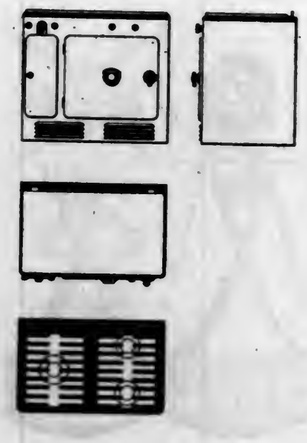
The ornamental design for a lighting fixture, substantially as shown and described.

118,730
DESIGN FOR A COMBINED WARMING AND DRYING APPARATUS
Ernest J. Sweetland, Piedmont, Calif.
Application February 4, 1939, Serial No. 82,778
Term of patent 14 years



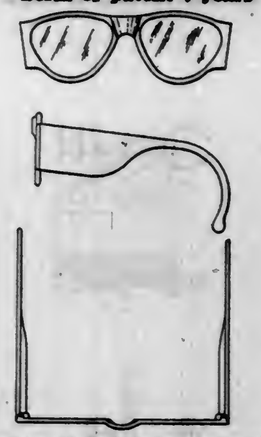
The ornamental design for a combined warming and drying apparatus, substantially as shown.

118,731
DESIGN FOR A COOK STOVE
Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation
Application November 30, 1939, Serial No. 88,594
Term of patent 7 years



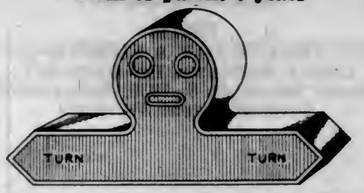
The ornamental design for a cook stove, as shown.

118,732
DESIGN FOR A GOGGLE
Joseph Brunetti, Carlstadt, New Jersey
Application September 13, 1939, Serial No. 87,175
Term of patent 7 years



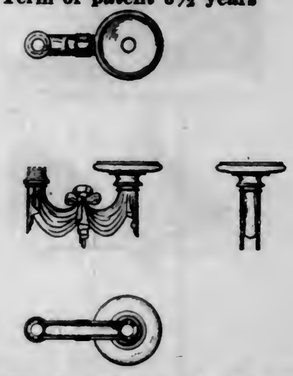
The ornamental design for a goggle, substantially as shown.

118,733
DESIGN FOR A SAFETY DANGER SIGNAL FOR AUTOMOBILES
James Calhoun, Oakland, Calif.
Application July 19, 1939, Serial No. 86,067
Term of patent 7 years



The ornamental design for a safety danger signal for automobiles, as shown and described.

118,734
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application October 27, 1939, Serial No. 87,887
Term of patent 3½ years



The ornamental design for an arm for lamp fixtures, as shown.

118,735
DESIGN FOR A CIGARETTE HOLDER
David G. Feigel, Cleveland, Ohio
Application November 28, 1938, Serial No. 81,443
Term of patent 3½ years



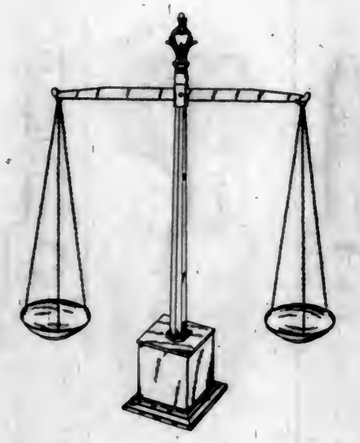
The ornamental design for a cigarette holder, as shown.

118,736
DESIGN FOR A SLIPPER
Louis E. Friedman, Brooklyn, N. Y.
Application December 8, 1939, Serial No. 88,772
Term of patent 3½ years



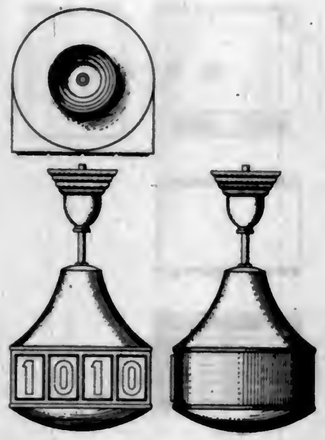
The ornamental design for a slipper, substantially as shown.

118,737
DESIGN FOR A SCALES MODEL ORNAMENT
Jack Galter, Chicago, Ill.
Application December 15, 1939, Serial No. 88,924
Term of patent 7 years



The ornamental design for a scales model ornament, substantially as shown and described.

118,738
DESIGN FOR A COMBINED PORCH LAMP AND SIGN
Jesse B. Herring, Birmingham, Ala.
Application July 5, 1939, Serial No. 85,850
Term of patent 7 years



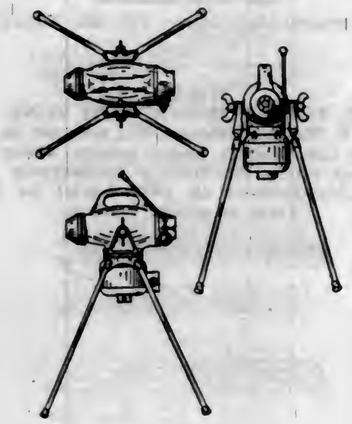
The ornamental design for a combined porch lamp and sign, as shown.

118,739
DESIGN FOR A COMBINED CLASP AND BUTTON CLOSURE THEREFOR
Sol Holstein, New York, N. Y.
Application November 16, 1939, Serial No. 88,317
Term of patent 3½ years



The ornamental design for a combined clasp and button closure therefor, substantially as shown.

118,740
DESIGN FOR A SEWER CLEANING MACHINE
Karl J. Kollmann, Erie, Pa.
Application June 2, 1939, Serial No. 85,309
Term of patent 14 years



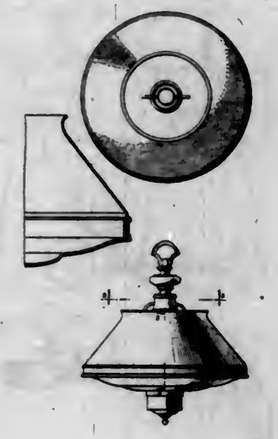
The ornamental design for a sewer cleaning machine, substantially as shown.

118,741
DESIGN FOR A MATCH BOOK
Herman Lieber, Bronx, N. Y.
Application October 9, 1939, Serial No. 87,584
Term of patent 3½ years



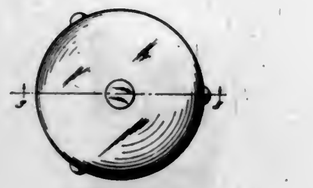
The ornamental design for match book, as shown.

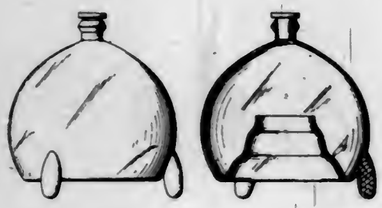
118,742
DESIGN FOR A LIGHTING FIXTURE
Samuel Miller, New York, N. Y.
Application August 5, 1939, Serial No. 86,478
Term of patent 7 years



The ornamental design for a lighting fixture, as shown.

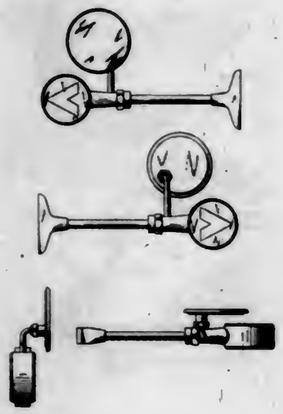
118,743
DESIGN FOR AN INSECT TRAP OR THE LIKE
Candido Nicolini, Solvay, N. Y.
Application November 16, 1939, Serial No. 88,324
Term of patent 14 years





The ornamental design for an insect trap or the like, as shown.

118,744
DESIGN FOR A COMBINATION SIGNAL AND MIRROR
Elmer F. Oetinger, Buffalo, N. Y.
Application November 9, 1939, Serial No. 88,152
Term of patent 7 years



The ornamental design for a combination signal and mirror, substantially as shown.

118,745
DESIGN FOR AN AUTOMOBILE DIRECTION INDICATOR
Jose P. Sandejas, Manila, P. I., assignor of one-tenth to Manuel Lim, Manila, P. I.
Application September 19, 1939, Serial No. 87,289
Term of patent 14 years





The ornamental design for an automobile direction indicator, as shown.

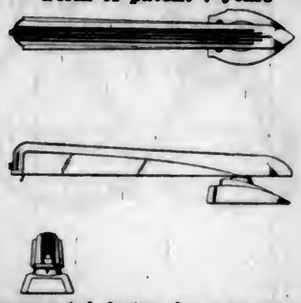
118,746
DESIGN FOR AN ASHTRAY
John F. Schylander, Chicago, Ill.
Application November 9, 1939, Serial No. 88,158
Term of patent 7 years





The ornamental design for an ashtray, as shown.

118,747
DESIGN FOR A PHONOGRAPH TONE ARM
Wesley E. Sharer, Chicago, Ill., assignor to S. N. Shure and Frances Shure, trustee, doing business as Shure Brothers, a partnership
Application January 30, 1939, Serial No. 82,682
Term of patent 7 years



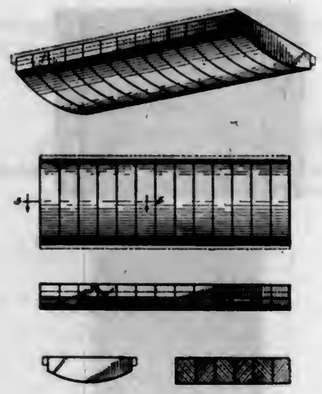
The ornamental design for a phonograph tone arm, as shown.

118,748
DESIGN FOR A COMBINED CONNECTING CLIP FOR MATCH AND CIGARETTE PACKAGES
Frank M. Sprague, Boise, Idaho
Application March 10, 1939, Serial No. 83,493
Term of patent 14 years



The ornamental design for a combined connecting clip for match and cigarette packages, as shown.

118,749
DESIGN FOR A LOUVERED LIGHT TRANSMITTING PANEL
Edward C. Zimmerman, Chicago, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1939, Serial No. 83,919
Term of patent 14 years



The ornamental design for a louvered light transmitting panel, substantially as shown and described.

118,750
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application December 26, 1939, Serial No. 89,122
Term of patent 3½ years



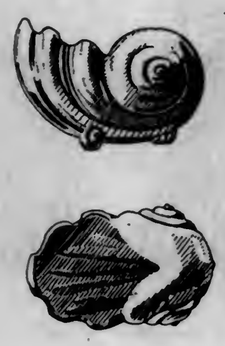
The ornamental design for a dress, substantially as shown.

118,751
DESIGN FOR A COAT
Jack Cohen, New York, N. Y.
Application December 21, 1939, Serial No. 89,059
Term of patent 3½ years



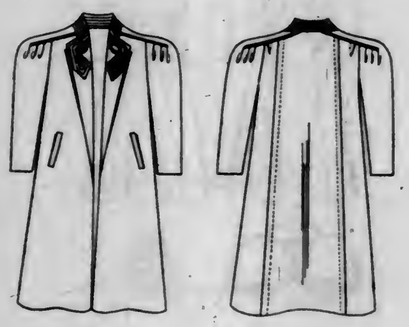
The ornamental design for a coat, substantially as shown and described.

118,752
DESIGN FOR A FLOWER HOLDER OR SIMILAR ARTICLE
Mary K. Grant, Los Angeles, Calif., assignor to Gladding, McBean & Co., Los Angeles, Calif., a corporation of California
Application March 6, 1939, Serial No. 83,276
Term of patent 7 years



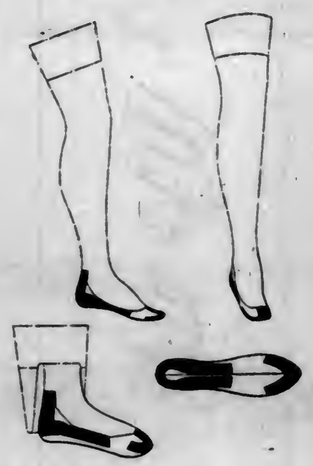
The ornamental design for a flower holder or similar article, substantially as shown.

118,753
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application December 5, 1939, Serial No. 88,695
Term of patent 3½ years



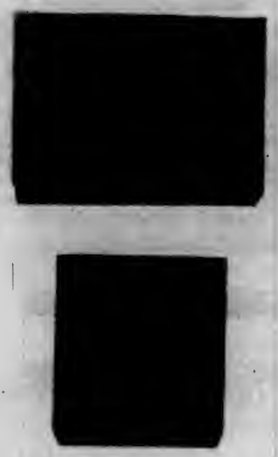
The ornamental design for a coat, substantially as shown.

118,754
DESIGN FOR A STOCKING
John D. Moyer, Milwaukee, Wis.
Application May 10, 1939, Serial No. 84,900
Term of patent 7 years



The ornamental design for a stocking, as shown and described.

118,755
DESIGN FOR A STORAGE BATTERY BOX
Arthur G. Phelps, Anderson, Ind., and Frederick G. Stickel, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 9, 1939, Serial No. 87,592
Term of patent 7 years



The ornamental design for a storage battery box, as shown and described.

118,756
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application December 29, 1939, Serial No. 89,188
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

118,757
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application December 29, 1939, Serial No. 89,189
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

118,758
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application December 29, 1939, Serial No. 89,190
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

118,759
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application December 29, 1939, Serial No. 89,191
Term of patent 3½ years



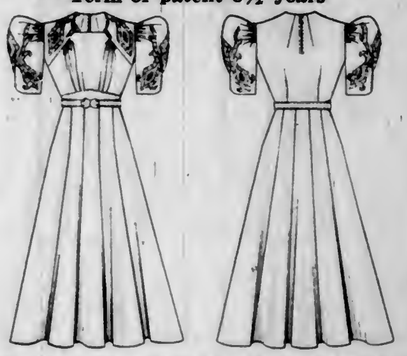
The ornamental design for a pin clip, substantially as shown.

118,760
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Ruth Schmidt, Jamaica, N. Y.
Application December 13, 1939, Serial No. 88,850
Term of patent 3½ years



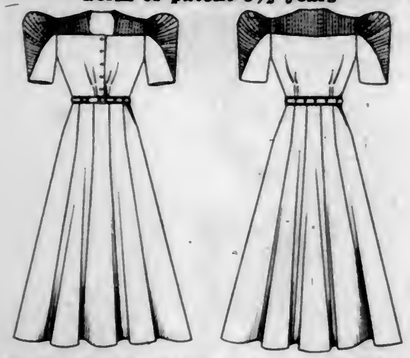
The ornamental design for a textile fabric or similar article, as shown and described.

118,761
DESIGN FOR A DRESS
Jacob Siegel, New York, N. Y.
Application December 18, 1939, Serial No. 88,958
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,762
DESIGN FOR A DRESS
Jacob Siegel, New York, N. Y.
Application December 18, 1939, Serial No. 88,961
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,763
DESIGN FOR A JEWELRY COMPONENT
Edward A. Weiss, Attleboro, Mass., assignor to Guyot Brothers Company, Incorporated, a corporation of Massachusetts
Application November 24, 1939, Serial No. 88,472
Term of patent 3½ years

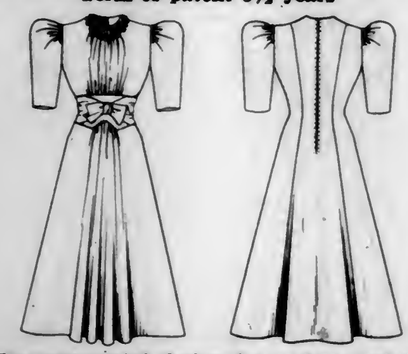






The ornamental design for a jewelry component, substantially as shown.

118,764
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application December 18, 1939, Serial No. 88,962
Term of patent 3½ years



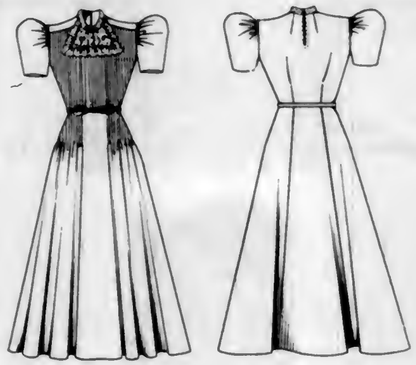
The ornamental design for a dress, substantially as shown.

118,765
DESIGN FOR A DRESS
George Constantine, New York, N. Y.
Application November 29, 1939, Serial No. 88,536
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,766
DESIGN FOR A DRESS
Madeleine Croizat, New York, N. Y.
Application December 26, 1939, Serial No. 89,121
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,767
DESIGN FOR A DRESS
Louise Decker, New York, N. Y.
Application December 26, 1939, Serial No. 89,118
Term of patent 3½ years



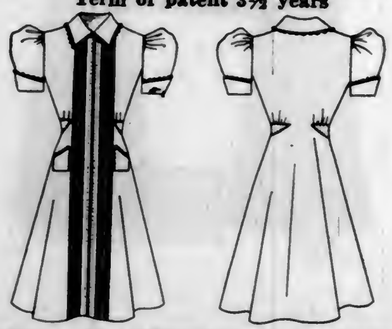
The ornamental design for a dress, substantially as shown.

118,768
DESIGN FOR A GAS RANGE CABINET
Charles T. Donnelly, Culver City, Calif.
Application June 5, 1939, Serial No. 85,345
Term of patent 3½ years



The ornamental design for a gas range cabinet, as illustrated and described.

118,769
DESIGN FOR A DRESS
Etta Evans, New York, N. Y.
Application November 18, 1939, Serial No. 88,359
Term of patent 3½ years



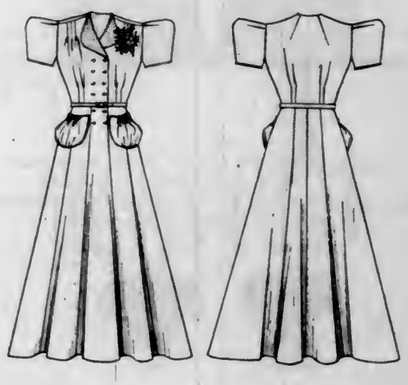
The ornamental design for a dress, substantially as shown.

118,770
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application December 21, 1939, Serial No. 89,051
Term of patent 3½ years



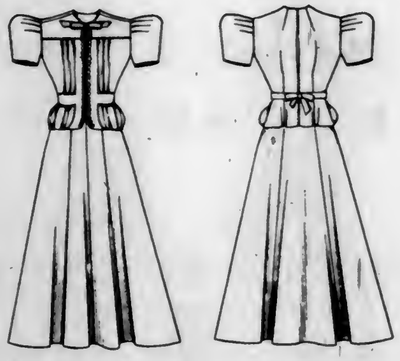
The ornamental design for a dress, substantially as shown.

118,771
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,805
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,772
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application December 11, 1939, Serial No. 88,808
Term of patent 3½ years



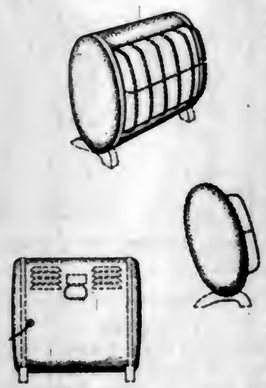
The ornamental design for a dress, substantially as shown.

118,773
DESIGN FOR A DRESS ENSEMBLE
Florence Grilli, New York, N. Y.
Application November 18, 1939, Serial No. 88,347
Term of patent 3½ years



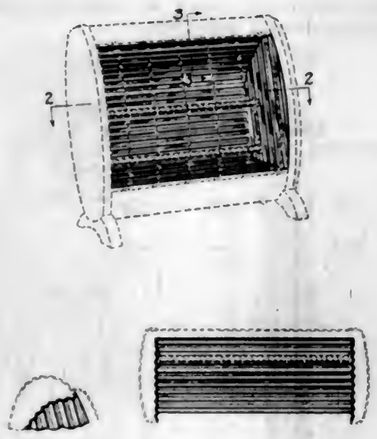
The ornamental design for a dress ensemble, substantially as shown and described.

118,774
DESIGN FOR AN ELECTRIC HEATER
Kemper M. Hammell, Toledo, Ohio, and Carl W. Sundberg, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 5, 1939, Serial No. 88,686
Term of patent 7 years



The ornamental design for an electric heater, substantially as shown and described.

118,775
DESIGN FOR AN ELECTRIC HEATER
Kemper M. Hammell, Toledo, Ohio, and Carl W. Sundberg, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 5, 1939, Serial No. 88,687
Term of patent 7 years



The ornamental design for an electric heater, substantially as shown and described.

118,776
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application November 28, 1939, Serial No. 88,515
Term of patent 3½ years



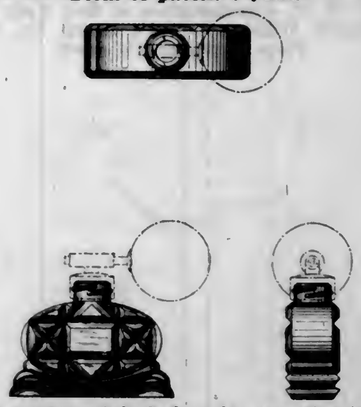
The ornamental design for a dress, substantially as shown.

118,777
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application November 29, 1939, Serial No. 88,538
Term of patent 3½ years



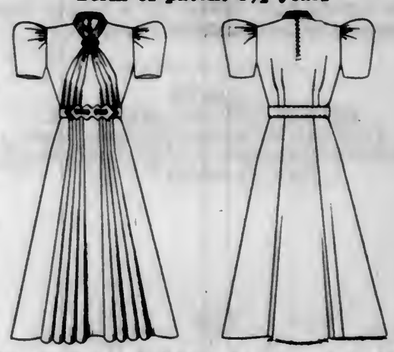
The ornamental design for a dress, substantially as shown.

118,778
DESIGN FOR AN ATOMIZER
Frederick R. Hoch, Norton, Mass.
Application September 6, 1939, Serial No. 87,064
Term of patent 7 years



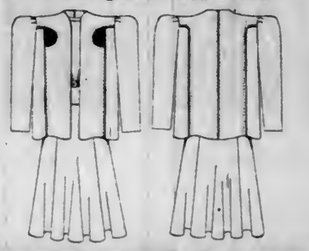
The ornamental design for an atomizer, as shown and described.

118,779
DESIGN FOR A DRESS
Nathan Kaback, New York, N. Y.
Application December 26, 1939, Serial No. 89,117
Term of patent 3½ years



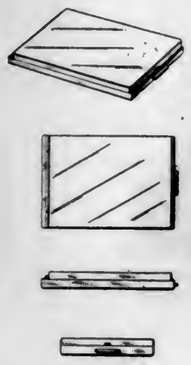
The ornamental design for a dress, substantially as shown.

118,780
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznetz, New York, N. Y.
Application December 16, 1939, Serial No. 88,927
Term of patent 3½ years



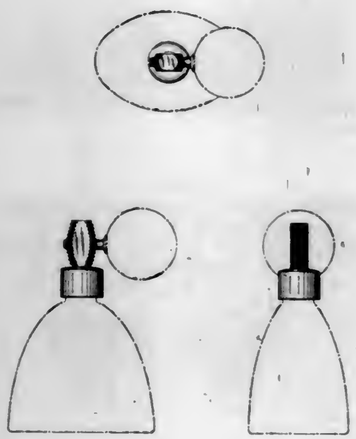
The ornamental design for a dress ensemble, substantially as shown and described.

118,781
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Richard F. Landwehr, Laurelton, N. Y., assignor to Sagamor Metal Goods Corporation, New York, N. Y., a corporation of New York
Application October 3, 1939, Serial No. 87,487
Term of patent 3½ years



The ornamental design for a vanity case or similar article, substantially as shown.

118,782
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass.
Application September 6, 1939, Serial No. 87,065
Term of patent 7 years



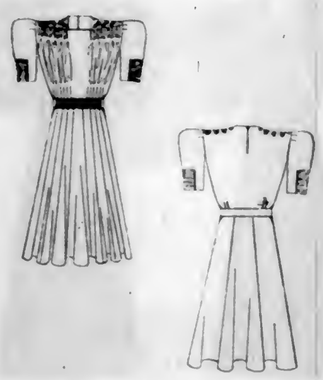
The ornamental design for an atomizer, as shown and described.

118,783
DESIGN FOR A DRESS
Dorothy Rothstein, New York, N. Y.
Application December 18, 1939, Serial No. 88,956
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,784
DESIGN FOR A DRESS
Diana A. Sapienza, New York, N. Y.
Application December 19, 1939, Serial No. 88,998
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,785
DESIGN FOR A DRESS
Josephine Schwartz, New York, N. Y.
Application December 26, 1939, Serial No. 89,123
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,786
DESIGN FOR A DRESS ENSEMBLE
Josephine Schwartz, New York, N. Y.
Application December 26, 1939, Serial No. 89,124
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,787
DESIGN FOR A DRESS
Benjamin Shapiro, New York, N. Y.
Application December 21, 1939, Serial No. 89,057
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,788
DESIGN FOR A DRESS
Fannie Sussman, New York, N. Y.
Application December 26, 1939, Serial No. 89,120
Term of patent 3½ years



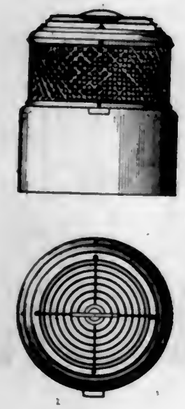
The ornamental design for a dress, substantially as shown.

118,789
DESIGN FOR A DRESS
Olga Wusits, New York, N. Y.
Application December 21, 1939, Serial No. 89,058
Term of patent 3½ years



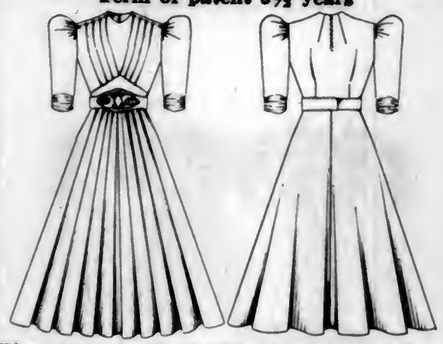
The ornamental design for a dress, substantially as shown.

118,790
DESIGN FOR AN AIR CONDITIONER
Raymond E. Young, Harvey, Ill.
Application December 29, 1938, Serial No. 82,037
Term of patent 7 years



The ornamental design for an air conditioner, as shown.

118,791
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application December 18, 1939, Serial No. 88,963
Term of patent 3½ years



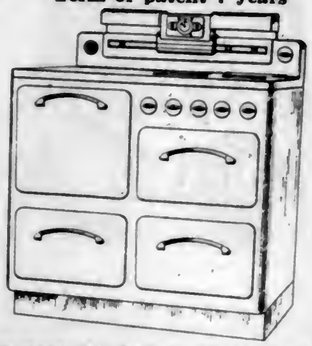
The ornamental design for a dress, substantially as shown.

118,792
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application December 18, 1939, Serial No. 88,966
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,793
DESIGN FOR AN ELECTRIC RANGE
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 15, 1939, Serial No. 88,292
Term of patent 7 years



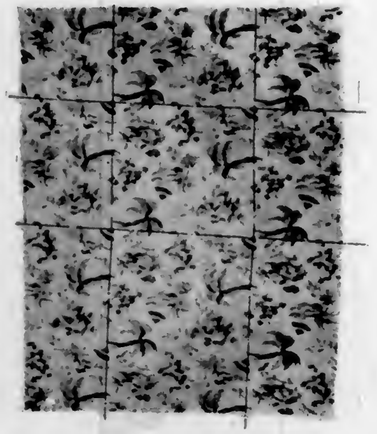
The ornamental design for an electric range, substantially as shown and described.

118,794
DESIGN FOR A TEXTILE FABRIC
Herbert R. Shapiro, New York, N. Y.
Application December 12, 1939, Serial No. 88,839
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,795
DESIGN FOR AN ELASTIC TEXTILE FABRIC
Charles E. Turk, New York, N. Y.
Application December 15, 1939, Serial No. 88,911
Term of patent 3½ years



The ornamental design for an elastic textile fabric, substantially as shown and described.

118,796
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, Englewood, N. J.
Application December 21, 1939, Serial No. 89,070
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

118,797
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application December 29, 1939, Serial No. 89,181
Term of patent 3½ years



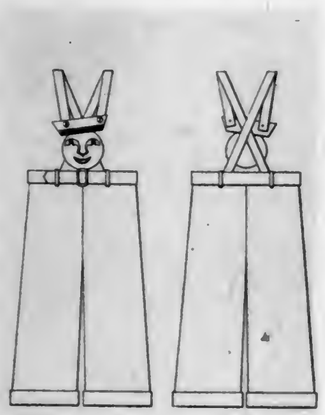
The ornamental design for a textile fabric or similar article, as shown.

118,798
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application December 29, 1939, Serial No. 89,182
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

118,799
DESIGN FOR A COMBINATION SLACKS AND SUSPENDERS
Martin O. Bauer, Bergenfield, N. J.
Application December 1, 1939, Serial No. 88,604
Term of patent 3½ years



The ornamental design for a combination slacks and suspenders, as shown.

118,800
DESIGN FOR A LACE COLLAR OR SIMILAR ARTICLE
Walter F. Breuss, Leonia, N. J.
Application December 23, 1939, Serial No. 89,096
Term of patent 3½ years



The ornamental design for a lace collar or similar article, as shown.

118,801
DESIGN FOR A LACE COLLAR OR SIMILAR ARTICLE
Walter F. Breuss, Leonia, N. J.
Application December 23, 1939, Serial No. 89,097
Term of patent 3½ years



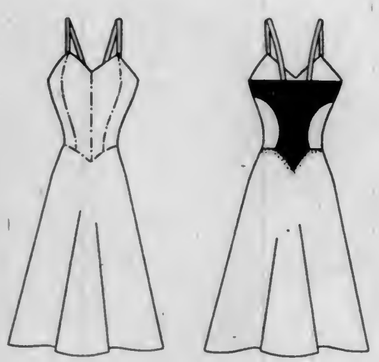
The ornamental design for a lace collar or similar article, as shown.

118,802
DESIGN FOR A LACE COLLAR OR SIMILAR ARTICLE
Walter F. Breuss, Leonia, N. J.
Application December 23, 1939, Serial No. 89,098
Term of patent 3½ years



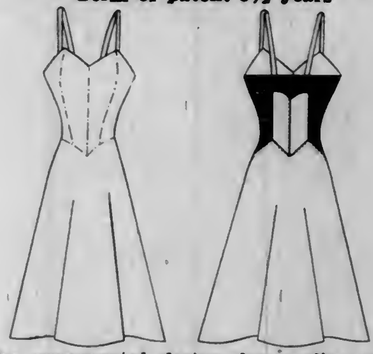
The ornamental design for a lace collar or similar article, as shown.

118,803
DESIGN FOR A SLIP
Esther Cadous, New York, N. Y.
Application January 4, 1940, Serial No. 89,277
Term of patent 3½ years



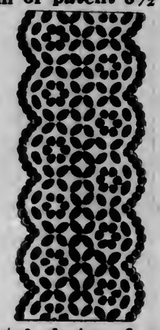
The ornamental design for a slip, substantially as shown and described.

118,804
DESIGN FOR A SLIP
Esther Cadous, New York, N. Y.
Application January 4, 1940, Serial No. 89,278
Term of patent 3½ years



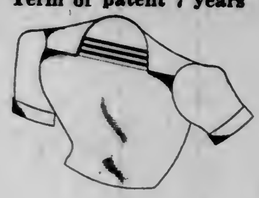
The ornamental design for a slip, substantially as shown and described.

118,805
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application January 10, 1940, Serial No. 89,366
Term of patent 3½ years



The ornamental design for an embroidered textile fabric or similar article, as shown.

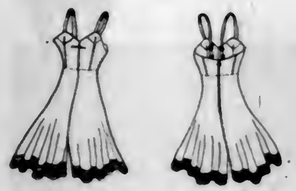
118,806
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Louis Kliban, South Norwalk, Conn.
Application November 22, 1938, Serial No. 81,285
Term of patent 7 years





The ornamental design for a blouse or similar article, as shown and described.

118,807
DESIGN FOR A LADY'S UNDERGARMENT
Helen A. Laufer, New Kensington, Pa.
Application November 10, 1939, Serial No. 88,196
Term of patent 3½ years



The ornamental design for a lady's undergarment, as shown.

118,808
DESIGN FOR A HAT
Max Solash, Linden, N. J.
Application November 10, 1939, Serial No. 88,200
Term of patent 3½ years



The ornamental design for a hat, as shown.

OFFICIAL GAZETTE

OF THE

I C 61

UNITED STATES PATENT OFFICE

VOLUME 511

FEBRUARY

1940

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1940

R608
13
v.511
Feb. 1940

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, February 6, 13, 20, 27	3, 273, 545, 801
TRADE-MARKS PUBLISHED AND REGISTERED, February 6, 13, 20, 27	7, 277, 549, 807
LABELS AND PRINTS REGISTERED, February 6, 13, 20, 27	39, 303, 582, 840
REISSUES, February 6, 13, 20, 27	41, 305, 585, 841
PLANT PATENTS, February 6, 13, 20, 27	— 308, — 842
PATENTS, February 6, 13, 20, 27	43, 309, 589, 843
DESIGNS, February 6, 13, 20, 27	244, 516, 771, 1013

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	1, 276, 543, 799
AMENDMENTS—Instruction Relative to Addressing	543
APPLICATIONS—Condition of pending	2, 272, 544, 800
BULLETIN OF DECISIONS—Trade-Marks, Labels and Prints	805
CLASSIFICATION OF INVENTION—Changes in *Order No. 3501*	547
DISCLAIMERS—Carter, Leslie F	804
Dicks, Thomas A	276
Frisch, Martin	6
Goetz, Maurus T	804
Jerabek, Theophil E	275
Kalischer, Milton	804
Klarmann, Emil	804
Lengyel, Carl	804
Schmidt, Maximilian Paul et al	804
Stein, Irving M. et al	276
Stout, William B. et al	276
Ungar, Gustave A	804
Vogt, Clarence W	276
White, Howard D	6
DRAWINGS—Rule 52—Instruction relative to marking	271
EXAMINERS, LETTERS AND AMENDMENTS	1
PATENT SUITS	5, 274, 546, 803
PATENTS—List of Adjudicated	6, 275, 543, 799
Date of—Rule 167	547
TRADE-MARK REGISTRATIONS CANCELED—Notice of cancellation	1, 271, 543, 799

TABLE OF CASES REPORTED

	Page
*Bielzoff Products Co. *v.* White Horse Distillers, Limited	801
*DeSanno, Jr., and DeSanno & Son, Inc., *v.* Joseph A. Lieb (The Star Dental Mfg. Co., Inc., assignee substituted)	545
*Maybach, In re	4
*Oakite Products, Inc., *v.* H. Kirk White & Co	273
*Roberts, In re	3

[Decisions of the United States Court of Customs and Patent Appeals are indicated by a star (*)]

ERRATA

Page 932, Patent No 2,181,306—in the heading, after "William D. Osborn, Los Angeles, Calif." insert the comma and words , assignor to Hubert R. Crane, Los Angeles, Calif. O. G. November 28, 1939.

442646

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Rectal anesthetic. Serial No. 425,772; Feb. 6. Class 6.

Aiello, Luigi, Archbald, Pa. Medicinal preparation. Serial No. 425,322; Feb. 6. Class 6.

Aktieselskabet Skarrehage Molervaerk, Nykbing Mors, Denmark. Insulating bricks, partition blocks, slabs, etc. Serial No. 421,173; Feb. 6. Class 12.

Allen Calculators, Incorporated, New York, N. Y. Adding machines, calculators, cash registering machines, etc. Serial No. 425,217; Feb. 6. Class 26.

American Knitting Mills Co. Inc., New York, N. Y. Men's underwear, sweaters, sport shirts, etc. Serial No. 424,420; Feb. 6. Class 39.

American Rice Growers Cooperative Association, Lake Charles, La. Rice. Serial No. 426,148; Feb. 6. Class 46.

Anemostat Corporation of America, New York, N. Y. Air cooling, conditioning, and ventilating units. Serial Nos. 426,081–2; Feb. 6. Class 34.

Arden Farms, Inc., Los Angeles, Calif. Ice cream. Serial No. 421,793; Feb. 6. Class 46.

Armstrong Cork Company, Lancaster, Pa. Glass bottles, jars, jugs, etc. Serial No. 420,274; Feb. 6. Class 33.

Artistique Bag Corp., New York, N. Y. Handbags. Serial No. 425,670; Feb. 6. Class 3.

Atlantic Register Company, Waltham, Mass. Carbon jackets. Serial Nos. 425,377–8; Feb. 6. Class 37.

Baltimore Biological Laboratory, Baltimore, Md. Biologicals, biological materials and preparations, etc. Serial No. 423,058; Feb. 6. Class 6.

Baltimore Biological Laboratory, Baltimore, Md. Biologicals, biological materials and preparations, etc. Serial No. 423,067; Feb. 6. Class 6.

Barber Asphalt Corporation, Barber, N. J. Plastic cement and fiber coating. Serial No. 425,682; Feb. 6. Class 12.

Barmon Brothers Company, Inc., Buffalo, N. Y. Dresses. Serial No. 426,356; Feb. 6. Class 39.

Bathashay Distributors. (See Clark, Robert H.)

Baum, Russell E., Philadelphia, Pa. Paper folding machines. Serial Nos. 426,118–19; Feb. 6. Class 23.

Belt Seed Company Inc., The, Baltimore, Md. Lawn grass seed. Serial No. 424,706; Feb. 6. Class 1.

Bitucote Products Company, St. Louis, Mo. Emulsified petroleum coal treating material. Serial No. 423,784; Feb. 6. Class 6.

Bloomingdale Bros., Inc., New York, N. Y. Silk, rayon, cotton, wool yard goods, bath towels, etc. Serial No. 424,638; Feb. 6. Class 42.

Bowles, William A., doing business as Bowles Bros., Brockton, Mass. Beverages and syrups and extracts for making same. Serial No. 426,240; Feb. 6. Class 45.

Bruce, E. L., Company, Memphis, Tenn. Wood flooring. Serial No. 421,300; Feb. 6. Class 12.

Buck, Everett W., Jr., Oakdale, Iowa. Candy. Serial No. 399,643; Feb. 6. Class 46.

Byard Manufacturing Company, Limited, The, Nottingham, England. Hair nets. Serial No. 421,964; Feb. 6. Class 39.

Cannon Shoe Company, Baltimore, Md. Shoes. Serial No. 416,454; Feb. 6. Class 39.

Capewell Manufacturing Company, The, Hartford, Conn. Horseshoe nails. Serial No. 427,007; Feb. 6. Class 13.

Captivante Laboratories, Inc., New York, N. Y. Hand cleansing fluid. Serial No. 426,247; Feb. 6. Class 4.

Carolina Coffee Company, Charleston, S. C. Coffee. Serial No. 425,388; Feb. 6. Class 46.

Cataldo, William, doing business as Williams Candy Co., Winter Hill, Somerville, Mass. Candy. Serial No. 425,326; Feb. 6. Class 46.

Caughran, D. A., Marshfield, Mo. Liniment. Serial No. 424,712; Feb. 6. Class 6.

Celanese Corporation of America, New York, N. Y. Yarns. Serial Nos. 426,155–6; Feb. 6. Class 43.

Chadwick Chemical Co., Newark, N. J. Hair tints, dyes, tonics, etc. Serial No. 425,729; Feb. 6. Class 6.

Chemische Fabrik Tempelhof Preuss & Temmler, Berlin-Tempelhof, Germany. Insecticides. Serial No. 425,879; Feb. 6. Class 6.

Chicago Mail Order Company, Chicago, Ill. Women's and misses' shoes. Serial No. 425,272; Feb. 6. Class 39.

Clark, Robert H., doing business as Bathashay Distributors, Los Angeles, Calif. Bath powder. Serial No. 425,391; Feb. 6. Class 4.

Climax Reflector, Inc., Canton, Ohio. Reflectors. Serial No. 426,121; Feb. 6. Class 34.

Collegiate Manufacturing Company, Inc., New York, N. Y. Women's nightgowns and pajamas. Serial No. 425,687; Feb. 6. Class 39.

Columbus Iron Works Company, Columbus, Ga. Plow and cultivator parts. Serial No. 425,730; Feb. 6. Class 23.

Commonwealth Utilities Company, Chicago, Ill. Cameras and lenses therefor. Serial No. 425,453; Feb. 6. Class 26.

Craftint Manufacturing Company, The, Cleveland, Ohio. Artists' drawing paper. Serial No. 425,140; Feb. 6. Class 37.

Curry Laboratory, Camden, N. J. Skin tonic. Serial No. 423,800; Feb. 6. Class 6.

Curtis Universal Joint Co., Inc., Springfield, Mass. Universal joints. Serial No. 425,731; Feb. 6. Class 23.

Dairy Laboratories, The, Philadelphia, Pa. Antiseptics, disinfectants, and deodorants. Serial No. 423,802; Feb. 6. Class 6.

Davio & Betsold, West Hatfield, Mass. Cleaning preparation. Serial No. 422,662; Feb. 6. Class 4.

Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 425,733; Feb. 6. Class 6.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Artificial resin masses. Serial No. 418,036; Feb. 6. Class 1.

Diamond Alkali Company, Pittsburgh, Pa. Dry cleaner. Serial No. 426,400; Feb. 6. Class 4.

Dimmitt, Viola S. (See Morgan, Viola D.)

Doraldina Cosmetics, Inc., New York, N. Y. Toilet water. Serial No. 425,779; Feb. 6. Class 6.

Doyle, Morgan J., doing business as Yankee Manufacturing Co., San Francisco, Calif. Clarinets, saxophones, flutes, etc. Serial No. 426,249; Feb. 6. Class 36.

Dunlop Rubber Company Limited, Erdington, Birmingham, England. Clothing. Serial No. 419,911; Feb. 6. Class 39.

Durham Hosiery Mills, Durham, N. C. Hosiery. Serial No. 418,681; Feb. 6. Class 39.

E-Z Thread Co. (See Goldman, Hilda.)

Edison, Thomas A., Incorporated, West Orange, N. J. Regulators for heating apparatus. Serial Nos. 418,434–5; Feb. 6. Class 26.

Elram Lamp Works, Hoboken, N. J. Electric lamps. Serial No. 422,795; Feb. 6. Class 21.

Emiley, Alfred, New Lenox, Ill. Chemical paste for cleaning and polishing glass and metal. Serial No. 422,004; Feb. 6. Class 4.

Evans Bros., Riverside, Calif. Fresh citrus fruit. Serial No. 425,197; Feb. 6. Class 46.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Preparation for acute, relaxed, and disturbed conditions of the stomach and bowels. Serial Nos. 424,161–4; Feb. 6. Class 6.

Famous Bar Co. (See May Department Stores Company.)

Federal Stamping & Engineering Corp., Brooklyn, N. Y. Projecting microscopes, opaque projectors for drawing, camera lucidas, etc. Serial No. 415,589; Feb. 6. Class 26.

Filtex Corporation, The, Jackson, Mich. Electric vacuum sweepers and cleaners. Serial No. 426,289; Feb. 6. Class 21.

Fitzpatrick Bros., Inc., Chicago, Ill. Soap, soap flakes, soap chips, etc. Serial No. 426,406; Feb. 6. Class 4.

Flaxman, Norman, New York, N. Y. Watches, dials, and movements used in watches and clocks. Serial No. 411,951; Feb. 6. Class 27.

Fleer, Frank H., Corporation, Philadelphia, Pa. Confections. Serial No. 425,111; Feb. 6. Class 46.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. Serial No. 425,566; Feb. 6. Class 39.

Franke, Carl S., Akron, Ohio. Ice cream cones. Serial No. 425,397; Feb. 6. Class 46.

Fraser Manufacturing Co. Inc., New York, N. Y. Gimp yarn. Serial No. 424,807; Feb. 6. Class 43.

Frenchtown Porcelain Company, Frenchtown, N. J. Sand blast nozzles and parts thereof. Serial No. 420,635; Feb. 6. Class 23.

G & B Manufacturing Company, Chicago, Ill. Mechanical marker. Serial No. 424,686; Feb. 6. Class 23.

Gebby, Jerry E., Dayton, Ohio. Rifles, ammunition and loading tools. Serial No. 425,237; Feb. 6. Class 9.

Gem-Dandy Garter Company, Madison, N. C. Suspenders and belts. Serial No. 425,697; Feb. 6. Class 39.

General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. Serial No. 424,958; Feb. 6. Class 39.

General Tire & Rubber Company, The, Akron, Ohio. Shoe fillers. Serial No. 424,129; Feb. 6. Class 1.

General Water Heater Corporation, Burbank, Calif. Water heating thermo siphon heat exchange units. Serial No. 423,940; Feb. 6. Class 34.

Gesellschaft für neuzeitliche Bodenbehandlung m. b. H., Naaki-Vertrieb, Berlin, Germany. Fertilizers. Serial No. 413,477; Feb. 6. Class 10.

Gitterman & Co., New York, N. Y. Piece goods. Serial No. 426,195; Feb. 6. Class 42.

Giuriani, A., & Bro., San Francisco, Calif. Olive oil. Serial No. 425,737; Feb. 6. Class 46.

Goldman, Hilda, doing business as E-Z Thread Co., New York, N. Y. Braided yarns. Serial No. 404,439; Feb. 6. Class 43.

Goodman, Abraham, doing business as Timely Publications, New York, N. Y. Comic strip series. Serial No. 424,850; Feb. 6. Class 38.

Greenberg, Theodore R., Jackson Heights, Long Island, N. Y. Mouth pieces for musical instruments. Serial No. 424,875; Feb. 6. Class 36.

Greenspoon Clothing Co., Inc., St. Louis, Mo. Men's and boys' coats. Serial No. 415,775; Feb. 6. Class 39.

Hardwick Woolen Mills, Inc., Cleveland, Tenn. Suits, topcoats, and overcoats. Serial No. 420,857; Feb. 6. Class 39.

Harris, A. G., A. C., A. V., Bethpage, Tenn., and Bridgeport, Ind. Medicinal preparations. Serial No. 425,997; Feb. 6. Class 6.

Harrison, William H., doing business as Harrison & Harrison, Los Angeles, Calif. Photographic equipment. Serial No. 426,197; Feb. 6. Class 26.

Hercules Powder Company, Wilmington, Del. Propellent powder. Serial No. 426,315; Feb. 6. Class 9.

Home Store, The. (See Johnston-Shelton Company, The.)

Honig, Jack L., Inc., New York, N. Y. Dresses. Serial No. 426,299; Feb. 6. Class 39.

Hoover & Co., Inc., Kenosha, Wis. Medicinal preparation. Serial No. 425,835; Feb. 6. Class 6.

Ingram, J. M., Fruit Corporation, Tampa, Fla. Fresh citrus fruit. Serial Nos. 426,200–1; Feb. 6. Class 46.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 426,058; Feb. 6. Class 39.

Johnson, Frieda L., doing business as Johnson Products Company, Chicago, Ill. Preparation used for mending hosiery and textile materials. Serial No. 425,919; Feb. 6. Class 6.

Johnston-Shelton Company, The, doing business as The Home Store, Dayton, Ohio. Hosiery, underwear, dresses, etc. Serial No. 415,397; Feb. 6. Class 39.

Joseph & Feiss Company, The, Cleveland, Ohio. Top coats and overcoats. Serial No. 417,460; Feb. 6. Class 39.

Joyce-Cridland Company, The, Dayton, Ohio. Air compressing and distributing apparatus. Serial No. 425,572; Feb. 6. Class 23.

Kahn, David, Inc., North Bergen, N. J. Pencils, fountain pens, pen and pencil sets, etc. Serial Nos. 423,270–1; Feb. 6. Class 37.

Keel & Company, Inc., Philadelphia, Pa. Rubber paste paint. Serial No. 423,566; Feb. 6. Class 16.

Knox Company, The, Los Angeles, Calif. Medicinal preparations. Serial No. 426,093; Feb. 6. Class 6.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Fresh fish. Serial No. 397,289; Feb. 6. Class 46.

Krystal Co., The, Fresno, Calif. Suppositories for treating vaginal conditions. Serial No. 425,920; Feb. 6. Class 6.

Lunenburg Sea Products, Ltd., Lunenburg, Canada. Fish. Serial No. 423,002; Feb. 6. Class 46.

Marshall Field & Company, Chicago, Ill. Women's outer apparel. Serial No. 425,466; Feb. 6. Class 39.

Massachusetts Textile Company (Bernhard Altmann, Inc.), Fall River, Mass. Yarns. Serial No. 425,285; Feb. 6. Class 43.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo.; also doing business as Famous-Barr Co., St. Louis, Mo. Infants' diapers, dresses, coats, etc. Serial No. 423,109; Feb. 6. Class 39.

Mayer, Fred A., Shoe Company, Milwaukee, Wis. Women's shoes. Serial No. 425,801; Feb. 6. Class 39.

McGown, Pearl K., West Boylston, Mass. Burlap fabric pieces having a design stamped thereon for hooked rugs. Serial No. 425,477; Feb. 6. Class 40.

Meadows Corporation, The, Chicago, Ill. Ironing machines. Serial No. 421,144; Feb. 6. Class 24.

Melvin Co., South Pasadena, Calif. Liquid preparation. Serial No. 425,802; Feb. 6. Class 6.

Mid City Wholesale Grocers, Inc., Cicero, Ill. Tomato paste. Serial No. 425,479; Feb. 6. Class 46.

Miller, Howard W., Crafton Branch, Pittsburgh, Pa. Beer. Serial No. 405,514; Feb. 6. Class 48.

Moderne Sales Company, Inc., Indianapolis, Ind. Paint product. Serial No. 425,481; Feb. 6. Class 16.

Morgan, Viola D., doing business as Viola S. Dimmitt, Los Angeles, Calif. Lounge and hostess pajamas, slacks, etc. Serial No. 425,899; Feb. 6. Class 39.

Newberry, J. J., Co., New York, N. Y. Safety pins, bias tape, bobby hair-pins, etc. Serial No. 424,489; Feb. 6. Class 40.

Northern Paper Mills, Green Bay, Wis. Paper towels, toilet paper, and wrapping paper. Serial No. 425,705; Feb. 6. Class 37.

Onag Co., The, Denver, Colo. Motor driven toothbrushes. Serial No. 425,859; Feb. 6. Class 29.

Oxford Pants Co., Inc., New York, N. Y. Children's suits, jackets, trousers, etc. Serial No. 425,928; Feb. 6. Class 39.

Paliver Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 425,529; Feb. 6. Class 6.

Palmer, Russell, Hoboken, N. J. Annual publication. Serial No. 425,622; Feb. 6. Class 38.

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. Serial No. 416,756; Feb. 6. Class 37.

Perloff, Leon, doing business as Squirtex Co., Philadelphia, Pa. Preparation for window-cleaning, cleaning flat glass, porcelain, etc. Serial No. 425,129; Feb. 6. Class 4.

Peters, John H., Toledo, Ohio. Time and dating charts and guides with circulars, cards, etc. Serial No. 423,925; Feb. 6. Class 38.

Petroleum Solvents Corporation, New York, N. Y. Solvent and cleaner for dissolving oil residues, sludge formations, etc. Serial No. 426,035; Feb. 6. Class 6.

Photo Chemical Foundation, Los Angeles, Calif. Photographic film developer. Serial No. 425,806; Feb. 6. Class 6.

Pierce Plastics, Inc., Bay City, Mich. Extruded strands, filaments, fibers, etc. Serial No. 425,423; Feb. 6. Class 1.

Pogue, H. E., Distillery Company, Inc., The, Chicago, Ill. Whiskey. Serial No. 425,365; Feb. 6. Class 49.

Potter, Chas. W., doing business as Potter Gas Service Company, Syracuse, N. Y. Domestic gas distribution units for heating and lighting, gas ranges, etc. Serial No. 424,524; Feb. 6. Class 34.

Powell Duffryn Associated Collieries, Limited, London, England. Coal and coal briquettes. Serial No. 425,967; Feb. 6. Class 1.

Preservaline Manufacturing Co., The, Brooklyn, N. Y. Thickener, binder, filler, etc. for sausages and other prepared meat products. Serial No. 423,386; Feb. 6. Class 46.

Ray-O-Zone Products Corporation, Houghton, Mich., and Portland, Oreg. Machines for generating ozone. Serial No. 419,488; Feb. 6. Class 21.

Rose Manufacturing Company. (See Rosenbluth, Edwin M.)

Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa. Fungicides, insecticides, and disinfectants. Serial No. 423,897; Feb. 6. Class 6.

Santiago Orange Growers Association, Orange, Calif. Fresh citrus fruit. Serial No. 426,229; Feb. 6. Class 46.

Schering Corporation, Bloomfield, N. J. Chemical compound. Serial No. 425,757; Feb. 6. Class 6.

Schick Dry Shaver, Inc., Stamford, Conn. Dry shavers, shearing heads and casings for dry shavers. Serial No. 421,114; Feb. 6. Class 23.

Schultz, Baujan & Company, Beardstown, Ill. Dog food. Serial No. 424,444; Feb. 6. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Women's and girls' hats and dresses. Serial No. 426,006; Feb. 6. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation containing asafetida. Serial No. 426,071; Feb. 6. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic preparations and preparations for the treatment of injuries and/or inflammations. Serial No. 426,073; Feb. 6. Class 6.

Shedd Products Company, Detroit, Mich. Oleomargarine. Serial No. 415,231; Feb. 6. Class 46.

Sherman, Sol, New York, N. Y. Neckties. Serial No. 384,675; Feb. 6. Class 39.

Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. Serial No. 425,709; Feb. 6. Class 46.

Shulton, Inc., New York, N. Y. Saponaceous compounds. Serial No. 418,534; Feb. 6. Class 4.

Siboney Distilling Corporation, Philadelphia, Pa. Rum, whiskey, gin, etc. Serial No. 426,414; Feb. 6. Class 49.

Silbert & Wainer, Winston-Salem, N. C. Time pieces. Serial No. 419,736; Feb. 6. Class 27.

Smith, Landon P., Inc., Irvington, N. J. Glass cutters, wood scrapers, wall scrapers, etc. Serial No. 423,576; Feb. 6. Class 23.

Special Formula Corporation, The, Bloomfield, N. J. Eau de cologne, face powder, skin freshener, etc. Serial No. 424,698; Feb. 6. Class 6.

Squirtex Co. (See Perloff, Leon.)

Stein, Hall & Company, Inc., New York, N. Y. Locust bean gum. Serial No. 425,260; Feb. 6. Class 46.

Table Rock Laboratories, Inc., Greenville, S. C. Preparations for the treatment of vitamin deficiencies and of hypochlorhydria. Serial No. 423,776; Feb. 6. Class 6.

Teotihil Laboratories Corporation, New York, N. Y. Preparation for the treatment and relief of bronchial diseases. Serial No. 426,416; Feb. 6. Class 6.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Voltmeters, ammeters, wave meters, etc. Serial No. 405,141; Feb. 6. Class 26.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sound recording and reproducing apparatus. Serial No. 405,142; Feb. 6. Class 36.

Thomas & Betts Co., The, Elizabeth, N. J. Electrical conduit fittings, solderless wiring connectors, and similar wiring appliances. Serial No. 422,302; Feb. 6. Class 21.

Thomas & Betts Co., The, Elizabeth, N. J. Electrical conduit fittings, solderless wiring connectors, and similar wiring appliances. Serial No. 422,345; Feb. 6. Class 21.

Timely Publications. (See Goodman, Abraham.)

Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose leaf books and binders. Serial No. 425,906; Feb. 6. Class 37.

United States Products Corporation, Ltd., San Jose, Calif. Canned and bottled fruit juices. Serial No. 391,597; Feb. 6. Class 46.

Utah Royalty Corporation, Salt Lake City, Utah. Weighted or winged eccentric bearing. Serial No. 399,529; Feb. 6. Class 23.

Van Cleef Bros., Chicago, Ill. Tape. Serial No. 423,866; Feb. 6. Class 5.

Vessie, Florence A., New York, N. Y. Medicinal preparations. Serial No. 425,170; Feb. 6. Class 6.

Wallerstein, Charles A., Brooklyn, N. Y. Attachment to batteries in motor vehicles used to prevent corrosion thereon. Serial No. 425,023; Feb. 6. Class 21.

Warfel, Janet C., Chicago, Ill. Publications, charts, printed data, etc. Serial No. 423,613; Feb. 6. Class 38.

Waxmaster Company, The, Wellsville, Ohio. Powder for giving waxed surfaces a lustrous, etc. finish and for sealing the wax on finished surfaces. Serial No. 425,867; Feb. 6. Class 16.

Webster Electric Company, Racine, Wis. Oil burner fuel pumps. Serial No. 425,870; Feb. 6. Class 23.

Webster Electric Company, Racine, Wis. Oil burner fuel pumps. Serial No. 425,872; Feb. 6. Class 23.

White Laboratories, Inc., Newark, N. J. Preparation to aid digestion. Serial No. 426,384; Feb. 6. Class 6.

Wieder, S., Co., Inc., New York, N. Y. Dresses, blouses, skirts, etc. Serial No. 423,644; Feb. 6. Class 39.

Williams Candy Co. (See Cataldo, William.)

Wood, Joseph T., Co., Ware, Mass. Ice skating outfits. Serial No. 422,029; Feb. 6. Class 22.

Yankee Manufacturing Co. (See Doyle, Morgan J.)

Ybry, Inc., New York, N. Y. Toilet articles and cosmetics. Serial No. 423,395; Feb. 6. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet tissue. 375,033; Feb. 6; Serial No. 420,797; published Aug. 15, 1939. Class 37.

Ace Manufacturing Co. (See Gaughan & Painter, assignor.)

Acrow (Engineers) Ltd., London, England. Engineering, architectural, and building contrivances. 375,031; Feb. 6; Serial No. 420,617; published Nov. 28, 1939. Class 23.

Adams, Helen H., doing business as L. Sherman Adams Co., Wellesley, Mass. Slug and snail exterminator. 375,142; Feb. 6. Class 6.

All American Comics, Inc., New York, N. Y. Magazine publication. 375,071; Feb. 6; Serial No. 423,195; published Nov. 28, 1939. Class 38.

American Agriculturist, Inc. (See Orange Judd Company, assignor.)

American Exporting Service Company, New York, N. Y. Razor blades. 375,050; Feb. 6; Serial No. 421,957; published Nov. 28, 1939. Class 23.

American Factors, Limited, Honolulu, Hawaii, to American Factors, Limited, Honolulu, Hawaii, and San Francisco, Calif. Canned foods and butter. 128,596; renewed Jan. 13, 1940.

American Lead Pencil Company, Hoboken, N. J. Lead pencils. 375,056; Feb. 6; Serial No. 422,166; published Nov. 28, 1939. Class 37.

American Musical Company, Philadelphia, Pa. Harmonica. 375,057; Feb. 6; Serial No. 422,193; published Nov. 28, 1939. Class 36.

American Type Founders, Incorporated, Elizabeth, N. J. Printers type. 375,091; Feb. 6; Serial No. 423,744; published Nov. 28, 1939. Class 14.

Ames Redbook Daily Ratings, Chicago, Ill. Printed forms. 375,098; Feb. 6; Serial No. 423,874; published Nov. 28, 1939. Class 38.

Aperion, Inc., Boston, Mass. Soup crackers. 374,991; Feb. 6; Serial No. 390,983; published Nov. 28, 1939. Class 46.

April, Abe, Fur Dyeing Corporation, New York, N. Y. Dyed fur skins. 374,994; Feb. 6; Serial No. 396,946; published Nov. 28, 1939. Class 1.

Archbald, Charles E., New Brunswick, N. J. Typewriter-ribbons, carbon-paper, and stencil-ink. 132,614; renewed June 29, 1940.

Arizona Hotel Association, Inc., Phoenix, Ariz. Bulletin. 375,041; Feb. 6; Serial No. 421,502; published Nov. 21, 1939. Class 38.

Armand Company, The, Des Moines, Iowa. Toilet soaps. 132,085; renewed June 15, 1940.

Atlantic Coast Fisheries Corporation of New York, New York, N. Y. Fresh and frozen fish fillets. 375,103; Feb. 6; Serial No. 423,938; published Nov. 21, 1939. Class 46.

Atlas Ball Company, Philadelphia, Pa. Metal balls used in bearings, valves, pigment grinding, etc. 375,061–2; Feb. 6; Serial Nos. 422,649–50; published Nov. 28, 1939. Class 23.

Badenoch, J. J., Co., Chicago, Ill., assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y. Cattle food. 129,123; renewed Jan. 27, 1940.

Baker, Stuart A., Chocolate Co. Inc., Toledo, Ohio. Ice-cream flavorings. 375,065; Feb. 6; Serial No. 422,803; published Nov. 28, 1939. Class 46.

Bard & Margolies, Inc., Brooklyn, N. Y. Candy. 375,070; Feb. 6; Serial No. 423,052; published Nov. 21, 1939. Class 46.

Bartlett Manufacturing Corporation, Cameron, Wis. Compressed air engines. 375,120; Feb. 6; Serial No. 424,149; published Nov. 28, 1939. Class 23.

Bay City Milling Company, Bay City, Mich. Wheat-flour and cornmeal. 131,959; renewed June 8, 1940.

Beauchamp, Joseph O., Springfield, Mass., assignor to Edward J. Beauchamp, Lewiston, Maine. Antiseptic. 132,295; renewed June 22, 1940.

Beck Vanilla Products Company, East St. Louis, Ill. Vanilla. 375,034–5; Feb. 6; Serial Nos. 421,064–5; published Nov. 28, 1939. Class 46.

Beck Vanilla Products Company, East St. Louis, Ill. Vanilla. 375,042; Feb. 6; Serial No. 421,509; published Nov. 28, 1939. Class 46.

Behr-Manning Corporation. (See Manning Abrasive Company Inc., assignor.)

Bendixen Tobacco Company, Syracuse, N. Y. Tobacco. 375,092; Feb. 6; Serial No. 423,749; published Nov. 28, 1939. Class 17.

Bennett, Constance, Inc., Los Angeles, Calif. Facial cream. 375,157; Feb. 6. Class 6.

Block, Leo P., Chattanooga, Tenn., to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., successor. Digestive medicine. 129,622; renewed Mar. 9, 1940.

Bodie-Hoover Petroleum Corporation, Chicago, Ill. Fuel oil. 375,101; Feb. 6; Serial No. 423,909; published Nov. 21, 1939. Class 15.

Bridgman, Roy W., San Jose, Calif. Perspiration-counteractor. 132,307; renewed June 22, 1940.

Brown Company, Portland, Maine, and Berlin, N. H. Papers. 375,051; Feb. 6; Serial No. 421,995; published Sept. 26, 1939. Class 37.

Brown & Sandelman Co., New York, N. Y. Dyed fur pelts. 375,000–1; Feb. 6; Serial Nos. 406,325–6; published Nov. 28, 1939. Class 1.

Bryant, Augustus H., Glen Ridge, to International Safety Razor Corporation, Bloomfield, N. J., successor. Razors. 130,661; renewed May 4, 1940.

Budlong Pickle Co., Chicago, Ill. Pickles, pickled onions, vegetable relishes, etc. 375,002; Feb. 6; Serial No. 406,493; published Nov. 21, 1939. Class 46.

Burlington Mills Incorporated, Burlington, Wis. Hair, wool, and jute felt products. 375,084; Feb. 6; Serial No. 423,625; published Nov. 28, 1939. Class 50.

California Lima Bean Growers Association, Oxnard, Calif. Dry lima beans. 132,636; renewed June 29, 1940.

Campbell Taggart Research Corporation, Kansas City, Mo. Bakery products. 375,099; Feb. 6; Serial No. 423,876; published Nov. 21, 1939. Class 46.

Candy Products Company. (See Stearns-Hollinshead Co., assignor.)

Capitol Yeast Company. (See Varnum Yeast Company.)

Central Rice Mill. (See Simon, Theophas.)

Certain-Teed Products Corporation, New York, N. Y. Structural insulating materials and for interior finish materials, etc. 375,105; Feb. 6; Serial No. 423,970; published Nov. 21, 1939. Class 12.

Chamberlain Haber Chemical Company, The, Cleveland, Ohio. Composition for opening clogged pipes, traps, and drains. 132,639; renewed June 29, 1940.

Chapman Valve Mfg. Co., The, Indian Orchard, Mass. Check valves and parts thereof and accessories therefor. 375,138; Feb. 6. Class 13.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 375,030; Feb. 6; Serial No. 420,449; published Nov. 21, 1939. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 375,066; Feb. 6; Serial No. 422,805; published Nov. 28, 1939. Class 38.

Cinaudagraph Corporation, Stamford, Conn. Magnet parts formed by casting. 375,073; Feb. 6; Serial No. 423,257; published Nov. 28, 1939. Class 21.

Cladite Incorporated, New York, N. Y. Protective preparation. 374,993; Feb. 6; Serial No. 393,895; published Nov. 21, 1939. Class 12.

Clayton Manufacturing Company, Alhambra, Calif. Hydrosteam cleaner outfits. 375,148; Feb. 6. Class 23.

Cleaver-Brooks Company, Milwaukee, Wis. Oil burning heaters. 375,023; Feb. 6; Serial No. 419,180; published Nov. 28, 1939. Class 34.

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, earrings, etc. 375,038; Feb. 6; Serial No. 421,341; published Nov. 21, 1939. Class 28.

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. 375,063; Feb. 6; Serial No. 422,657; published Nov. 21, 1939. Class 28.

Collegiate Manufacturing Company, Inc., New York, N. Y. Piece goods. 375,135; Feb. 6; Serial No. 424,577; published Nov. 28, 1939. Class 42.

Commonwealth Utilities Company, Chicago, Ill. Cameras and lenses. 375,004; Feb. 6; Serial No. 408,375; published Sept. 6, 1939. Class 26.

Compañia Industrial Film Español, S. A., Valencia, Spain. Sensitized films. 374,995; Feb. 6; Serial No. 398,239; published Nov. 28, 1939. Class 26.

Conde Nast Publications, Inc., The, New York, N. Y. Magazine section. 375,110; Feb. 6; Serial No. 424,031; published Nov. 21, 1939. Class 38.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lens blanks and lenses. 375,016; Feb. 6; Serial No. 416,314; published Nov. 28, 1939. Class 26.

Cook, Harry B., Pasadena, Calif. Medicinal preparation. 375,143; Feb. 6. Class 6.

Copperweld Steel Company, Glassport, Pa. Ties for securing electrical conducting wire to insulators. 375,027; Feb. 6; Serial No. 410,704; published Nov. 28, 1939. Class 21.

Crystaline Salt Company, Jersey City, N. J., and Boston, Mass., assignor, by mesne assignments, to Worcester Salt Company, New York, N. Y. Salt. 131,732; renewed May 25, 1940.

Curtain-Howe Corporation, New York, N. Y. Organic coating compositions. 375,088; Feb. 6; Serial No. 423,727; published Nov. 28, 1939. Class 16.

Detroit Alloy Steel Company, Detroit, Mich. Alloy steel castings. 375,045; Feb. 6; Serial No. 421,731; published Nov. 28, 1939. Class 14.

Dorr, Irene, Elkhorn, Wis. Medicinal salve. 375,150; Feb. 6. Class 6.

Driver-Harris Company, Harrison, N. J. Wire, rods, sheets, etc. 131,300; renewed May 11, 1940.

Driver-Harris Company, Harrison, N. J. Resistance material. 131,739; renewed May 25, 1940.

Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. Lubricating oils and greases. 375,008; Feb. 6; Serial No. 411,683; published Nov. 21, 1939. Class 15.

Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Adjustable camera-supporting clamps and tripod-adapters. 128,368; renewed Jan. 6, 1940.

Eaton Paper Corporation, Pittsfield, Mass. Stationery. 375,122; Feb. 6; Serial No. 424,197; published Nov. 21, 1939. Class 37.

Eitel-McCullough, Inc., San Bruno, Calif. Vacuum tubes. 375,118; Feb. 6; Serial No. 424,126; published Nov. 28, 1939. Class 21.

Electric Railway Improvement Company, The, Cleveland, Ohio. Connectors and bonds for electrically connecting railway rails. 375,109; Feb. 6; Serial No. 424,001; published Nov. 28, 1939. Class 21.

Embalmers' Supply Company, The, Westport, Conn. Casket pedestals, day beds, bed ends, etc. 375,026; Feb. 6; Serial No. 419,750; published Nov. 21, 1939. Class 32.

Empire Silk Company, Wilmington, Del., and New York, N. Y., assignor to I. Schneierson & Sons Inc., New York, N. Y. Silk piece goods. 127,823; renewed Dec. 9, 1939.

F. & N. Lawn Mower Company, The, Richmond, Ind. Lawn mowers and parts thereof. 375,024–5; Feb. 6; Serial Nos. 419,477–8; published Nov. 28, 1939. Class 23.

Faber, Eberhard, New York and Brooklyn, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead-pencils, penholders, rubber erasers, etc. 129,700; renewed Mar. 9, 1940.

Far-Wal Company, Chicago, Ill. Record cards and paper box containers, recording books, etc. 375,075; Feb. 6; Serial No. 423,293; published Nov. 28, 1939. Class 37.

Federal Supply Company, Inc., Washington, D. C. Electrical flashlights and lanterns. 375,121; Feb. 6; Serial No. 424,165; published Nov. 28, 1939. Class 21.

Fibre Conduit Company, The, Orangeburg, N. Y. Conduit, ducts, and pipes, and fittings for the same. 375,012; Feb. 6; Serial No. 413,628; published Nov. 21, 1939. Class 12.

Filmrite Laboratories, The, Ann Arbor, Mich. Photographic prints. 375,152; Feb. 6. Class 38.

Fisher, Frank J., to Joseph E. Fisher, Oconto, Wis., successor. Beverages. 129,156; renewed Jan. 27, 1940.

Fleetham, Hubert J., doing business as Hiawatha Products Company, Minneapolis, Minn., assignor to Lucien D. Sparks, Minneapolis, Minn. Tomato juice cocktails. 375,111; Feb. 6; Serial No. 424,037; published Nov. 28, 1939. Class 46.

Foodcraft Products. (See United Buyers Corporation.)

Fowler, Leonard. (See Rockwell, Louis, and Leonard Fowler.)

Funk Bros. Seed Co., Incorporated, Bloomington, Ill. Seed corn. 375,081; Feb. 6; Serial No. 423,460; published Nov. 28, 1939. Class 1.

Galter, Jack, Chicago, Ill. Toy and model airplanes and parts thereof. 375,131; Feb. 6; Serial No. 424,473; published Nov. 21, 1939. Class 22.

Garrett & Company, Inc., Brooklyn, N. Y. Wines. 375,080; Feb. 6; Serial No. 423,418; published Nov. 28, 1939. Class 47.

Gartenlaub, Eve, New York, N. Y. Corn cure. 128,706; renewed Jan. 13, 1940.

Gato, Eduardo H., Jr., Key West, Fla. Cigars. 375,059–60; Feb. 6; Serial Nos. 422,405–6; published Nov. 28, 1939. Class 17.

Gaughan & Painter, Jeannette, Pa., assignor, by mesne assignments, to Ace Manufacturing Co., Chicago, Ill. Hair-tonics. 129,459; renewed Feb. 24, 1940.

General Communication Company, Boston, Mass. Instrument for measuring the direction and velocity of the wind. 375,072; Feb. 6; Serial No. 423,211; published Nov. 28, 1939. Class 26.

General Tire & Rubber Company, The, Akron, Ohio. Camelback, a strip of unvulcanized rubber compound. 375,005; Feb. 6; Serial No. 410,257; published Nov. 28, 1939. Class 1.

Germain Seed & Plant Company, Los Angeles, Calif. Processed paper used for plant covers. 375,037; Feb. 6; Serial No. 421,286; published Nov. 28, 1939. Class 37.

Gilmore, Cecile, New York, N. Y. Printed paper napkins. 375,018; Feb. 6; Serial No. 416,508; published Nov. 28, 1939. Class 37.

Goldblatt Brothers, Inc., Chicago, Ill. Vehicle tires. 375,053; Feb. 6; Serial No. 422,051; published Nov. 21, 1939. Class 35.

Goldsmit-Black, Inc., Pittsburgh, Pa. Pipes. 375,113; Feb. 6; Serial No. 424,084; published Nov. 28, 1939. Class 8.

Grand Rapids Paint and Enamel Company, Grand Rapids, Mich. Antifreeze solution. 375,151; Feb. 6. Class 6.

Great Atlantic & Pacific Tea Company, The. (See Badenoch, J. J., Co., assignor.)

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Oleomargarin. 131,986; renewed June 8, 1940.

Groth, Herman A., Chicago, to Herman A. Groth, Oak Park, Ill. Printed books and pamphlets. 129,735; renewed Mar. 9, 1940.

Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oils. 375,102; Feb. 6; Serial No. 423,911; published Nov. 21, 1939. Class 15.

Hammond Machinery Builders, Kalamazoo, Mich. Printing machinery. 375,074; Feb. 6; Serial No. 423,287; published Nov. 28, 1939. Class 23.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils. 375,022; Feb. 6; Serial No. 419,076; published Nov. 28, 1939. Class 37.

Harmonic Reed Corporation, Philadelphia, Pa. Harmonicas and reeds therefor. 375,068; Feb. 6; Serial No. 422,932; published Nov. 28, 1939. Class 36.

Harriman Manufacturing Company, The, Harriman, Tenn. Cultivators, planters, and fertilizer-distributers. 131,318; renewed May 11, 1940.

Harris, Abraham, New York, N. Y. Fountain-pens. 132,699; renewed June 29, 1940.

Harris Langenberg Hat Co. (See Langenberg Hat Company.)

Hässler, Max, Buenos Aires, Argentina. Wall calendars. 375,039; Feb. 6; Serial No. 421,459; published Nov. 28, 1939. Class 38.

Heide, Henry, Incorporated, New York, N. Y. Candies. 375,104; Feb. 6; Serial No. 423,949; published Nov. 21, 1939. Class 46.

Hershel California Fruit Products Co. (See Salsina Canning & Packing Co., assignor.)

Hiawatha Products Company. (See Fleetham, Hubert J.)

Hilco Products. (See Hill, Howard L.)

Hill, Howard L., doing business as Hilco Products, New York, N. Y. Mirrors, utility storage cabinets, medicine cabinets, etc. 375,132; Feb. 6; Serial No. 424,477; published Nov. 21, 1939. Class 32.

Hooper, Wm. E., & Sons Co., Baltimore, Md. Waterproof canvas piece goods, dyed. 375,083; Feb. 6; Serial No. 423,600; published Nov. 28, 1939. Class 50.

Horton, Arthur, Valparaiso, Ind. Eggs. 375,019; Feb. 6; Serial No. 416,690; published Nov. 21, 1939. Class 46.

Humphreys Homeopathic Medicine Co., New York, N. Y. Preparation for the treatment of certain named diseases and affections. 132,415; renewed June 22, 1940.

Humphreys Homeopathic Medicine Co., New York, N. Y. Homeopathic medicines. 132,416; renewed June 22, 1940.

Humphreys Homeopathic Medicine Co., New York, N. Y. Witch-hazel and ointment containing witch-hazel. 132,417; renewed June 22, 1940.

Hygrade Sylvania Corporation, Salem, Mass. Fluorescent tubing for electric discharge lamps. 375,129; Feb. 6; Serial No. 424,303; published Nov. 28, 1939. Class 21.

International Safety Razor Corporation. (See Bryant, Augustus H.)

Inter-State Grove Properties, Inc., Tampa, Fla. Fresh citrus fruits. 375,114; Feb. 6; Serial No. 424,080; published Nov. 28, 1939. Class 46.

Ivorycraft Co., Inc., Long Island City, N. Y. Chinese game. 375,007; Feb. 6; Serial No. 410,736; published Nov. 21, 1939. Class 22.

Ivy Corset Company, Worcester, Mass. Corsets, brassières, bust-supporters, etc. 132,420; renewed June 22, 1940.

J & R Motor Supply Company, Chicago, Ill. Radio receiving sets. 375,154; Feb. 6. Class 21.

Jordeau, Jean, Inc. (See Schlesinger, Harry, assignor.)

Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. 375,013; Feb. 6; Serial No. 413,714; published Apr. 11, 1939. Class 39.

Joyner, Jennie, Philadelphia, Pa. Hair pomade, hair pressing oil, hair curling wax, etc. 375,147; Feb. 6. Class 6.

Juster, Avram, New York, to Avram Juster, Brooklyn, N. Y. Medicines. 128,744; renewed Jan. 13, 1940.

Kilborn-Sauer Company, The, Fairfield, Conn. Automobile light brackets, rear view mirrors, and mounting brackets therefor, etc. 375,093; Feb. 6; Serial No. 423,763; published Nov. 28, 1939. Class 19.

King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 375,115; Feb. 6; Serial No. 424,091; published Nov. 21, 1939. Class 38.

Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Cars and trucks and car-wheels, etc. 129,990; renewed Mar. 16, 1940.

Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Electric locomotives, electric tractors. 130,333; renewed Apr. 20, 1940.

Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Pipe, railway-spikes, and bolts, nuts, etc. 130,782; renewed May 4, 1940.

Koppel Industrial Car & Equipment Company, Koppel and Pittsburgh, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Railway appliances and parts thereof. 130,783; renewed May 4, 1940.

Kroger Grocery & Baking Company, The, doing business as Wesco Foods Company, Cincinnati, Ohio. Canned pork and beans with tomato sauce and red kidney beans with tomato sauce. 375,006; Feb. 6; Serial No. 410,511; published Nov. 21, 1939. Class 46.

Kuhls, H. B. Fred, Estate of, New York, N. Y. Preparation in the nature of a calking compound. 375,046; Feb. 6; Serial No. 421,808; published Nov. 21, 1939. Class 12.

Kurtz Bros., Inc., Clearfield, Pa. Composition books, note books, and spelling blanks. 375,076; Feb. 6; Serial No. 423,306; published Nov. 21, 1939. Class 37.

Laco Products, Inc. (See Pompeian Mfg. Co., assignor.)

La Monte, George, & Son, Nutley, N. J., and New York, N. Y., to George La Monte & Son, New York, N. Y., and Nutley, N. J. Safety-paper. 131,010; renewed May 4, 1940.

Langenberg Hat Company, St. Louis, Mo., now, by change of name to Harris Langenberg Hat Co. Gloves. 132,435; renewed June 22, 1940.

Lavanburg, Fred L., Company, Inc., Brooklyn, N. Y. Toners and lakes for use in paint enamels, etc. 375,054; Feb. 6; Serial No. 422,136; published Nov. 28, 1939. Class 16.

Lavino, E. J., and Company, Philadelphia, Pa. Expansion plates for basic furnace construction. 375,086; Feb. 6; Serial No. 423,668; published Nov. 28, 1939. Class 12.

Leonard, Gerome, doing business as Gerome Leonard Company, New York, N. Y. Wool and rayon mixture goods in the piece. 375,089; Feb. 6; Serial No. 423,734; published Nov. 28, 1939. Class 42.

Limpert Bros., Inc., New York, N. Y., to Limpert Bros., Inc., New York, N. Y., and Vineland, N. J. Extract having a maple flavor and used for flavoring desserts, ice-cream, etc., and syrups used as food. 130,797; renewed May 4, 1940.

Lowe, Joe, Corporation, New York, N. Y. Frozen confectionery products. 375,125; Feb. 6; Serial No. 424,235; published Nov. 28, 1939. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Automatic doughnut forming and cooking machines. 375,126; Feb. 6; Serial No. 424,236; published Nov. 28, 1939. Class 23.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Lubricating oils and greases, lubricating oil compounds, etc. 375,055; Feb. 6; Serial No. 422,140; published Nov. 21, 1939. Class 15.

Maine, State of, Augusta, Maine. Fresh vegetables; potatoes; fresh lobsters, etc. 375,145; Feb. 6. Class 46.

Mall Tool Company, Chicago, Ill. Portable power tools. 375,009; Feb. 6; Serial No. 412,349; published Nov. 28, 1939. Class 21.

Manning Abrasive Company Inc., assignor to Behr-Manning Corporation, Troy, N. Y. Abrasive or grinding belts. 132,453; renewed June 22, 1940.

Marchant Calculating Machine Company, Emeryville, Calif. Trade journal. 375,017; Feb. 6; Serial No. 416,443; published Nov. 21, 1939. Class 38.

Marshall Canning Company, Marshalltown, Iowa. Canned beans. 129,025; renewed Jan. 20, 1940.

Master Builders Company, The, Cleveland, Ohio. Material for curing, protecting, and coloring concrete surfaces. 375,079; Feb. 6; Serial No. 423,337; published Nov. 21, 1939. Class 12.

Mayer, Richard, New York, N. Y. Smoker's combination set. 375,106; Feb. 6; Serial No. 423,979; published Nov. 28, 1939. Class 8.

McKenzie Engraving Company, Boston, Mass. Greeting cards. 375,090; Feb. 6; Serial No. 423,737; published Nov. 21, 1939. Class 38.

McKesson & Robbins, Inc., Estate of. (See Block, Leo P.)

Mend-Sox, New York, N. Y. Electrical heating form. 375,146; Feb. 6. Class 21.

Mid-States Gummed Paper Co., Chicago, Ill. Flat gummed paper. 375,044; Feb. 6; Serial No. 421,663; published Oct. 10, 1939. Class 37.

Miller, James, Manufacturing Company, Inc., Malden, Mass. Dielectric material. 375,029; Feb. 6; Serial No. 420,423; published Nov. 28, 1939. Class 21.

Millville Manufacturing Company, The, Philadelphia, Pa. Cambrics. 375,094; Feb. 6; Serial No. 423,819; published Nov. 28, 1939. Class 42.

Morand Bros. Beverage Company, Chicago, Ill. Whisky. 375,064; Feb. 6; Serial No. 422,754; published Nov. 21, 1939. Class 49.

Mueller, L. J., Furnace Company, Milwaukee, Wis. Automatic gas control pressure regulating valves for heating apparatus. 375,043; Feb. 6; Serial No. 421,574; published Nov. 28, 1939. Class 13.

Musher & Company, Incorporated, New York, N. Y.; San Diego, Calif.; Baltimore, Md.; and Washington, D. C., assignor, by mesne assignments, to Pompeian Olive Oil Corporation, Baltimore, Md. Olive-oil. 132,024; renewed June 8, 1940.

Mutual Orange Distributors, Redlands, Calif. Beverages, concentrates, and extracts for making same. 374,999; Feb. 6; Serial No. 405,311; published June 7, 1938. Class 45.

Nachman Springfilled Corporation, Chicago, Ill. Resilient pads for mattresses and cushions. 375,048; Feb. 6; Serial No. 421,891; published Nov. 21, 1939. Class 32.

Nachman Springfilled Corporation, Chicago, Ill. Spring assemblies for upholstery and upholstery units. 375,049; Feb. 6; Serial No. 421,892; published Nov. 21, 1939. Class 32.

Nash, Whiton & Co., assignor, by mesne assignments, to Worcester Salt Company, New York, N. Y. Salt. 18,066; re-renewed June 24, 1940.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Brooms, whisk brooms, scrubbing brushes, etc. 375,085; Feb. 6; Serial No. 423,634; published Nov. 28, 1939. Class 29.

National Lock Co., Rockford, Ill. Stove, refrigerator, and furniture trim and hinges. 375,095; Feb. 6; Serial No. 423,822; published Nov. 28, 1939. Class 13.

Neenah Paper Co., Neenah, Wis. Bond-paper. 132,214; renewed June 15, 1940.

Newberry, J. J., Company, New York, N. Y. Sanitary napkins and elastic webbing supports for sanitary napkins. 375,133; Feb. 6; Serial No. 424,491; published Nov. 28, 1939. Class 44.

Nomend Hosiery Mills N. B. Laubach Co. Inc., now, by merger NoMend Hosiery, Inc., Philadelphia, Pa. Hosiery. 132,218, renewed June 15, 1940.

North American Rayon Corporation, New York, N. Y. Piece goods. 375,096; Feb. 6; Serial No. 423,827; published Nov. 28, 1939. Class 42.

Nu-Way Strech Suspender Company, assignor to Nu-Way Strech Company, Adrian, Mich. Suspenders and garters. 131,203; renewed May 4, 1940.

Nydin, Alf C., doing business as Nydin Publications, Seattle, Wash. Periodical. 375,107; Feb. 6; Serial No. 423,984; published Nov. 28, 1939. Class 38.

Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated flatware. 375,116–7; Feb. 6; Serial Nos. 424,097–8; published Nov. 21, 1939. Class 28.

Orange Judd Company, New York, assignor, by mesne assignments, to American Agriculturist, Inc., Ithaca, N. Y. Newspapers. 17,950; re-renewed May 27, 1940.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 375,021; Feb. 6; Serial No. 417,181; published May 23, 1939. Class 15.

Paruta, A., Passaic, N. J. Canned lentils, split peas, beans, etc. 374,998; Feb. 6; Serial No. 404,658; published Nov. 21, 1939. Class 46.

Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco. 375,069; Feb. 6; Serial No. 422,972; published Nov. 28, 1939. Class 17.

Pepperell Manufacturing Company, Boston, Mass. Blankets and blanket cloth. 375,134; Feb. 6; Serial No. 424,492; published Nov. 28, 1939. Class 42.

Peter, Bud J., Santa Rosa, Calif. Beverages and syrups for making same. 375,127; Feb. 6; Serial No. 424,277; published Nov. 28, 1939. Class 45.

Pompeian Mfg. Co., The, Cleveland, Ohio, assignor, by mesne assignments, to Laco Products, Inc., Baltimore, Md. Pharmaceutical preparations. 132,490; renewed June 22, 1940.

Pompeian Olive Oil Corporation. (See Musher & Company, Incorporated, assignor.)

Poor & Company. (See Vermilion Malleable Iron Company, assignor.)

Pressed Steel Car Company, Inc. (See Koppel Industrial Car & Equipment Company, assignor.)

Progress Publishing Co. Inc., Hammond, La. Weekly newspaper. 374,996; Feb. 6; Serial No. 403,420; published Nov. 21, 1939. Class 38.

Quakertown Stove Works, Quakertown, Pa. Heaters, stoves, and ranges. 132,785; renewed June 29, 1940.

Quality Products Co., Inc., New York, N. Y. Finger wave lotion. 375,139; Feb. 6. Class 6.

Rachelson, Sam, doing business as Southern Merchandise Company, Atlanta, Ga. Razor blades. 375,130; Feb. 6; Serial No. 424,313; published Nov. 28, 1939. Class 23.

Reed & Prince Manufacturing Company, Worcester, Mass. Screws, bolts, nuts, etc. 375,052; Feb. 6; Serial No. 422,017; published Nov. 28, 1939. Class 13.
Reed, W. H., Memphis, Tenn. Wood creosote. 375,153; Feb. 6. Class 6.
Reliance Varnish Company, Inc., Louisville, Ky. Stains, varnishes, lacquers, etc. 375,010; Feb. 6; Serial No. 412,365; published Nov. 28, 1939. Class 16.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Smoking and chewing tobacco. 130,879; renewed May 4, 1940.
Reynolds & Reynolds Company, The, Dayton, Ohio. Accounting forms. 375,003; Feb. 6; Serial No. 407,284; published Nov. 28, 1939. Class 37.
Rheingold Cheese Company, Chicago, Ill. Cheese and cheese spreads. 374,992; Feb. 6; Serial No. 393,617; published Nov. 21, 1939. Class 46.
Rice Growers Association of California, Sacramento, Calif. Rice. 375,077; Feb. 6; Serial No. 423,314; published Nov. 28, 1939. Class 46.
Rockville Motor Accessories, Inc., New York, N. Y. Clutch controlled brake holding locks for automotive vehicles. 374,990; Feb. 6; Serial No. 387,476; published Nov. 28, 1939. Class 19.
Rockwell, Louis, and Leonard Fowler, Carpentersville, Ill. Series of patriotic articles. 375,058; Feb. 6; Serial No. 422,218; published Nov. 21, 1939. Class 38.
Rocky Mountain Packing Corporation, Salt Lake City, Utah. Frozen vegetables, frozen fruits, and frozen poultry. 375,149; Feb. 6. Class 46.
Roggli Brothers, Hilterfingen, Switzerland. Flower and vegetable seeds. 375,020; Feb. 6; Serial No. 416,872; published Nov. 21, 1939. Class 1.
Salsina Canning & Packing Co., assignor, by mesne assignments, to Hershel California Fruit Products Co., San Jose, Calif. Solid-pack canned tomatoes. 128,262; renewed Dec. 30, 1939.
Scallan Supply Company, The, Cincinnati, Ohio. Fire-extinguishing syringes. 130,570; renewed Apr. 27, 1940.
Schlesinger, Harry, Brooklyn, N. Y., assignor, by mesne assignments, to Jean Jordeau, Inc., South Orange, N. J. Remedy for corns, callouses, warts, and bunions. 128,847; renewed Jan. 13, 1940.
Schneierson, I., & Sons Inc. (See Empire Silk Company, assignor.)
Severson, Martin, Galesville, Wis. Seed corn and other field seeds. 375,100; Feb. 6; Serial No. 423,898; published Nov. 28, 1939. Class 1.
Sharp, K. K., Holtville, Calif. Fresh carrots. 375,014; Feb. 6; Serial No. 414,711; published Nov. 21, 1939. Class 46.
Shaw, Alex. D., & Co., assignor to Alex. D. Shaw & Co., Inc., New York, N. Y. Soap. 132,243; renewed June 15, 1940.
Simon, Theophas, doing business as Central Rice Mill, Crowley, La. Rice. 375,097; Feb. 6; Serial No. 423,836; published Nov. 28, 1939. Class 46.
Simonds Manufacturing Company, assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 132,245; renewed June 15, 1940.
Slough, Glen S., Harrisburg, Pa. Base metal cooking and table hollowware. 375,040; Feb. 6; Serial No. 421,465; published Nov. 28, 1939. Class 13.
Smith, R. P., & Co., to Mary E. Smith, doing business as R. P. Smith & Co., Georgetown, Ill., successor. Pile remedy. 127,791; renewed Dec. 2, 1939.
Southern Merchandise Company. (See Rachelson, Sam.)
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, golf clubs, and rackets. 375,087; Feb. 6; Serial No. 423,680; published Nov. 21, 1939. Class 22.
Sparks, Lucien D. (See Fleetham, Hubert J.)
Stearns-Hollinshead Co., assignor, by mesne assignments, to Candy Products Company, Portland, Oreg. Candies. 128,869; renewed Jan. 13, 1940.
Steber Manufacturing Co., Chicago, Ill. Electric lighting fixtures. 375,123; Feb. 6; Serial No. 424,212; published Nov. 28, 1939. Class 21.
Steryl Products Corp., Philadelphia, Pa. Deodorant to be used in flush tanks. 375,140; Feb. 6. Class 6.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 130,418; renewed Apr. 20, 1940.
Stirn, L. & E., Inc., New York, N. Y. Fabrics in the piece. 375,119; Feb. 6; Serial No. 424,143; published Nov. 28, 1939. Class 42.
Sullivan Manufacturing Co. Inc., North Syracuse, N. Y. Paper napkins. 375,108; Feb. 6; Serial No. 423,988; published Nov. 28, 1939. Class 37.
Suni-Citrus Products Company, Haines City, Fla. Dried citrus pulp. 375,032; Feb. 6; Serial No. 420,659; published Nov. 28, 1939. Class 46.
Superior Porcelain Company, Parkersburg, W. Va. Electric porcelain insulators. 374,997; Feb. 6; Serial No. 403,480; published Nov. 28, 1939. Class 21.
Superior Sheet Steel Company, The, Canton, Ohio. Galvanized steel sheets. 375,112; Feb. 6; Serial No. 424,068; published Nov. 28, 1939. Class 14.
Suzuki, Eitaro, Hiroshima, Japan. Seasoning preparation. 375,155; Feb. 6. Class 46.
Swift and Company, Chicago, Ill. Hams, bacon, and shoulders. 130,940; renewed May 4, 1940.
Tarr Pharmacal Co., assignor to Tarr Drug, Inc., Cleveland, Ohio. Antiseptic oil; tannic acid jelly, antiseptic ointment, etc. 375,141; Feb. 6. Class 6.
Teller, Robert, Sons & Dorner, New York, N. Y. Games. 375,028; Feb. 6; Serial No. 420,190; published Nov. 21, 1939. Class 22.
Terre Haute Brewing Company, Inc., Terre Haute, Ind. Beer. 375,124; Feb. 6; Serial No. 424,214; published Nov. 28, 1939. Class 48.
Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrus fruit and canned citrus juices. 375,156; Feb. 6. Class 46.
Thomas & Company, Frederick, Md. Canned vegetables. 375,047; Feb. 6; Serial No. 421,822; published Nov. 21, 1939. Class 46.
Trade Laboratories, Inc., The, Newark, N. J. Dental cream. 375,136; Feb. 6. Class 6.
Tremco Manufacturing Company, The, Cleveland, Ohio. Column published in a monthly publication. 375,036; Feb. 6; Serial No. 421,214; published Nov. 28, 1939. Class 38.
Ubiko Milling Company, The, St. Bernard, Ohio. Dairy ration. 132,059; renewed June 8, 1940.
Union Nurseries & Company, Ltd., Los Angeles, Calif. Flowers and plants. 375,067; Feb. 6; Serial No. 422,838; published Nov. 28, 1939. Class 1.
United Buyers Corporation, also doing business as Foodcraft Products, Chicago, Ill. Toilet soap, laundry soap, soap powder, etc. 375,082; Feb. 6; Serial No. 423,580; published Nov. 21, 1939. Class 4.
Varnum Yeast Company, also doing business as Capitol Yeast Company, West Brookfield, Mass. Yeast. 375,015; Feb. 6; Serial No. 415,274; published Nov. 28, 1939. Class 46.
Vermilion Malleable Iron Company, assignor to Poor & Company, Chicago, Ill. Malleable-iron castings. 131,659; renewed May 18, 1940.
Vesuvius Crucible Company, Swissvale, Pa. Crucibles. 128,558; renewed Jan. 6, 1940.
Wander Company, The, Chicago, Ill. Preparation of malted milk and a chocolate flavored dairy syrup. 375,078; Feb. 6; Serial No. 423,320; published Nov. 21, 1939. Class 46.
Waples-Platter Grocer Company, Denison, now by change of name to Waples Platter Company, Fort Worth, Tex. Foods. 132,067; renewed June 8, 1940.
Ward Baking Company, New York, N. Y. Bread. 131,264; renewed May 4, 1940.
Ward, Samuel, Manufacturing Company, Boston, Mass. Fountain-pens, steel pens, lead-pencils, etc. 128,563; renewed Jan. 6, 1940.
Wardall, William J. (See Block, Leo P.)
Webb, B. Lucas, Columbia, S. C. Wax and stain floor-finish. 132,583; renewed June 22, 1940.
Webster Electric Company, Racine, Wis. Oil burner fuel pumps. 375,137; Feb. 6. Class 23.
Wesco Foods Company. (See Kroger Grocery & Baking Company, The.)
White Stokes Co., Inc., to White-Stokes Company, Inc., Chicago, Ill., successor. Foods. 128,576; renewed Jan. 6, 1940.
Whiting Paper Company, Holyoke, Mass. Writing-paper and mailing-envelopes. 132,276; renewed June 15, 1940.
Whiting Paper Company, Holyoke, Mass. Writing-paper. 132,586; renewed June 22, 1940.
Wilken Family, Incorporated, The, New York, N. Y., Lawrenceburg, Ind., and Alladin, Pa. Whiskey, gin, rum, etc. 375,011; Feb. 6; Serial No. 412,842; published Nov. 21, 1939. Class 49.
Worcester Salt Company. (See Crystaline Salt Company, assignor.)
Worcester Salt Company. (See Nash, Whiton & Co., assignor.)
Wright, Layman & Umney, Limited, assignor to Wright Layman & Umney Limited, London, England. Perfumed soap. 129,947; renewed Mar. 9, 1940.
Yakima Valley Spray Company, Yakima, Wash. Mineral compound for general stock feeding. 375,144; Feb. 6. Class 6.
Youngstown Sheet & Tube Company, The, Youngstown, Ohio. Ferrous bars, rods and wire. 375,128; Feb. 6; Serial No. 424,284; published Nov. 28, 1939. Class 14.
Zieschang, Paul C., Columbus, Ohio. Liquid medicine. 132,869; renewed June 29, 1940.

LIST OF REGISTRANTS OF LABELS

Album of the Month Society. (See Nussbaum, W. H.)
Bice Oil Company, Kerryville, Tex. Tic-Ded. For a General Live Stock Spray for the Destruction of Ticks, Lice, Etc. 54,243; Feb. 6.
Cheney, Mary C., doing business as The D. I. Kelley Co., Narragansett, R. I. The Pocahontas Herb Tablets. For Herb Tablets. 54,244; Feb. 6.
Froehlich, Jacob, Cabinet Works, New York, N. Y. Supreme Shuffleboard. For Shuffleboards. 54,245; Feb. 6.
Griffin, W. L., Los Angeles, Calif. Missouri Hickory Barbecue Sauce. For Barbecue Sauce. 54,246; Feb. 6.
Kelley, D. I., Co., The. (See Cheney, Mary C.)
Marr, William G., Chicago, Ill. W. G. Marr's Quick Action Face Liniment. For a Face Liniment. 54,247; Feb. 6.
National Brewing Co., The, Baltimore, Md. National Bohemian. For Bock Beer. 54,248; Feb. 6.
Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Good Luck Perfume. For Perfume. 54,249; Feb. 6.
Nussbaum, W. H., doing business as Album of the Month Society, New York, N. Y. Album of the Month Society. For Phonograph Records and Phonograph Record Albums. 54,250; Feb. 6.
Pearson, S. E., doing business as The S. E. Pearson Mfg. Co., Kansas City, Kans., and Chicago, Ill. Vise-Tite Water Safety Engine Plug. For Engine Plugs. 54,251; Feb. 6.
Valmor Products Company. (See Neumann, Morton G.)
Weeber, Marion, New York, N. Y. Marion Weeber Jewelry American Artist. For Jewelry. 54,252; Feb. 6.

LIST OF REGISTRANTS OF PRINTS

Anderson Company, The, Gary, Ind. Charge-Master. For Instruments to Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. 17,825; Feb. 6.
De Laval Separator Co., The, New York, N. Y. The World's Standard for 62 Years. For Cream Separators and Milkers. 17,826; Feb. 6.
Exclusive Beauty Products Co., Chicago, Ill. Awt-O-Matic. For Powder Compacts. 17,827; Feb. 6.
Fritsch, Lewis A., Cincinnati, Ohio. B. L. E. Back and Body Warmer. For Abdominal Belts. 17,828; Feb. 6.
Imperial Knife Company, Inc., Providence, R. I. Sportsmaster Heavy Duty Outdoor Knife. For Heavy Duty Outdoor Knives. 17,829; Feb. 6.
Salkot Co., Whitestone, N. Y. Self-Draining Soap Holder. For Self-Draining Soap Holders. 17,830; Feb. 6.
West Coast Lumbermen's Association, Seattle, Wash. A Blue Ox Structure. For Douglas Fir Timbers. 17,831; Feb. 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Camelback, a strip of unvulcanized rubber compound. General Tire & Rubber Company. 375,005; Feb. 6; Serial No. 410,257; published Nov. 28, 1939.
Flowers and plants. Union Nurseries & Company. 375,067; Feb. 6; Serial No. 422,838; published Nov. 28, 1939.
Pelts, Dyed fur. Brown & Saudelman Co. 375,000–1; Feb. 6; Serial Nos. 406,325–6; published Nov. 28, 1939.
Seed corn. Funk Bros. Seed Co. 375,081; Feb. 6; Serial No. 423,460; published Nov. 28, 1939.
Seed corn and other field seeds. M. Severson. 375,100; Feb. 6; Serial No. 423,898; published Nov. 28, 1939.
Seeds, Flower and vegetable. Roggli Brothers. 375,020; Feb. 6; Serial No. 416,872; published Nov. 21, 1939.
Skins, Dyed fur. Abe April Fur Dyeing Corporation. 374,994; Feb. 6; Serial No. 396,946; published Nov. 28, 1939.

CLASS 4

Abrasive or grinding belts. Manning Abrasive Company Inc. 132,453; renewed June 22, 1940.
Soap. Alex. D. Shaw & Co. 132,243; renewed June 15, 1940.
Soap, laundry soap, soap powder, etc., Toilet. United Buyers Corporation. 375,082; Feb. 6; Serial No. 423,580; published Nov. 21, 1939.
Soap, Perfumed. Wright, Laymen & Umney, Limited. 129,947; renewed Mar. 9, 1940.
Soaps, Toilet. Armand Company. 132,085; renewed June 15, 1940.

CLASS 6

Antifreeze solution. Grand Rapids Paint and Enamel Company. 375,151; Feb. 6.
Antiseptic. J. O. Beauchamp. 132,295; renewed June 22, 1940.
Antiseptic oil; tannic acid jelly; antiseptic ointment, etc. Tarr Pharmacal Co. 375,141; Feb. 6.
Composition for opening clogged pipes, traps, and drains. Chamberlain Haber Chemical Company. 132,639; renewed June 29, 1940.
Compound for general stock feeding, Mineral. Yakima Valley Spray Company. 375,144; Feb. 6.
Corn cure. E. Gartenlaub. 128,706; renewed Jan. 13, 1940.
Cream, Facial. Constance Bennett, Inc. 375,157; Feb. 6.
Creosote, Wood. W. H. Reed. 375,153; Feb. 6.
Dental cream. Trade Laboratories, Inc. 375,136; Feb. 6.
Deodorant to be used in flush tanks. Steryl Products Corp. 375,140; Feb. 6.
Hair tonics. Gaughan & Painter. 129,459; renewed Feb. 24, 1940.
Lotion, Finger wave. Quality Products Co. 375,139; Feb. 6.
Medicinal preparation. H. B. Cook. 375,143; Feb. 6.
Medicine, Digestive. L. P. Block. 129,622; renewed Mar. 9, 1940.
Medicine, Liquid. P. C. Zeischang. 132,869; renewed June 29, 1940.
Medicines. A. Juster. 128,744; renewed Jan. 13, 1940.
Medicines, Homeopathic. Humphreys Homeopathic Medicine Co. 132,416; renewed June 22, 1940.
Perspiration-counteractor. R. W. Bridgman. 132,307; renewed June 22, 1940.
Pharmaceutical preparations. Pompeian Mfg. Co. 132,490; renewed June 22, 1940.
Pile remedy. R. P. Smith & Co. 127,791; renewed Dec. 2, 1939.
Pomade, hair pressing oil, hair curling wax, etc., Hair. J. Joyner. 375,147; Feb. 6.
Preparation for the treatment of certain named diseases and affections. Humphreys Homeopathic Medicine Co. 132,415; renewed June 22, 1940.
Remedy for corns, callouses, warts, and bunions. H. Schlesinger. 128,847; renewed Jan. 13, 1940.
Salt. Crystaline Salt Company. 131,732; renewed May 25, 1940.
Salve, Medicinal. I. Dorr. 375,150; Feb. 6.
Slug and snail exterminator. H. H. Adams. 375,142; Feb. 6.
Witch-hazel and ointment containing witch-hazel. Humphreys Homeopathic Medicine Co. 132,417; renewed June 22, 1940.

CLASS 8

Pipes. Goldsmit-Black, Inc. 375,113; Feb. 6; Serial No. 424,084; published Nov. 28, 1939.
Smoker's combination set. R. Mayer. 375,106; Feb. 6; Serial No. 423,979; published Nov. 28, 1939.

CLASS 11

Typewriter-ribbons, carbon-paper, and stencil-ink. C. E. Archbald. 132,614; renewed June 29, 1940.

CLASS 12

Conduit, ducts, and pipes, and fittings for the same. Fibre Conduit Company. 375,012; Feb. 6; Serial No. 413,628; published Nov. 21, 1939.
Insulating materials and for interior finish materials, etc. Certain-Teed Products Corporation. 375,105; Feb. 6; Serial No. 423,970; published Nov. 21, 1939.
Material for curing, protecting, and coloring concrete surfaces. Master Builders Company. 375,079; Feb. 6; Serial No. 423,337; published Nov. 21, 1939.
Plates for basic furnace construction, Expansion. E. J. Lavino and Company. 375,086; Feb. 6; Serial No. 423,668; published Nov. 28, 1939.
Preparation in the nature of a calking compound. Estate of H. B. Fred. Kuhls. 375,046; Feb. 6; Serial No. 421,808; published Nov. 21, 1939.
Protective preparation. Cladite Incorporated. 374,993; Feb. 6; Serial No. 393,895; published Nov. 21, 1939.

CLASS 13

Holloware, Base metal cooking and table. G. S. Slough. 375,040; Feb. 6; Serial No. 421,465; published Nov. 28, 1939.
Pipe, railway-spikes, and bolts, nuts, etc. Koppel Industrial Car & Equipment Company. 130,782; renewed May 4, 1940.
Screws, bolts, nuts, etc. Reed & Prince Manufacturing Company. 375,052; Feb. 6; Serial No. 422,017; published Nov. 28, 1939.
Stove, refrigerator, and furniture trim and hinges. National Lock Co. 375,095; Feb. 6; Serial No. 423,822; published Nov. 28, 1939.
Valves and parts thereof and accessories therefor, Check. Chapman Valve Mfg. Co. 375,138; Feb. 6.
Valves for heating apparatus, Automatic gas control pressure regulating. L. J. Mueller Furnace Company. 375,043; Feb. 6; Serial No. 421,574; published Nov. 28, 1939.

CLASS 14

Bars, rods and wire, Ferrous. Youngstown Sheet & Tube Company. 375,128; Feb. 6; Serial No. 424,284; published Nov. 28, 1939.
Castings, Alloy steel. Detroit Alloy Steel Company. 375,045; Feb. 6; Serial No. 421,731; published Nov. 28, 1939.
Castings, Malleable-iron. Vermilion Malleable Iron Company. 131,659; renewed May 18, 1940.
Railway appliances and parts thereof. Koppel Industrial Car & Equipment Company. 130,783; renewed May 4, 1940.
Steel sheets, Galvanized. Superior Sheet Steel Company. 375,112; Feb. 6; Serial No. 424,068; published Nov. 28, 1939.
Type, Printers. American Type Foundries, Incorporated. 375,091; Feb. 6; Serial No. 423,744; published Nov. 28, 1939.
Wire, rods, sheets, etc. Driver-Harris Company. 131,300; renewed May 11, 1940.

CLASS 15

Oil, Fuel. Bodie-Hoover Petroleum Corporation. 375,101; Feb. 6; Serial No. 423,909; published Nov. 21, 1939.
Oils and greases, Lubricating. Dryer, Clark & Dryer Oil Company. 375,008; Feb. 6; Serial No. 411,683; published Nov. 21, 1939.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 375,021; Feb. 6; Serial No. 417,181; published May 23, 1939.
Oils and greases, lubricating oil compounds, etc., Lubricating. Lubri-Zol Corporation. 375,055; Feb. 6; Serial No. 422,140; published Nov. 21, 1939.
Oils, Lubricating. Gulf Oil Corporation. 375,102; Feb. 6; Serial No. 423,911; published Nov. 21, 1939.

CLASS 16

Coating compositions, Organic. Curtain-Howe Corporation. 375,088; Feb. 6; Serial No. 423,727; published Nov. 28, 1939.
Stains, varnishes, lacquers, etc. Reliance Varnish Company. 375,010; Feb. 6; Serial No. 412,365; published Nov. 28, 1939.
Toners and lakes for use in paint enamels, etc. Fred L. Lavanburg Company. 375,054; Feb. 6; Serial No. 422,136; published Nov. 28, 1939.
Wax and stain floor-finish. B. L. Webb. 132,583; renewed June 22, 1940.

CLASS 17

Cigars. E. H. Gato, Jr. 375,059–60; Feb. 6; Serial Nos. 422,405–6; published Nov. 28, 1939.
Tobacco. Bendixen Tobacco Company. 375,092; Feb. 6; Serial No. 423,749; published Nov. 28, 1939.
Tobacco, Smoking. Cristian Peper Tobacco Company. 375,069; Feb. 6; Serial No. 422,972; published Nov. 28, 1939.
Tobacco, Smoking and chewing. R. J. Reynolds Tobacco Company. 130,879; renewed May 4, 1940.

CLASS 19

Brackets, rear view mirrors, and mounting brackets therefor, Automobile light. Kilborn-Sauer Company. 375,093; Feb. 6; Serial No. 423,763; published Nov. 28, 1939.
Cars and trucks and car-wheel, etc. Koppel Industrial Car & Equipment Company. 129,990; renewed Mar. 16, 1940.
Locks for automotive vehicles, Clutch controlled brake holding. Rockbille Motor Accessories, Inc. 374,990; Feb. 6; Serial No. 387,476; published Nov. 28, 1939.

CLASS 21

Connectors and bonds for electrically connecting railway rails. Electric Railway Improvement Company. 375,109; Feb. 6; Serial No. 424,001; published Nov. 28, 1939.
Dielectric material. James Miller Manufacturing Company. 375,029; Feb. 6; Serial No. 420,423; published Nov. 28, 1939.
Flashlights and lanterns, Electrical. Federal Supply Company. 375,121; Feb. 6; Serial No. 424,165; published Nov. 28, 1939.
Heating form, Electrical. Mend-Sox. 375,146; Feb. 6.
Insulators, Electric porcelain. Superior Porcelain Company. 374,997; Feb. 6; Serial No. 403,480; published Nov. 28, 1939.
Lighting fixtures, Electric. Steber Manufacturing Co 375,123; Feb. 6; Serial No. 424,212; published Nov. 28, 1939.
Locomotives, electric tractors, Electric. Koppel Industrial Car & Equipment Company. 130,333; renewed Apr. 20, 1940.
Magnet parts formed by casting. Cinaudagraph Corporation. 375,073; Feb. 6; Serial No. 423,257; published Nov. 28, 1939.
Radio receiving sets. J & R Motor Supply Company. 375,154; Feb. 6.
Resistance material. Driver-Harris Company. 131,739; renewed May 25, 1940.
Ties for securing electrical conducting wire to insulators. Copperweld Steel Company. 375,027; Feb. 6; Serial No. 419,794; published Nov. 28, 1939.
Tools, Portable power. Mall Tool Company. 375,009; Feb. 6; Serial No. 412,349; published Nov. 28, 1939.
Tubes, Vacuum. Eitel-McCullough, Inc. 375,118; Feb. 6; Serial No. 424,126; published Nov. 28, 1939.
Tubing for electric discharge lamps, Fluorescent. Hygrade Sylvania Corporation. 375,129; Feb. 6; Serial No. 424,303; published Nov. 28, 1939.

CLASS 22

Game, Chinese. Ivorycraft Co. 375,007; Feb. 6; Serial No. 410,736; published Nov. 21, 1939.
Games. Robert Teller Sons & Dorner. 375,028; Feb. 6; Serial No. 420,190; published Nov. 21, 1939.
Golf balls, golf clubs, and rackets. A. G. Spalding & Bros. Inc. 375,087; Feb. 6; Serial No. 423,680; published Nov. 21, 1939.
Toy and model airplanes and parts thereof. J. Galter. 375,131; Feb. 6; Serial No. 424,473; published Nov. 21. 1939.

CLASS 23

Balls used in bearings, valves, pigment grinding, etc., Metal. Atlas Ball Company. 375,061–2; Feb. 6; Serial Nos. 422,649–50; published Nov. 28, 1939.
Cleaner outfits, Hydro-steam. Clayton Manufacturing Company. 375,148; Feb. 6.
Cultivators, planters, and fertilizer-distributers. Harriman Manufacturing Company. 131,318; renewed May 11, 1940.
Doughnut forming and cooking machines, Automatic. Joe Lowe Corporation. 375,126; Feb. 6; Serial No. 424,236; published Nov. 28, 1939.
Engineering, architectural, and building contrivances. Acrow (Engineers) Ltd. 375,031; Feb. 6; Serial No. 420,617; published Nov. 28, 1939.
Engines, Compressed air. Bartlett Manufacturing Corporation. 375,120; Feb. 6; Serial No. 424,149; published Nov. 28, 1939.
Mowers and parts thereof, Lawn. F. & N. Lawn Mower Company. 375,024–5; Feb. 6; Serial Nos. 419,477–8; published Nov. 28, 1939.
Printing machinery. Hammond Machinery Builders. 375,074; Feb. 6; Serial No. 423,287; published Nov. 28, 1939.
Pumps, Oil burner fuel. Webster Electric Company. 375,137; Feb. 6.
Razor blades. American Exporting Service. 375,050; Feb. 6; Serial No. 421,957; published Nov. 28, 1939.
Razor baldes. S. Rachelson. 375,130; Feb. 6; Serial No. 424,313; published Nov. 28, 1939.
Razors. A. H. Bryant. 130,661; renewed May 4, 1940.
Saws. Simonds Manufacturing Company. 132,245; renewed June 15, 1940.
Syringes, Fire-extinguishing. Scallan Supply Company. 130,570; renewed Apr. 27, 1940.

CLASS 26

Cameras and lenses. Commonwealth Utilities Company. 375,004; Feb. 6; Serial No. 408,375; published Sept. 6, 1938.
Clamps and tripod-adapters, Adjustable camera-supporting. Eastman Kodak Company. 128,368; renewed Jan. 6, 1940.
Crucibles. Vesuvius Crucible Company. 128,558; renewed Jan. 6, 1940.
Films, Sensitized. Compañia Industrial Film Español, S. A. 374,995; Feb. 6; Serial No. 398,239; published Nov. 28, 1939.
Instrument for measuring the direction and velocity of the wind. General Communication Company. 375,072; Feb. 6; Serial No. 423,211; published Nov. 28, 1939.
Lens blanks and lenses, Ophthalmic. Continental Optical Company. 375,016; Feb. 6; Serial No. 416,314; published Nov. 28, 1939.

CLASS 28

Flatware, Silver plated. Oneida Ltd. 375,116–7; Feb. 6; Serial Nos. 424,097–8; published Nov. 21, 1939.
Necklaces and bracelets, earrings, etc. Cohn & Rosenberger, Inc. 375,038; Feb. 6; Serial No. 421,341; published Nov. 21, 1939.
Necklaces and bracelets, finger rings, etc. Cohn & Rosenberger, Inc. 375,063; Feb. 6; Serial No. 422,657; published Nov. 21, 1939.

CLASS 29

Brooms, whisk brooms, scrubbing brushes, etc. National Co-Operatives, Inc. 375,085; Feb. 6; Serial No. 423,634; published Nov. 28, 1939.

CLASS 32

Mirrors, utility storage cabinets, medicine cabinets, etc. H. L. Hill. 375,132; Feb. 6; Serial No. 424,477; published Nov. 21, 1939.
Pads for mattresses and cushions, Resilient. Nachman Springfilled Corporation. 375,048; Feb. 6; Serial No. 421,891; published Nov. 21, 1939.
Pedestals, day beds, bed ends, etc., Casket. Embalmers' Supply Company. 375,026; Feb. 6; Serial No. 419,750; published Nov. 21, 1939.
Spring assemblies for upholstery and upholstery units. Nachman Springfilled Corporation. 375,049; Feb. 6; Serial No. 421,892; published Nov. 21, 1939.

CLASS 34

Heaters, Oil burning. Cleaver-Brooks Company. 375,023; Feb. 6; Serial No. 419,180; published Nov. 28, 1939.
Heaters, stoves, and ranges. Quakertown Stove Works. 132,785; renewed June 29, 1940.

CLASS 35

Tires, Vehicle. Goldblatt Brothers, Inc. 375,053; Feb. 6; Serial No. 422,051; published Nov. 21, 1939.

CLASS 36

Harmonica. American Musical Company. 375,057; Feb. 6; Serial No. 422,193; published Nov. 28, 1939.
Harmonicas and reeds therefor. Harmonica Reed Corporation. 375,068; Feb. 6; Serial No. 422,932; published Nov. 28, 1939.

CLASS 37

Accounting forms. Reynolds & Reynolds Company. 375,003; Feb. 6; Serial No. 407,284; published Nov. 28, 1939.
Books, note books, and spelling blanks, Composition. Kurtz Bros., Inc. 375,076; Feb. 6; Serial No. 423,306; published Nov. 21, 1939.
Cards and paper box containers, recording books, etc., Record. Far-Wal Company. 375,075; Feb. 6; Serial No. 423,293; published Nov. 28, 1939.
Paper and mailing-envelops, Writing. Whiting Paper Company. 132,276; renewed June 15, 1940.
Paper, bond. Neenah Paper Co. 132,214; renewed June 15, 1940.
Paper, Flat gummed. Mid-States Gummed Paper Co. 375,044; Feb. 6; Serial No. 421,663; published Oct. 10, 1939.
Paper, Napkins. Sullivan Manufacturing Co. Inc. 375,108; Feb. 6; Serial No. 423,988; published Nov. 28, 1939.
Paper napkins, Printed. C. Gilmore. 375,018; Feb. 6; Serial No. 416,508; published Nov. 28, 1939.
Paper, Safety. George La Monte & Son. 131,010; renewed May 4, 1940.
Paper used for plant covers, Processed. Germain Seed & Plant Company. 375,037; Feb. 6; Serial No. 421,286; published Nov. 28, 1939.
Paper, Writing. Whiting Paper Company. 132,586; renewed June 22, 1940.
Papers. Brown Company. 375,051; Feb. 6; Serial No. 421,995; published Sept. 26, 1939.
Pencils. L. C. Hardtmuth, Inc. 375,022; Feb. 6; Serial No. 419,076; published Nov. 28, 1939.
Pencils, Lead. American Lead Pencil Company. 375,056; Feb. 6; Serial No. 422,166; published Nov. 28, 1939.
Pencils, penholders, rubber erasers, etc., Lead. E. Faber. 129,700; renewed Mar. 9, 1940.
Pens, Fountain. A. Harris. 132,699; renewed June 29, 1940.
Pens, steel pens, lead-pencils, etc., Fountain. Samuel Ward Manufacturing Company. 128,563; renewed Jan. 6, 1940.
Stationery. Eaton Paper Corporation. 375,122; Feb. 6; Serial No. 424,197; published Nov. 21, 1939.
Tissue, Toilet. A. P. W. Paper Company. 375,033; Feb. 6; Serial No. 420,797; published Aug. 15, 1939.

CLASS 38

Books and pamphlets, Printed. H. A. Groth. 129,735; renewed Mar. 9, 1940.
Bulletin. Arizona Hotel Association, Inc. 375,041; Feb. 6; Serial No. 421,502; published Nov. 21, 1939.
Calendars, Wall. M. Hässler. 375,039; Feb. 6; Serial No. 421,459; published Nov. 28, 1939.
Cards, Greeting. McKenzie Engraving Company. 375,090; Feb. 6; Serial No. 423,737; published Nov. 21, 1939.
Cartoons, Newspaper. King Features Syndicate, Inc. 375,115; Feb. 6; Serial No. 424,091; published Nov. 21, 1939.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 375,030; Feb. 6; Serial No. 420,449; published Nov. 21, 1939.
Cartoons, Serial of. Chicago Tribune-New York News Syndicate, Inc. 375,066; Feb. 6; Serial No. 422,805; published Nov. 28, 1939.
Column. Tremco Manufacturing Company. 375,036; Feb. 6; Serial No. 421,214; published Nov. 28, 1939.
Forms, Printed. Ames Redbook Daily Ratings. 375,098; Feb. 6; Serial No. 423,874; published Nov. 28, 1939.
Journal, Trade. Marchant Calculating Machine Company. 375,017; Feb. 6; Serial No. 416,443; published Nov. 21, 1939.
Magazine publication. All American Comics, Inc. 375,071; Feb. 6; Serial No. 423,195; published Nov. 28, 1939.
Magazine section. Conde Nast Publications, Inc. 375,110; Feb. 6; Serial No. 424,031; published Nov. 21, 1939.
Newspaper, Weekly. Progress Publishing Co. Inc. 375,096; Feb. 6; Serial No. 403,420; published Nov. 21, 1939.
Newspapers. Orange Judd Company. 17,950; re-renewed May 27, 1940.
Periodical. A. C. Nydin. 375,107; Feb. 6; 423,984; published Nov. 28, 1939.
Prints, Photographic. Filmrite Laboratories. 375,152; Feb. 6.
Series of patriotic articles. Louis Rockwell and Leonard Fowler. 375,058; Feb. 6; Serial No. 422,218; published Nov. 21, 1939.

CLASS 39

Corsets, brassières, bust-supporters, etc. Ivy Corset Company. 132,420; renewed June 22, 1940.
Gloves. Langenberg Hat Company. 132,435; renewed June 22, 1940.
Hats and caps. John B. Stetson Company. 130,418; renewed Apr. 20, 1940.
Hosiery. Nomend Hosiery Mills N. B. Laubach Co. Inc. 132,218; renewed June 15, 1940.
Suits, Men's. Joseph & Feiss Company. 375,013; Feb. 6; Serial No. 413,714; published Apr. 11, 1939.
Suspenders and garters. Nu-way Strech Suspender Company. 131,203; renewed May 4, 1940.

CLASS 42

Blankets and blanket cloth. Pepperell Manufacturing Company. 375,134; Feb. 6; Serial No. 424,492; published Nov. 28, 1939.
Cambrics. Millville Manufacturing Company. 375,094; Feb. 6; Serial No. 423,819; published Nov. 28.
Fabrics in the piece. L. & E. Stirn, Inc. 375,119; Feb. 6; Serial No. 424,143; published Nov. 28.
Piece goods. Collegiate Manufacturing Company. 375,135; Feb. 6; Serial No. 424,577; published Nov. 28, 1939.
Piece goods. North American Rayon Corporation. 375,096; Feb. 6; Serial No. 423,827; published Nov. 28, 1939.
Silk piece goods. Empire Silk Company. 127,823; renewed Dec. 9, 1939.
Wool and rayon mixture goods in the piece. G. Leonard. 375,089; Feb. 6; Serial No. 423,734; published Nov. 28, 1939.

CLASS 44

Sanitary napkins and elastic webbing supports for sanitary napkins. J. J. Newberry Company. 375,133; Feb. 6; Serial No. 424,491; published Nov. 28, 1939.

CLASS 45

Beverages. F. J. Fisher. 129,156; renewed Jan. 27, 1940.
Beverages and syrups for making same. B. J. Peter. 375,127; Feb. 6; Serial No. 424,277; published Nov. 28, 1939.
Beverages, concentrates, and extracts for making same. Mutual Orange Distributors. 374,999; Feb. 6; Serial No. 405,311; published June 7, 1938.

CLASS 46

Bakery products. Campbell Taggart Research Corporation. 375,099; Feb. 6; Serial No. 423,876; published Nov. 21, 1939.
Beans, Dry lima. California Lima Bean Growers Association. 132,636; renewed June 29, 1940.
Bread. Ward Baking Company. 131,264; renewed May 4, 1940.
Candies. Henry Heide, Incorporated. 375,104; Feb. 6; Serial No. 423,949; published Nov. 21, 1939.
Candies. Stearns-Hollinshead Co. 128,869; renewed Jan. 13, 1940.
Candy. Bard & Margolies, Inc. 375,070; Feb. 6; Serial No. 423,052; published Nov. 21, 1939.
Canned beans. Marshall Canning Company. 129,025; renewed Jan. 20, 1940.
Canned foods and butter. American Factors, Limited. 128,596; renewed Jan. 13, 1940.
Canned lentils, split peas, beans, etc. A. Paruta. 374,998; Feb. 6; Serial No. 404,658; published Nov. 21, 1939.
Canned pork and beans with tomato sauce and red kidney beans with tomato sauce. Kroger Grocery & Baking Company. 375,006; Feb. 6; Serial No. 410,511; published Nov. 21, 1939.
Canned tomatoes, Solid-pack. Salsina Canning & Packing Co. 128,262; renewed Dec. 30, 1939.
Canned vegetables. Thomas & Company. 375,047; Feb. 6; Serial No. 421,822; published Nov. 21, 1939.

Carrots, Fresh. K. K. Sharp. 375,014; Feb. 6; Serial No. 414,711; published Nov. 21, 1939.
Cheese and cheese spreads. Rheingold Cheese Company. 374,992; Feb. 6; Serial No. 393,617; published Nov. 21, 1939.
Citrus pulp, Dried. Suni-Citrus Products Company. 375,032; Feb. 6; Serial No. 420,659; published Nov. 28, 1939.
Confectionery products, Frozen. Joe Lowe Corporation. 375,125; Feb. 6; Serial No. 424,235; published Nov. 28, 1939.
Crackers, Soup. Aperion, Inc. 374,991; Feb. 6; Serial No. 390,983; published Nov. 28, 1939.
Dairy ration. Ubiko Milling Company. 132,059; renewed June 8, 1940.
Eggs. A. Horton. 375,019; Feb. 6; Serial No. 416,690; published Nov. 21, 1939.
Extract having a maple flavor and used for flavoring desserts, ice cream, etc., and syrups used as food. Limpert Bros., Inc. 130,797; renewed May 4, 1940.
Fish fillets, Fresh and frozen. Atlantic Coast Fisheries Corporation of New York. 375,103; Feb. 6; Serial No. 423,938; published Nov. 21, 1939.
Flavorings, Ice-cream. Stuart A. Baker Chocolate Co. Inc. 375,065; Feb. 6; Serial No. 422,803; published Nov. 28, 1939.
Flour and cornmeal, Wheat. Bay City Milling Company. 131,959; renewed June 8, 1940.
Food, Cattle. J. J. Badenoch Co. 129,123; renewed Jan. 27, 1940.
Foods. Waples, Platter Grocer Company. 132,067, renewed June 8, 1940.
Foods. White Stokes Co. 128,576; renewed Jan. 6, 1940.
Fruit and canned citrus juices, Fresh citrus. Texas Citrus Fruit Growers Exchange. 375,156; Feb. 6.
Fruits, Fresh citrus. Inter-State Grove Properties, Inc. 375,114; Feb. 6; Serial No. 424,089; published Nov. 28, 1939.
Hams, bacon, and shoulders. Swift and Company. 130,940; renewed May 4, 1940.
Oleomargarin. Great Atlantic and Pacific Tea Company. 131,986; renewed June 8, 1940.
Olive-oil. Musher & Company. 132,024; renewed June 8, 1940.
Pickles, pickled onions, vegetable relishes, etc. Budlong Pickle Co. 375,002; Feb. 6; Serial No. 406,493; published Nov. 21, 1939.
Preparation of malted milk and a chocolate flavored dairy syrup. Wander Company. 375,078; Feb. 6; Serial No. 423,320; published Nov. 21, 1939.
Rice. Rice Growers Association of California. 375,077; Feb. 6; Serial No. 423,314; published Nov. 28, 1939.
Rice. T. Simon. 375,097; Feb. 6; Serial No. 423,836; published Nov. 28, 1939.
Salt. Nash, Whiton & Co. 18,066; re-renewed June 24, 1940.
Seasoning preparation. E. Suzuki. 375,155; Feb. 6.
Tomato juice cocktails. H. J. Fleetham. 375,111; Feb. 6; Serial No. 424,037; published Nov. 28, 1939.
Vanilla. Beck Vanilla Products Company. 375,034–5; Feb. 6; Serial No. 421,064–5; published Nov. 28, 1939.
Vanilla. Beck Vanilla Products Company. 375,042; Feb. 6; Serial No. 421,509; published Nov. 28, 1939.
Vegetables, frozen fruits, and frozen poultry. Frozen. Rocky Mountain Packing Corporation. 375,140; Feb. 6.
Vegetables, potatoes; fresh lobsters, etc., Fresh. State of Maine. 375,145; Feb. 6.
Yeast. Varnum Yeast Company. 375,015; Feb. 6; Serial No. 415,274; published Nov. 28, 1939.

CLASS 47

Wines. Garrett & Company. 375,080; Feb. 6; Serial No. 423,418; published Nov. 28, 1939.

CLASS 48

Beer. Terre Haute Brewing Company. 375,124; Feb. 6; Serial No. 424,214; published Nov. 28, 1939.

CLASS 49

Whiskey, gin, rum, etc. Wilken Family, Incorporated. 375,011; Feb. 6; Serial No. 412,842; published Nov. 21, 1939.
Whisky. Morand Bros. Beverage Company. 375,064; Feb. 6; Serial No. 422,754; published Nov. 21, 1939.

CLASS 50

Canvas piece goods, dyed, Waterproof. Wm. E. Hooper & Sons Co. 375,083; Feb. 6; Serial No. 423,600; published Nov. 28, 1939.
Hair, wool, and jute felt products. Burlington Mills Incorporated. 375,084; Feb. 6; Serial No. 423,625; published Nov. 28, 1939.

LIST OF LABELS

Album of the Month Society. For Phonograph Records and Phonograph Record Albums. W. H. Nussbaum. 54,250; Feb. 6.
Good Luck Perfume. For Perfume. M. G. Neumann. 54,249; Feb. 6.
Marion Weeber Jewelry American Artist. For Jewelry. M. Weeber. 54,252; Feb. 6.
Missouri Hickory Barbecue Sauce. For Barbecue Sauce. W. L. Griffin. 54,246; Feb. 6.
National Bohemian. For Bock Beer. National Brewing Co. 54,248; Feb. 6.
Supreme Shuffleboard. For Shuffleboards. Jacob Froehlich Cabinet Works. 54,245; Feb. 6.
The Pocahontas Herb Tablets. For Herb Tablets. M. C. Cheney. 54,244; Feb. 6.
Tic-Ded. For a General Live Stock Spray for the Destruction of Ticks, Lice, Etc. Bice Oil Company. 54,243; Feb. 6.
Vise-Tite Water Safety Engine Plug. For Engine Plugs. S. E Pearson. 54,251; Feb. 6.
W. G. Marr's Quick Action Face Liniment. For a Face Liniment. W. G. Marr. 54,247; Feb. 6.

LIST OF PRINTS

A Blue Ox Structure. For Douglas Fir Timbers. West Coast Lumbermen's Association. 17,831; Feb. 6.
Awt-O-Matic. For Powder Compacts. Exclusive Beauty Products Co. 17,827; Feb. 6.
B. L. E. Back and Body Warmer. For Abdominal Belts. L. A. Fritsch. 17,828; Feb. 6.
Charge-Master. For Instruments to Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. Anderson Company. 17,825; Feb. 6.
Self-Draining Soap Holder. For Self-Draining Soap Holders. Salkot Co. 17,830; Feb. 6.
Sportsmaster Heavy Duty Outdoor Knife. For Heavy Duty Outdoor Knives. Imperial Knife Company. 17,829; Feb. 6.
The World's Standard for 62 Years. For Cream Separators and Milkers. De Laval Separator Co. 17,826; Feb. 6.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Broders, Claude E., assignor, by mesne assignments, to V. Gauvreau, Detroit, Mich. Automatic feed head. Re. 21,341; Feb. 6.
Circla, Inc. (See Emmer, Charles E., assignor.)
Clark, John T., Oak Park, Ill. Rubber diaphragm and making the same. Re. 21,342; Feb. 6.
Emmer, Charles E., assignor to Circla, Inc., Chicago, Ill. Binding device. Re. 21,344; Feb. 6.
Gauvreau, Victor. (See Broders, Claude E., assignor.)
Lange, Max E., and J. J. N. Van Hamersveld, Cleveland Heights, assignors to The Warner & Swasey Company. Machine tool. Re. 21,343; Feb. 6.
Machlet, George A. F., Elizabeth, N. J. Electric regulator for furnaces and other apparatus. Re. 21,345; Feb. 6.
Van Hamersveld, John J. N. (See Lange, M. E., and Van Hamersveld, assignors.)
Warner & Swasey Company. (See Lange, M. E., and Van Hamersveld, assignors.)

LIST OF DESIGN PATENTEES

Abzug, Israel, New York, N. Y. Blouse. 118,895; Feb. 6.
Aluminum Cooking Utensil Company, The. (See Keith, Wilfred D., assignor.)
Aluminum Cooking Utensil Company, The. (See Towne, Carlton G., assignor.)
Ambrose, Charles A., Memphis, Tenn. Toy bank. 118,800; Feb. 6.
American Can Company. (See Trevisan, Louis A., assignor.)
Atkins, E. C., and Company. (See Atkins, Keyes W., assignor.)
Atkins, Keyes W., assignor to E. C. Atkins and Company, Indianapolis, Ind. Saw handle. 118,876; Feb. 6.
Berry, Ethel Y., South Pasadena, Calif. Finger-grip comb. 118,810; Feb. 6.
Black and Decker Manufacturing Company, The. (See Middleman, David, assignor.)
Borg, Elmer B., Los Angeles, Calif. Waffle iron. 118,811; Feb. 6.
Brasted, Robert P., London, England. Piano case. 118,812; Feb. 6.
Breslauer, Margaret K., New York, N. Y. Blouse. 118,896; Feb. 6.
Brush Development Company, The. (See Williams, Alfred L. W., assignor.)
Budd Wheel Company. (See Davenport, Talmon A., assignor.)
Cornelius, Victor W., Eastland, Tex. Combined napkin dispenser and display holder. 118,813; Feb. 6.
Corning Glass Works. (See Lissfelt, Harry L., assignor.)
Dailey, Donald E., and H. Van Doren, Toledo, Ohio, assignors to Philco Refrigerator Company, Philadelphia, Pa. Refrigerator cabinet. 118,814; Feb. 6.
Davenport, Talmon A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 118,850; Feb. 6.
Deering-Milliken & Co. (See Musson, Stephen B., assignor.)
Demuth, Charles, Jamaica, N. Y. Air conditioning register or similar article. 118,851; Feb. 6.
De Vilbiss Company, The. (See Ditch, Franklin D., assignor.)
De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)
Ditch, Franklin D., assignor to The De Vilbiss Company, Toledo, Ohio. Air compressing unit. 118,852; Feb. 6.
Eachus, Iredell, Wayne, assignor to Macbeth Arc Lamp Company, Philadelphia, Pa. Photographic arc lamp or similar article. 118,853; Feb. 6.
Eidco, Incorporated. (See Hokanson, Martin, assignor.)
Engel, Alice, New York, N. Y. Dress ensemble. 118,897; Feb. 6.
Engel, Alice, New York, N. Y. Dress. 118,898; Feb. 6.
Feldman, Harry, Brooklyn, N. Y. Textile fabric or similar article. 118,899; Feb. 6.
Ferguson, Charles A., San Antonio, Tex. Base protector for golf bags. 118,815; Feb. 6.
Floresque, Costica, Chicago, Ill. Acrobat's headstand apparatus. 118,816; Feb. 6.
Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Portable power driven hand tool unit. 118,854; Feb. 6.
Forsyth, James F., South Orange, N. J., assignor to Hecker Products Corporation, New York, N. Y. Jar. 118,855; Feb. 6.
Friend, Lee, and E. S. Wieder, New York, N. Y. Dress. 118,900; Feb. 6.
Frontman, Samuel E., Melrose Park, Pa. Dress ensemble. 118,901; Feb. 6.
Gelin, Oscar, New York, N. Y. Hat. 118,902; Feb. 6.
General Electric Company. (See Rainbault, John P., assignor.)
Gill, Gaylord C., assignor to Wolverine Spice Company, Grand Rapids, Mich. Checking counter. 118,817; Feb. 6.
Goldman, Abraham J., Brooklyn, N. Y. Comfortable. 118,903; Feb. 6.
Graham, George M., Detroit, assignor to Hinckley-Myers Company, Jackson, Ill. Combined workbench and cabinet or similar article. 118,856; Feb. 6.
Grover, Frederic S., Rochester, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 118,857; Feb. 6.
Guild, Lurelle. (See Huber, P. P., and Guild.)
Hamilton Corporation, The. (See Tyler, Theodore R., assignor.)
Harbeson, Frank C., Georgetown, Ind. Display stand. 118,904; Feb. 6.
Haug, Emil, Hackensack, N. J. Slipper. 118,818; Feb. 6.
Hazel-Atlas Glass Company. (See Herpel, Kathryn S., assignor.)
Hecker Products Corporation. (See Forsyth, James F., assignor.)
Herpel, Kathryn S., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Dish. 118,819; Feb. 6.
Hickok Manufacturing Company. (See Vaisey, Harold C., assignor.)
Hinckley-Myers Company. (See Graham, George M., assignor.)
Hokanson, Martin, assignor to Eidco, Incorporated, Duluth, Minn. Drill bit. 118,877; Feb. 6.
Huber, Paul P., Hillside, N. J., and L. Guild, Darien, Conn., assignors to Weston Electrical Instrument Corporation, Newark, N. J. Clamp-ammeter. 118,820; Feb. 6.
Huenefeld, Walter E., Cincinnati, Ohio. Oil cook stove. 118,821; Feb. 6.
Iliff, George S., assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 118,858; Feb. 6.
Independent Pneumatic Tool Co. (See Forss, Frithiof P., assignor.)
Joyce, Inc. (See Iliff, George S., assignor.)
Junior Toy Corporation. (See Rideout, John G., assignor.)
Kaplaan, Michael B., New York, N. Y. Puffed and embroidered fabric. 118,878; Feb. 6.
Karcher, Dr. W. L. (See Whitehouse, L. A., assignor.)
Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Kaufman, Herman, Laurelton, Long Island, N. Y. Curtain ring. 118,822; Feb. 6.
Keith, Wilfred D., Oakmont, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Cooker pail or the like. 118,823; Feb. 6.
Kolmer, Max, New York, N. Y. Lady's coat. 118,879; Feb. 6.
Kronstadt, Max, New York, N. Y. Cruciform pendant. 118,859; Feb. 6.
Lettino, Fred, Astoria, Long Island, N. Y. Draftsman's stencil. 118,824; Feb. 6.
Lissfelt, Harry L., New York, assignor to Corning Glass Works, Corning, N. Y. Tumbler. 118,825; Feb. 6.
Logan Co. Inc. (See Logan, Zack S., assignor.)
Logan, Zack S., assignor to Logan Co. Inc., Louisville, Ky. Glider or the like. 118,860; Feb. 6.
Lormor, Henry W., Cleveland Heights, Ohio. Combined relish bowl and tray. 118,905; Feb. 6.
Macbeth Arc Lamp Company. (See Eachus, Iredell, assignor.)
MacFadden, Glenn E. and L., assignors to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket lamp. 118,861; Feb. 6.
MacFadden, Leland. (See MacFadden, Glenn E. and L.)
MacLean, J. Showles, Toledo, Ohio. Cream remover. 118,826; Feb. 6.
Markel Electric Products, Inc. (See MacFadden, Glenn E. and L., assignors.)

Meyer, Walter H., Toledo, Ohio, assignor to National Nu Grape Company, Atlanta, Ga. Bottle. 118,862; Feb. 6.
Middleman, David, assignor to The Black and Decker Manufacturing Company, Towson, Md. Wheel load scale. 118,827; Feb. 6.
Moloney, Raymond T. (See Nelson, Nels A., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined front fork and fender for velocipedes. 118,828; Feb. 6.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Harold F., assignor.)
Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Combined gun barrel and tubular cartridge magazine. 118,863; Feb. 6.
Mueller, Erwin F., San Francisco, Calif. Window ventilator. 118,864; Feb. 6.
Musson, Stephen B., West Englewood, N. J., assignor to Deering-Milliken & Co., Inc., New York, N. Y. Textile fabric. 118,906; Feb. 6.
National Nu Grape Company. (See Meyer, Walter H., assignor.)
Nelson, Nels A., assignor to R. T. Moloney, Chicago, Ill. Vibrator. 118,829; Feb. 6.
Newman, Forrest L., Denver, Colo. Hot oil finger bath. 118,830; Feb. 6.
Norris, Frank B., Shelby, Ind. Combination ice chipper and bottle breaker or similar article. 118,831; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,880; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,881; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,882; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,883; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,884; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,885; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,889; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,890; Feb. 6.
Odzer, Harry, New York, N. Y. Textile fabric. 118,891; Feb. 6.
Opotow, Nathan, New York, N. Y. Calipers. 118,832; Feb. 6.
Pahlmann, William C., New York, N. Y. Textile fabric. 118,892; Feb. 6.
Palmer, Carl M., Silverton, Ohio. Flag holder. 118,865; Feb. 6.
Philco Refrigerator Company. (See Dailey, D. E., and Van Doren, assignors.)
Pierson, Frank W., Berkeley, Calif. Razor. 118,833; Feb. 6.
Rainbault, John P., Bridgeport, Conn., assignor to General Electric Company. Clock case. 118,834; Feb. 6.
Rainbault, John P., Bridgeport, Conn., assignor to General Electric Company. Clock case. 118,835; Feb. 6.
Rebhuhn, Anne, New York, N. Y. Dress. 118,907; Feb. 6.
Reynolds, H. Lee. (See Wommer, Frederic, assignor.)
Rhodes, Gilbert J., New York, N. Y. Display card or similar article. 118,836; Feb. 6.
Rideout, John G., Cleveland, Ohio, assignor to Junior Toy Corporation, Hammond, Ind. Velocipede front fork. 118,837; Feb. 6.
Rittenhouse, A. E., Co., The. (See Grover, Frederic S., assignor.)
Rittenhouse, E. A., Co., The. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, Lloyd, assignor to The E. A. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Housing for signal devices. 118,866; Feb. 6.
Roch, Joseph C., Providence, R. I. Puzzle. 118,838; Feb. 6.
Rost, Katheryn, New York, N. Y. Dress. 118,908; Feb. 6.
Rubin, Jack, New York, N. Y. Textile fabric. 118,909; Feb. 6.
Rubin, Jack, New York, N. Y. Textile fabric. 118,910; Feb. 6.
Samuels, Florence, New York, N. Y. Combined/perfume bottle and sachet pads display, and transparent container therefor. 118,839; Feb. 6.
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Warning signal. 118,867; Feb. 6.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shapiro, Benjamin, New York, N. Y. Dress. 118,911; Feb. 6.
Shocknesse, Carl G. (See Texter, E. C., and Shocknesse.)
Simon, Irwin B., San Francisco, Calif. Hat. 118,912; Feb. 6.
Smallman, Samuel, New York, N. Y. Billfold. 118,868; Feb. 6.
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Sterngold, Jacob M., New York, N. Y. Dress. 118,913; Feb. 6.
Stone, Mollie, New York, N. Y. Dress. 118,914; Feb. 6.
Stone, Mollie, New York, N. Y. Dress. 118,915; Feb. 6.
Stone, Mollie, New York, N. Y. Dress. 118,916; Feb. 6.
Stone, Mollie, New York, N. Y. Dress. 118,917; Feb. 6.
Stone, Mollie, New York, N. Y. Dress. 118,918; Feb. 6.
Stone, Mollie, New York, N. Y. Dress. 118,919; Feb. 6.
Swibold, Percival D. (See Weyhing, R. L., and Swibold.)
Texter, Elmer C., and C. G. Shocknesse, Detroit, Mich. Combined frozen confection, support, and drip catcher. 118,840; Feb. 6.
Tips, Carl A., New York, N. Y. Textile fabric. 118,886; Feb. 6.
Tower, Forrest L., Mendota, Ill. Anchor. 118,869; Feb. 6.
Towne, Carlton G., Edgewood, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Food warmer or similar article. 118,841; Feb. 6.
Trevisan, Louis A., Bloomfield, N. J., assignor to American Can Company, New York, N. Y. Box or similar container. 118,870; Feb. 6.
Trevisan, Louis A., Bloomfield, N. J., assignor to American Can Company, New York, N. Y. Box or similar container. 118,893; Feb. 6.
Trevisan, Louis A., Bloomfield, N. J., assignor to American Can Company, New York, N. Y. Box or similar container. 118,920; Feb. 6.
Tyler, Theodore R., Minneapolis, Minn., assignor to The Hamilton Corporation. Rotary pump body or similar article. 118,842; Feb. 6.
Valsey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Medal or the like. 118,871; Feb. 6.
Van Doren, Harold. (See Dailey, D. E., and Van Doren.)
Vassos, John, Silver Mine, Conn., assignor to L. E. Waterman Company, Newark, N. J. Fountain-pen 118,872; Feb. 6.
Vassos, John, Silver Mine, Conn., assignor to L. E. Waterman Company, Newark, N. J. Clip for a fountain pen or similar article. 118,873; Feb. 6.
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 118,921; Feb. 6.
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 118,922; Feb. 6.
Waterman, L. E., Company. (See Vassos, John, assignor.)
Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Sun glasses. 118,843; Feb. 6.
Welsh Manufacturing Company. (See Welsh, James W., assignor.)
Weyhing Bros. Mfg. Co. (See Wehying, R. L., and Swibold, assignors.)
Weyhing, Robert L., Detroit, and P. D. Swibold, Highland Park, assignors to Weyhing Bros. Mfg. Co., Detroit, Mich. Radio cabinet. 118,874; Feb. 6.
Weston Electrical Instrument Corporation. (See Huber, P. P., and Guild, assignors.)
Whitehouse, Louis A., Proctor, Vt., assignor to Dr. W. L. Karcher, Freeport, Ill. Burial monument. 118,844; Feb. 6.
Widess, David, Pasadena, Calif. Finger ring or similar article. 118,887; Feb. 6.
Wieder, Emanuel S. (See Friend, L., and Wieder.)
Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electrical connector. 118,894; Feb. 6.
Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Combined case and connector for a hearing aid receiver. 118,923; Feb. 6.
Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Receptacle base for an electrical connector. 118,924; Feb. 6.
Williams, Arthur F., assignor to Wils Edge Corporation, St. Louis, Mo. Spectacle temple. 118,845; Feb. 6.
Wils Edge Corporation. (See Williams, Arthur F., assignor.)
Wishnack, Daniel, Paterson, N. J. Elastic fabric. 118,925; Feb. 6.
Wolverine Spice Company. (See Gill, Gaylord C., assignor.)
Wommer, Frederic, Carver, Minn., assignor of one-half to H. L. Reynolds, Pittsburgh, Pa. Casing for a therapeutic lamp. 118,846; Feb. 6.
Wright, Robert F., Syracuse, N. Y. Exercising apparatus. 118,847; Feb. 6.
Wuyts, Joseph, New York, N. Y. Necklace. 118,875; Feb. 6.
Wuyts, Joseph, Staten Island, N. Y. Brooch or similar article. 118,888; Feb. 6.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Can opener. 118,848; Feb. 6.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 118,849; Feb. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ace, Arch H., and L. R. Harriman, Bowling Green, Ohio. Trailer brake control. 2,189,335; Feb. 6.
Acheson, Marcus A., and R. McClintock, Emporium, Pa., assignors to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube and the like. 2,189,260; Feb. 6.
Acme Visible Records, Inc. (See Anderson, A. H., Fitch, and Straubel, assignors.)
Adonizio, Patrick, Pittston, Pa. Removable skate and blade. 2,188,971; Feb. 6.
Adrema Maschinenbauges m. b. H. (See Krell, Joseph, assignor.)
Agueeff, Alexander A. (See Paine, W. B., and Agueeff.)
Agulnek, Harry, assignor to S. Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y. Wrap-around apparatus for knitting machines. 2,189,275; Feb. 6.
Agulnek, Harry, and L. Mishcon, assignors to S. Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y. Method and apparatus for producing striped knitted fabric. 2,189,276; Feb. 6.
Ahlmann, Nikolai, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Cooler for agglomerated material. 2,189,120; Feb. 6.
Ajax Bottle Cap Corp. (See Corsi, Nicholas, assignor.)
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering-drive wheel assembly. 2,189,695; Feb. 6.
Alexander, Elias C., San Francisco, Calif. Float switch. 2,189,456; Feb. 6.
Alfol Insulation Company. (See Sibley, Leon T., assignor.)
Alonge, Vera, New York, N. Y. Watch bracelet. 2,189,096; Feb. 6.
Alpha Engineering Company, The. (See Cerny, Joseph A., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Casting & Manufacturing Corporation. (See Dietze, Emil, assignor.)
American Chain & Cable Company. (See Reyburn, John R., assignor.)
American Cyanamid & Chemical Corporation. (See Brush, John G., assignor.)
American Cyanamid Company. (See Pineo, Orrin W., assignor.)
American Dairies Incorporated. (See Smith, L. H., and Schnabel, assignors.)
American Enka Corporation. (See Sunderland, Alfred E., assignor.)
American Hoist and Derrick Company. (See Ljungkull, Rolf E., assignor.)
American Laundry Machinery Company, The. (See Malott, Clifton S., Jr., assignor.)
American Locomotive Company. (See Weber, Theodore R., assignor.)
American Machine & Foundry Company. (See Dearsley, George, assignor.)
American Machine & Foundry Company. (See Jensen, Thormod, assignor.)
American-National Company, The. (See Snell, Samuel A., assignor.)
American Radiator & Standard Sanitary Corporation. (See Donle, Harold P., assignor.)
American Radiator & Standard Sanitary Corporation. (See Donle, H. P., and Michaels, assignors.)
American Rolling Mill Company, The. (See Sendzimir, Tadeusz, assignor.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Telephone and Telegraph Company. (See De Wolfe, Donald F., assignor.)
American Telephone and Telegraph Company. (See Honaman, R. K., and Swart, assignors.)
American Telephone and Telegraph Company. (See Hughes, Samuel B., assignor.)
American Telephone and Telegraph Company. (See Schluter, John J., assignor.)
Anderson, Alfred H., J. A. Fitch, and C. W. Straubel, Youngstown, Ohio, assignors, by mesne assignments, to Acme Visible Records, Inc., Chicago, Ill. Apparatus for automatically making and assembling filing cards. 2,188,994; Feb. 6.
Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Buckle. 2,189,574; Feb. 6.
Anderson, John P., Koppel, assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Dump car. 2,189,336; Feb. 6.
Anderson, Leslie J., Westmont, N. J., assignor to Radio Corporation of America. Public address stabilizing system. 2,189,306; Feb. 6.
Anderson, Victor E., Tacoma, Wash. Patching veneer. 2,189,277; Feb. 6.
Andersson, Per J. E., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for handling thread or the like. 2,189,121; Feb. 6.
Andres, William J. (See Sanford, R. S., and Andres.)
Andrews, Arthur E., Hackney, London, and W. F. Johnson, London, assignors to Mentmore Manufacturing Co. Limited, Hackney, London, England. Stylographic pen. 2,189,696; Feb. 6.
Andrews, Donald H., Baltimore, Md., assignor to Research Corporation, New York, N. Y. Method of and apparatus for sensing radiant energy. 2,189,122; Feb. 6.
Animal Tongue Protector, Inc. (See Gunderson, Reuben J., assignor.)
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Connecting cleat for structural elements. 2,189,159; Feb. 6.
Anthony Company. (See Anthony, William C.)
Anthony, William C., assignor to Anthony Company, Inc., Streator, Ill. Pickup and dumping vehicle. 2,189,052; Feb. 6.
Archer, Garland W., Greenwood, Miss., assignor to Supreme Instruments Corporation. Electrical testing. 2,189,457; Feb. 6.
Armour & Company. (See Littlefield, Verne D., assignor.)
Armour and Company. (See Ralston, A. W., and Vander Wal, assignors.)
Arnold, Edwin E. (See Lingal, H. J., and Arnold.)
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bushing. 2,189,621; Feb. 6.
Arnone, Vincent, Brooklyn, N. Y. Candlewick. 2,189,412; Feb. 6.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Gang file. 2,189,659; Feb. 6.
Ashcroft, Donald G., Saltcoats, Scotland, assignor to Imperial Chemical Industries, Limited. Method of and apparatus for the production of coiled hanks of wire. 2,189,557; Feb. 6.
Askania-Werke A. G. (See Heinisch, Paul, assignor.)
Associated Electric Laboratories, Inc. (See Lomax, C. E., and Bakker, assignors.)
Auerbach Bath Robe Co. (See Auerbach, Samuel, assignor.)
Auerbach, Samuel, assignor to Auerbach Bath Robe Co., New York, N. Y. Garment belt. 2,189,413; Feb. 6.
Autographic Register Company. (See Brenn, Carl W., assignor.)
Automotive Products Company. (See Brock, D. T., and Gates, assignors.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Avery, Clarence W., and A. H. Haberstump, Detroit, Mich., assignors to The Murray Corporation of America. Upholstery forming apparatus. 2,188,995; Feb. 6.
Ayres, Waldemar A., assignor to International Business Machines Corporation, New York, N. Y. Punching and printing device. 2,189,023; Feb. 6.
Babitch, Abraham M., Flint, assignor to General Motors Corporation, Detroit, Mich. Double acting vacuum pump. 2,189,526; Feb. 6.
Bacon, Elbridge F., Flint, assignor to General Motors Corporation, Detroit, Mich. Remote radio control. 2,189,527; Feb. 6.
Bacon, Kenneth D. (See Kauppi, T. A., Bacon, and Smith.)
Badalamente, Calogero. (See Guinez, Antonio, assignor.)
Bagby, Francis C. (See Brown, Warren G. and W. D., assignors.)
Bahnsen, Monroe J. (See McIntyre, G. H., Bahnsen, and Sweo.)
Bailey, Harold P. (See Mahannah, E. A., and Bailey.)
Bailey, James R., and J. L. Meadows, Austin, Tex., assignors to Union Oil Company of California, Los Angeles, Calif. Fractionation of nitrogen bases. 2,189,278; Feb. 6.
Bakelaar, John H. (See Carroll, F. M., and Bakelaar.)
Baker & Company. (See Sivil, C. S., and Liebig, assignors.)
Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Track roller arrangement. 2,189,160; Feb. 6.
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Baker Oil Tools, Inc. (See Burt, C. E., and Graham, assignors.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Cement retainer. 2,189,097; Feb. 6.

Baker, Robert E., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Refrigerator top. 2,189,389; Feb. 6.
Bakker, Pier. (See Lomax, C. E., and Bakker.)
Baldwin Company, The. (See Kock, W. E., and Jordan, assignors.)
Ballentine, William I., Chicago, Ill. Switch mechanism. 2,189,440; Feb. 6.
Bandcan Corporation. (See Seybold, Hermann G., assignor.)
Barker, Howard H., South Orange, N. J., assignor to Weksler Thermometer Corporation. Thermometer. 2,189,123; Feb. 6.
Barnes, Carl E. (See Kistler, S. S., and Barnes.)
Barnsteiner, Alfons, and E. H. Lockwood, Mansfield, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heater terminal block. 2,189,622; Feb. 6.
Bass, Shailer L. and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Cellulose derivative composition. 2,189,338; Feb. 6.
Bass, Shailer L., T. A. Kauppi, and F. B. Smith, assignors to The Dow Chemical Company, Midland, Mich. Cellulose derivative compositions. 2,189,337; Feb. 6.
Bauer, Leo, et al. (See Püschner, Julius and J., assignors.)
Baumgard, Phillip L. (See Britten, J. F., King, and Baumgard.)
Bausch Machine Tool Company. (See Eden, James A., assignor.)
Baxter, Joseph M., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Control for volume and tuning of a radio set. 2,189,558; Feb. 6.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Device for operating on shoes. 2,188,972; Feb. 6.
Beaton & Cadwell Manufacturing Company, The. (See Work, Ernest W., assignor.)
Bechman, William O. See Baker, D. B., Rogers, and Bechman.)
Beech-Nut Packing Company. (See Martin, William T., assignor.)
Bell, Charles H., Westfield, N. J., assignor to Nassau Smelting and Refining Company, Incorporated, New York, N. Y. Material treating apparatus. 2,189,414; Feb. 6.
Bell, Charles H., Westfield, N. J., assignor to Nassau Smelting and Refining Company, Incorporated, New York, N. Y. Material treating apparatus. 2,189,415; Feb. 6.
Bell, John W., Montreal, Quebec, Canada. Apparatus for crushing or grinding ore. 2,189,441; Feb. 6.
Bell Telephone Laboratories, Incorporated. (See Diggory, B. A., and Teal, assignors.)
Bell Telephone Laboratories, Incorporated. (See Edson, James O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Belshaw, Charles F., Greenville, Mich. Refrigerator. 2,189,390; Feb. 6.
Bender, Norman, Philadelphia, Pa. Automatic vehicle signal. 2,189,528; Feb. 6.
Bendix Aviation Corporation. (See Nowosielski, Edward B., assignor.)
Bendix Aviation Corporation. (See Olson, Elmer, assignor.)
Bendix Aviation Corporation. (See Sylvander, Roy C., assignor.)
Bendix Products Corporation. (See Paine, W. B., and Agueeff, assignors.)
Bendix Products Corporation. (See Roberts, Glyn P., assignor.)
Bendix Products Corporation. (See Ryan, William J., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, Roy S., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, R. S., and Andres, assignors.)
Bendorff, Kurt, assignor to the firm Typograph G. m. b. H., Berlin, Germany. Matrix setting and type-line-casting machine. 2,189,097; Feb. 6.
Bendorff, Kurt, Berlin, O. Bieber, Berlin-Lichterfelde, and K. Dahnert, Berlin-Carow, assignors to the firm Typograph G. m. b. H., Berlin, Germany. Matrix-setting and type line-casting machine. 2,189,098; Feb. 6.
Benjamin, Israel J., Lisbon, N. Y. Sampling dipper. 2,189,238; Feb. 6.
Bennett, Charles A., Stoneville, Miss. Dedicated to the free use of the People of the United States of America. Drying system for seed cotton. 2,189,099; Feb. 6.
Bennett, Claude C., South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash. Absorption dynamometer. 2,189,189; Feb. 6.
Berch, Samuel H., Beverly Hills, Calif. Packing food products and the like. 2,189,512; Feb. 6.
Bertram, Paul E., Crystal Lake, Ill. Line tightener. 2,188,937; Feb. 6.
Betzler, Paul, Karlsruhe (Baden), Germany. Method and apparatus for twisting metal bars into a unitary structure. 2,189,646; Feb. 6.
Bieber, Otto. (See Bendorff, K., Bieber, and Dahnert.)
Bierbrauer, Ernst, Leoben, Austria, assignor to Metallgesellschaft A. G., Frankfort-on-the-Main, Germany. Mechanical separation of mixtures of substances, particularly coarse-grained mineral mixtures. 2,189,124; Feb. 6.
Bierbrauer, Ernst, Leoben, Austria, assignor of one-half to Metallgesellschaft A. G., Frankfort-on-the-Main, Germany. Mechanically separating mineral mixtures. 2,189,698; Feb. 6.
Bierma, Clyde E., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Abrading tool. 2,189,307; Feb. 6.
Bigelow, William C. (See Gschwender, E., and Bigelow.)
Bird, Katherine, Detroit, Mich. Basting scoop. 2,189,483; Feb. 6.
Bishop & Babcock Mfg. Company, The. (See Mayo, Edward L., assignor.)
Bitner, Ralph E., Port Washington, N. Y. Sterilizer. 2,189,279; Feb. 6.
Black, William A., Lake Lucerne, and F. M. Darner, Shaker Heights, assignors, by mesne assignments, Republic Steel Corporation, Cleveland, Ohio. Apparatus for use in welding. 2,189,339; Feb. 6.
Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)
Blaw-Knox Company. (See Croft, George M., assignor.)
Blaw-Knox Company. (See Harrington, Edward L., assignor.)
Blechman, Kamille, New York, N. Y. Hat. 2,189,559; Feb. 6.
Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Railway car truck. 2,189,125; Feb. 6.
Blum, Frank M., assignor to Harnischfeger Corporation, Milwaukee, Wis. Circuit closer. 2,189,190; Feb. 6.
Blumer, Manuel. (See Breth, F. W., and Blumer.)
Blunk, Daniel Q., Fort Dodge, Iowa. Slope gauge for graders. 2,189,699; Feb. 6.
Bockmühl, Max, and G. Ehrhart, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Hydrogen ester salts of glucosides and preparing the same. 2,189,723; Feb. 6.
Bodin, Harry, et al. (See Redding, Harry B., assignor.)
Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Seam soldering machine for radiator headers. 2,189,540; Feb. 6.
Bolton, James F., Heywood, England. Apparatus for distributing sewage over a filter bed. 2,189,513; Feb. 6.
Bonner, Raymond W., and P. D. Hall, assignors, by direct and mesne assignments, of one-half to R. W. Bonner and one-half to H. M. Kirschbaum, Detroit, Mich. Automatic electrical control device. 2,188,973; Feb. 6.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Floor for refrigerator car. 2,189,126; Feb. 6.
Book, Howard B., and R. A. Hanlin, assignors to Reed Roller Bit Company, Oklahoma City, Okla. Reamer. 2,189,033; Feb. 6.
Borg, Alton C. (See Ingersoll, H. G., and Borg.)
Borg-Warner Corporation. (See Caldwell, W. B., and Peters, assignors.)
Borg-Warner Corporation. (See Herz, Ferdinand B., assignor.)
Borg-Warner Corporation. (See Ingersoll, H. G., and Borg, assignors.)
Borg-Warner Corporation. (See Osborne, William B., assignor.)
Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)
Boudreau, Anthony P. J., Garden City, assignor to The Western Union Telegraph Company, New York, N. Y. Power level indicator. 2,189,660; Feb. 6.
Bourland, Langford T., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Integrating X-ray dosage meters. 2,189,623; Feb. 6.
Bowdish, Meredith E., Venice, assignor to W. H. Fabry, Alhambra, Calif. Vehicle air conditioner. 2,189,391; Feb. 6.
Bowie, Robert M., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Cathode-ray tube and the like. 2,189,261; Feb. 6.
Bowley, Raymond E., San Anselmo, Calif. Sound reproducing apparatus and a wiring circuit therefor. 2,189,161; Feb. 6.
Boyer, Clara, Chicago, Ill. Ear protector. 2,189,416; Feb. 6.
Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Constant selectivity receiver. 2,189,308; Feb. 6.
Bragg-Kliesrath Corporation. (See Russell, Robert C., assignor.)
Bramble, John H., Farrell, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat insulating hearth. 2,189,624; Feb. 6.
Brandt, David G., Westfield, assignor to Power Patents Company, Hillside, N. J. Method and apparatus for processing crude petroleum. 2,189,191; Feb. 6.
Brannon, Herbert E., Detroit, Mich. Fluid heating device. 2,189,127; Feb. 6.
Brantly, John E., Pasadena, Calif. Boiler. 2,189,442; Feb. 6.

Brantly, John E., Pasadena, Calif. Steam boiler. 2,189,443; Feb. 6.
Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shaft coupling. 2,189,598; Feb. 6.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding register. 2,189,724; Feb. 6.
Breth, Ferdinand W., New York, N. Y., and M. Blumer, Butler, Pa. Refining a mineral oil. 2,189,128; Feb. 6.
Brewster, Jerry, Senior, Gypsum, Colo. Rotary swing. 2,189,239; Feb. 6.
Bridwell, Chalon E., Detroit, Mich. Valve. 2,189,129; Feb. 6.
Briggs, Arthur M., Huntington Park, Calif. Rotary pump. 2,189,356; Feb. 6.
Briggs Manufacturing Company. (See Roberts, Ralph S., assignor.)
Britten, James F., E. S. King, and P. L. Baumgard, assignors to Sabine Steel & Construction Corporation, Port Arthur, Tex. Electrically operated hammer. 2,189,700; Feb. 6.
Britton, Edgar C. (See Bass, S. L., and Britton.)
Brock, Denis T., and G. R. Gates, assignors to Automotive Products Company, London, England. Brake applying means for vehicles. 2,189,192; Feb. 6.
Brodeur, Alcibiade A., Worcester, Mass. Apparatus for cleaning poultry and the like. 2,189,484; Feb. 6.
Brooker, Leslie G. S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Preparing cyanine dyes with strong organic bases. 2,189,599; Feb. 6.
Brown, Cicero C., Houston, Tex. Tubing support. 2,189,575; Feb. 6.
Brown, Glendon C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Elevator controller. 2,189,193; Feb. 6.
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, Warren D. (See Brown, Warren G. and W. D.)
Brown, Warren G. and W. D., Detroit, assignors of one-third to F. C. Bagby, Birmingham, Mich. Apparatus for treating masonry and like surfaces. 2,188,938; Feb. 6.
Brunke, Fritz, Berlin-Steglitz, Germany, assignor to General Electric Company. Dry plate rectifier and producing same. 2,189,576; Feb. 6.
Brush Beryllium Company, The. (See Kjellgren, B. R. F., and Sawyer, assignors.)
Brush, John G., Westfield, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Apparatus for heat treatment. 2,189,194; Feb. 6.
Bryant, Melvin, Bay City, assignor of one-third to G. J. Curry, Flint, Mich. Ambulatory splint. 2,189,053; Feb. 6.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,189,024; Feb. 6.
Buck, Richard S., Wethersfield, and H. W. Gunberg, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Drain valve. 2,189,162; Feb. 6.
Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Gear mounting. 2,189,100; Feb. 6.
Buckeye Steel Casting Company, The. (See Stertzbach, H. W., and Orr, assignors.)
Budzien, Hugo F., Peoria, assignor to Fairbanks, Morse & Co., Chicago, Ill. Air-start means for internal combustion engines. 2,189,163; Feb. 6.
Buffalo Electro-Chemical Company. (See Kauffman, Hans O., assignor.)
Buffalo Foundry & Machine Co. (See Lavett, Charles O., assignor.)
Buford, Manville T., assignor to Continental Oil Company, Ponca City, Okla. Manufacturing grease. 2,189,661; Feb. 6.
Bugg, Kenly C., Farmington, Mo., assignor to Neptune Meter Company. Counting mechanism. 2,189,392; Feb. 6.
Burcky, Charles W., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,189,541; Feb. 6.
Burgess Battery Company. (See Leadbetter, Ralph L., assignor.)
Burkhardt, Arthur, Berlin-Lichterfelde, assignor to Georg Von Giesche's Erben, Breslau, Germany. Casting zinc alloy. 2,189,054; Feb. 6.
Burkholder, Alden H. (See Kenbusch, W. F., and Burkholder.)
Burkholder, Alden H., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for drying or otherwise treating thread or the like. 2,189,195; Feb. 6.
Burman, Axel S., Huddinge, Sweden. Producing aluminum oxide from aluminiferous raw materials. 2,189,376; Feb. 6.
Burr, Raymond, South Pasadena, Calif. Oven rack. 2,189,240; Feb. 6.
Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing mechanism. 2,189,702; Feb. 6.
Burt, Clarence E., and E. Graham, Jr., Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Production packer and liner hanger. 2,189,701; Feb. 6.
Burt, Clarence E., and E. Graham, Jr., Los Angeles, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Well production apparatus. 2,189,703; Feb. 6.
Burt, Harry M., Cranston, R. I., assignor to L. Karasik, New York, N. Y. Memorandum device. 2,189,625; Feb. 6.
Bush, A. G. (See Criner, Harry J., assignor.)
Butenandt, Adolf, Danzig-Langfuhr, Free State, Danzig, assignor to Schering Corporation, Bloomfield, N. J. Reduction products derived from dehydroandrosterone and producing the same. 2,189,130; Feb. 6.
C. S. I. Development Corporation. (See Kolozsy, Louis W., assignor.)
C. S. I. Development Corporation. (See Parker, Louis W., assignor.)
Cage, James, Valley Stream, assignor to Reynolds Metals Company, New York, N. Y. Book match shipping container. 2,189,055; Feb. 6.
Caldwell, Walker B., Flossmoor, and E. F. Peters, Chicago Heights, assignors to Borg-Warner Corporation, Chicago, Ill. Fence post. 2,189,542; Feb. 6.
Cameron, Allan M., Oak Park, assignor to Cameron Can Machinery Co., Chicago, Ill. Vacuum can closing machine. 2,188,939; Feb. 6.
Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Filter. 2,189,704; Feb. 6.
Candy, Albert T., Jr., Glen Ellyn, assignor to Candy & Company, Inc., Chicago, Ill. Sanctuary lamp. 2,189,746; Feb. 6.
Candy & Company. (See Candy, Albert T., Jr., assignor.)
Cape, Arthur T., and C. V. Foerster, Santa Cruz, Calif. Ferrous alloys. 2,189,131; Feb. 6.
Carbide and Carbon Chemicals Corporation. (See Ostromislensky, Iwan, assignor.)
Carington, Charles M., assignor to K. L. G. Sparking Plugs Limited, London, England. Attaching a union nut or the like to the end of another member. 2,189,056; Feb. 6.
Carleton, Michael D., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,032; Feb. 6.
Carlisle, Richard W., Flushing Heights, N. Y. Head lamp. 2,189,164; Feb. 6.
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Indexing mechanism. 2,188,996; Feb. 6.
Carlson, Wendell L., and V. D. Landon, Haddonfield, N. J., assignors to Radio Corporation of America. All-wave antenna system. 2,189,309; Feb. 6.
Caron, Racine F., Moosup, Conn. Loom and weaving thereon. 2,189,444; Feb. 6.
Carothers, Wallace H., and H. B. Dykstra, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsaturated ether products and producing same. 2,189,529; Feb. 6.
Carpenter, Morris T., assignor to Standard Oil Company, Chicago, Ill. Refining fuel oil. 2,189,196; Feb. 6.
Carrier, Worthy W., Mound, and C. Victor, Minneapolis, Minn. Dry cleaning apparatus. 2,189,458; Feb. 6.
Carroll, Fred M., and J. H. Bakelaar, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,189,025; Feb. 6.
Carter, Bennie L., Washington, D. C. Fuse. 2,189,101; Feb. 6.
Carter Carburetor Corporation. (See Schweiss, Joseph, assignor.)
Carter, Fred. (See Harrison, R. D., Dean, and Carter.)
Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Diaphragm damper control for stokers. 2,189,511; Feb. 6.
Casserly, Patrick J., Cleveland, Ohio. Clothesline hanger. 2,189,626; Feb. 6.
Cataldo, Frank. (See Scofield, Lester W., assignor.)
Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)
Celanese Corporation of America. (See Lord, G., and Reeves, assignors.)
Celotex Corporation, The. (See Neumeister, Carl L., assignor.)
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Cerny, Joseph A., Cleveland, Ohio, assignor to The Alpha Engineering Company, Inc. Sealing device. 2,189,197; Feb. 6.
Champer, Leon E., and L. M. Christensen, Atchison, Kans., assignors to The Chemical Foundation, Incorporated, New York, N. Y. Producing phenol-cellulose resin. 2,189,132; Feb. 6.
Champer, Leon E., and L. M. Christensen, Atchison, Kans., assignors to The Chemical Foundation, Incorporated, New York, N. Y. Phenol-cellulose resin. 2,189,133; Feb. 6.
Champion Machinery Company. (See Evans, Bernard A., assignor.)
Chandler, Milton E., Detroit, Mich. Airplane engine control. 2,189,705; Feb. 6.
Chard, George F., Elmwood Park, assignor of one-half to J. M. Sachs, Chicago, Ill. Hyraulic brake. 2,189,134; Feb. 6.
Chemical Foundation, Incorporated, The. (See Champer, L. E., and Christensen, assignors.)
Childs, William L., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,039; Feb. 6.

Chisholm-Ryder Company. (See Wheeler, Henry J., assignor.)
Christensen, Leo M. (See Champer, L. E., and Christensen.)
Christofferson, Ralph W., San Francisco, Calif. Stand and heater. 2,189,165; Feb. 6.
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heavy duty snap-acting thermostat. 2,189,627; Feb. 6.
Clayton & Lambert Manufacturing Company. (See Ruepel, Fred R., assignor.)
Cleveland Welding Company. (See Uber, Harold R., assignor.)
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age resister. 2,189,725; Feb. 6.
Clipston, Frank J., Farragut, Iowa, assignor of one-half to S. Enemark and J. C. Enemark, Omaha, Nebr. Automatic side hill equalizer attachment for grain combines. 2,189,706; Feb. 6.
Cohn, Samuel, and J. G. Walter, assignors to Samcoe Holding Corporation, New York, N. Y. Fabric feeding control system. 2,189,166; Feb. 6.
Coleman, Roy E., Meriden, Conn., assignor, by mesne assignments, to The Zein Corporation of America. Stable zein solution. 2,188,895; Feb. 6.
Collis, Albert E., Salisbury, Mass. Smoking pipe reamer. 2,189,543; Feb. 6.
Columbus Auto Parts Company, The. (See Klages, Reynold E., assignor.)
Columbus Coated Fabrics Corporation. (See Hyatt, C. S., and Hedges, assignors.)
Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies Etablissements Kuhlmann. (See Kopp, G., and Gangneux, assignors.)
Compressed Industrial Gases, Inc. (See Glaum, John C., Jr., assignor.)
Comstock, George F., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Copper-titanium alloy. 2,189,198; Feb. 6.
Conover, Courtney, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Purifying benzoic acid. 2,189,726; Feb. 6.
Conrad, Carl, Chur, Switzerland. Episcope. 2,189,577; Feb. 6.
Consolidated Expanded Metal Companies, The. (See Mack, Wayne E., assignor.)
Continental Oil Company. (See Buford, Manville T., assignor.)
Continental Oil Company. (See Sibley, Barrett E., assignor.)
Cook, John V., assignor to The Petersen Oven Company, Chicago, Ill. Baking oven. 2,189,167; Feb. 6.
Cook, John V., assignor to The Petersen Oven Company, Chicago, Ill. Conveyer for baking ovens. 2,189,168; Feb. 6.
Copelin, Leonard S., Los Angeles, Calif. Core drill. 2,189,057; Feb. 6.
Corner, George H. C., Sutton Coldfield, England, assignor To Talon, Inc. Separable interlocking fastener. 2,189,727; Feb. 6.
Corsi, Nicholas, assignor to Ajax Bottle Cap Corp., Brooklyn, N. Y. Bottle capping machine. 2,189,628; Feb. 6.
Covington, John T., Durant, Okla. Cultivator mechanism. 2,189,707; Feb. 6.
Cox, George H., Detroit, Mich. Vehicle radiator grille guard. 2,189,169; Feb. 6.
Coyne, John J., Forest Hills, Long Island, N. Y. Vibration isolator. 2,189,708; Feb. 6.
Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,189,417; Feb. 6.
Cramp, Benjamin, Barkingside, Ilford, England. Machine for displaying and dispensing soap tablets or the like articles. 2,189,544; Feb. 6.
Creek Chub Bait Company. (See Davenport, Sam F., assignor.)
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Spacing apparatus. 2,189,199; Feb. 6.
Croft, George M., Vandergrift, assignor to Blaw-Knox Company, Blawnox, Pa. Soaking pit cover. 2,189,280; Feb. 6.
Crosley Corporation, The. (See Tyzzer, Howard J., assignor.)
Crouse, Charles D., and J. F. Marshall, West Alexandria, Ohio, assignors to Porcelain Strip Mills, Inc. Method and apparatus for reclaiming sheet metal. 2,189,578; Feb. 6.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 2,189,485; Feb. 6.
Culbertson, Joe W., West Hollywood, Calif., assignor to Technical Oil Tool Corporation, Ltd. Angle marker for inclination recording apparatus. 2,189,560; Feb. 6.
Cull, William, assignor to Scott Motors (Saltaire) Limited, Shipley, England. Scavenging of the cylinders of two-stroke-cycle internal combustion engines. 2,189,357; Feb. 6.
Curry, George J. (See Bryant, Melvin, assignor.)
Curtis, Leslie F., Great Neck, N. Y., assignor to Hazeltine Corporation. Remote control receiver. 2,189,310; Feb. 6.
Curtiss-Wright Corporation. (See Flader, Frederic E., assignor.)
Cutler-Hammer, Inc. (See Brown, Glendon C., assignor.)
Dahnert, Kurt. (See Bendorff, K., Bieber, and Dahnert.)
Dale, Clarence R., Beverly Hills, assignor to Dale Service Corporation, Culver City, Calif. Combination plug and dump bailer. 2,189,445; Feb. 6.
Dale Service Corporation. (See Dale, Clarence R., assignor.)
D'Amico, Andre, Rochester, N. Y. Building structure with self-contained raising and lowering mechanism. 2,189,486; Feb. 6.
Damon, James, Middletown, N. Y. Pie plate ring. 2,189,241; Feb. 6.
Damrow Brothers Company. (See Peters, Norman J., assignor.)
Daniels, Charles D., assignor of one-fourth to R. W. Lidzey, Mountainair, N. Mex. Rotary internal combustion engine. 2,189,728; Feb. 6.
Darner, Frederic M. (See Black, W. A., and Darner.)
Daub, Rudolph, Paterson, N. J., assignor to Wright Aeronautical Corporation. Crankcase. 2,189,600; Feb. 6.
Davenport, Sam F., assignor to Creek Chub Bait Company, Garrett, Ind. Fish lure. 2,189,487; Feb. 6.
Davis, Carlton C., Glen Ellyn, and J. H. Gregory, Wheaton, Ill., assignor, by mesne assignments, to Wilson Sporting Goods Company. Manufacturing playing ball centers. 2,189,514; Feb. 6.
Davis, Charles L., Santa Barbara, Calif. 2,188,997; Feb. 6.
Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding timing circuits. 2,189,601; Feb. 6.
Day, Roland B., Amarillo, Tex., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,189,058; Feb. 6.
Deal, Kenneth L., Cedar Rapids, Iowa. Crayon holder. 2,189,561; Feb. 6.
Dean, William H. (See Harrison, R. D., Dean, and Carter.)
Dearsley, George, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Feeding of web material to cigarette tipping apparatus and other machines. 2,189,059; Feb. 6.
Deems, Donald A., assignor to E. F. Pohl, St. Louis, Mo. Electric steaming iron. 2,189,709; Feb. 6.
De Lanty, Loren J. (See Jones, G. L., Perry, and De Lanty.)
Del Principe, Emil N., assignor to Sears, Roebuck and Co., Chicago, Ill. Accordion. 2,189,531; Feb. 6.
Denny, George D., assignor to Lowe Paper Company, Ridgefield, N. J. Foldable box. 2,189,602; Feb. 6.
Derby, Norman L., Philadelphia, Pa. Reversed bimetallic thermal element. 2,189,459; Feb. 6.
Derhammer, Claude W., East Cleveland, assignor to The Lakeside Steel Improvement Company, Cleveland, Ohio. Apparatus for hardening gears, gear teeth, and other articles. 2,189,460; Feb. 6.
Desèvre, Jean, Grand-Couronne, France. Separation, by floating, of ammonium chloride from its mixture with alkaline salts. 2,189,488; Feb. 6.
Detroit Hoist and Machine Company. (See Martin, Henry F., assignor.)
Detroit Lubricator Company. (See Foulds, Andrew K., assignor.)
Detroit Stoker Company. (See Wagner, Herbert L., assignor.)
Detroit Sulphite Pulp & Paper Company. (See Gschwender, E., and Bigelow, assignors.)
Deutsche Hollerith Maschinen Gesellschaft m. b. H. (See Maul, Michael, assignor.)
DeVilbiss Company, The. (See Rockwood, Earl L., assignor.)
De Wolfe, Donald F., New York, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph apparatus. 2,189,102; Feb. 6.
Dickson, Joseph F., assignor to Kewanee Boiler Corporation, Kewanee, Ill. Boiler. 2,189,135; Feb. 6.
Dietze, Emil, assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y. Tagging seal. 2,189,026; Feb. 6.
Di Felice, Crispino, Ardmore, Pa. Liquid cooler. 2,189,281; Feb. 6.
Diggory, Benjamin A., Plainfield, N. J., and G. K. Teal, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,188,940; Feb. 6.
Dilks, James J., Jr., Haddon Heights, N. J. Camera. 2,188,974; Feb. 6.
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dimmick, Glenn L., Erlton, N. J., assignor to Radio Corporation of America. Electrical impulse responsive means. 2,189,311; Feb. 6.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,189,060; Feb. 6.
Doerr, Grover, near Brownstown, Ind. Toilet seat cover and forming same. 2,189,562; Feb. 6.
Dohse, Hans, and R. Röber, Dortmund, Germany. Condensation of formaldehyde with urea and phenylthiourea. 2,189,563; Feb. 6.
Dolphin, William, Chicago, Ill. Cup and the like. 2,189,136; Feb. 6.

Donal, John S., Jr., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Mosaic electrode manufacture. 2,189,340; Feb. 6.
Donle, Harold P., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Electronic tube circuits. 2,189,461; Feb. 6.
Donle, Harold P., and M. A. Michaels, assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Bridge circuit. 2,189,462; Feb. 6.
Dow Chemical Company, The. (See Bass, S. L., and Britton, assignors.)
Dow Chemical Company, The. (See Bass, S. L., Kauppi, and Smith, assignors.)
Dow Chemical Company, The. (See Grether, E. F., and Du Vall, assignors.)
Dow Chemical Company, The. (See Hebbard, G. R., and Lloyd, assignors.)
Dow Chemical Company, The. (See Kauppi, T. A., Bacon, and Smith, assignors.)
Dow Chemical Company, The. (See Simons, Frank A., assignor.)
Downey, Bert F. (See Watson, Oliver, assignor.)
Dozler, Ernst, Berlin-Steglitz, Germany, assignor to General Electric Company. Electric braking system. 2,189,579; Feb. 6.
Draeger, Lloyd H., Milwaukee, Wis. Hitching device for trailers. 2,189,710; Feb. 6.
Draper, Alexis L. (See Faye, R. A., and Draper.)
Dreisbach, Paul F. (See Renshaw, R. R., and Dreisbach.)
Dreyfus, Henry. (See Rivat, Georges, assignor.)
Dripps, Harold E., and H. Rauser, Lake Charles, La. Testing tools for wells. 2,189,103; Feb. 6.
Dumont, Reiman D., New York, N. Y. Container cutter. 2,189,341; Feb. 6.
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Dykstra, assignors.)
Du Pont, E. I., de Nemours & Company. (See McCreery, Thomas, assignor.)
Du Pont, E. I., de Nemours & Company. (See Smith, G. H., and Van Winter, assignors.)
Du Pont, E. I., de Nemours & Company. (See Vincent-Daviss, Cedric A., assignor.)
Dupont-Munter, Florence, et al. (See Püschner, Julius and J., assignors.)
Durst, David L. (See Mizzy, D. D., and Durst.)
Dusterdick, William T., Denver, Colo. Machine for frying food. 2,189,200; Feb. 6.
Dützmann, Wilhelm. (See Steiner, Gustav, assignor.)
Du Vall, Russell D. (See Grether, E. F., and Du Vall.)
Dykstra, Harry B. (See Carothers, W. H., and Dykstra.)
Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eber, Jack, Bronx, N. Y. Combination lock. 2,189,342; Feb. 6.
Eddy, Albert I., Hillside, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Primary battery. 2,189,463; Feb. 6.
Eddy, William H., Downers Grove, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Keyboard perforator and counter. 2,189,545. Feb. 6.
Eden, James A., assignor to Baush Machine Tool Company, Springfield, Mass. Multiple spindle boring mechanism. 2,188,941; Feb. 6.
Edison, Thomas A., Incorporated. (See Eddy, Albert I., assignor.)
Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,189,546; Feb. 6.
Edwards, William F. M., assignor to Filter Tips Limited London, England. Manufacture of cigarettes. 2,188,998; Feb. 6.
Edwin, Eric, and M. Peterson, Denver, Colo. Device for grinding eccentricity in pistons. 2,189,242; Feb. 6.
Ehlers, Russell W. (See Fessler, A. H., Schwartzwaider, and Ehlers.)
Ehrhart, Gustav. (See Bockmühl, M., and Ehrhart.)
Eichner, Ferdinand R., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Connector strip. 2,189,137; Feb. 6.
Eichner, Ferdinand R., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Rubber mounting. 2,189,138; Feb. 6.
Elgenbrot, John L., Upper Darby, assignor to Westmoreland Coal Company, Philadelphia, Pa. Preparing coal. 2,189,711; Feb. 6.
Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 2,188,942; Feb. 6.
Eltzen, August D., Rockville Centre, assignor to New Projection Corporation, New York, N. Y. Page printer. 2,188,896; Feb. 6.
Electricitatsgesellschaft "Sanitas", G. m. b. H. (See Helbig, Adolf, assignor.)
Elliott, B. K., Company. (See Hinkel, Gustav A., assignor.)
Elliott, Harmon P., Watertown, Mass. Record printing plate for addressing machines. 2,189,104; Feb. 6.
Ellis-Foster Company. (See Lougovoy, Boris N., assignor.)
Ellis, Herbert, Shanghai, China, assignor to Linotype and Machinery Limited, London, England. Typographical slug casting machine and matrix therefor. 2,188,999; Feb. 6.
Ellis Laboratories, Inc. (See Swaney, Miller W., assignor.)
Emptage, Roy. (See Moskowitz, C. J., and Emptage.)
Emulsol Corporation, The. (See Katzman, Morris B., assignor.)
Enemark, June C., et al. (See Clipston, Frank J., assignor.)
Enemark, Sigurd, et al. (See Clipston, Frank J., assignor.)
Enterprise Manufacturing Company, The. (See Rief, Joseph W., assignor.)
Esch, Alfred, Landsberg-on-the-Warthe, Germany. Production of vermin killers. 2,189,730; Feb. 6.
Esposito, John, New York, N. Y. Ventilating device for automobile bodies. 2,189,000; Feb. 6.
Evans, Benjamin, Albany, and H. L. Metzger, assignors to Fort Orange Paper Company, Castleton on Hudson, N. Y. Box forming machine. 2,189,105; Feb. 6.
Evans, Bernard A., assignor to Champion Machinery Company, Joliet, Ill. Automatic overhead proofer. 2,189,243; Feb. 6.
Evans, George S. (See Knowles, D. C., and Evans.)
Evans, George S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crater cathode. 2,189,629; Feb. 6.
Evans, Harry L., Newport, R. I., and G. I. Hohl, Brooklyn, N. Y. Packet making and filling machine. 2,189,729; Feb. 6.
Evans, Robert D., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High speed presetting relay. 2,189,630; Feb. 6.
Evers, William L., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricant and producing same. 2,188,943; Feb. 6.
Express Lift Company Limited, The. (See Wells, Lancelot E., assignor.)
Fabry, William H. (See Bowdish, Meredith E., assignor.)
Fahnestock, Frank C. (See Sheldon, H. W., and Fahnestock.)
Fairbanks, Morse & Co. (See Budzien, Hugo F., assignor.)
Farmer, William M. R., Wyandotte, Mich. Indicator. 2,189,631; Feb. 6.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Diode oscillator tube construction. 2,189,358; Feb. 6.
Farnsworth Television & Radio Corporation. (See Baxter, Joseph M., assignor.)
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farrell, James L. (See Miller, H., and Farrell.)
Farrell, Marjorie B., executrix. (See Miller, H., and Farrell, assignors.)
Faulkner, Vivian J. (See Richardson, L. F., and Faulkner.)
Faye, Roy A., Watertown, and A. L. Draper, Dorchester, Mass. Combined clinical thermometer and sterilizer therefor. 2,189,061; Feb. 6.
Feller, Paul, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of propane and propylene from gas mixtures. 2,189,062; Feb. 6.
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Unterbusch, Franz, assignor.)
Fenske, Merrell R., and W. B. McCluer, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation. Treating mineral oils. 2,189,647; Feb. 6.
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Ferro Enamel Corporation. (See McIntyre, G. H., Bahnsen, and Sweo, assignors.)
Fessler, Albra H., K. Schwartzwalder, and R. W. Ehlers, Flint, assignors to General Motors Corporation, Detroit, Mich. Resistor. 2,189,515; Feb. 6.
Fields, Milo J., Bluffton, and C. Zuercher, Berne, Ind. Music note pitch teaching device. 2,189,359; Feb. 6.
Filter Tips Limited. (See Edwards, William F. M., assignor.)
Finley, Frank W. (See Morris, Jolly L., assignor.)
Finney, John H. V., Denver, Colo., assignor to H. C. Hirsch, El Paso, Tex. Material classifier. 2,189,418; Feb. 6.
Finney, John H. V., Denver, Colo., assignor to H. C. Hirsch, El Paso, Tex. Material classifier. 2,189,419; Feb. 6.
Fischer, Edwin L., Binghamton, N. Y., assignor to Radio Corporation of America. Film reel. 2,189,547; Feb. 6.
Fischer, Werner. (See Miescher, K., Wettstein, and Fischer.)
Fitch, Jason A. (See Anderson, A. H., Fitch, and Straubel.)
Flader, Fredric E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Gusseted fitting. 2,189,201; Feb. 6.
Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyestuffs. 2,189,262; Feb. 6.

Flexible Steel Lacing Company. (See Olsen, John C., assignor.)
Flory, Leslie E., Oaklyn, N. J., assignor to Radio Corporation of America. Photoelectric cathode. 2,189,322; Feb. 6.
Foerster, Charles V. (See Cape, A. T., and Foerster.)
Ford, James G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bushing. 2,189,632; Feb. 6.
Fort Orange Paper Company. (See Evans, B., and Metzger, assignors.)
Foster, Dudley E., Orange, N. J., assignor to Radio Corporation of America. Receiver tuning control. 2,189,282; Feb. 6.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Signal coupling network. 2,189,063; Feb. 6.
Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
Foulds, Andrew K., Grosse Pointe Park, assignor to Detroit Lubricator Company, Detroit, Mich. Liquid level control means. 2,189,662; Feb. 6.
Fox, Harold E., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Coach construction. 2,189,139; Feb. 6.
Fox, Kent R., St. Louis, and I. Hatfield, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Tableted polychlorophenol salts. 2,188,944; Feb. 6.
Fränz, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Beacon aerial. 2,189,283; Feb. 6.
Frenkel, Arnold. (See Goldhammer, Helene, assignor.)
Fried, John, Peoria, Ill. Towing reach for automobiles. 2,189,393; Feb. 6.
Fried, John, Peoria, Ill. Apparatus for truing wheels. 2,189,394; Feb. 6.
Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Wheel hub construction. 2,189,464; Feb. 6.
Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Pulverization system. 2,189,312; Feb. 6.
Fritz, John J., Bradford, Pa. Antislipping shoe. 2,189,489; Feb. 6.
Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Adjustable two-pole capacitive coupler. 2,189,284; Feb. 6.
Fritz, William A., Columbus, Ohio. Closure for collapsible tubes. 2,189,343; Feb. 6.
Fujimoto, Saburo, Honolulu, Hawaii. Inclinometer. 2,189,516; Feb. 6.
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Printing and punching machine. 2,189,027; Feb. 6.
Fuston, Edith. (See Kirby, Isaac, assignor.)
Gangneux, René. (See Kopp, G., and Gangneux.)
Garland, Edward E., Belleville, N. J. Automatic firearm. 2,189,202; Feb. 6.
Garson, Thomas N., and F. C. Melchior, New York, N. Y. Heat transfer apparatus. 2,189,532; Feb. 6.
Garve, Alexander and O. Kurtz, assignors to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Internal combustion engine. 2,189,106; Feb. 6.
Gates, Geoffrey R. G. (See Brock, D. T., and Gates.)
Gates Rubber Company, The. (See Yelm, Charles W., assignor.)
Gaussoin, Julius, Portland, Oreg. Trailer construction. 2,189,170; Feb. 6.
Gaylord Container Corporation. (See Stute, Henry C., assignor.)
General Aniline & Film Corporation. (See Fleischhauer, Richard, assignor.)
General Aniline & Film Corporation. (See Muth, Friedrich, assignor.)
General Aniline & Film Corporation. (See Schlichenmeier, Hans, assignor.)
General Chemical Company. (See Park, Ralph S., assignor.)
General Electric Company. (See Brunke, Fritz, assignor.)
General Electric Company. (See Dozier, Ernst, assignor.)
General Electric Company. (See Hewlett, Clarence W., assignor.)
General Electric Company. (See Lincks, George F., assignor.)
General Electric Company. (See Moe, William W., assignor.)
General Electric Company. (See Watts, Noble H., assignor.)
General Motors Corporation. (See Babitch, Abraham M., assignor.)
General Motors Corporation. (See Bacon, Elbridge F., assignor.)
General Motors Corporation. (See Blomberg, Martin P., assignor.)
General Motors Corporation. (See Fessler, A. H., Schwartzwalder, and Ehlers, assignors.)
General Motors Corporation. (See Grooms, Albert O., assignor.)
General Motors Corporation. (See Kauffman, Jesse S., assignor.)
General Motors Corporation. (See Kucher, Andrew A., assignor.)
General Motors Corporation. (See Randolph, D. W., and McCulloch, assignors.)
General Motors Corporation. (See Stuerzl, Henry C., assignor.)
General Motors Corporation. (See Upson, Charles A., assignor.)
General Refrigeration Corporation. (See Swart, Richard H., assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control. 2,189,548; Feb. 6.
Gilbert, A. C., Company, The. (See Frisbie, Marshall H., assignor.)
Gilbert, Lloyd A., Billings, Okla., assignor to Phillips Petroleum Company. Gripping device. 2,189,244; Feb. 6.
Gillis, Randall, La Grange, and C. T. Prendergast, Chicago, Ill., assignors to Western Electric Company Incorporated, New York, N. Y. Hard lead alloys and making such alloys. 2,189,064; Feb. 6.
Girardin, Louis, Paris, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Signal transmitting apparatus. 2,189,171; Feb. 6.
Glascock Brothers Mfg. Co. (See Baker, Robert E., assignor.)
Glaum, John C., Jr., Chicago, Ill., assignor to Compressed Industrial Gases, Inc. Gas cutting machine. 2,189,140; Feb. 6.
Glazier, Arthur J. (See Haley, R. V., Glazier, and Tietig.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tire buffer. 2,189,203; Feb. 6.
Goin, George R., Detroit, Mich., assignor to Peninsular Metal Products Corporation. Vehicle running gear. 2,189,204; Feb. 6.
Goldhammer, Helene, assignor to A. Frenkel, Vienna, Austria. Disinfectant and wound remedy and the production thereof. 2,189,564; Feb. 6.
Gomonet, Edouard, assignor to Societe Anonyme pour les Applications de l'Electricité et des Gaz Rares, Etablissements Claude-Paz et Silva, Paris, France. Double-walled electric incandescent lamp. 2,188,945; Feb. 6.
Good Humor Corporation of America. (See Otken, Edwin J., assignor.)
Goodrich, B. F., Company, The. (See Craig, David, assignor.)
Goodrich, B. F., Company, The. (See Yohe, Robert V., assignor.)
Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio goniometer. 2,189,517; Feb. 6.
Gould, Merle E., White Plains, N. Y., assignor to Photoelectric Business Machines, Inc., Washington, D. C. Light-responsive commutator or switchboard. 2,189,001; Feb. 6.
Gould, Robert H., Johannesburg, Transvaal, Union of South Africa. Indicating apparatus. 2,189,107; Feb. 6.
Government of the United States of America, The. (See Proffitt, Max J., assignor.)
Graham, Eugene, Jr. (See Burt, C. E., and Graham.)
Graham, Harold J., Boston, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,189,603; Feb. 6.
Grand Rapids Store Equipment Company. (See Vanderveld, Charles F., assignor.)
Graviner Manufacturing Company Limited. (See Mathisen, Anders, assignor.)
Gray, Alvin N., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated conductor and making the same. 2,189,395; Feb. 6.
Green Co. Inc., The. (See Smith, L. G., and Green, assignors.)
Green, James F. (See Smith, L. G., and Green.)
Gregory, Jesse H. (See Davis, C. C., and Gregory.)
Greig, James W., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Adjustable seat. 2,189,396; Feb. 6.
Grether, Ernest F., and R. D. Du Vall, assignors to The Dow Chemical Company, Midland, Mich. Carbonates of hydroxybenzoic acid esters. 2,189,205; Feb. 6.
Griesel, Heinrich, Berlin, Germany. Reinforced-concrete structure. 2,189,108; Feb. 6.
Griffin, George G., Indianapolis, Ind. Apparatus for electrically roasting coffee berries. 2,189,206; Feb. 6.
Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,189,663; Feb. 6.
Gruber, Wilhelm B., Portland, Oreg. Stereoscopic viewing device. 2,189,285; Feb. 6.
Gruen Watch Company, The. (See Thiebaud, Henri, assignor.)
Gschwender, Ernst, and W. C. Bigelow, assignors to Detroit Sulphite Pulp & Paper Company, Detroit, Mich. Paper making machine. 2,189,518; Feb. 6.

Guenther, Fritz, Ludwigshafen-on-the-Rhine, and H. Haussmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of nitrogen-containing condensation products useful in the textile and related industries. 2,189,648; Feb. 6.
Guinez, Antonio, assignor of one-tenth to C. Badalamente, New York, N. Y. Measuring instrument. 2,189,245; Feb. 6.
Gunberg, Harry W. (See Buck, R. S., and Gunberg.)
Gunderson, Reuben J., assignor to Animal Tongue Protector, Inc., Chicago, Ill. Tongue protector device. 2,189,141; Feb. 6.
Gustafson, Carl A., Minneapolis, Minn., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,189,286; Feb. 6.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,189,344; Feb. 6.
Gutmann, Ferdinand, & Co. (See Eisen, Jay B., assignor.)
Gutmann, Ferdinand, & Co. (See Gutmann, Jesse, assignor.)
Gutmann, Jesse, Babylon, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 2,188,946; Feb. 6.
Haberstump, Alfred H. (See Avery, C. W., and Haberstump.)
Hacker, Oskar, assignor to Steyr-Daimler-Puch A. G., Steyr, Austria. Motor vehicle transmission. 2,189,109; Feb. 6.
Hagenbook, Thurloe M., assignor to International Door Company, Evansville, Ind. Lock for revolving doors. 2,189,712; Feb. 6.
Haley, Roy V., and A. J. Glazier, Cincinnati, Ohio, and C. Tietig, Covington, Ky. Windshield or the like. 2,189,465; Feb. 6.
Hall, Eric E., assignor of one-half to O. Johnson and A. Horner, Chicago, Ill., co-partners, doing business as Johnson and Horner. Sash window construction. 2,189,142; Feb. 6.
Hall, Irving B., Chicago, Ill. Desk construction. 2,188,897; Feb. 6.
Hall, Phil D. (See Bonner, R. W., and Hall.)
Haller, Herbert L. J. (See Schechter, M. S., and Haller.)
Hammer, Wilhelm, Augsburg, Germany. Quick releasing chuck. 2,189,002; Feb. 6.
Hamprecht, Guenther, and G. Pauckner, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Precipitation of copper. 2,189,263; Feb. 6.
Hanlin, Robert A. (See Book, H. B., and Hanlin.)
Hanna, Clinton R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed regulator. 2,189,633; Feb. 6.
Hanna, Clinton R., and S. J. Mikina, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed governor. 2,189,634; Feb. 6.
Hansen, Jacob A., Hampton, Iowa. Handling tool. 2,189,713; Feb. 6.
Hansen, Thorwald H., Brighton, Trinidad, British West Indies. Reinforced pile and making the same. 2,189,028; Feb. 6.
Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Sprayed evaporator. 2,189,731; Feb. 6.
Harbordt, Carl G., Kansas City, Mo. Freezing pan assembly. 2,189,446; Feb. 6.
Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Humidifier. 2,189,003; Feb. 6.
Harnischfeger Corporation. (See Blum, Frank M., assignor.)
Harriman, Loyd R. (See Ace, A. H., and Harriman.)
Harrington, Edward L., assignor to Blaw-Knox Company, Pittsburgh, Pa. Head for clamshell buckets. 2,189,065; Feb. 6.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,029; Feb. 6.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,030; Feb. 6.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,031; Feb. 6.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,034; Feb. 6.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,037; Feb. 6.
Harris, Benjamin R., Chicago, Ill. Organic nitrogenous base derivatives of ether derivatives. 2,189,397; Feb. 6.
Harris, Henry H., Champaign, Ill. Roller rail for industrial heating furnaces. 2,189,143; Feb. 6.
Harrison, Robert D., Bradford, W. H. Dean, Guisley, and F. Carter, Bradford, England. Means and apparatus for the extraction of burs from wool and other textile fibers. 2,189,519; Feb. 6.
Hart, David M., Los Angeles, Calif. Water heater. 2,189,490; Feb. 6.
Hartford-Empire Company. (See Rowe, George E., assignor.)
Harvey, Harold C., assignor to Harvey Paper Products Company, Sturgis, Mich. Dispensing box or container for roll paper. 2,189,533; Feb. 6.
Harvey Paper Products Company. (See Harvey, Harold C., assignor.)
Harwood, Reymour E., Kenmore, assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Apparatus for necking in the ends of containers. 2,189,004; Feb. 6.
Haselton, Merton L. (See Hicks, R. M., and Haselton, assignors.)
Haskell, Robert K., and H. C. Mann, Watertown, Mass. Variable speed impact machine. 2,188,898; Feb. 6.
Hatfield, Ira. (See Fox, K. R., and Hatfield.)
Hathorn, Charles E., Kenmore, N. Y. Clamp. 2,189,172; Feb. 6.
Haussmann, Hans. (See Guenther, F., and Haussmann.)
Haviland, Ebenezer W., Brookeville, Md. Fly swatter. 2,189,360; Feb. 6.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Contacting process and apparatus. 2,189,491; Feb. 6.
Haynes Stellite Company. (See Smith, Edward F., assignor.)
Haynes Stellite Company. (See Wissler, William A., assignor.)
Hazeltine Corporation. (See Curtis, Leslie F., assignor.)
Hazeltine Corporation. (See Hershey, Lloyd M., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Healy, Francis P., assignor to Van Norman Machine Tool Company, Springfield, Mass. Boring bar guiding mechanism. 2,189,604; Feb. 6.
Heath, George F., St. Louis, Mo. Conduit. 2,189,207; Feb. 6.
Hebbard, George M., and L. E. Lloyd, assignors to The Dow Chemical Company, Midland, Mich. Recovery of diolefins from hydrocarbon mixtures. 2,188,899; Feb. 6.
Hebbard, George M., and L. E. Lloyd, assignors to The Dow Chemical Company, Midland, Mich. Recovery of gaseous diolefins. 2,189,173; Feb. 6.
Hedges, William D. (See Hyatt, C. S., and Hedges.)
Heiland, Carl A., assignor to Heiland Research Corporation, Denver, Colo. Method and apparatus for electrical propecting. 2,189,377; Feb. 6.
Heiland Research Corporation. (See Heiland, Carl A., assignor.)
Heinisch, Paul, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. Motion picture camera. 2,189,500; Feb. 6.
Helbig, Adolf, assignor to Electricitatsgesellschaft "Sanitas", G. m. b. H., Berlin, Germany. Short wave generator. 2,189,501; Feb. 6.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,189,066; Feb. 6.
Henne, Adolf H., Millbury, assignor to The Worcester Knitting Company, Worcester, Mass. Compensator for feeding elastic thread. 2,189,492; Feb. 6.
Henry, Elmer F., Raton, N. Mex. Grinding machine attachment. 2,189,246; Feb. 6.
Herbold, Carl F., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode feeding mechanism for arc searchlights. 2,189,605; Feb. 6.
Hershberger, William D., Collingswood, N. J., assignor to Radio Corporation of America. Antenna switching system. 2,189,549; Feb. 6.
Hershey, Lloyd M., Brooklyn, N. Y., assignor to Hazeltine Corporation. Remotely controlled radio receiver. 2,189,287; Feb. 6.
Hertler, William, Pittsburgh, Pa. Saw trimmer vise. 2,188,976; Feb. 6.
Herz, Ferdinand B., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Multiple heat exchange unit. 2,188,975; Feb. 6.
Hessenmuller & Wolpert. (See Wolpert, O., and Ludwig, assignors.)
Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Making photoelectric cell. 2,189,580; Feb. 6.
Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Centrifugally controlled variable speed transmission. 2,189,288; Feb. 6.
Hicks, Raymond M., Plainfield, N. J., and M. L. Haselton, Rye, assignors to The Teleregister Corporation, New York, N. Y. Indicating device. 2,189,581; Feb. 6.
Higgins, Roberta B., Westmount, Quebec, Canada. Cut out toy. 2,189,550; Feb. 6.
Hilado, Alfonso, Silay, P. I. Electrical binding post. 2,189,714; Feb. 6.
Hillegas, Elmer E., Piedmont, Calif. Flush-tank control. 2,189,345; Feb. 6.
Hineline, Harris D., Mount Vernon, N. Y. Amplifier system. 2,189,582; Feb. 6.
Hinkel, Gustav A., assignor to B. K. Elliott Company, Pittsburgh, Pa. Light sensitive paper and sensitizing composition therefor. 2,188,900; Feb. 6.
Hirsch, Homer C. (See Finney, John H. V., assignor.)
Hlavaty, Rudolf F., Cicero, Ill. Making a sewn and cemented article. 2,189,067; Feb. 6.
Hockenyos, George L., Springfield, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Addition compounds of cyclohexylamines and monocyclic phenols. 2,189,420; Feb. 6.
Hoge, Philip B., Elizabeth, N. J. Dust screen valve mechanism. 2,189,361; Feb. 6.
Hohl, George I. (See Evans, H. L., and Hohl.)

Hohl, John, Westport, Conn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Container. 2,189,174; Feb. 6.
Hoiseth, Selmer E., Wilmar, Minn. Connector yoke for flashlights. 2,189,715; Feb. 6.
Holden, John, Reddish, Stockport, England, assignor to Keuffel & Esser Company, Hoboken, N. J. Ferroprussiate photoreproduction. 2,189,264; Feb. 6.
Holland Company. (See Holland, Cyrus J., assignor.)
Holland, Cyrus J., Chicago, Ill., assignor to Holland Company. Nonharmonic load supporting spring unit. 2,189,208; Feb. 6.
Hollmann, Hans E., Berlin-Lichterfelde, Germany, assignor to Radio Patents Corp., New York, N. Y. Cathode ray device. 2,189,583; Feb. 6.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 2,189,584; Feb. 6.
Honaman, Richard K., Bloomfield, and L. K. Swart, Mountain Lakes, N. J., assignors to American Telephone and Telegraph Company. Voltage recording device. 2,189,110; Feb. 6.
Hopkins, Raymond E., Weymouth, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoes. 2,188,977; Feb. 6.
Horner, Arthur, et al. (See Hall, Eric E., assignor.)
Horstmann, Sidney A., Bath, England. Grinding or abrading machine. 2,188,947; Feb. 6.
Howard and Bullough, Limited. (See Pilling, John, assignor.)
Howell, Harpster H., Brighton, Mich. Thread tensioning attachment for sewing machines. 2,189,732; Feb 6.
Hubbell, Minott P., Ashburnham, Mass. Drill chuck. 2,189,068; Feb. 6.
Hudson Motor Car Company. (See Greig, James W., assignor.)
Huebner, Samuel A., Forest Junction, Wis. Service signal equipment. 2,188,948; Feb. 6.
Hughes, Samuel B., Omaha, Nebr., assignor to American Telephone and Telegraph Company. Signal measuring system. 2,189,111; Feb. 6.
Humoco Corporation. (See Moore, George A., assignor.)
Hunt, Seymour, Jackson Heights, N. Y., assignor to Radio Corporation of America. Signal rectifier circuits. 2,189,313; Feb. 6.
Hunter, Rex A., Bristol, Pa. Torpedo. 2,189,398; Feb. 6.
Huschka, Maria, New York, N. Y. Fowl-dressing appliance. 2,189,421; Feb. 6.
Husted, Harry A., St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Anchoring spokes to steering wheel hubs. 2,189,005; Feb. 6.
Hutaff, George H., Jr. (See Maurer, William O., assignor.)
Hutaff, George H., Jr., Wilmington, N. C. Eraser attachment for typewriters. 2,189,649; Feb. 6.
Hutchinson, William V., Kingsbury, London, England. Molding of sheet material. 2,189,006; Feb. 6.
Huth, Ludwig, Burlington, Iowa. Frostproof jacket. 2,189,466; Feb. 6.
Hyatt, Charles S., and W. D. Hedges, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Making waterproof cloth. 2,188,901; Feb. 6.
Hydraulic Brake Company. (See Loweke, Aaron A., assignor.)
Hygrade Sylvania Corporation. (See Acheson, M. A., and McClintock, assignors.)
Hygrade Sylvania Corporation. (See Bowie, Robert M., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Feiler, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Guenther, F., and Haussmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hamprecht, G., and Panckner, assignors.)
Imperial Chemical Industries Limited. (See Ashcroft, Donald G., assignor.)
Imperial Chemical Industries Limited. (See Traill, David, assignor.)
Industrial Rayon Corporation. (See Andersson, Per J. E., assignor.)
Industrial Rayon Corporation. (See Burkholder, Alden H., assignor.)
Industrial Rayon Corporation. (See Knebusch, W. F., and Burkholder, assignors.)
Ingersoll, Harold G., and A. C. Borg, New Castle, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,189,534; Feb. 6.
International Business Machines Corporation. (See Ayres, Waldemar A., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Carroll, F. M., and Bakelaar, assignors.)
International Business Machines Corporation. (See Fuller, Frederick L., assignor.)
International Business Machines Corporation. (See Mills, Albert W., assignor.)
International Business Machines Corporation. (See Paris, Robert E., assignor.)
International Business Machines Corporation. (See Smith, C. C., and Johnson, assignors.)
International Door Company. (See Hagenbook, Thurloe M., assignor.)
International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)
International Harvester Company. (See Thompson, Frank, assignor.)
International Paper Company. (See Mahannah, E. A., and Bailey, assignors.)
Inzerillo, James, Chicago, Ill. Window seat. 2,189,520; Feb. 6.
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Irwin, George W., Holland, assignor to The Toledo General Manufacturing Company, Toledo, Ohio. Combined drilling and tapping machine. 2,189,422; Feb. 6.
Ischinger, Alfred E., Mt. Penn, assignor to Textile Machine Works, Wyomissing, Pa. Fabric inspection device. 2,189,650; Feb. 6.
Ishmael, John H., Spearfish, S. Dak. Signal. 2,189,362; Feb. 6.
Jackson, Charles J. F., Winnipeg, Manitoba, Canada. Dental massaging, cleaning, and medicating device. 2,189,175; Feb. 6.
Jackson, John G., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,188,949; Feb. 6.
Jacobs, Abraham, Cleveland, Ohio. Ornament and button shield. 2,189,467; Feb. 6.
Jahr, M. Rudolf. (See Siegenheim, Max, assignor.)
Jamgotch, Nish A., Minneapolis, Minn. Cleaning pile and other fabrics. 2,189,209; Feb. 6.
Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. Sealing mechanism for wrapping machines. 2,189,069; Feb. 6.
Johnson, Albert K., Fargo, N. Dak. Wedge fastener for scraper blades. 2,189,745; Feb. 6.
Johnson, Fred V., deceased, by L. T. Johnson, executrix, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for twisting and reeling material. 2,189,314; Feb. 6.
Johnson and Horner. (See Hall, Eric E., assignor.)
Johnson, James P., Shaker Heights, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio. Fuel pump. 2,189,210; Feb. 6.
Johnson Laboratories, Inc. (See Sinninger, Dwight V., assignor.)
Johnson, Lila T., executrix. (See Johnson, Fred V.)
Johnson, Maria, Saugerties, N. Y. Foldable lap table. 2,189,247; Feb. 6.
Johnson, Matthey & Company. (See Powell, Alan R., assignor.)
Johnson, Otto, et al. (See Hall, Eric E., assignor.)
Johnson, Robert M. (See Smith, C. C., and Johnson.)
Johnson, William F. (See Andrews, A. E., and Johnson.)
Johnston, Norman F., assignor of one-half to J. Marshall, Glasgow, Scotland. Ventilator, air diffuser, and the like. 2,189,502; Feb. 6.
Jones, George L., Garden City, and W. M. Perry and L. J. De Lanty, assignors to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,189,112; Feb. 6.
Jones, Kenneth E., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,036; Feb. 6.
Jones, Kenneth E., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,038; Feb. 6.
Jones, Kenneth E., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,040; Feb. 6.
Jones, Nosmo. (See Van Buren, W., and Jones.)
Jones, Sherman B., Elbert County, Colo. Paint skimmer. 2,189,565; Feb. 6.
Jordan, Ernst, Hamburg, Germany. Snap fastener. 2,188,950; Feb. 6.
Jordan, John F. (See Kock, W. E., and Jordan.)
Jung, Albert H., assignor to United American Metals Corporation, Brooklyn, N. Y. Feeder apparatus. 2,189,113; Feb. 6.
K. L. G. Sparking Plugs Limited. (See Carington, Charles M., assignor.)
Kafka, Wilhelm. (See Siebert, E., and Kafka.)
Kale, Russell H. (See Tripp, W. W., and Kale.)
Kalous, Mieczyslaw J., London, England. Process and apparatus for working up nitrous gases to nitric acid. 2,189,363; Feb. 6.
Kamp, Franklin P., Eggertsville, N. Y. Automatic lock opener. 2,189,346; Feb. 6.
Karasik, Louis. (See Burt, Harry M., assignor.)
Karolus, August, Leipzig, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television receiver. 2,189,315; Feb. 6.
Kash, Steven, Gary, Ind. Safety latch for coil tilters. 2,189,716; Feb. 6.
Katzman, Morris B., assignor to The Emulsol Corporation, Chicago, Ill. Nitrogenous compounds. 2,189,664; Feb. 6.
Kauffman, Hans O., Eggertsville, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching fibers and a composition therefor. 2,189,378; Feb. 6.
Kauffman, Jesse S., assignor to General Motors Corporation, Detroit, Mich. Starting system for internal combustion engines and the like. 2,188,902; Feb. 6.
Kauppi, Toivo A. (See Bass, S. L., Kauppi, and Smith.)

Kauppi, Toivo A., K. D. Bacon, and F. B. Smith, assignors to The Dow Chemical Company, Midland, Mich. Polystyrene compositions. 2,188,903; Feb. 6.
Keith, Percival C., Jr., Peapack, N. J., assignor to Process Management Company, Inc., New York, N. Y. Manufacture of gasolinelike hydrocarbons. 2,189,265; Feb. 6.
Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)
Kendall, Ira H., Potsdam, N. Y. Machine for washing milk cans. 2,189,176; Feb. 6.
Kern, Walter, Sissach, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products containing nitrogen and making same. 2,189,503; Feb. 6.
Kessel, Josef, Krefeld, Germany. Stencil printing machine. 2,189,007; Feb. 6.
Keuffel & Esser Company. (See Holden, John, assignor.)
Kewanee Boiler Corporation. (See Dickson, Joseph F., assignor.)
Kierner, Anton, assignor to E. Prazak, Elizabeth, N. J. Multiple looper means for sewing machines. 2,189,041; Feb. 6.
King, Ernest S. (See Britten, J. F., King, and Baumgard.)
King, George E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,189,606; Feb. 6.
King, Jasper E., and V. R. Powell, Denver, Colo., dedicated to the free use of the People of the United States of America. Mosaic spider. 2,189,585; Feb. 6.
King, Wyatt M., assignor to S. E. Overton Company, South Haven, Mich. Picture frame. 2,189,521; Feb. 6.
Kirby, Isaac, Wichita, Kans., assignor to E. Fuston, Long Beach, Calif. Jack. 2,189,665; Feb. 6.
Kirch, Charles E., Buffalo, N. Y. Dispensing cabinet for paper towels. 2,189,493; Feb. 6.
Kirkby, Byron W., Brockville, Ontario, Canada. Fruit and vegetable display device. 2,189,114; Feb. 6.
Kirschbaum, Harry M., et al. (See Bonner, R. W., and Hall, assignors.)
Kirshner, Arthur C., assignor to The National Cash Register Company, Dayton, Ohio. Drawer mechanism for cash registers. 2,189,177; Feb. 6.
Kirsten, Walter R., St. Louis, Mo. Hose holder. 2,189,364; Feb. 6.
Kistler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Resin bonded abrasive article. 2,189,733; Feb. 6.
Kistler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Resin bonded abrasive article. 2,189,734; Feb. 6.
Kistler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Resin bonded abrasive article. 2,189,735; Feb. 6.
Kjellgren, Bengt R. F., and C. B. Sawyer, Cleveland Heights, assignors to The Brush Beryllium Company, Cleveland, Ohio. Producing metallic beryllium. 2,188,904; Feb. 6.
Klages, Reynold E., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Joint construction. 2,189,266; Feb. 6.
Klaus, Otto, San Antonio, Tex. Coin controlled scoreboard. 2,189,504; Feb. 6.
Klemperer, Hans, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device. 2,189,635; Feb. 6.
Kliewer, John L., Chicago, Ill. Chocolate and making same. 2,189,144; Feb. 6.
Kline, Lee A., Niles, Ohio. Depolarization of primary cells. 2,189,666; Feb. 6.
Knebusch, Walter F., and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for handling thread or the like. 2,188,905; Feb. 6.
Knowles, Dewey D., Wilkinsburg, and G. S. Evans, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Long life cathode for electron tubes. 2,189,636; Feb. 6.
Kobbé, William H., New York, N. Y. Sulphurized polymer of dihydronaphthalene. 2,189,468; Feb. 6.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Diversity antenna system. 2,189,317; Feb. 6.
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Signal transmitting and receiving system. 2,189,316; Feb. 6.
Kock, Winston E., and J. F. Jordan, assignors to The Baldwin Company, Cincinnati, Ohio. Electrical generator. 2,189,469; Feb. 6.
Koehring Company. (See Tranaas, E. L., and Omon, assignors.)
Köhnke, Johan F., Haarlem, Netherlands. Pipe joint. 2,189,070; Feb. 6.
Kolozsy, Louis W., Astoria, assignor, by mesne assignments to C. S. I. Development Corporation, New York, N. Y. Intercommunicating system. 2,189,267; Feb. 6.
Kön, Samuel, and M. Tournadre, Petit-Couronne, France, assignors to Shell Development Company, San Francisco, Calif. Treating soda asphalt. 2,189,379; Feb. 6.
Kopp, George W., Hicksville, N. Y. Apparatus for the manufacture of concrete pipe. 2,189,071; Feb. 6.
Kopp, Georges and R. Gangneux, Rouen, assignors to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Production of polyazo dyestuffs and new industrial products resulting therefrom. 2,189,522; Feb. 6.
Kother, Hans. (See Steinbauer, W., Kother, and Müller.)
Kraus, Armin J., assignor to The Richards Chemical Works, Incorporated, Jersey City, N. J. Insecticide. 2,188,951; Feb. 6.
Krell, Joseph, Berlin-Zehlendorf, assignor to Adrema Maschinenbauges m. b. H., Berlin, Germany. Selective addressing machine. 2,189,115; Feb. 6.
Kreidel, Hans, Wiesbaden, Germany, assignor to Patex Societe Anonyme, Basel, Switzerland. Coupling for tubes and pipes. 2,189,566; Feb. 6.
Krenzien, Otto, Berlin-Siemensstadt, assignor to Siemens-Halske Aktiengesellschaft, Siemensstadt, Berlin, Germany. Electron multiplier tube. 2,189,318; Feb. 6.
Kries, John, Glendale, N. Y. Vehicle towing connector. 2,189,667; Feb. 6.
Krischke, George A., Rochester, N. Y. Table for automobile. 2,189,607; Feb. 6.
Kucher, Andrew A., Dayton, Ohio. Boiler. 2,189,365; Feb. 6.
Kucher, Andrew A., assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,189,494; Feb. 6.
Kurth, Franz J., New York, N. Y. Ventilating device. 2,189,008; Feb. 6.
Kurtz, Oskar. (See Garve, A., and Kurtz.)
Lachance, Modeste J. (See Stimpson, W. F., and Lachance.)
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening inserting machine. 2,188,978; Feb. 6.
Lackey, James A., Belleville, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Apparatus for making grids. 2,188,906; Feb. 6.
Lacroix, George U., Waltham, Mass. Fold pack. 2,189,608; Feb. 6.
Lakeside Steel Improvement Company, The. (See Derhammer, Claude W., assignor.)
Lallement, Lawrence A., Wichita, Kans. Bottle washer and sterilizer. 2,189,586; Feb. 6.
Lallement, Lawrence A., Wichita, Kans. Bottle carrier. 2,189,587; Feb. 6.
Lambert, Louis F. (See Stoller, Benjamin B., assignor.)
Lancaster Iron Works, Inc. (See Renkin, William O., assignor.)
Landon, Vernon D. (See Carlson, W. L., and Landon.)
Lansing, Horace L., Rutherford, N. J., assignor to Poor & Company, New York, N. Y. Unbalanced splice bar with balanced ratios. 2,189,009; Feb. 6.
Laos, Gilbert E., Tucson, Ariz. Curler. 2,189,505; Feb. 6.
Lauter, Werner M., Kalamazoo, Mich., assignor to Wingfoot Corporation, Wilmington, Del. Age resistor. 2,189,736; Feb. 6.
Lavett, Charles O., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y. Drying solutions containing lactose. 2,188,907; Feb. 6.
Lavett, Charles O., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y. Coagulating proteins in liquor. 2,188,908; Feb. 6.
Leadbetter, Ralph L., Wheaton, assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Surge filter for pulsating gases. 2,189,423; Feb. 6.
Leadbetter, Ralph L., Wheaton, assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Surge filter for pulsating gases. 2,189,424; Feb. 6.
Leadbetter, Ralph L., Wheaton, assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Surge filter for pulsating gases. 2,189,425; Feb. 6.
Lee, John J., Los Angeles, Calif. Exercising and stretching device. 2,189,145; Feb. 6.
Leedal Products, Inc. (See Ruppert, Henry, assignor.)
Lehman, Edward G., assignor to York Ice Machinery Corporation, York, Pa. Finned tube. 2,189,652; Feb. 6.
Leighton, John W., Port Huron, Mich. Arm for individual suspension. 2,189,651; Feb. 6.
Leighton, John W., Port Huron, Mich. Suspension arm. 2,188,909; Feb. 6.
Leighton, John W., Port Huron, Mich. Independent springing. 2,188,910; Feb. 6.
Leighton, John W., Port Huron, Mich. Individual springing. 2,188,952; Feb. 6.
Leitz, Ernst, G. m. b. H. (See Mulch, Hans, assignor.)
Lessmann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fluid-pressure operated tensiometer. 2,189,609; Feb. 6.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Tractor and implement unit. 2,188,072; Feb. 6.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Tractor mounted crane. 2,189,426; Feb. 6.
Leute, Karl M., and H. M. Lowry, Minneapolis, Minn. Painting machine for shingles. 2,189,668; Feb. 6.
Levine, Jesse, New York, N. Y. Vibrator roller for printing presses. 2,189,073; Feb. 6.

Lewbers, Mys M., Bayside, N. Y., assignor to The Linde Air Products Company. Electric welding apparatus. 2,189,399; Feb. 6.

Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)

Lewis, James W., Spartanburg, S. C. Transporting apparatus. 2,189,010; Feb. 6.

Lewis, Oswald F., assignor of one-half to Newton, Chambers & Company Limited, near Sheffield, England. Endless chain cutting machine for use in mining coal and other minerals. 2,189,669; Feb. 6.

Lewis, Oswald F., assignor of one-half to Newton, Chambers & Company Limited, near Sheffield, England. Coal cutting machine. 2,189,670; Feb. 6.

Lidzey, Ralph W. (See Daniels, Charles D., assignor.)

Liebig, Edward O. (See Sivil, C. S., and Liebig.)

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electric switching device. 2,189,588; Feb. 6.

Lind, Francis T., assignor to H. K. Porter, Inc., Everett, Mass. Hand pruner or like tool. 2,189,211; Feb. 6.

Linde Air Products Company, The. (See Lewbers, Mys M., assignor.)

Lindsay, Henry, assignor to Henry Lindsay Limited, Bradford, England. Hook adapter for bolts. 2,189,011; Feb. 6.

Lindsay, Henry, Limited. (See Lindsay, Henry L., assignor.)

Lingal, Harry J., Wilkinsburg, and E. E. Arnold, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser bushing. 2,189,610; Feb. 6.

Linotype and Machinery Limited. (See Ellis, Herbert, assignor.)

Lion, Leopold, Berlin-Charlottenburg, Germany. Luminous advertising device. 2,189,506; Feb. 6.

Lion Manufacturing Corporation. (See Wahl, John C., assignor.)

Lippert, Henry E., Pittsburgh, Pa. Locomotive fuel conveyer. 2,189,074; Feb. 6.

Lippert, Henry E., Pittsburgh, Pa. Fuel distributing apparatus. 2,189,075; Feb. 6.

Liskin, Joseph, Brooklyn, assignor to Standard Corrugated Case Corporation, New York, N. Y. Folding shipping case. 2,189,076; Feb. 6.

Litchfield, Elmer, assignor to The Oakville Basket Company Limited, Oakville, Ontario, Canada. Branding machine. 2,189,637; Feb. 6.

Little, Edward, Saginaw, Mich. Apparatus for cooling and degasifying liquids. 2,189,146; Feb. 6.

Littlefield, Verne D., Beverly Hills, Calif., assignor to Armour and Company, Chicago, Ill. Preparing dried egg albumin. 2,189,380; Feb. 6.

Ljungkull, Rolf E., assignor to American Hoist and Derrick Company, St. Paul, Minn. Crane. 2,189,212; Feb. 6.

Lloyd, Lewis E. (See Hebbard, G. M., and Lloyd.)

Lockwood, Edwin H. (See Barnsteiner, A., and Lockwood.)

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,189,507; Feb. 6.

Logan Gear Company, The. (See McCarthy, Charles S., assignor.)

Lomax, Clarence E., Oak Park, and P. Bakker, Chicago, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,189,400; Feb. 6.

Long, George A., Boston, Mass. Valve mechanism. 2,189,427; Feb. 6.

Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft (Gampel und Basel). (See Lüscher, Emil, assignor.)

Lord, Geoffrey, and G. Reeves, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of organic compounds. 2,189,012; Feb. 6.

Lottes, Paul C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Furnace. 2,188,979; Feb. 6.

Lougovoy, Boris N., New York, N. Y., assignor to Ellis-Foster Company, Resins of the urea-aldehyde condensation type and their solutions. 2,189,737; Feb. 6.

Love, Edward H., Memphis, Tenn. Pitcher's rubber. 2,189,428; Feb. 6.

Lowe Paper Company. (See Denny, George D., assignor.)

Loweke, Aaron A., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure system. 2,189,013; Feb. 6.

Lowry, Herbert M. (See Leute, K. M., and Lowry.)

Lucia, Louis V., West Hartford, assignor to The Standard Meter Corporation, Hartford, Conn. Fastener. 2,189,495; Feb. 6.

Ludwig, Leon R. (See Slepian, J., and Ludwig.)

Ludwig, Robert. (See Wolpert, O., and Ludwig.)

Lummus Cotton Gin Company. (See Tigner, Clarence H., assignor.)

Lundquist, Ludwig E., Brooklyn, N. Y. Hand crutch. 2,189,429; Feb. 6.

Lüscher, Emil, assignor to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft (Gampel und Basel), Basel, Switzerland. Production of phosphatic fertilizers. 2,189,248; Feb. 6.

Luthe, Julius K., assignor to Perfex Corporation, Milwaukee, Wis. Control device. 2,189,653; Feb. 6.

Lyle, Frederick W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hot cathode vacuum tube. 2,189,638; Feb. 6.

Lyon, George A., Allenhurst, N. J. Wheel cover disk. 2,189,911; Feb. 6.

Lyon, George A., Allenhurst, N. J. Wheel cover disk. 2,189,743; Feb. 6.

Lyon, George A., Allenhurst, N. J. Wheel cover disk. 2,189,744; Feb. 6.

MacDonell, Alberta A., San Francisco, Calif. Animal feeding method. 2,189,213; Feb. 6.

Macfarlane, Robert F., Osterley, and W. E. Prescott, Peterborough, England. Icing of or the application of cream or the like to biscuits. 2,189,214; Feb. 6.

Mack, Wayne E., Martins Ferry, Ohio, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Tray. 2,189,611; Feb. 6.

Macksoud, Michel E., St. Albans, assignor to Macksoud Patents, Inc., New York, N. Y. Combination incandescent and ultraviolet lamp. 2,189,508; Feb. 6.

Macksoud Patents, Inc. (See Macksoud, Michel E., assignor.)

Mahannah, Everett A., and H. P. Bailey, Niagara Falls, assignors to International Paper Company, New York, N. Y. Apparatus for testing materials. 2,189,589; Feb. 6.

Main, Frank L., Birmingham, assignor to Kelsey, Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,189,014; Feb. 6.

Malm, Carl J., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Highly flexible sheeting and preparing the same. 2,189,590; Feb. 6.

Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Norwood, Ohio. Press operating motor and control mechanism. 2,189,215; Feb. 6.

Malter, Louis. (See Zworykin, V. K., and Malter.)

Mann, Charles S., Vancouver, British Columbia, Canada. Automatic closing dispensing device for collapsible tubes. 2,189,470; Feb. 6.

Mann, Harold C. (See Haskell, R. K., and Mann.)

Manseau, Alfred L., Wolcott, assignor to The Waterbury Clock Company, Waterbury, Conn. Differential time-reckoning device. 2,189,639; Feb. 6.

Mardis, Earle J., Chicago, Ill. Rope thimble. 2,189,671; Feb. 6.

Marshall, John. (See Johnston, Norman F., assignor.)

Marshall, John F. (See Crouse, C. D., and Marshall.)

Martin, Angus A., Dorchester, Mass. Latch. 2,189,672; Feb. 6.

Martin, Henry F., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Hoisting apparatus. 2,189,447; Feb. 6.

Martin, William T., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Machine for forming packages. 2,189,347; Feb. 6.

Martina, Joseph D., Newark, assignor to The Sun Tube Corporation, Hillside, N. J. Method of and apparatus for making collapsible containers. 2,188,912; Feb. 6.

Maschinenfabrik Augsburg-Nürnberg A. G. (See Garve, A., and Kurtz, assignors.)

Masteller, Malcolm L., Miami, Fla. Hydraulic brake. 2,188,913; Feb. 6.

Master Machine Mfg. Co. (See Oskow, Louis, assignor.)

Mathias, Robert J., Cheviot, Ohio. Door frame and plaster bead. 2,189,216; Feb. 6.

Mathisen, Anders, London, assignor to Graviner Manufacturing Company Limited, High Holborn, London, England. Fire preventing and extinguishing apparatus. 2,189,147; Feb. 6.

Maul, Michael, Berlin-Johannisthal, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany. Sheet severing mechanism. 2,189,042; Feb. 6.

Maurer, Harry A., Novelty, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Grinder. 2,189,015; Feb. 6.

Maurer, Howard F., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Automatic phonograph. 2,189,077; Feb. 6.

Maurer, William O., Cincinnati, Ohio, assignor to G. H. Hutaff, Jr., Wilmington, N. C. Fishhook. 2,189,496; Feb. 6.

Mayo, Edward L., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Heating and ventilating system. 2,189,348; Feb. 6.

McCarthy, Charles S., assignor to The Logan Gear Company, Toledo, Ohio. Mechanism control. 2,189,268; Feb. 6.

McClintock, Raymond. (See Acheson, M. A., and McClintock.)

McCluer, Wilbert B. (See Fenske, M. R., and McCluer.)

McClure, Robert A., Kokomo, Ind. Device for drying hair. 2,189,430; Feb. 6.

McCreery, Thomas, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Finishing composition. 2,189,530; Feb. 6.

McCrory, Edward F., Pawtucket, R. I. Liquid dispensing system. 2,189,448; Feb. 6.

McCulloch, John W. (See Randolph, D. W., and McCulloch.)

McDonald, Irvin F., Los Angeles, Calif. Doughnut making apparatus. 2,189,217; Feb. 6.

McGrath, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature regulating system. 2,189,381; Feb. 6.

McGrath, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,189,382; Feb. 6.

McGrew, John A., Albany, N. Y. Reversible propulsion unit. 2,189,471; Feb. 6.

McIntyre, Glenn H., Cleveland Heights, M. J. Bahnsen, Lakewood, and B. J. Sweo, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Opacifier. 2,189,148; Feb. 6.

McNamee, Owen A., Worcester, Mass. Labeling machine. 2,189,673; Feb. 6.

McShane, Phelan, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shunt trip overload protective system. 2,189,591; Feb. 6.

Mead, Walter T., Los Angeles, Calif. Automobile theft detector. 2,189,149; Feb. 6.

Meadows, James L. (See Bailey, J. R., and Meadows.)

Mechanite Metal Corporation. (See Reece, Herbert A., assignor.)

Melchior, Frederick C. (See Garson, T. N., and Melchior.)

Mentmore Manufacturing Co. Limited. (See Andrews, A. E., and Johnson, assignors.)

Meredith, Joseph H., Springfield, Mo. Screen and storm sash hanger. 2,189,240; Feb. 6.

Mergenthaler Linotype Company. (See Sundstrom H. T., and Stopple, assignors.)

Metallgesselschaft A. G. (See Bierbrauer, Ernest, assignor.)

Metzger, Henry L. (See Evans, B., and Metzger.)

Meuser, Ludwig, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Rubber accelerator compositions. 2,188,980; Feb. 6.

Mezger, Robert, and T. Payer, Stuttgart, Germany. Purification of gas. 2,189,250; Feb. 6.

Michaëlis, Karl, The Hague, Netherlands. Bending of wood. 2,189,078; Feb. 6.

Michaels, Maurice A. (See Donle, H. P., and Michaels.)

Midland Steel Products Company, The. (See Riemenschneider, Ernest, assignor.)

Midland Steel Products Company, The. (See Wallace, Robert H., assignor.)

Miescher, Karl, Riehen, and A. Wettstein and W. Fischer, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Carbonyl compounds of sterolds and the manufacture thereof. 2,188,914; Feb. 6.

Mikina, Stanley J. (See Hanna, C. R., and Mikina.)

Miller, Bert C., Inc. (See Miller, Bert C., assignor.)

Miller, Bert C., Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y. Film smoother. 2,189,738; Feb. 6.

Miller, Carl W., Beaver Falls, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 2,189,739; Feb. 6.

Miller, Edward J., Mount Clements, Mich. Awning strip. 2,189,567; Feb. 6.

Miller, Erwin E., Fullerton, Calif. Mud pump piston. 2,189,349; Feb. 6.

Miller, Herbert G., Lakewood, Ohio. Optical apparatus. 2,189,568; Feb. 6.

Miller, Hugh, and J. L. Farrell, Whittenburg, Tex.; M. B. Farrell, executrix of said J. L. Farrell, deceased, assignors to Phillips Petroleum Company. Treating hydrocarbons. 2,189,016; Feb. 6.

Miller, Paul G. (See Russell, M. W., and Miller.)

Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Printing transferring machine. 2,189,043; Feb. 6.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Vending machine. 2,189,740; Feb. 6.

Mills Novelty Company. (See Mills, Bert E., assignor.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minton, John P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismograph blasting cap. 2,189,741; Feb. 6.

Mishcon, Lester. (See Agulnek, H., and Mishcon.)

Mishcon, Samuel. (See Agulnek, Harry, assignor.)

Mishelevich, Benjamin, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,189,178; Feb. 6.

Mitchell, Orville, Dallas, Tex. Pulley assembly. 2,188,953; Feb. 6.

Mittag, Winfred G., Ridgewood, N. J. Inking pad. 2,189,551; Feb. 6.

Mizzy, Dan D., and D. L. Durst, Sacramento, Calif. Inlay heater and ring. 2,188,915; Feb. 6.

Modine Manufacturing Company. (See Boerger, Martin G., assignor.)

Moe, William W., Bridgeport, Conn., assignor to General Electric Company. Electric valve circuit. 2,189,569; Feb. 6.

Monsanto Chemical Company. (See Conover, Courtney, assignor.)

Monsanto Chemical Company. (See Fox, K. R., and Hatfield, assignors.)

Monsanto Chemical Company. (See Hockenyos, George L., assignor.)

Montague, Charles E., Syracuse, N. Y. Support for boots or the like. 2,189,366; Feb. 6.

Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,189,289; Feb. 6.

Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Making impervious bags. 2,189,431; Feb. 6.

Moore, Henry T., and F. F. W. Perrott, Greenfield, Mass. Stepladder. 2,189,432; Feb. 6.

Moorhead, Albert E., San Francisco, Calif. Centrifugal casting apparatus. 2,189,290; Feb. 6.

Morris, Harry F., Oakland, Calif. Animal cage. 2,189,449; Feb. 6.

Morris, Jolly L., Houston, assignor of three-fourths to F. W. Finley, Pittsburgh, Pa. Pipe coupling. 2,189,350; Feb. 6.

Morton, George A., Audubon, N. J., assignor to Radio Corporation of America. Electro-optical device. 2,189,321; Feb. 6.

Morton, George A., Haddon Heights, N. J., assignor to Radio Corporation of America. Electro-optical device. 2,189,319; Feb. 6.

Morton, George A., Haddon Heights, N. J., assignor to Radio Corporation of America. Electro-optical device. 2,189,320; Feb. 6.

Moskowitz, Charles J., Wallington, and R. Emptage, Palisades Park, N. J., assignor to United States Rubber Company, New York, N. Y. Label. 2,188,981; Feb. 6.

Mueller, Charles W., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company. Blind stitch sewing machine. 2,189,433; Feb. 6.

Mueller, Wesley J., West Allis, and I. R. Smith, assignors to Sterling Wheelbarrow Company, Milwaukee, Wis. Cart. 2,189,079; Feb. 6.

Mulch, Hans Wetzlar-Niedergirmes, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Projection apparatus. 2,188,954; Feb. 6.

Müller, Paul. (See Steinbauer, W., Kother, and Müller.)

Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Making container parts. 2,188,916; Feb. 6.

Murray Corporation of America, The. (See Avery, C. W., and Habertsump, assignors.)

Muth, Friedrich, Leverkusen, Germany, assignor to General Aniline & Film Corporation. Ortho-hydroxyearboxylic acids of the diphenylene series. 2,189,367; Feb. 6.

Myers, John W., Roanoke, Va., assignor by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker mechanism. 2,189,401; Feb. 6.

Nagel, Theodore, Brooklyn, N. Y. Decomposing oil to olefins. 2,188,982; Feb. 6.

Nassau Smelting and Refining Company. (See Bell, Charles H., assignor.)

National Cash Register Company, The. (See Kirshner, Arthur C., assignor.)

Nattson, Jenny K., Arlington, Mass. Apparatus for cooling bakery products. 2,188,955; Feb. 6.

Neptune Meter Company. (See Bugg, Kenly C., assignor.)

Neumeister, Carl L., Oak Park, assignor to The Celotex Corporation, Chicago, Ill. Tiling. 2,189,218; Feb. 6.

New Projection Corporation. (See Eitzen, August D., assignor.)

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

Newton, Chambers & Company Limited. (See Lewis, Oswald F., assignor.)

Newton, Thomas C., Brookline, Mass. Lawn mower. 2,189,434; Feb. 6.

Niagara Machine & Tool Works. (See Harwood, Reymour E., assignor.)

Niemiec, Harriette E., Miami, Fla. Massage device. 2,189,116; Feb. 6.

Noonan, Albert S., Utica, N. Y. Automobile wheel wedge. 2,189,323; Feb. 6.

Norin, Allan A., and A. M. Olson, Chicago, Ill. Hydraulic press. 2,188,956; Feb. 6.

Norton Company. (See Kistler, S. S., and Barnes, assignors.)

Norton Company. (See Van der Pyl, Edward, assignor.)

Novak, Joseph E., Berwyn, Ill. Conveyer canvas. 2,189,080; Feb. 6.

Nowosielski, Edward B., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Spark plug. 2,189,435; Feb. 6.

Oakville Basket Company Limited, The. (See Litchfield, Elmer, assignor.)

Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener. 2,189,291; Feb. 6.

Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener. 2,189,292; Feb. 6.

Olson, Albert M. (See Norin, A. A., and Olson.)

Olson, Elmer, assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,189,219; Feb. 6.

Omon, Gene L. (See Tranaas, E. L., and Omon.)

Opticolor Aktiengesellschaft. (See Räntsch, Kurt, assignor.)

Opticolor Aktiengesellschaft. (See Räntsch, K., and Retzlaff, assignors.)

Orr, Claude L. (See Stertzbach, H. W., and Orr.)

Osborne, William B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Planetary gear drive. 2,189,220; Feb. 6.
Oskow, Louis, assignor to Master Machine Mfg. Co., Inc., New York, N. Y. Labeling machine. 2,189,296; Feb. 6.
Oster Manufacturing Company. (See Maurer, Harry A., assignor.)
Ostromislensky, Iwan, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Nonshattering glass. 2,189,293; Feb. 6.
Otken, Edwin J., assignor to Good Humor Corporation of America, Brooklyn, N. Y. Centrifugal pump. 2,189,081; Feb. 6.
Overton, S. E., Company. (See King, Wyatt M., assignor.)
Overton, W. C. (See Smith, John T., assignor.)
Owens-Corning Fiberglas Corporation. (See Slayter, Games, assignor.)
Owens-Illinois Glass Company. (See Hohl, John, assignor.)
Owens, Orville R., Chicago, Ill. Bending machine. 2,189,150; Feb. 6.
Package Machinery Company. (See Smith, E. L. and Wetsel, assignors.)
Padowicz, Henry N., Bloomfield, assignor to Sirian Wire and Contact Company, Newark, N. J. Hard metal alloys and making the same. 2,188,983; Feb. 6.
Paine, Willard B., and A. A. Agueeff, assignors to Bendix Products Corporation, South Bend, Ind. Automotive equipment. 2,189,221; Feb. 6.
Pakala, William E. (See Slepian, J., and Pakala.)
Pakala, William E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,189,612; Feb. 6.
Paris, Robert E., assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism for tabulating machines. 2,189,044; Feb. 6.
Park, Ralph S., Queens Village, assignor to General Chemical Company, New York, N. Y. Making sodium aluminum sulphate. 2,189,179; Feb. 6.
Parker, Arthur L., Cleveland, Ohio. Fuel distributing unit. 2,189,674; Feb. 6.
Parker, Arthur L., Cleveland, Ohio. Fuel distributing device. 2,189,675; Feb. 6.
Parker, Louis W., Astoria, assignor, by mesne assignments, to C. S. I. Development Corporation, New York, N. Y. Intercommunicating system and apparatus therefor. 2,189,269; Feb. 6.
Pasma, Douwe, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube oscillator. 2,189,402; Feb. 6.
Pateras Pescara, Raul, Paris, France. Free piston machine. 2,189,497; Feb. 6.
Patex Societe Anonyme. (See Kreidel, Hans, assignor.)
Pauckner, Gustav. (See Hamprecht, G., and Pauckner.)
Paulsen, Guy D., Longmeadow, Mass. Golf practicing apparatus. 2,189,613; Feb. 6.
Payer, Theo. (See Mezger, R., and Payer.)
Peninsular Metal Products Corporation. (See Goin, George R., assignor.)
Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ozone control for precipitators. 2,189,614; Feb. 6.
Pennsylvania Petroleum Research Corporation. (See Fenske, M. R., and McCluer, assignors.)
People in the Territory of the United States, Dedicated to the free use of the. (See Watson, Paul D., assignor.)
People of the United States of America, Dedicated to the free use of the. (See Bennett, Charles A., assignor.)
People of the United States of America, Dedicated to the free use of the. (See King, J. E., and Powell, assignors.)
People of the United States of America, Dedicated to the free use of the. (See Schechter, M. S., and Haller.)
Perera, Bamunuarchige V., Ipoh, Perak, Federated Malay States. Making relief maps. 2,189,592; Feb. 6.
Perfex Corporation. (See Luthe, Julius K., assignor.)
Perrott, Frank F. W. (See Moore, H. T., and Perrott.)
Perry, Walter M. (See Jones, G. L., Perry, and De Lanty.)
Peters, Edward F. (See Caldwell, W. B., and Peters.)
Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Rotary can washer. 2,189,451; Feb. 6.
Petersen Oven Company, The. (See Cook, John V., assignor.)
Peterson, Edward G., Rockford, Ill. Buffing device. 2,189,472; Feb. 6.
Peterson, Merle. (See Edwin, E., and Peterson.)
Pettler, Eugene H., Beaver, Pa. Core structure for clay extruding dies. 2,188,984; Feb. 6.
Pfaudler Co., The. (See Schanck, William D., assignor.)
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Packing. 2,188,957; Feb. 6.
Pfieger, George T., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Variable speed transmission device. 2,189,294; Feb. 6.
Pfieger, George T., Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Variable speed drive system. 2,189,295; Feb. 6.
Pfohl, Lester J., Syracuse, N. Y. Electric outlet connection. 2,189,676; Feb. 6.
Philco Radio and Television Corporation. (See Pressley, Jackson H., assignor.)
Philco Radio and Television Corporation. (See Thomas, Harry E., assignor.)
Phillips Petroleum Company. (See Gilbert, Lloyd A., assignor.)
Phillips Petroleum Company. (See Miller, H., and Farrell, assignors.)
Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)
Phillips, Ross M. G., West Haven, Conn. Hydraulic brake system. 2,189,403; Feb. 6.
Photoelectric Business Machines, Inc. (See Gould, Merle E., assignor.)
Pilling, Ada G., administratrix. (See Pilling, John.)
Pilling, John, deceased, Accrington; A. G. Pilling, Dartford, administratrix, assignor to Howard and Bullough, Limited, Lancashire, England. Roller weight arrangement for drawing and spinning frames. 2,189,308; Feb. 6.
Pineo, Orrin W., Milo, Maine, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Photometer construction. 2,189,270; Feb. 6.
Platt, Samuel, San Francisco, Calif. Cardboard box construction. 2,189,151; Feb. 6.
Plummer, Sam J., Salix, Pa. Hat hanger. 2,189,677; Feb. 6.
Pneumatic Scale Corporation. (See Robinson, George A., assignor.)
Poch, Alexander A., Grand Rapids, Mich. Sprinkler head shut-off device. 2,189,523; Feb. 6.
Pohl, Ernest F. (See Deems, Donald A., assignor.)
Polymerization Process Corporation, The. (See Ruthruff, Robert F., assignor.)
Poor & Company. (See Lansing, Horace L., assignor.)
Poor, Harvey W., Lexington, Ky. Steam and water leakage revealing structure for steam boilers. 2,189,473; Feb. 6.
Poorman, John E., Philadelphia, Pa. Tool post. 2,188,917; Feb. 6.
Pope, Arthur W., Jr., assignor to Waukesha Motor Company, Waukesha, Wis. Injection engine. 2,189,082; Feb. 6.
Porcelain Strip Mills, Inc. (See Crouse, C. D., and Marshall, assignors.)
Porter, H. K., Inc. (See Lind, Francis T., assignor.)
Potash Company of America. (See Weinig, Arthur J., assignor.)
Potter, Gordon W., Dayton, Ohio. Plug connector. 2,189,251; Feb. 6.
Powell, Alan R., London, assignor to Johnson, Matthey & Company, Limited, London County, England. Manufacture and production of hard solders. 2,189,640; Feb. 6.
Powell, Vernon R. (See King, J. E., and Powell.)
Power Patents Company. (See Brandt, David G., assignor.)
Prazak, Emil. (See Kierner, Anton, assignor.)
Prazak, Emil, Jr., administrator. (See Prazak, Emil.)
Prazak, Emil, deceased; E. Prazak, Jr., administrator, Elizabeth, N. J. Label sewing machine. 2,189,045; Feb. 6.
Prendergast, Clarence T. (See Gillis, R., and Prendergast.)
Prentice, Earle E., Palo Alto, Calif. Self-aligning bearing. 2,189,117; Feb. 6.
Prescott, William E. (See Macfarlane, R. F., and Prescott.)
Pressed Steel Car Company. (See Anderson, John P., assignor.)
Pressed Steel Car Company. (See Miller, Carl W., assignor.)
Pressley, Jackson H., Abington, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic position-selecting device. 2,188,918; Feb. 6.
Process Management Company. (See Keith, Percival C., Jr., assignor.)
Procunier, Harry G., Chicago, Ill. Drill press for tapping attachment. 2,189,152; Feb. 6.
Proffitt, Max J., Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of Commerce and his successors. Application of reagents in counter-current extraction. 2,188,919; Feb. 6.
Protectoseal Company of America, Inc. (See Anschicks, Rudolph J., assignor.)
Pump Engineering Service Corporation. (See Johnson, James P., assignor.)
Püschner, Josef. (See Püschner, Julius and J.)
Püschner, Julius and J., near Bodenbach, Czechoslovakia, assignors, by mesne assignments, of one-half to L. Bauer, and one-half to F. Dupont-Munter, New York, N. Y. Device for producing separable fasteners. 2,188,985; Feb. 6.
Pützer, Alfred, Berlin-Spandau, assignor to Siemens & Halske Aktiengesellschaft Siemensstadt, near Berlin, Germany. Gas or vapor filled discharge tube. 2,189,593; Feb. 6.
Pyridium Corporation. (See Renshaw, R. R., and Dreisbach, assignors.)
Radio Corporation of America. (See Anderson, Leslie J., assignor.)

Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Carlson, W. L., and Landon, assignors.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Donal, John S., Jr., assignor.)
Radio Corporation of America. (See Fischler, Edwin L., assignor.)
Radio Corporation of America. (See Flory, Leslie E., assignor.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Hershberger, William D., assignor.)
Radio Corporation of America. (See Hunt, Seymour, assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Morton, George A., assignor.)
Radio Corporation of America. (See Pasma, Douwe, assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Turner, Alfred H., assignor.)
Radio Corporation of America. (See van Loon, Carel J., assignor.)
Radio Corporation of America. (See Zworykin, V. K., and Malter, assignors.)
Radio Patents Corp. (See Hollmann, Hans E., assignor.)
Ralston, Anderson W., and R. J. Vander Wal, assignors to Armour and Company, Chicago, Ill. Facilitating Friedel-crafts reactions. 2,189,383; Feb. 6.
Rampacher, Fritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Roller bearing arrangement. 2,189,615; Feb. 6.
Randolph, Donald W., and J. W. McCulloch, Flint, assignors to General Motors Corporation, Detroit, Mich. Magneto rotor construction. 2,189,524; Feb. 6.
Räntsch, Kurt, Berlin-Steglitz, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland. Optical system. 2,189,298; Feb. 6.
Räntsch, Kurt, Berlin-Steglitz, and H. Retzlaff, Schonow, near Bernau, Germany, assignors to Opticolor Aktiengesellschaft, Glarus, Switzerland. Diaphragm for preventing dominants on colored pictures. 2,189,297; Feb. 6.
Raphael, Harold A., Bellflower, Calif. Weight recorder 2,189,552; Feb. 6.
Rapp, Julian D., Turlock, Calif. Apron control for carrying scrapers. 2,189,222; Feb. 6.
Ratheam, Russell C., Chicago, Ill. Bookmarker. 2,189,180; Feb. 6.
Rauser, Henry. (See Dripps, H. E., and Rauser.)
Reda Pump Company. (See Arutunoff, Armais, assignor.)
Redding, Harry B., Cleveland, assignor of one-half to J. S. Van Nostrand, Columbus, and one-half to H. Bodin, Cleveland, Ohio. Control valve. 2,189,324; Feb. 6.
Reece, Herbert A., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Control apparatus for operating furnaces. 2,188,920; Feb. 6.
Reed Roller Bit Company. (See Book, H. B., and Hanlin, assignors.)
Reed Roller Bit Company. (See Carleton, Michael D., assignor.)
Reed Roller Bit Company. (See Childs, William L., assignor.)
Reed Roller Bit Company. (See Harrington, George G., assignor.)
Reed Roller Bit Company. (See Jones, Kenneth E., assignor.)
Reed Roller Bit Company. (See Squires, Howard L., assignor.)
Reeves, George. (See Lord, G., and Reeves.)
Reggio, Ferdinando C., Buffalo, N. Y. Blower. 2,189,252; Feb. 6.
Reiche, Wilhelm, assignor to Voigtländer & Sohn Aktiengesellschaft, Brunswick, Germany. Folding camera. 2,189,223; Feb. 6.
Renkin, William O., New York, N. Y., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Disposal process for the treatment of weak ammoniacal waste liquors from coal distillation plants. 2,189,083; Feb. 6.
Renshaw, Raemer R., New York, and P. F. Dreisbach, Yonkers, assignors to Pyridium Corporation, Nepera Park, N. Y. Anesthetic of the pyridine series and producing the same. 2,189,404; Feb. 6.
Republic Steel Corporation. (See Black, W. A., and Darner, assignors.)
Republic Steel Corporation. (See Sower, George W., assignor.)
Research Corporation. (See Andrews, Donald H., assignor.)
Retzlaff, Heinz. (See Räntsch, K., and Retzlaff.)
Reyburn, John R., Fairfield, Conn., assignor to American Chain & Cable Company, Inc. Buckle. 2,189,118; Feb. 6.
Reynolds Metals Company. (See Cage, James, assignor.)
Rich, Walter G., Whittier, Calif. Patient-operable hospital bed. 2,189,325; Feb. 6.
Richard, François, Cleveland, Ohio. Making refractories. 2,188,921; Feb. 6.
Richards Chemical Works, Inc. (See Kraus, Armin J., assignor.)
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richardson, Lawrence F., Stanmore, and V. J. Faulkner, Harrow, England. Sanitary hygienic device for telephone instruments. 2,188,958; Feb. 6.
Rief, Joseph W., Montreal, Quebec, Canada, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Nut lock. 2,189,654; Feb. 6.
Riemenschneider, Ernest, Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Arc welding system. 2,189,326; Feb. 6.
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery construction. 2,189,327; Feb. 6.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch. 2,189,405; Feb. 6.
Rinn, Irwin C., assignor to Irwin C. Rinn & Company, Chicago, Ill. Film pack, especially for dental films and the like. 2,189,299; Feb. 6.
Rinn, Irwin C., & Company. (See Rinn, Irwin C., assignor.)
Rittenhouse, A. E., Co., The. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, Lloyd, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 2,189,181; Feb. 6.
Rivat, Georges, Lyon, France, assignor to H. Dreyfus, London, England. Treatment of textile and other materials. 2,189,017; Feb. 6.
Röber, Rolf. (See Dohse, H., and Röber.)
Roberts, Glyn P., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,189,224; Feb. 6.
Roberts, Ralph S., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,189,406; Feb. 6.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tuning indicator circuit. 2,189,300; Feb. 6.
Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Filling apparatus. 2,189,018; Feb. 6.
Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connector. 2,188,922; Feb. 6.
Robinson, Vera E., Chicago, Ill. Tampon. 2,188,923; Feb. 6.
Robinson, William E., Taft, Calif. Cracker or wafer holder. 2,189,450; Feb. 6.
Rockwood, Earl L., assignor to The De Vilbiss Company, Toledo, Ohio. Method and apparatus for drying hair. 2,188,924; Feb. 6.
Rodriguez, Vincent L., Los Angeles, Calif. Nut cracking, grading, and kernel separating machine. 2,189,678; Feb. 6.
Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)
Ronay, Bela, Annapolis, Md. Welding joint and chill ring therefor. 2,188,925; Feb. 6.
Rosen, Harry, Cleveland, Ohio. Extension studio couch. 2,189,328; Feb. 6.
Rosenfield, Louis, Brooklyn, N. Y. Collapsible container. 2,189,436; Feb. 6.
Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,189,019; Feb. 6.
Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,189,020; Feb. 6.
Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Forehearth for and method of controlling the temperature and condition of molten glass. 2,189,271; Feb. 6.
Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)
Rueppel, Fred R., East Detroit, assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Spare wheel and tire cover assembly. 2,189,407; Feb. 6.
Ruppert, Henry, Woodside, assignor to Leedall Products, Inc., New York, N. Y. Perforating machine. 2,189,742; Feb. 6.
Russell, Marvin W., and P. G. Miller, Royalty, Tex. Sand and gas trap. 2,189,272; Feb. 6.
Russell, Robert C., Dallas, Tex., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Automatic clutch operating mechanism. 2,189,225; Feb. 6.
Russell, Wilson A., Hartford, Conn. Blade sharpener. 2,189,474; Feb. 6.
Ruthruff, Robert F., Nutley, assignor by mesne assignments to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,189,655; Feb. 6.
Ryan, William J., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,189,226; Feb. 6.
Ryerson, Creighton W., Jackson, Mich., assignor to Ryerson & Haynes Inc. Tire cover. 2,189,182; Feb. 6.

Ryerson & Haynes Inc. (See Ryerson, Creighton W., assignor.)
Sabine Steel & Construction Corporation. (See Britten, J. F., King, and Baumbard, assignors.)
Sachs, Joseph M. (See Chard, George F., assignor.)
St. George, Alfred J., Millbury, Mass. Fishing device. 2,189,478; Feb. 6.
Samcoe Holding Corporation. (See Cohn, S., and Walter, assignors.)
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Base support. 2,189,369; Feb. 6.
Sandell, Harry N., Boston, Mass. Pavement construction. 2,189,437; Feb. 6.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Detachable fixture support and bracket. 2,189,153; Feb. 6.
Sanford, Roy S., New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,189,679; Feb. 6.
Sanford, Roy S., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,189,680; Feb. 6.
Sanford, Roy S., and W. J. Andres, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shift mechanism. 2,189,681; Feb. 6.
Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Feed mechanism for sewing machines and the like. 2,189,656; Feb. 6.
Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Feed mechanism for sewing machines and the like. 2,189,657; Feb. 6.
Saur, Karl, Berlin-Reinickendorf, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Regulating apparatus. 2,189,475; Feb. 6.
Savage, Joseph P., Columbus, Nebr. Locomotive journal oiler. 2,188,926; Feb. 6.
Sawyer, Charles B. (See Kjelgren, B. R. F., and Sawyer.)
Schaer, Eugene, Fort Frances, Ontario, Canada. Pipe cleaning element. 2,188,959; Feb. 6.
Schanck, William D., assignor to The Pfaudler Co., Rochester, N. Y. Relief valve. 2,189,084; Feb. 6.
Schechter, Milton S., and H. L. J. Haller, Washington, D. C., dedicated to the free use of the People of the United States of America. Insecticide. 2,189,570; Feb. 6.
Schering Corporation. (See Butenandt, Adolf, assignor.)
Schlesinger, Edgar E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car end structure. 2,189,384; Feb. 6.
Schlichenmeier, Hans, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline & Film Corporation. Acid wool dyestuffs of the anthraquinone series. 2,189,509; Feb. 6.
Schluter, John J., San Francisco, Calif., assignor to American Telephone and Telegraph Company. Signal measuring system. 2,189,119; Feb. 6.
Schmalz, John, Chicago, Ill. Toy parachute. 2,189,085; Feb. 6.
Schmutz, Julius, Louisville, Ky. Printing plate and attaching means. 2,189,682; Feb. 6.
Schnabel, Charles F. (See Smith, L. H., and Schnabel.)
Schoch, Fred C., Oak Park, Ill. Door latch. 2,189,227; Feb. 6.
Schoenfeld, Frank H., Cleveland Heights, Ohio. Filter device for control valves. 2,189,594; Feb. 6.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television transmission. 2,189,351; Feb. 6.
Schubring, Albert A., Sunnyside, N. Y. Drain cleaner. 2,188,960; Feb. 6.
Schultz, Frederick E., Decatur, Ill. Tire tool. 2,189,683; Feb. 6.
Schultze, Elmer, Tacoma, Wash. Apparatus for holding garments while being stretched. 2,189,228; Feb. 6.
Schuman, August O., Palisade, Nebr. Wheel scraper. 2,189,253; Feb. 6.
Schury, John, Detroit, Mich. Air conditioning apparatus. 2,189,021; Feb. 6.
Schut, Abraham, Chicago, Ill. Airplane. 2,189,553; Feb. 6.
Schwartz, Isidore, New York, N. Y. Sweater drier and stretcher. 2,188,986; Feb. 6.
Schartzwalder, Karl. (See Fessler, A. H., Schartzwalder, and Ehlers.)
Schweiss, Joseph, assignor to Carter Carubretor Corporation, St. Louis, Mo. Carburetor accelerating pump. 2,189,554; Feb. 6.
Sciavolino, Joseph G., Hoboken, N. J. Combination smoking pipe, cigarette holder, and saliva trap. 2,189,616; Feb. 6.
Scofield, Lester W., Pound Ridge, N. Y., assignor to F. Cataldo, Trinity Pass, New Canaan, Conn. Lawn trimming device. 2,188,961; Feb. 6.
Scott Motors (Saltaire) Limited. (See Cull, William, assignor.)
Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,189,717; Feb. 6.
Seagren, Martin J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,189,086; Feb. 6.
Sealol Company. (See Stevenson, Robert, assignor.)
Sears, Roebuck and Co. (See Del Principe, Emil N., assignor.)
Selfried, Theodore, Nashville, Tenn. Mechanically operated tooth brush. 2,189,408; Feb. 6.
Sendsimir, Tadeusz, Katowice, Poland, assignor to The American Rolling Mill Company, Middletown, Ohio. Tension rolling means. 2,189,329; Feb. 6.
Sengbusch, Gustav J., Milwaukee, Wis. Inkstand. 2,188,962; Feb. 6.
Seybold, Hermann G., New York, N. Y., assignor to Bandcan Corporation. Container. 2,188,963; Feb. 6.
Seyforth, Rome C., assignor to The Shelby Metal Products Company, Shelby, Ohio. Atomizer. 2,189,229; Feb. 6.
Shelby Metal Products Company, The. (See Seyforth, Rome C., assignor.)
Sheldon, Howard W., Clarksboro, and F. C. Fahnestock, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Centrifugal contacting apparatus. 2,189,230; Feb. 6.
Shell Development Company. (See Kôn, S., and Tournadre, assignors.)
Sherman, Arthur G. S., Detroit, Mich. Trailer draft mechanism. 2,189,183; Feb. 6.
Shiranezawa, Kosuke, Yonezawa-Shi, Japan. Woven fabrics. 2,189,370; Feb. 6.
Shomaker, Wesley P., Richmond, Va. Envelope. 2,189,273; Feb. 6.
Sibley, Barrett E., assignor to Continental Oil Company, Ponca City, Okla. Vapor lock eliminator. 2,189,658; Feb. 6.
Sibley, Leon T., Rutherford, N. J., assignor to Alfol Insulation Company, Inc. Laminated sheet material. 2,189,409; Feb. 6.
Siebert, Ernst, and W. Kafka, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method and device for cooling metallic dry rectifier elements. 2,189,617; Feb. 6.
Siegenheim, Max, Zittau, assignor to the firm M. Rudolf Jahr, Gera, Germany. Process and device for the determination and regulation of the moisture content of lengths of material. 2,189,352; Feb. 6.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Saur, Karl, assignor.)
Siemens-Halske Aktiengesellschaft. (See Krenzien, Otto, assignor.)
Siemens & Halske Aktiengesellschaft. (See Pützer, Alfred, assignor.)
Siggelko, Edgar S., Rochester, N. Y. Pencil sharpening machine. 2,189,476; Feb. 6.
Simons, Frank A., assignor to The Dow Chemical Company, Midland, Mich. High temperature terminal connector for radiant heater elements. 2,189,231; Feb. 6.
Simpson, Robert, Newell, Pa. Air-brake testing apparatus. 2,189,184; Feb. 6.
Sinhinger, Dwight V., assignor to Johnson Laboratories, Inc., Chicago, Ill. Image-frequency suppression system. 2,188,964; Feb. 6.
Sirian Wire and Contact Company. (See Padowicz, Henry N., assignor.)
Sisson, Vinton E., Winnetka, assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Floor rack for regrigerator cars. 2,189,385; Feb. 6.
Sivil, Cecil S., Elizabeth, and E. O. Liebeg, Arlington, assignors to Baker & Company, Inc., Newark, N. J. Alloys. 2,189,571; Feb. 6.
Slayter, Games, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Electrically heating molten glass. 2,188,927; Feb. 6.
Sleeth, Mont, Cambridge Springs, Pa. Card game. 2,189,477; Feb. 6.
Slepian, Joseph, Pittsburgh, and L. R. Ludwig, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric tube. 2,189,618; Feb. 6.
Slepian, Joseph, Pittsburgh, and W. E. Pakala, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magnetic means for stirring mercury in an ignitron. 2,189,619; Feb. 6.
Slezak, Vincent F., Chicago, Ill. Coin-controlled astrological machine. 2,189,641; Feb. 6.
Smidth, F. L., & Co. (See Ahlmann, Nikolai, assignor.)
Smith, Charles H., Portland, Oreg. Automatic flow control means. 2,189,330; Feb. 6.
Smith, Clarence C., Bayside, Long Island, and R. M. Johnson, Flushing, assignors to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,189,046; Feb. 6.
Smith, Edward F., Chicago, Ill., assignor to Haynes Stellite Company. Welding process. 2,189,595; Feb. 6.
Smith, Elmer L., Longmeadow, and C. Wetsel, assignors to Package Machinery Company, Springfield, Mass. Continuous motion wrapping machine. 2,189,087; Feb. 6.
Smith, Frank B. (See Bass, S. L., Kauppi, and Smith.)
Smith, Frank B. (See Kauppi, T. A., Bacon, and Smith.)

Smith, Gilbert H., Woodbury, and C. B. Van Winter, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting initiator. 2,189,301; Feb. 6.
Smith, Irving R. (See Mueller, W. J., and Smith.)
Smith, John T., Clovis, assignor of one-half to W. C. Overton, Fort Sumner, N. Mex. Display rack. 2,189,254; Feb. 6.
Smith, Lawrence G., and J. F. Green, assignors to The Green Co. Inc., Oshkosh, Wis. Feeder or injector. 2,189,255; Feb. 6.
Smith, Lynwood H., Kansas City, Mo., and C. F. Schnabel, Kansas City, Kans., assignors to American Dairies Incorporated, Kansas City, Mo. Fodder and making same. 2,189,438; Feb. 6.
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Velocipede construction. 2,189,232; Feb. 6.
Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares, Etablissements Claude-Paz et Silva. (See Gomonet, Edouard, assignor.)
Society of Chemical Industry in Basle. (See Kern, Walter, assignor.)
Society of Chemical Industry in Basle. (See Miescher, K., Wettstein, and Fischer, assignors.)
Socony-Vacuum Oil Company. (See Evers, William L., assignor.)
Socony-Vacuum Oil Company. (See Minton, John P., assignor.)
Socony-Vacuum Oil Company. (See Sheldon, H. W., and Fahnestock, assignors.)
Socony-Vacuum Oil Company. (See Wanner, Walter E., assignor.)
Sower, George W., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Method and apparatus for use in welding. 2,189,331; Feb. 6.
Spang, Annabel M., Cleveland, Ohio. Maternity garment. 2,189,332; Feb. 6.
Spengler, Jules, Mulhouse-Bourtzwiller (Haut-Rhin), France. Metal cartridge for shotguns. 2,189,498; Feb. 6.
Sperry Gyroscope Company. (See Zand, Stephen J., assignor.)
Sperry Products, Inc. (See Jones, G. L., Perry, and De Lanty, assignors.)
Sprinkel, Henry G., Harrisonburg, Va. Smoke cooling device. 2,189,684; Feb. 6.
Square D Company. (See Jackson, John G., assignor.)
Squires, Howard L., assignor to Reed Roller Bit Company, Houston, Tex. Reamer. 2,189,035; Feb. 6.
Stabbert, Edward, Tacoma, Wash. Plasterer's float and trowel. 2,189,555; Feb. 6.
Stachelrodt, Fred W., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Abrading tool. 2,189,302; Feb. 6.
Stagl, Rodolphe, Brussels, Belgium. Drawing device. 2,189,371; Feb. 6.
Stahl, Hugh R., Wood, S. Dak. Adjustable chair or the like. 2,189,256; Feb. 6.
Standard Corrugated Case Corporation. (See Liskin, Joseph, assignor.)
Standard Meter Corporation, The. (See Lucia, Louis V., assignor.)
Standard Oil Company. (See Carpenter, Morris T., assignor.)
Standard Products Company, The. (See Husted, Harry A., assignor.)
Standard Railway Equipment Company. (See Tangerman, William J., assignor.)
Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)
Standard Railway Equipment Manufacturing Company. (See Schlesinger, Edgar E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Sisson, Vinton E., assignor.)
Standard Stoker Company, The. (See Myers, John W., assignor.)
Standard Stoker Company, The. (See Surdy, Charles J., assignor.)
Stangebye, Olaf K., Oslo, Norway. Combination dresser mounting. 2,189,372; Feb. 6.
Stator Corporation. (See Whitney, Lyman F., assignor.)
Steel, George D., Casper, Wyo. Safety cathead. 2,189,373; Feb. 6.
Steinbauer, Wolfgang, Berlin, H. Kother, Berlin-Siemensstadt, and P. Müller, Berlin-Schoneberg, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power-transmission system for electrically driven trains. 2,189,353; Feb. 6.
Steiner, Gustav, Ludwigshafen, assignor to W. Dütsmann, Neustadt-on-the-Haardt, Germany. Gas generator. 2,189,022; Feb. 6.
Sterling Wheelbarrow Company. (See Mueller, W. J., and Smith, assignors.)
Stertzbach, Harry W., and C. L. Orr, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck and braking means therefor. 2,189,642; Feb. 6.
Stevens, Charles W. (See Stolle, John W., assignor.)
Stevenson, Robert, West Barrington, R. I., assignor to Sealol Company. Fluid seal. 2,189,685; Feb. 6.
Stevenson, Robert, West Barrington, R. I., assignor to Sealol Company. Combination fluid seal and bearing. 2,189,686; Feb. 6.
Stewart, Alexander P., Grosse Pointe Village, Mich. Templet. 2,189,154; Feb. 6.
Stewart, William G., Riverside, Ontario, Canada. Computing device. 2,189,333; Feb. 6.
Steyr-Daimler-Puch A. G. (See Hacker, Oskar, assignor.)
Stimpson, Walter F., and M. J. Lachance, Louisville, Ky.; said Lachance assignor to said Stimpson. Weighing scale. 2,188,965; Feb. 6.
Stoddard, Ralph N., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Synchronism indicating and control system. 2,189,596; Feb. 6.
Stolle, John W., Ashland, Maine, assignor to C. W. Stevens, Danbury, Conn. Drill for drilling holes in wood. 2,188,928; Feb. 6.
Stolle, John W., assignor to C. W. Stevens, Danbury, Conn. Drilling deep holes in wood. 2,188,929; Feb. 6.
Stoller, Benjamin B., assignor to L. F. Lambert, Contesville, Pa. Growth of mushroom mycelium. 2,189,303; Feb. 6.
Stone, Frank, Cleveland, Ohio. Tool. 2,189,452; Feb. 6.
Stopple, Clarence A. (See Sundstrom, H. T., and Stopple.)
Storrs, Robert W., Jr., Richmond, Va. Stop. 2,189,274; Feb. 6.
Strandt, Gustav E., Milwaukee, Wis. Smoking pipe. 2,188,966; Feb. 6.
Straubel, Clarence W. (See Anderson, A. H., Fitch, and Straubel.)
Strom, Walter H., Detroit, Mich. Artificial fly holder for a fisherman's kit. 2,188,987; Feb. 6.
Struensee, Louis C., Oshkosh, Wis. Four-wheel trailer hitch. 2,189,453; Feb. 6.
Stuerzl, Henry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Instrument lighting. 2,189,635; Feb. 6.
Stuerzl, Henry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Instrument lighting. 2,189,636; Feb. 6.
Sturtevant, B. F., Company. (See Hanson, Milton E., assignor.)
Stute, Henry C., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,189,410; Feb. 6.
Suitt, Fred L., Durham, N. C. Flush tank valve. 2,189,479; Feb. 6.
Sun Tube Corporation, The. (See Martina, Joseph D., assignor.)
Sunderland, Alfred E., Asheville, assignor to American Enka Corporation, Enka, N. C. Device for use in twisting threads. 2,189,257; Feb. 6.
Sundstrom, Herman T., and C. A. Stopple, Houston, Tex., assignors to Mergenthaler Linotype Company. Slug casting machine. 2,188,988; Feb. 6.
Super Mold Corporation of California. (See Glynn, Edwin A., assignor.)
Supreme Instruments Corporation. (See Archer, Garland W., assignor.)
Supreme Knitting Machine Co. (See Agulnek, Harry.)
Supreme Knitting Machine Co. (See Agulnek, H., and Mishcon.)
Surbeck, Leighton H., New York, N. Y. Apparatus for forming three dimensional images. 2,189,374; Feb. 6.
Surdy, Charles J., Tuchahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,189,718; Feb. 6.
Sutherlin, Lee, Caldwell, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tube for measuring voltages. 2,189,620; Feb. 6.
Swaney, Miller W., Bloomfield, N. J., assignor to Ellis Laboratories, Inc. Hydroculture plant box. 2,189,510; Feb. 6.
Swart, Leland K. (See Honaman, R. K., and Swart.)
Swart, Richard H., assignor to General Refrigeration Corporation, Beloit, Wis. Apparatus for conditioning air. 2,188,967; Feb. 6.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Multiple clutch automatic transmission. 2,189,537; Feb. 6.
Sweo, Benjamin J. (See McIntyre, G. H., Bahnsen, and Sweo.)
Sylvander, Roy C., Garden City, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Indicating instrument. 2,189,375; Feb. 6.
Talon, Inc. (See Corner, George H. C., assignor.)
Tangerman, William J., Hammond, Ind., assignor to Standard Railway Equipment Company, Chicago, Ill. Railway car construction. 2,189,386; Feb. 6.
Teal, Gordon K. (See Diggory, B. A., and Teal.)
Technical Oil Tool Corporation. (See Culbertson, Joe W., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Frünz, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, Albrecht, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Karolus, August, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Teleregister Corporation, The. (See Hicks, R. M., and Haselton, assignors.)
Teletype Corporation. (See Burcky, Charles W., assignor.)
Teletypesetter Corporation. (See Eddy, William H., assignor.)

Temple, Robert, Jr., Pittsburgh, Pa. Underwater connector. 2,189,439; Feb. 6.
Tessier, Joseph D., Worcester, Mass. Emergency door opening tool. 2,189,480; Feb. 6.
Textile Machine Works. (See Ischinger, Alfred E., assignor.)
Thaisz, Julius J., Rutherford, N. J. Motor mechanism. 2,189,258; Feb. 6.
Thelband, Henri, Bienne (Schweiz), Switzerland, assignor to The Gruen Watch Company, Cincinnati, Ohio. Watch movement. 2,189,334; Feb. 6.
Thomas, Andrew J., Mason City, Iowa. Christmas tree stand. 2,189,687; Feb. 6.
Thomas, George P., Bayonne, N. J. Condiment receptacle. 2,189,454; Feb. 6.
Thomas, Harry E., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Multiband radio receiver. 2,189,688; Feb. 6.
Thompson, Ernest L., Washington, D. C. Fluid pressure motor. 2,189,088; Feb. 6.
Thompson, Frank, Hamilton, Ontario, Canada, assignor to International Harvester Company. Drill cultivator. 2,189,185; Feb. 6.
Thompson, Ralph E., Brookline, Mass. Safety razor. 2,189,689; Feb. 6.
Thompson, Robert D. (See Wilcom, F., and Thompson.)
Tietig, Chester. (See Haley, R. V., Glazier, and Tietig.)
Tigner, Clarence H., Columbus, Ga., assignor to Lummus Cotton Gin Company. Cotton gin. 2,189,690; Feb. 6.
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Timken-Detroit Axle Company, The. (See Buckendale, Lawrence R., assignor.)
Titanium Alloy Manufacturing Company, The. (See Comstock, George F., assignor.)
Toledo General Manufacturing Company, The. (See Irwin, George W., assignor.)
Tolen, Harry H., Chula Vista, Calif. Wiener roaster. 2,189,047; Feb. 6.
Tournadre, Michel. (See Kön, S., and Tournadre.)
Traill, David, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Films, filaments, and other shaped articles made by hardening proteins coagulated from their solutions. 2,189,481; Feb. 6.
Tranaas, Emil L., and G. L. Omon, assignors to Koehring Company, Milwaukee, Wis. Dumping vehicle and door operating means therefor. 2,189,186; Feb. 6.
Travers, Paul D., Fond du Lac, Wis. Playground slide. 2,189,691; Feb. 6.
Treffeisen, Albert M., Merrick, N. Y. Head rod holder for stationary awnings. 2,189,525; Feb. 6.
Trimmer, Herbert H., Van Nuys, Calif. Engine control mechanism. 2,189,499; Feb. 6.
Tripp, Weaver W., and R. H. Kale, Mebane, N. C. Truck. 2,189,089; Feb. 6.
Tung-Sol Lamp Works Inc. (See Lackey, James A., assignor.)
Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Station selector. 2,189,304; Feb. 6.
Turunen, Thomas, Detroit, Mich. Double-breasted garment. 2,189,187; Feb. 6.
Typograph G. m. b. H. (See Bendorff, Kurt, assignor.)
Typograph G. m. b. H. (See Bendorff, K., Bieber, and Dahnert, assignors.)
Tyzzer, Howard J., assignor to The Crosley Corporation, Cincinnati, Ohio. Radio set. 2,189,455; Feb. 6.
Uber, Harold R., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Cushioning device for bicycle forks and the like. 2,188,968; Feb. 6.
Underhill, Joseph A., New York, N. Y. Silent door stop. 2,189,048; Feb. 6.
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Ungar, Gustave A., Pelham Manor, N. Y. V belt. 2,189,049; Feb. 6.
Union Oil Company of California. (See Bailey, J. R., and Meadows, assignors.)
Union Special Machine Company. (See Sauer, George, assignor.)
Union Switch & Signal Company, The. (See Girardin, Louis, assignor.)
Union Switch & Signal Company, The. (See Mishelevich, Benjamin, assignor.)
United Aircraft Corporation. (See Buck, R. S., and Gunberg, assignors.)
United American Metals Corporation. (See Jung, Albert H., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Hopkins, Raymond E., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
U. S. Electrical Motors, Inc. (See Pfleger, George T., assignor.)
United States Rubber Company. (See Meuser, Ludwig, assignor.)
United States Rubber Company. (See Moskowitz, C. J., and Emptage, assignors.)
Universal Oil Products Company. (See Day, Roland B., assignor.)
Unterbusch, Franz, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. High frequency signaling cable. 2,189,090; Feb. 6.
Unterbusch, Franz, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Flexible high frequency cable. 2,189,091; Feb. 6.
Upson, Charles A., Lockport, N. Y., assignor to General Motors Corporation. Radio antenna construction. 2,189,155; Feb. 6.
Ürményi, Ladislaus, Bern, Switzerland. Apparatus for measuring the thickness of foils. 2,189,092; Feb. 6.
Van Buren, William, and N. Jones, Detroit, Mich. Safety inner tube for automobile tires. 2,189,692; Feb. 6.
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,189,259; Feb. 6.
Vanderveld, Charles F., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Disappearing door structure. 2,189,233; Feb. 6.
Vander Wal, Robert J. (See Ralston, A. W., and Vander Wal.)
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,189,482; Feb. 6.
Van Loon, Carel J., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning circuits. 2,189,050; Feb. 6.
Van Norman Machine Tool Company. (See Healy, Francis P., assignor.)
Van Nostrand, James S., et al. (See Reeding, Harry B., assignor.)
Van Pelt, John E., Maywood, N. J. Hat holder. 2,189,538; Feb. 6.
Van Winter, Carl B. (See Smith, G. H., and Van Winter.)
Victor, Charles. (See Carrier, W. W., and Victor.)
Vincent-Daviss, Cedric A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal cleaning process. 2,188,930; Feb. 6.
Voigtländer & Sohn Aktiengesellschaft. (See Reiche, Wilhelm, assignor.)
Von Giesche's, Georg, Erben. (See Burkhardt, Arthur, assignor.)
Wagner, Herbert L., Detroit, assignor to Detroit Stoker Company, Monroe, Mich. Cinder trap. 2,189,234; Feb. 6.
Wahl, John C., assignor to Lion Manufacturing Corporation, Chicago, Ill. Lever lock mechanism. 2,189,051; Feb. 6.
Waldvogel, Albert C., Richmond Heights, Mo. Coffee roasting apparatus. 2,188,969; Feb. 6.
Wallace, Robert H., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio, Automobile frame. 2,189,719; Feb. 6.
Waller, John A., Beverly Hills, Calif. Culinary device. 2,189,354; Feb. 6.
Walter, Jules G. (See Cohn, S., and Walter.)
Wanner, Walter E., Olean, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Rotation indicating device. 2,189,235; Feb. 6.
Ward, Lawrence T., New York, N. Y. Dispensing apparatus. 2,189,643; Feb. 6.
Ward, Leonard Electric Company. (See Logan, Frank G., assignor.)
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Waterbury Clock Company, The. (See Manseau, Alfred L., assignor.)
Watson, Oliver, Dayton, assignor of one-half to B. F. Downey, Springfield, Ohio. Ullage rod. 2,189,236; Feb. 6.
Watson, Paul D., Alexandria, Va.; dedicated to the free use of the People in the Territory of the United States. Fractionating resinous products. 2,189,572; Feb. 6.
Watt, George W., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,189,720; Feb. 6.
Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Clothes wringer. 2,189,747; Feb. 6.
Waukesha Motor Company. (See Pope, Arthur W., Jr., assignor.)
Weaver, Charles E., Watertown, N. Y. Landing gear for aircraft. 2,189,093; Feb. 6.
Weaver, Charles E., Watertown, N. Y. Valve for controlling landing gear of aircraft. 2,189,094; Feb. 6.
Weaver, Newton M. (See Wintsch, Max T., assignor.)
Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box lid structure. 2,189,355; Feb. 6.
Wegner, Julius, Flushing, New York, N. Y. Riveting tool. 2,189,573; Feb. 6.
Weigand, John L., Dayton, Ohio. Setting type and mechanism therefor. 2,189,539; Feb. 6.
Weinig, Arthur J., Golden, assignor to Potash Company of America, Denver, Colo. Concentration process. 2,188,931; Feb. 6.
Weinig, Arthur J., Golden, assignor to Potash Company of America, Denver, Colo. Flotation process for sylvinite ores. 2,188,932; Feb. 6.
Weinig, Arthur J., Golden, assignor to Potash Company of America, Denver, Colo. Flotation treatment of sylvinite ores. 2,188,933; Feb. 6.
Weisman, Ralph. (See Weissman, S., and Weisman.)

Weissman, Samuel, and R. Weisman, Detroit, Mich. Back rest and pull-out for sliding couches. 2,189,188; Feb. 6.
Weksler Thermometer Corporation. (See Barker, Howard H., assignor.)
Wells, Lancelot E., Northampton, assignor to The Express Lift Company Limited, Westminster, London, England. Electric inductor relay. 2,189,597; Feb. 6.
Werner, August F., Alpena, Mich. Snow remover. 2,188,989; Feb. 6.
Western Electric Company. (See Bierma, Clyde E., assignor.)
Western Electric Company. (See Gray, Alvin N., assignor.)
Western Electric Company. (See Johnson, Fred V.)
Western Electric Company. (See Seagren, Martin J., assignor.)
Western Electric Company. (See Stachelrodt, Fred W., assignor.)
Western Electric Company Incorporated. (See Gillis, R., and Prendergast, assignors.)
Western Union Telegraph Company, The. (See Boudreau, Anthony P. J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, A., and Lockwood, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bourland, Langford T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bramble, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brecht, Winston A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, George S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Graham, Harold J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, C. R., and Mikina, assignors.)
Westinghouse Electric & Manufacturing Company. (See Herbold, Carl F., assignor.)
Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Klemperer, Hans, assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, D. D., and Evans, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lingal, H. J., and Arnold, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lottes, Paul C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Pakala, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rampacher, Fritz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Siebert, E., and Kafka, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., and Ludwig, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., and Pakala, assignors.)
Westinghouse Electric & Manufacturing Company. (See Steinbauer, W., Kother, and Müller, assignors.)
Westinghouse Electric & Manufacturing Company. (See Stoddard, Ralph N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sutherlin, Lee, assignor.)
Westmoreland Coal Company. (See Eigenbrot, John L., assignor.)
Wetsel, Carlton. (See Smith, E. L., and Wetsel.)
Wettstein, Albert. (See Miescher, K., Wettstein, and Fischer.)
Wheeler, Henry J., Buffalo, assignor to Chisholm Ryder Company, Incorporated, Niagara Falls, N. Y. Corn cutter. 2,188,934; Feb. 6.
Whitney, Kenneth B., Toronto, Ontario, Canada. Foot adjuster. 2,189,693; Feb. 6.
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Sealing device. 2,188,990; Feb. 6.
Wico Electric Company. (See Harmon, Kenneth A., assignor.)
Wilcom, Frank, and R. D. Thompson, Okmulgee, Okla. Combination cup and plunger oil well pump. 2,189,237; Feb. 6.
Willard, Donald E., Danville, Ill. Joint. 2,189,156; Feb. 6.
Williams, Walter W., Bloomington, Ill. Dispensing apparatus. 2,189,157; Feb. 6.
Wilson, Harvey, Gainesville, Ga. Automatic door lock. 2,189,748; Feb. 6.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Electric timing system. 2,188,970; Feb. 6.
Wilson Sporting Goods Company. (See Davis, C. C., and Gregory, assignors.)
Winans, Charles F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Dibenzyl hexahydro phthalate. 2,189,721; Feb. 6.
Winans, Charles F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Esters of hexahydrophthalic acid. 2,189,722; Feb. 6.
Wingard, Charles L., Portland, Oreg. Holding together parts having telescopic engagement. 2,189,644; Feb. 6.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Lauter, Werner M., assignor.)
Wingfoot Corporation. (See Scott, Winfield, assignor.)
Wingfoot Corporation. (See Watt, George W., assignor.)
Wingfoot Corporation. (See Winans, Charles F., assignor.)
Winthrop Chemical Company. (See Bockmühl, M., and Ehrhart, assignors.)
Wintsch, Max T., assignor of one-half to N. M. Weaver, Lancaster, Pa. Automatic railway signaling system. 2,188,991; Feb. 6.
Wissler, William A., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Method of making hard compositions. 2,189,387; Feb. 6.
Wittenmyer, Carlos, Mount Clemens, Mich. Typewriter. 2,188,935; Feb. 6.
Wolpert, Otto, Mannheim, Germany, and R. Ludwig, Kladno, Czechoslovakia, assignors to Hessenmuller & Wolpert, Ludwigshafen-on-the-Rhine, Germany. Hardness tester. 2,188,992; Feb. 6.
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Worcester Knitting Company, The. (See Henne, Adolf H., assignor.)
Work, Ernest W., assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Vacuum breaker. 2,189,694; Feb. 6.
Wright Aeronautical Corporation. (See Daub, Rudolph, assignor.)
Wurlitzer, Rudolph, Company, The. (See Maurer, Howard F., assignor.)
Yellow Truck & Coach Manufacturing Company. (See Eichner, Ferdinand R., assignor.)
Yellow Truck & Coach Manufacturing Company. (See Fox, Harold E., assignor.)
Yelm, Charles W., assignor to The Gates Rubber Company, Denver, Colo. Overfill preventer for storage batteries. 2,189,158; Feb. 6.
Yohe, Robert V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,189,411; Feb. 6.
York Ice Machinery Corporation. (See Lehman, Edward G., assignor.)
Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Conversion of hydrocarbon. 2,189,645; Feb. 6.
Younghusband, James L., Chicago, Ill. Pipe cleaner. 2,189,556; Feb. 6.
Zand, Stephen J., Forest Hills, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Soundproof window construction for aircraft cabins. 2,189,388; Feb. 6.
Zeidler, Gustav A., Jr., Medford Station, N. Y. Developing wells. 2,188,936; Feb. 6.
Zein Corporation of America, The. (See Coleman, Roy E., assignor.)
Ziegler, Serge, Berlin, Germany. Oil separator. 2,188,993; Feb. 6.
Zildjian, Avedis, Quincy, Mass. Cymbal. 2,189,095; Feb. 6.
Zuercher, Chris. (See Fields, M. J., and Zuercher.)
Zworykin, Vladimir K., Philadelphia, Pa., and L. Malter, Newark, N. J., assignors to Radio Corporation of America. Electric discharge device. 2,189,305; Feb. 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Binding device. C. E. Emmer. Re. 21,344; Feb. 6.
Diaphragm and making the same, Rubber. J. T. Clark. Re. 21,342; Feb. 6.
Feed head, Automatic. C. E. Broders. Re. 21,341; Feb. 6.
Regulator for furnaces and other apparatus, Electric. G. A. F. Machlet. Re. 21,345; Feb. 6.
Tool, Machine. M. E. Lange and J. J. N. Van Hamersveld. Re. 21,343; Feb. 6.

LIST OF DESIGN INVENTIONS

Air compressing unit. F. D. Ditch. 118,852; Feb. 6.
Anchor. F. L. Tower. 118,869; Feb. 6.
Atomizer. F. A. Vuillemenot. 118,921–2; Feb. 6.
Bath, Hot oil finger. F. L. Newman. 118,830; Feb. 6.
Billfold. S. Smallman. 118,868; Feb. 6.
Bit, Drill. M. Hokanson. 118,877; Feb. 6.
Blouse. I. Abzug. 118,895; Feb. 6.
Blouse. M. K. Breslauer. 118,896; Feb. 6.
Bottle. W. H. Meyer. 118,862; Feb. 6.
Bottle and sachet pads display, and transparent container therefor, Combined perfume. F. Samuels. 118,830; Feb. 6.
Bowl and tray, Combined relish. H. W. Lormor. 118,905; Feb. 6.
Box or similar container. L. A. Trevisan. 118,870; Feb. 6.
Box or similar container. L. A. Trevisan. 118,893; Feb. 6.
Box or similar container. L. A. Trevisan. 118,920; Feb. 6.
Brooch or similar article. J. Wuyts. 118,888; Feb. 6.
Cabinet, Radio. R. L. Weyhing and P. D. Swibold. 118,874; Feb. 6.
Cabinet, Refrigerator. D. E. Dailey and H. Van Doren. 118,814; Feb. 6.
Calipers. N. Opotow. 118,832; Feb. 6.
Card or similar article, Display. G. J. Rhodes. 118,836; Feb. 6.
Case and connector for a hearing aid receiver, Combined. A. L. W. Williams. 118,923; Feb. 6.
Case, Clock. J. P. Rainbault. 118,834–5; Feb. 6.
Case, Piano. R. P. Brasted. 118,812; Feb. 6.
Casing for a therapeutic lamp. F. Wommer. 118,846; Feb. 6.
Clamp-ammeter. P. P. Huber and L. Guild. 118,820; Feb. 6.
Clip for a fountain pen or similar article. J. Vassos. 118,873; Feb. 6.
Coat, Lady's. M. Kolmer. 118,879; Feb. 6.
Comb, Finger-grip. E. Y. Berry. 118,810; Feb. 6.
Comfortable. A. J. Goldman. 118,903; Feb. 6.
Confection, support, and drip catcher, Combined frozen. E. C. Texter and C. G. Shocknesse. 118,840; Feb. 6.
Connector, Electrical. A. L. W. Williams. 118,894; Feb. 6.
Counter, Checking. G. C. Gill. 118,817; Feb. 6.
Cream remover. J. S. MacLean. 118,826; Feb. 6.
Curtain ring. H. Kaufman. 118,822; Feb. 6.
Dish. K. S. Herpel. 118,819; Feb. 6.
Dispenser and display holder, Combined napkin. V. W. Cornelius. 118,813; Feb. 6.
Dress. A. Engel. 118,898; Feb. 6.
Dress. L. Friend and E. S. Wieder. 118,900; Feb. 6.
Dress. A. Rebhuhn. 118,907; Feb. 6.
Dress. K. Rost. 118,908; Feb. 6.
Dress. B. Shapiro. 118,911; Feb. 6.
Dress. J. M. Sterngold. 118,913; Feb. 6.
Dress. M. Stone. 118,914–19; Feb. 6.
Dress ensemble. A. Engel. 118,897; Feb. 6.
Dress ensemble. S. E. Frontman. 118,901; Feb. 6.
Exercising apparatus. R. F. Wright. 118,847; Feb. 6.
Fabric, Elastic. D. Wishnack. 118,925; Feb. 6.
Fabric or similar article, Textile. H. Feldman. 118,890; Feb. 6.
Fabric, Puffed and embroidered. M. B. Kaplan. 118,878; Feb. 6.
Fabric, Textile. S. B. Musson. 118,906; Feb. 6.
Fabric, Textile. H. Odzer. 118,880–5; Feb. 6.
Fabric, Textile. H. Odzer. 118,889–91; Feb. 6.
Fabric, Textile. W. C. Pahlmann. 118,892; Feb. 6.
Fabric, Textile. J. Rubin. 118,909–10; Feb. 6.
Fabric, Textile. C. A. Tips. 118,886; Feb. 6.
Fork and fender for velocipedes, Combined front. J. R. Morgan. 118,828; Feb. 6.
Glasses, Sun. J. W. Welsh. 118,843; Feb. 6.
Glider or the like. Z. S. Logan. 118,860; Feb. 6.
Gun barrel and tubular cartridge magazine, Combined. H. F. Mossberg. 118,863; Feb. 6.
Handle for kitchen utensils or similar articles. M. J. Zimmer. 118,849; Feb. 6.
Handle, Saw. K. W. Atkins. 118,876; Feb. 6.
Hat. O. Gehn. 118,902; Feb. 6.
Hat. I. B. Simon. 118,912; Feb. 6.
Headstand apparatus, Acrobat's. C. Floresque. 118,816; Feb. 6.
Holder, Flag. C. M. Palmer. 118,865; Feb. 6.
Housing for signal devices. L. Littenhouse. 118,866; Feb. 6.
Ice chipper and bottle breaker or similar article, Combination. F. B. Norris. 118,831; Feb. 6.
Iron, Waffle. E. B. Borg. 118,811; Feb. 6.
Jar. J. F. Forsyth. 118,855; Feb. 6.
Lamp or similar article, Photographic arc. L. Eachus. 118,853; Feb. 6.
Lamp, Wall bracket. G. E. and L. MacFadden. 118,861; Feb. 6.
Medal or the like. H. C. Valsey. 118,871; Feb. 6.
Monument, Burial. L. A. Whitehouse. 118,844; Feb. 6.
Necklace. J. Wuyts. 118,875; Feb. 6.
Opener, Can. M. J. Zimmer. 118,848; Feb. 6.
Pail or the like, Cooker. W. D. Keith. 118,823; Feb. 6.
Pen, Fountain. J. Vassos. 118,872; Feb. 6.
Pendant, Cruciform. M. Kronstadt. 118,859; Feb. 6.
Protector for golf bags, Base. C. A. Ferguson. 118,815; Feb. 6.
Pump body or similar article, Rotary. T. R. Tyler. 118,842; Feb. 6.
Puzzle. J. C. Roch. 118,838; Feb. 6.
Razor. F. W. Pierson. 118,833; Feb. 6.
Receptacle base for an electrical connector. A. L. W. Williams. 118,924; Feb. 6.
Register or similar article, Air conditioning. C. Demuth. 118,851; Feb. 6.
Ring or similar article, Finger. D. Widess. 118,887; Feb. 6.
Scale, Wheel load. D. Middleman. 118,827; Feb. 6.
Shoe or similar article. G. S. Iliff. 118,858; Feb. 6.
Signal device. F. S. Grover. 118,857; Feb. 6.
Signal, Warning. T. J. Scofield. 118,867; Feb. 6.
Slipper. E. Haug. 118,818; Feb. 6.
Spectacle temple. A. F. Williams. 118,845; Feb. 6.
Stand, Display. F. C. Harbeson. 118,904; Feb. 6.
Stencil, Draftsman's. F. Lettino. 118,824; Feb. 6.
Stove, Oil cook. W. E. Huenefeld. 118,821; Feb. 6.
Tool unit, Portable power driven hand. F. P. Forss. 118,854; Feb. 6.
Toy bank. C. A. Ambrose. 118,809; Feb. 6.
Tumbler. H. L. Lissfelt. 118,825; Feb. 6.
Velocipede front fork. J. G. Rideout. 118,837; Feb. 6.
Ventilator, Window. E. F. Mueller. 118,864; Feb. 6.
Vibrator. N. A. Nelson. 118,829; Feb. 6.
Warmer or similar article, Food. C. G. Towne. 118,841; Feb. 6.
Wheel, Vehicle. T. A. Davenport. 118,850; Feb. 6.
Workbench and cabinet or similar article, Combined. G. M. Graham. 118,856; Feb. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. C. E. Bierma. 2,189,307; Feb. 6.
Abrading tool. F. W. Stachelrodt. 2,189,302; Feb. 6.
Abrasive article, Resin bonded. S. S. Kistler and C. E. Barnes. 2,189,733–5; Feb. 6.
Accordion. E. N. Del Principle. 2,189,531; Feb. 6.
Acid, Purifying benzoic. C. Conover. 2,189,726; Feb. 6.
Acids of the diphenylene series, Ortho-hydroxycarboxylic. F. Muth. 2,189,367; Feb. 6.
Addition compounds of cyclohexylamines and monocyclic phenols. G. L. Hockenyos. 2,189,420; Feb. 6.
Address stabilizing system, Public. L. J. Anderson. 2,189,306; Feb. 6.
Addressing machine, Selective. J. Krell. 2,189,115; Feb. 6.
Adjustable seat. J. W. Greig. 2,189,396; Feb. 6.
Advertising device, Luminous. L. Lion. 2,189,506; Feb. 6.
Aerial, Beacon. K. Franz. 2,189,283; Feb. 6.
Age resistor. A. M. Clifford. 2,189,725; Feb. 6.
Age resistor, W. M. Lauter. 2,189,736; Feb. 6.
Air brake testing apparatus. R. Simpson. 2,189,184; Feb. 6.
Air conditioner, Vehicle. M. E. Bowdish. 2,189,391; Feb. 6.
Air conditioning apparatus. J. Schury. 2,189,021; Feb. 6.
Air conditioning system. W. L. McGrath. 2,189,382. Feb. 6.
Airplane. A. Schut. 2,189,553; Feb. 6.
Alloys: *See*—
  Casting zinc alloy. Copper-titanium alloy.
Alloys. C. S. Sivil and E. O. Liebeg. 2,189,571; Feb. 6.
Alloys and making such alloys, Hard metal. R. Gillis and C. T. Prendergast. 2,189,064; Feb. 6.
Alloys and making the same, Hard metal. H. N. Padowicz. 2,188,983; Feb. 6.
Alloys, Ferrous. A. T. Cape and C. V. Foerster. 2,189,131; Feb. 6.
Aluminum oxide from aluminerous raw materials, Producing. A. S. Burman. 2,189,376; Feb. 6.
Ammonium chloride from its mixture with alkaline salts, Separation by floating of. J. Dessèvre. 2,189,488; Feb. 6.
Amplifier system. H. D. Hineline. 2,189,582; Feb. 6.
Anesthetic of the pyridine series and producing the same. R. R. Renshaw and P. F. Dreisbach. 2,189,404; Feb. 6.
Animal feeding method. A. A. Macdonell. 2,189,213; Feb. 6.
Antenna switching system. W. D. Hershberger. 2,189,549; Feb. 6.
Antenna system, All-wave. W. L. Carlson and V. D. Landon. 2,189,309; Feb. 6.
Antenna system, Diversity. W. R. Koch. 2,189,317; Feb. 6.
Antioxidant. D. Craig. 2,189,417; Feb. 6.
Antioxidant. R. V. Yohe. 2,189,411; Feb. 6.
Apparatus for automatically making and assembling filing cards. A. H. Anderson, J. A. Fitch, and C. W. Straubel. 2,188,994; Feb. 6.
Apparatus for cleaning poultry and the like. A. A. Brodeur. 2,189,484; Feb. 6.
Apparatus for conditioning air. R. H. Swart. 2,188,967; Feb. 6.
Apparatus for cooking bakery products. J. K. Nattson. 2,188,955; Feb. 6.
Apparatus for electrically roasting coffee berries. G. G. Griffin. 2,189,206; Feb. 6.
Apparatus for forming three dimensional images. L. H. Surbeck. 2,189,374; Feb. 6.
Apparatus for handling thread or the like. W. F. Knebusch and A. H. Burkholder. 2,188,905; Feb. 6.
Apparatus for hardening gears, gear teeth and other articles. C. W. Derhammer. 2,189,460; Feb. 6.
Apparatus for making grids. J. A. Lackey. 2,188,906; Feb. 6.
Apparatus for measuring the thickness of coils. L. Urmenyi. 2,189,092; Feb. 6.
Apparatus for necking in the ends of containers. R. E. Harwood. 2,189,004; Feb. 6.
Apparatus for the manufacture of concrete pipe. G. W. Kopp. 2,189,071; Feb. 6.
Apparatus for treating masonry and like surfaces. W. G. Brown and W. D. Brown. 2,188,938; Feb. 6.
Apparatus for twisting and reeling material. F. V. Johnson. 2,189,314; Feb. 6.
Apron control for carrying scrapers. J. D. Rapp. 2,189,222; Feb. 6.
Arc welding system. E. Riemenschneider. 2,189,326; Feb. 6.
Arm for individual suspension. J. W. Leighton. 2,189,651; Feb. 6.
Arm, Suspension. J. W. Leighton. 2,188,909; Feb. 6.
Article, Making a sewn and cemented. R. F. Hlavaty. 2,189,067; Feb. 6.
Astrological machine, Coin-controlled. V. F. Slezak. 2,189,641; Feb. 6.
Atomizer. R. C. Seyforth. 2,189,229; Feb. 6.
Automatic door lock. H. Wilson. 2,189,748; Feb. 6.
Automobile frame. R. H. Wallace. 2,189,719; Feb. 6.
Automobile theft detector. W. T. Mead. 2,189,149; Feb. 6.
Automotive equipment. W. B. Paine and A. A. Agueeff. 2,189,221; Feb. 6.
Back rest and pull-out for sliding couches. S. Weissman and R. Weisman. 2,189,188; Feb. 6.
Bags, Making impervious. G. A. Moore. 2,189,431; Feb. 6.
Boiler, Combination plug and dump. C. R. Dale. 2,189,445; Feb. 6.
Ball centers, Manufacturing playing. C. C. Davis and J. H. Gregory. 2,189,514; Feb. 6.
Bar with balanced ratios, Unbalanced splice. H. L. Lansing. 2,189,009; Feb. 6.
Base support. A. O. Samuels. 2,189,369; Feb. 6.
Battery construction, Storage. O. O. Rieser. 2,189,327; Feb. 6.
Battery, Primary. A. I. Eddy. 2,189,463; Feb. 6.
Bearing: *See*—
  Self-aligning bearing.
Bearing arrangement, Roller. F. Rampacher. 2,189,615; Feb. 6.
Bed, Patient-operable hospital. W. G. Rich. 2,189,325; Feb. 6.
Belt fastener. J. C. Olsen. 2,189,291–2; Feb. 6.
Belt, Garment. S. Auerbach. 2,189,413; Feb. 6.
Belt, V. G. A. Ungar. 2,189,049; Feb. 6.
Bending machine. O. R. Owens. 2,189,150; Feb. 6.
Beryllium, Producing metallic. B. R. F. Kjellgren and C. B. Sawyer. 2,188,904; Feb. 6.
Biscuits, Icing of or the application of cream or the like to. R. F. Macfarlane and W. E. Prescott. 2,189,214; Feb. 6.
Blasting initiator. G. H. Smith and C. B. Van Winter. 2,189,301; Feb. 6.
Block: *See*—
  Heater terminal block.
Blower. F. C. Reggio. 2,189,252; Feb. 6.
Boiler: *See*—
  Steam boiler.
Boiler. J. E. Brantly. 2,189,442; Feb. 6.
Boiler. J. F. Dickson. 2,189,135; Feb. 6.
Boiler. A. A. Kucher. 2,189,365; Feb. 6.
Bookmarker. R. C. Rathsam. 2,189,180; Feb. 6.
Boring bar guiding mechanism. F. P. Healy. 2,189,604; Feb. 6.
Boring mechanism, Multiple spindle. J. A. Eden. 2,188,941; Feb. 6.
Bottle capping machine. N. Corsi. 2,189,628; Feb. 6.
Bottle carrier. L. A. Lallement. 2,189,587; Feb. 6.
Box: *See*—
  Foldable box. Horticulture plant box.
Box construction, Cardboard. S. Platt. 2,189,151; Feb. 6.
Box forming machine. B. Evans and H. L. Metzger. 2,189,105; Feb. 6.
Box or container for roll paper, Dispensing. H. C. Harvey. 2,189,533; Feb. 6.
Bracelet, Watch. V. Alonge. 2,189,096; Feb. 6.
Brake: *See*—
  Hydraulic brake.
Brake. G. P. Roberts. 2,189,224; Feb. 6.
Brake. W. J. Ryan. 2,189,226; Feb. 6.
Brake applying means for vehicles. D. T. Brock and G. R. G. Gates. 2,189,192; Feb. 6.
Brake control, Trailer. A. H. Ace and L. R. Harriman. 2,189,335; Feb. 6.
Brake mechanism. F. L. Main. 2,189,014; Feb. 6.
Brake system, Hydraulic. R. M. G. Phillips. 2,189,403; Feb. 6.
Branding machine. E. Litchfield. 2,189,637; Feb. 6.
Bridge circuit. H. P. Doule and M. A. Michaels. 2,189,462; Feb. 6.
Buckle. C. E. Anderson. 2,189,574; Feb. 6.
Buckle. J. R. Reyburn. 2,189,118; Feb. 6.
Buffer, Tire. E. A. Glynn. 2,189,203; Feb. 6.
Buffing device. E. G. Peterson. 2,189,472; Feb. 6.
Building structure with self-contained raising and lowering mechanism. A. D'Amico. 2,189,486; Feb. 6.
Burs from wool and other textile fibers, Means and apparatus for the extraction of. R. D. Harrison, W. H. Dean, and F. Carter. 2,189,519; Feb. 6.
Bushing. E. E. Arnold. 2,189,621; Feb. 6.
Bushing. J. G. Ford. 2,189,632; Feb. 6.

Cabinet for paper towels, Dispensing. C. E. Kirch. 2,189,493; Feb. 6.
Cable: *See*—
High frequency cable. Signaling cable.
Cage, Animal. H. F. Morris. 2,189,449; Feb. 6.
Camera. J. J. Dilks. 2,188,974; Feb. 6.
Camera, Folding. W. Reiche. 2,189,223; Feb. 6.
Camera, Motion picture. P. Heinisch. 2,189,500; Feb. 6.
Can closing machine, Vacuum. A. M. Cameron. 2,188,939; Feb. 6.
Candlewick. V. Arnone. 2,189,412; Feb. 6.
Canvas, Conveyer. J. E. Novak. 2,189,080; Feb. 6.
Cap: *See*—
Seismograph blasting cap.
Car: *See*—
Dump car.
Car construction. C. W. Miller. 2,189,739; Feb. 6.
Car construction, Railway. W. J. Tangerman. 2,189,386; Feb. 6.
Car end structure, Railway. E. E. Schlesinger. 2,189,384; Feb. 6.
Car truck and braking means therefor. H. W. Stertzbach and C. L. Orr. 2,189,642; Feb. 6.
Carbonates of hydroxybenzoic acid esters. E. F. Grether and R. D. Du Vall. 2,189,205; Feb. 6.
Carbonyl compounds of steroids and manufacture thereof. K. Miescher, A. Wettstein, and W. Fischer. 2,188,914; Feb. 6.
Carburetor. E. Olson. 2,189,219; Feb. 6.
Carburetor accelerating pump. J. Schweiss. 2,189,554; Feb. 6.
Carrier: *See*—
Bottle carrier.
Cart. W. J. Mueller and I. R. Smith. 2,189,079; Feb. 6.
Cartridge for shotguns, Metal. J. Spengler. 2,189,498; Feb. 6.
Case: *See*—
Shipping case.
Casting apparatus, Centrifugal. A. E. Moorhead. 2,189,290; Feb. 6.
Casting zinc alloy. A. Burkhardt. 2,189,054; Feb. 6.
Cathead, Safety. G. D. Steel. 2,189,373; Feb. 6.
Cathode, Crater. G. S. Evans. 2,189,629; Feb. 6.
Cathode for electron tubes, Long life. D. D. Knowles and G. S. Evans. 2,189,636; Feb. 6.
Cathode, Photoelectric. L. E. Flory. 2,189,322; Feb. 6.
Cathode ray device. H. E. Hollmann. 2,189,583; Feb. 6.
Cells, Depolarization of primary. L. A. Kline. 2,189,666; Feb. 6.
Cellulose derivative composition. S. L. Bass and E. C. Britton. 2,189,338; Feb. 6.
Cellulose derivative compositions. S. L. Bass, T. A. Kauppi, and F. B. Smith. 2,189,337; Feb. 6.
Cement retainer. R. C. Baker. 2,189,697; Feb. 6.
Centrifugal pump. E. J. Otken. 2,189,081; Feb. 6.
Chain cutting machine for use in mining coal and other minerals, Endless. O. F. Lewis. 2,189,669; Feb. 6.
Chair or the like, Adjustable. H. R. Stahl. 2,189,256; Feb. 6.
Chocolate and making same. J. L. Klewer. 2,189,144; Feb. 6.
Christmas tree stand. A. J. Thomas. 2,189,687; Feb. 6.
Chuck, Quick releasing. W. Hammer. 2,189,002; Feb. 6.
Cigarettes, Manufacture of. W. F. M. Edwards. 2,188,998; Feb. 6.
Cinder trap. H. L. Wagner. 2,189,234; Feb. 6.
Circuit: *See*—
Bridge circuit. Valve circuit.
Tuning indicator circuit.
Circuit breaker. J. G. Jackson. 2,188,949; Feb. 6.
Circuit closer. F. M. Blum. 2,189,190; Feb. 6.
Circuits, Electronic tube. H. P. Donle. 2,189,461; Feb. 6.
Circuits, Signal rectifier. S. Hunt. 2,189,313; Feb. 6.
Circuits, Tuning. C. J. van Loon. 2,189,050; Feb. 6.
Circuits, Welding timing. J. W. Dawson. 2,189,601; Feb. 6.
Clamp. C. E. Hathorn. 2,189,172; Feb. 6.
Cleaner: *See*—
Drain cleaner. Pipe cleaner.
Cleaning apparatus, Dry. W. W. Carrier and C. Victor. 2,189,458; Feb. 6.
Cleat for structural elements, Connecting. R. J. Anschicks. 2,189,159; Feb. 6.
Closure for collapsible tubes. W. A. Fritz. 2,189,343; Feb. 6.
Cloth, Making waterproof. C. S. Hyatt and W. D. Hedge. 2,188,901; Feb. 6.
Clothesline hanger. P. J. Casserly. 2,189,626; Feb. 6.
Clutch: *See*—
Friction clutch.
Clutch automatic transmission, Multiple. B. A. Swennes. 2,189,537; Feb. 6.
Clutch operating mechanism, Automatic. R. C. Russell. 2,189,225; Feb. 6.
Coach construction. H. E. Fox. 2,189,139; Feb. 6.
Coal cutting machine. O. F. Lewis. 2,189,670; Feb. 6.
Coal, Preparing. J. L. Eigenbrot. 2,189,711; Feb. 6.
Coffee roasting apparatus. A. C. Waldvogel. 2,188,969; Feb. 6.
Collapsible container. L. Rosenfield. 2,189,436; Feb. 6.
Combination dresser mounting. O. K. Stangebye. 2,189,372; Feb. 6.
Combination lock. J. Eber. 2,189,342; Feb. 6.
Commutator or switchboard, Light-responsive. M. E. Gould. 2,189,001; Feb. 6.
Compensator for feeding elastic thread. A. H. Henne. 2,189,492; Feb. 6.
Computing device. W. G. Stewart. 2,189,333; Feb. 6.
Concentration process. A. J. Weinig. 2,188,931; Feb. 6.
Concrete structure, Reinforced. H. Griesel. 2,189,108; Feb. 6.
Condensation products containing nitrogen and making same. W. Kern. 2,189,503; Feb. 6.
Condensation products useful in the textile and related industries, Production of nitrogen-containing. F. Guenther. 2,189,648; Feb. 6.
Condenser bushing. H. J. Lingal and E. E. Arnold. 2,189,610; Feb. 6.
Condiment receptacle. G. P. Thomas. 2,189,454; Feb. 6.
Conductor and making the same, Insulated. A. N. Gray. 2,189,395; Feb. 6.
Conduit. G. F. Heath. 2,189,207; Feb. 6.
Connection, Electric outlet. L. J. Pfohl. 2,189,676; Feb. 6.
Connector: *See*—
Pipe connector. Underwater connector.
Plug connector. Vehicle towing connector.
Connector for radiant heater elements, High temperature terminal. F. A. Simons. 2,189,231; Feb. 6.
Connector yoke for flashlights. S. E. Hoiseth. 2,189,715; Feb. 6.
Contacting apparatus, Centrifugal. H. W. Sheldon and F. C. Fahnestock. 2,189,230; Feb. 6.
Contacting process and apparatus. C. G. Gilbert. 2,189,491; Feb. 6.
Container: *See*—
Collapsible container. Shipping container.
Container. J. Hohl. 2,189,174; Feb. 6.
Container. H. G. Seybold. 2,188,963; Feb. 6.
Container. H. C. Stute. 2,189,410; Feb. 6.
Container closure. J. B. Eisen. 2,188,942; Feb. 6.
Container closure. J. Gutmann. 2,188,946; Feb. 6.
Container cutter. R. D. Dumont. 2,189,341; Feb. 6.
Container parts, Making. J. H. Murch. 2,188,916; Feb. 6.
Containers, Method of and apparatus for making collapsible. J. D. Martina. 2,188,912; Feb. 6.
Control apparatus for operating furnaces. H. A. Reece. 2,188,920; Feb. 6.
Control device. J. K. Luthe. 2,189,653; Feb. 6.
Control for volume and tuning of a radio set. J. M. Baxter. 2,189,558; Feb. 6.
Control system. H. J. Graham. 2,189,603; Feb. 6.
Control valve. H. B. Redding. 2,189,324; Feb. 6.
Conveyer for baking ovens. J. V. Cook. 2,189,168; Feb. 6.
Conveyer, Locomotive fuel. H. E. Lippert. 2,189,074; Feb. 6.
Cooler: *See*—
Liquid cooler.
Cooler for agglomerated material. N. Ahlmann. 2,189,120; Feb. 6.
Copper, Precipitation of. G. Hamprecht and G. Pauckner. 2,189,263; Feb. 6.
Copper-titanium alloy. G. F. Comstock. 2,189,198; Feb. 6.
Core drill. L. S. Copelin. 2,189,057; Feb. 6.
Core structure for clay extruding dies. E. H. Pettier. 2,188,984; Feb. 6.
Corn cutter. H. J. Wheeler. 2,188,934; Feb. 6.
Couch, Extension studio. H. Rosen. 2,189,328; Feb. 6.
Counting mechanism. K. C. Bugg. 2,189,392; Feb. 6.
Coupler, Adjustable two-pole capacitive. K. Fritz. 2,189,284; Feb. 6.
Coupling: *See*—
Pipe coupling. Shaft coupling.
Coupling for tubes and pipes. H. Kreidel. 2,189,566; Feb. 6.
Cover: *See*—
Soaking pit cover. Tire cover.
Cover and forming same, Toilet seat. G. Doerr. 2,189,562; Feb. 6.
Cover assembly, Spare wheel and tire. F. R. Rueppel. 2,189,407; Feb. 6.
Cracker or wafer holder. W. E. Robinson. 2,189,450; Feb. 6.
Crane. R. E. Ljungkull. 2,189,212; Feb. 6.
Crane, Tractor mounted. R. G. Le Tourneau. 2,189,426; Feb. 6.
Crankcase. R. Daub. 2,189,600; Feb. 6.
Crayon holder. K. L. Deal. 2,189,561; Feb. 6.
Crutch, Hand. L. E. Lundquist. 2,189,429; Feb. 6.
Culinary device. J. A. Waller. 2,189,354; Feb. 6.
Cultivator, Drill. F. Thompson. 2,189,185; Feb. 6.
Cultivator mechanism. J. T. Covington. 2,189,707; Feb. 6.
Cup and plunger oil well pump, Combination. F. Wilcom and R. D. Thompson. 2,189,237; Feb. 6.
Cup and the like. W. Dolphin. 2,189,136; Feb. 6.
Curler. G. E. Laos. 2,189,505; Feb. 6.
Cushioning device for bicycle forks and the like. H. R. Uber. 2,188,968; Feb. 6.
Cutter: *See*—
Corn cutter. Container cutter.
Cymbal. A. Zildjian. 2,189,095; Feb. 6.
Damper control for stokers, Diaphragm. H. C. Carter. 2,189,511; Feb. 6.
Dental massaging, cleaning, and medicating device. C. J. F. Jackson. 2,189,175; Feb. 6.

Desk construction. I. B. Hall. 2,188,897; Feb. 6.
Device for drying hair. R. A. McClure. 2,189,430; Feb. 6.
Device for grinding eccentricity in pistons. E. Edwin and M. Peterson. 2,189,242; Feb. 6.
Device for operating on shoes. L. J. Bazzoni. 2,188,972; Feb. 6.
Device for producing separable fasteners. J. and J. Püschner. 2,188,985; Feb. 6.
Device for use in twisting threads. A. E. Sunderland. 2,189,257; Feb. 6.
Diaphragm for preventing dominants on colored pictures. K. Räntsch and H. Retzlaff. 2,189,297; Feb. 6.
Dibenzyl hexahydro phthalate. C. F. Winans. 2,189,721; Feb. 6.
Differential time-reckoning device. A. L. Manseau. 2,189,639; Feb. 6.
Diolefins from hydrocarbon mixtures, Recovery of. G. M. Hebbard and L. E. Lloyd. 2,188,899; Feb. 6.
Diolefins, Recovery of gaseous. G. M. Hebbard and L. E. Lloyd. 2,189,173; Feb. 6.
Dipper, Sampling. I. J. Benjamin. 2,189,238; Feb. 6.
Discharge tube, Gas or vapor filled. A. Pützer. 2,189,593; Feb. 6.
Disinfectant and wound remedy and the production thereof. H. Goldhammer. 2,189,564; Feb. 6.
Disk, Wheel cover. G. A. Lyon. 2,189,743–4; Feb. 6.
Dispensing apparatus. L. T. Ward. 2,189,643; Feb. 6.
Dispensing apparatus. W. W. Williams. 2,189,157; Feb. 6.
Dispensing device for collapsible tubes, Automatic closing. C. S. Mann. 2,189,470; Feb. 6.
Display rack. J. T. Smith. 2,189,254; Feb. 6.
Disposal process for the treatment of weak ammoniacal waste liquors from coal distillation plants. W. O. Renkin. 2,189,083; Feb. 6.
Door construction, Overhead. A. V. Rowe. 2,189,019–20; Feb. 6.
Door frame and plaster bead. R. J. Mathias. 2,189,216; Feb. 6.
Door latch. F. C. Schoch. 2,189,227; Feb. 6.
Door latch, Vehicle. H. W. Rightmyer. 2,189,405; Jan. 6.
Door opening tool, Emergency. J. D. Tessier. 2,189,480; Feb. 6.
Door stop, Silent. J. A. Underhill. 2,189,048; Feb. 6.
Door structure, Disappearing. C. F. Vanderveld. 2,189,233; Feb. 6.
Doughnut making apparatus. I. F. McDonald. 2,189,217; Feb. 6.
Drain cleaner. A. A. Schnbring. 2,188,960; Feb. 6.
Drain valve. R. S. Buck and H. W. Gunberg. 2,189,162; Feb. 6.
Drawer mechanism for cash registers. A. C. Kirshner. 2,189,177; Feb. 6.
Drawing device. R. Stagl. 2,189,371; Feb. 6.
Drier and stretcher, Sweater. I. Schwartz. 2,188,986; Feb. 6.
Drill chuck. M. P. Hubbell. 2,189,068; Feb. 6.
Drill for drilling holes in wood. J. W. Stolle. 2,188,928; Feb. 6.
Drilling and tapping machine, Combined. G. W. Irwin. 2,189,422; Feb. 6.
Drive, Planetary gear. W. B. Osborne. 2,189,220; Feb. 6.
Drying solutions containing lactose. C. O. Lavett. 2,188,907; Feb. 6.
Drying system for seed cotton. C. A. Bennett. 2,189,099; Feb. 6.
Dump car. J. P. Anderson. 2,189,336; Feb. 6.
Dyes with strong organic bases, Preparing cyanine. L. G. S. Brooker. 2,189,599; Feb. 6.
Dyestuffs and new industrial products resulting therefrom, Production of polyazo. G. Kopp and R. Gangneux. 2,189,522; Feb. 6.
Dyestuffs, Azo. R. Fleischhauer. 2,189,262; Feb. 6.
Dyestuffs of the anthraquinone series, Acid wool. H. Schlichenmeier. 2,189,509; Feb. 6.
Dynamometer, Absorption. C. C. Bennett. 2,189,189; Feb. 6.
Ear protector. C. Boyer. 2,189,416; Feb. 6.
Egg albumin, Preparing dried. V. D. Littlefield. 2,189,380; Feb. 6.
Electric braking system. E. Dozier. 2,189,579; Feb. 6.
Electric controlling apparatus. F. G. Logan. 2,189,507.
Electric discharge device. H. Klemperer. 2,189,635; Feb. 6.
Electric discharge device. V. K. Zworykin and L. Malter. 2,189,305; Feb. 6.
Electric steaming iron. D. A. Deems. 2,189,709; Feb. 6.
Electric switching device. G. F. Lincks. 2,189,588; Feb. 6.
Electric timing system. J. C. Wilson. 2,188,970; Feb. 6.
Electrical control device, Automatic. R. W. Bonner and P. D. Hall. 2,188,973; Feb. 6.
Electrical generator. W. E. Kock and J. F. Jordan. 2,189,469; Feb. 6.
Electrical impulse responsive means. G. L. Dimmick. 2,189,311; Feb. 6.
Electrical prospecting, Method and apparatus for. C. A. Heiland. 2,189,377; Feb. 6.
Electrical relay. B. Mishelevich. 2,189,178; Feb. 6.
Electrical testing. G. W. Archer. 2,189,457; Feb. 6.
Electrode feeding mechanism for arc searchlights. C. F. Herbold. 2,189,605; Feb. 6.
Electron discharge device. B. A. Diggory and G. K. Teal. 2,188,940; Feb. 6.
Electron multiplier tube. O. Krenzien. 2,189,318; Feb. 6.
Electro-optical device. G. A. Morton. 2,189,319–21; Feb. 6.
Elevator controller. G. C. Brown. 2,189,193; Feb. 6.
Engine: *See*—
Injection engine.
Internal combustion engine.
Engine control, Airplane. M. E. Chandler. 2,189,705; Feb. 6.
Engine control mechanism. H. H. Trimmer. 2,189,499; Feb. 6.
Engines, Air-start means for internal combustion. H. F. Budzien. 2,189,163; Feb. 6.
Envelope. W. P. Shomaker. 2,189,273; Feb. 6.
Episcope. C. Conrad. 2,189,577; Feb. 6.
Equalizer attachment for grain combines, Automatic side hill. F. J. Clipston. 2,189,706; Feb. 6.
Eraser attachment for typewriters. G. H. Hutaff, Jr. 2,189,649; Feb. 6.
Esters of hexahydrophthalic acid. C. F. Winans. 2,189,722; Feb. 6.
Ether products and producing same, Unsaturated. W. H. Carothers and H. B. Dykstra. 2,189,529; Feb. 6.
Evaporator, Sprayed. M. E. Hanson. 2,189,731; Feb. 6.
Exercising and stretching device. J. J. Lee. 2,189,145; Feb. 6.
Fabric feeding control system. S. Cohn and J. G. Walter. 2,189,166; Feb. 6.
Fabric inspection device. A. E. Ischinger. 2,189,650; Feb. 6.
Fabric, Method and apparatus for producing striped knitted. H. Agulnek and L. Mishcon. 2,189,276; Feb. 6.
Fabrics, Woven. K. Shiranezawa. 2,189,370; Feb. 6.
Fastener: *See*—
Belt fastener. Snap fastener.
Separable interlocking fastener.
Fastener. L. V. Lucia. 2,189,495; Feb. 6.
Fastener for scraper blades, Wedge. A. K. Johnson. 2,189,745; Feb. 6.
Fastening inserting machine. F. N. La Chapelle. 2,188,978; Feb. 6.
Feeder apparatus. A. H. Jung. 2,189,113; Feb. 6.
Feeder or injector. L. G. Smith and J. F. Green. 2,189,255; Feb. 6.
Ferroprussiate photoreproduction. J. Holden. 2,189,264; Feb. 6.
Fertilizers, Production of phosphatic. E. Lüscher. 2,189,248; Feb. 6.
Fibers and a composition therefor, Bleaching. H. O. Kauffman. 2,189,378; Feb. 6.
File, Gang. A. Arutunoff. 2,189,659; Feb. 6.
Filling apparatus. G. A. Robinson. 2,189,018; Feb. 6.
Film pack, especially for dental films and the like. I. C. Rinn. 2,189,299; Feb. 6.
Film reel. E. L. Fischer. 2,189,547; Feb. 6.
Film smoother. B. C. Miller. 2,189,738; Feb. 6.
Films, filaments, and other shaped articles made by hardening proteins coagulated from their solutions. D. Traill. 2,189,481; Feb. 6.
Filter. C. A. Campbell. 2,189,704; Feb. 6.
Filter device for control valves. F. H. Schoenfeld. 2,189,594; Feb. 6.
Filter for pulsating gases, Surge. R. L. Leadbetter. 2,189,423–5; Feb. 6.
Finishing composition. T. McCreery. 2,189,530; Feb. 6.
Finned tube. E. G. Lehman. 2,189,652; Feb. 6.
Fire preventing and extinguishing apparatus. A. Mathisen. 2,189,147; Feb. 6.
Firearm, Automatic. E. E. Garland. 2,189,202; Feb. 6.
Fish lure. S. F. Davenport. 2,189,487; Feb. 6.
Fishhook. W. O. Maurer. 2,189,496; Feb. 6.
Fishing device. A. J. St. George. 2,189,478; Feb. 6.
Fitting, Gusseted. F. E. Flader. 2,189,201; Feb. 6.
Float and trowel, Plasterer's. E. Stabbert. 2,189,555; Feb. 6.
Float switch. E. C. Alexander. 2,189,456; Feb. 6.
Floor for refrigerator cars. C. D. Bonsall. 2,189,126; Feb. 6.
Flow control means, Automatic. C. H. Smith. 2,189,330; Feb. 6.
Fluid heating device. H. E. Brannon. 2,189,127; Feb. 6.
Fluid pressure motor. E. L. Thompson. 2,189,088; Feb. 6.
Fluid pressure system. A. A. Lowcke. 2,189,013; Feb. 6.
Flush tank valve. F. L. Suitt. 2,189,479; Feb. 6.
Fodder and making same. L. H. Smith and C. F. Schnabel. 2,189,438; Feb. 6.
Foldable box. G. D. Denny. 2,189,602; Feb. 6.
Foldable lap table. M. Johnson. 2,189,247; Feb. 6.
Food products and the like, Packing. S. H. Berch. 2,189,512; Feb. 6.
Foot adjuster. K. B. Whitney. 2,189,693; Feb. 6.
Forehearth for and method of controlling the temperature and condition of molten glass. G. E. Rowe. 2,189,271; Feb. 6.
Formaldehyde with urea and phenyl thiourea, Condensation of. H. Dohse and R. Röber. 2,189,563; Feb. 6.

Fowl-dressing appliance. M. Huschka. 2,189,421; Feb. 6.
Frame: *See*—
Automobile frame. Picture frame.
Free piston machine. P. R. Pateras. 2,189,497; Feb. 6.
Friction clutch. H. G. Ingersoll and A. C. Borg. 2,189,534; Feb. 6.
Friedel-crafts reactions, Facilitating. A. W. Ralston and R. J. Vander Wal. 2,189,383; Feb. 6.
Fruit and vegetable display device. B. W. Kirkby. 2,189,114; Feb. 6.
Fuel distributing apparatus. H. E. Lippert. 2,189,075; Feb. 6.
Fuel distributing device. A. L. Parker. 2,189,675; Feb. 6.
Fuel distributing unit. A. L. Parker. 2,189,674; Fig. 6.
Fuel pump. J. P. Johnson. 2,189,210; Feb. 6.
Furnace. P. C. Lottes. 2,188,979; Feb. 6.
Fuse. B. L. Carter. 2,189,101; Feb. 6.
Game, Card. M. Sleeth. 2,189,477; Feb. 6.
Garment, Double-breasted. T. Turunen. 2,189,187; Feb. 6.
Garment, Maternity. A. M. Spang. 2,189,332; Feb. 6.
Garments while being stretched, Apparatus for holding. E. Schultze. 2,189,228; Feb. 6.
Gas cutting machine. J. C. Glaum, Jr. 2,189,140; Feb. 6.
Gas generator. G. Steiner. 2,189,022; Feb. 6.
Gas purification. R. Mezger and T. Payer. 2,189,250; Fig. 6.
Gases to nitric acid, Process and apparatus for working up nitrons. M. J. Kalous. 2,189,363; Feb. 6.
Gauge for graders, Slope. D. Q. Blunk. 2,189,699; Feb. 6.
Gear: *See*—
Vehicle running gear.
Gear mounting. L. R. Buckendale. 2,189,100; Feb. 6.
Gear shift mechanism. R. S. Sanford and W. J. Andres. 2,189,681; Feb. 6.
Gear shifting mechanism. R. S. Sanford. 2,189,679–80; Feb. 6.
Generator: *See*—
Electrical generator. Short wave generator.
Gas generator.
Gin, Cotton. C. H. Tigner. 2,189,690; Feb. 6.
Glass, Electrically heating molten. G. Slayter. 2,188,927; Feb. 6.
Glass, Nonshattering. I. Ostromislensky. 2,189,293; Feb. 6.
Golf practicing apparatus. G. D. Paulsen. 2,189,613; Feb. 6.
Governor, Speed. C. R. Hanna and S. J. Mikina. 2,189,634; Feb. 6.
Grease, Manufacturing. M. T. Buford. 2,189,661; Feb. 6.
Grinder. H. A. Maurer. 2,189,015; Feb. 6.
Grinding machine attachment. E. F. Henry. 2,189,246; Feb. 6.
Grinding or abrading machine. S. A. Horstmann. 2,188,947; Feb. 6.
Grinding wheel. E. Van der Pyl. 2,189,259; Feb. 6.
Gripping device. L. A. Gilbert. 2,189,244; Feb. 6.
Guard, Vehicle radiator grille. G. H. Cox. 2,189,109; Feb. 6.
Hair, Method and apparatus for drying. E. L. Rockwood. 2,188,924; Feb. 6.
Hammer, Electrically operated. J. F. Britten, E. S. King, and P. L. Baumgard. 2,189,700; Feb. 6.
Handling tool. J. A. Hansen. 2,189,713; Feb. 6.
Hanger: *See*—
Clothesline hanger. Screen and storm sash hanger.
Hat hanger.
Hard compositions, Making. W. A. Wissler. 2,189,387; Feb. 6.
Hardness tester. O. Wolpert and R. Ludwig. 2,188,992; Feb. 6.
Hat. K. Blechman. 2,189,559; Feb. 6.
Hat hanger. S. J. Plummer. 2,189,677; Feb. 6.
Hat holder. J. E. Van Pelt. 2,189,538; Feb. 6.
Head for clamshell buckets. E. L. Harrington. 2,189,065; Feb. 6.
Head lamp. R. W. Carlisle. 2,189,164; Feb. 6.
Hearth, Heat insulating. J. H. Bramble. 2,189,624; Feb. 6.
Heat exchange unit, Multiple. F. B. Herz. 2,188,975; Feb. 6.
Heat transfer apparatus. T. N. Garson and F. C. Melchior. 2,189,532; Feb. 6.
Heat treatment, Apparatus for. J. G. Brush. 2,189,194; Feb. 6.
Heater: *See*—
Water heater.
Heater terminal block. A. Barnsteiner and E. H. Lockwood. 2,189,622; Feb. 6.
Heating and ventilating system. E. L. Mayo. 2,189,348; Feb. 6.
High frequency cable, Flexible. F. Unterbusch 2,189,091; Feb. 6.
Hitching device for trailers. L. H. Draeger. 2,189,710; Feb. 6.
Hoisting apparatus. H. F. Martin. 2,189,447; Feb. 6.
Holder: *See*—
Cracker or wafer holder. Hose holder.
Hat holder.
Holder for a fisherman's kit, Artificial fly. W. H. Strom. 2,188,987; Feb. 6.
Holder for stationary awnings, Head rod. A. M. Treffeisen. 2,189,525; Feb. 6.
Holes in wood, Drilling deep. J. W. Stolle. 2,188,929; Feb. 6.
Hook adapter for bolts. H. Lindsay. 2,189,011; Feb. 6.
Hose holder. W. R. Kirsten. 2,189,364; Feb. 6.
Humidifier. K. A. Harmon. 2,189,003; Feb. 6.
Hydraulic brake. G. F. Chard. 2,189,134; Feb. 6.
Hydraulic brake. M. L. Masteller. 2,188,913; Feb. 6.
Hydraulic press. A. A. Norin and A. M. Olson. 2,188,956; Feb. 6.
Hydrocarbons, Conversion of. R. F. Ruthruff. 2,189,655; Feb. 6.
Hydrocarbons, Conversion of. M. P. Youker. 2,189,645; Feb. 6.
Hydrocarbons, Manufacture of gasolinelike. P. C. Keith, Jr. 2,189,265; Feb. 6.
Hydrocarbons, Treating. H. Miller and J. L. Farrell. 2,189,016; Feb. 6.
Hydroculture plant box. M. W. Swaney. 2,189,510; Feb. 6.
Hygienic device for telephone instruments, Sanitary. L. F. Richardson and V. J. Faulkner. 2,188,958; Feb. 6.
Image-frequency suppression system. D. V. Sinninger. 2,188,964; Feb. 6.
Impact machine, Variable speed. R. K. Haskell and H. C. Mann. 2,188,898; Feb. 6.
Incandescent and ultraviolet lamp, Combination. M. E. Macksoud. 2,189,508; Feb. 6.
Incandescent lamp, Double-walled electric. E. Gomonet. 2,188,945; Feb. 6.
Inclinometer. S. Fujimoto. 2,189,516; Feb. 6.
Indexing mechanism. L. O. Carlsen. 2,188,996; Feb. 6.
Indicating apparatus. R. H. Gould. 2,189,107; Feb. 6.
Indicating device. R. M. Hicks and M. L. Haselton. 2,189,581; Feb. 6.
Indicating instrument. R. C. Sylvander. 2,189,375; Feb. 6.
Indicator: *See*—
Power level indicator.
Indicator. W. M. R. Farmer. 2,189,631; Feb. 6.
Injection engine. A. W. Pope, Jr. 2,189,082; Feb. 6.
Inking pad. W. G. Mittag. 2,189,551; Feb. 6.
Inkstand. G. J. Sengbusch. 2,188,962; Feb. 6.
Inlay heater and ring. D. D. Mizzy and D. L. Durst. 2,188,915; Feb. 6.
Insecticide. A. J. Kraus. 2,188,951; Feb. 6.
Insecticide. M. S. Schechter and H. L. J. Haller. 2,189,570; Feb. 6.
Instrument lighting. H. C. Stuerzl. 2,189,535–6; Feb. 6.
Intercommunicating system. L. W. Kolozsy. 2,189,267; Feb. 6.
Intercommunicating system and apparatus therefor. L. W. Parker. 2,189,269; Feb. 6.
Internal combustion engine. A. Garve and O. Kurtz. 2,189,106; Feb. 6.
Internal combustion engine, Rotary. C. D. Daniels. 2,189,728; Feb. 6.
Iron: *See*—
Electric steaming iron.
Jack. I. Kirby. 2,189,605; Feb. 6.
Jacket, Frostproof. L. Huth. 2,189,466; Feb. 6.
Joint: *See*—
Pipe joint.
Joint. D. E. Willard. 2,189,156; Feb. 6.
Joint and chill ring therefor, Welding. B. Ronay. 2,188,925; Feb. 6.
Joint construction. R. E. Klages. 2,189,266; Feb. 6.
Label. C. J. Moskowitz and R. Emptage. 2,188,981; Feb. 6.
Labeling machine. O. A. McNamee. 2,189,673; Feb. 6.
Labeling machine. L. Oskow. 2,189,296; Feb. 6.
Lamp: *See*—
Head lamp. Incandescent lamp.
Incandescent and ultraviolet lamp. Sanctuary lamp.
Landing gear for aircraft. C. E. Weaver. 2,189,093; Feb. 6.
Latch: *See*—
Door latch.
Latch. A. A. Martin. 2,189,672; Feb. 6.
Latch for coil tilters, Safety. S. Kash. 2,189,716; Feb. 6.
Lawn trimming device. L. W. Scofield. 2,188,961; Feb. 6.
Leakage revealing structure for steam boilers, Steam and water. H. W. Poor. 2,189,473; Feb. 6.
Lever lock mechanism. J. C. Wahl. 2,189,051; Feb. 6.
Lid structure, Journal box. T. R. Weber. 2,189,355; Feb. 6.
Line tightener. P. E. Bertram. 2,188,937; Feb. 6.
Liquid cooler. C. Di Felice. 2,189,281; Feb. 6.
Liquid dispensing system. E. F. McCrory. 2,189,448; Feb. 6.
Liquid level control means. A. K. Foulds. 2,189,662; Feb. 6.
Liquids, Apparatus for cooling and degasifying. E. Little. 2,189,146; Feb. 6.
Lock: *See*—
Automatic door lock. Nut lock.
Combination lock.
Lock eliminator, Vapor. B. E. Sibley. 2,189,658; Feb. 6.

Lock for revolving doors. T. M. Hagenbook. 2,189,712; Feb. 6.
Loom and weaving thereon. R. F. Caron. 2,189,444; Feb. 6.
Lubricant and producing same. W. L. Evers. 2,188,943; Feb. 6.
Machine for displaying and dispensing soap tablets or the like articles. B. Cramp. 2,189,544; Feb. 6.
Machine for forming packages. W. T. Martin. 2,189,347; Feb. 6.
Machine for frying food. W. T. Dusterdick. 2,189,200; Feb. 6.
Machine for washing milk cans. I. H. Kendall. 2,189,176; Feb. 6.
Machine tool. J. J. N. Van Hamersveld. 2,189,482; Feb. 6.
Magnetic means for stirring mercury in an ignitron. J. Slepian and W. E. Pakala. 2,189,619; Feb. 6.
Magneto rotor construction. D. W. Randolph and J. W. McCulloch. 2,189,524; Feb. 6.
Maps, Making relief. B. V. Perera. 2,189,592; Feb. 6.
Marker for inclination recording apparatus, Angle. J. W. Culbertson. 2,189,560; Feb. 6.
Massage device. H. E. Niemiec. 2,189,116; Feb. 6.
Material classifier. J. H. V. Finney. 2,189,418–19; Feb. 6.
Material, Laminated sheet. L. T. Sibley. 2,189,409; Feb. 6.
Material treating apparatus. C. H. Bell. 2,189,414–15; Feb. 6.
Material working apparatus. M. J. Seagren. 2,189,086; Feb. 6.
Materials, Apparatus for testing. E. A. Mahannah and H. P. Bailey. 2,189,589; Feb. 6.
Materials, Molding of sheet. W. V. Hutchinson. 2,189,006; Feb. 6.
Matrix setting and type-line-casting machine. K. Bendorff. 2,189,097; Feb. 6.
Matrix-setting and type-line-casting machine. K. Bendorff, O. Bieber, and K. Dalmert. 2,189,098; Feb. 6.
Measuring apparatus. C. B. Moore. 2,189,289; Feb. 6.
Measuring instrument. A. Guinez. 2,189,245; Feb. 6.
Mechanism control. C. S. McCarthy. 2,189,268; Feb. 6.
Memorandum device. H. M. Burt. 2,189,625; Feb. 6.
Metal bars into a unitary structure, Method and apparatus for twisting. P. Betzler. 2,189,646; Feb. 6.
Metal cleaning process. C. A. Vincent-Daviss. 2,188,930; Feb. 6.
Metal, Method and apparatus for reclaiming sheet. C. D. Crouse and J. F. Marshall. 2,189,578; Feb. 6.
Meters, Integrating X-ray dosage. L. T. Bourland. 2,189,623; Feb. 6.
Mineral mixtures, Mechanically separating. E. Bierbrauer. 2,189,698; Feb. 6.
Mixtures of substances, particularly coarse-grained mineral mixtures, Mechanical separation of. E. Bierbrauer. 2,189,124; Feb. 6.
Moisture content of lengths of material, Process and device for the determination and regulation of the. M. Siegenheim. 2,189,352; Feb. 6.
Mosaic electrode manufacture. J. S. Donal, Jr.. 2,189,340; Feb. 6.
Mosaic spider. J. E. King and V. R. Powell. 2,189,585; Feb. 6.
Motor: *See*—
Fluid pressure motor.
Motor and control mechanism, Press operating. C. S. Malott, Jr. 2,189,215; Feb. 6.
Motor mechanism. J. J. Thaisz. 2,189,258; Feb. 6.
Mounting: *See*—
Combination mounting. Gear mounting.
dresser Rubber mounting.
Mower, Lawn. T. C. Newton. 2,189,434; Feb. 6.
Mushroom mycelium, Growth of. B. B. Stoller. 2,189,303; Feb. 6.
Music note pitch teaching device. M. J. Fields and C. Zuercher. 2,189,350; Feb. 6.
Nitrogen bases, Fractionation of. J. R. Bailey and J. L. Meadows. 2,189,278; Feb. 6.
Nitrogenous base derivatives of ether derivatives, Organic. B. R. Harris. 2,189,397; Feb. 6.
Nitrogenous compounds. M. B. Katzman. 2,189,664; Feb. 6.
Nut cracking, grading, and kernel separating machine. V. L. Rodriguez. 2,189,678; Feb. 6.
Nut lock. J. W. Rief. 2,189,654; Feb. 6.
Nut or the like to the end of another member, Attaching a union. C. M. Carington. 2,189,056; Feb. 6.
Oil, Refining a mineral. F. W. Breth and M. Blumer. 2,189,128; Feb. 6.
Oil, Refining fuel. M. T. Carpenter. 2,189,196; Feb. 6.
Oil separator. S. Ziegler. 2,188,993; Feb. 6.
Oil to olefins, Decomposing. T. Nagel. 2,188,982; Feb. 6.
Oiler, Locomotive journal. J. P. Savage. 2,188,926; Feb. 6.
Oils, Treating mineral. M. R. Fenske and W. B. McCluer 2,189,647; Feb. 6.
Oils, Treatment of hydrocarbon. R. B. Day. 2,189,058; Feb. 6.
Opacifier. G. H. McIntyre, M. J. Bahnsen, and B. J. Sweo. 2,189,148; Feb. 6.
Opener, Automatic lock. F. P. Kamp. 2,189,346; Feb. 6.
Optical apparatus. H. G. Miller. 2,189,568; Feb. 6.
Optical system. K. Räntsch. 2,189,298; Feb. 6.
Ore, Apparatus for crushing or grinding. J. W. Bell. 2,189,441; Feb. 6.
Organic compounds, Manufacture of. G. Lord and G. Reeves. 2,189,012; Feb. 6.
Oven, Baking. J. V. Cook. 2,189,167; Feb. 6.
Oven rack. R. Burr. 2,189,240; Feb. 6.
Overfill preventer for storage batteries. C. W. Yelm. 2,189,158; Feb. 6.
Ozone control for precipitators. G. W. Penney.; 2,189,614
Pack, Fold. G. U. Lacroix. 2,189,608; Feb. 6.
Packer and linger hanger, Production. C. E. Burt and E. Graham, Jr. 2,189,701; Feb. 6.
Packet making and filling machine. H. L. Evans and G. I. Hohl. 2,189,729; Feb. 6.
Packing. E. M. Pfauser. 2,188,957; Feb. 6.
Pad: *See*—
Inking pad.
Painting machine for shingles. K. M. Leute and H. M. Lowry. 2,189,668; Feb. 6.
Pan assembly, Freezing. C. G. Harbordt. 2,189,446; Feb. 6.
Paper and sensitizing composition therefor, Light sensitive. G. A. Hinkel. 2,188,900; Feb. 6.
Paper feeding device. F. M. Carroll and J. H. Bakelaar. 2,189,025; Feb. 6.
Paper making machine. E. Gschwender and W. C. Bigelow. 2,189,518; Feb. 6.
Parts having telescopic engagement, Holding together. C. L. Wingard. 2,189,644; Feb. 6.
Pavement construction. H. N. Sandell. 2,189,437; Feb. 6.
Pen, Stylographic. A. E. Andrews and W. F. Johnson. 2,189,696; Feb. 6.
Pencil sharpening machine. E. S. Siggelko. 2,189,476; Feb. 6.
Perforating machine. H. Ruppert. 2,189,742; Feb. 6.
Perforator and counter, Keyboard. W. H. Eddy. 2,189,545; Feb. 6.
Petroleum, Method and apparatus for processing crude. D. G. Brandt. 2,189,191; Feb. 6.
Phonograph, Automatic. H. F. Maurer. 2,189,077; Feb. 6.
Photoelectric cell, Making a. C. W. Hewlett. 2,189,580; Feb. 6.
Photometer construction. O. W. Pineo. 2,189,270; Feb. 6.
Pickup and dumping vehicle. W. C. Anthony. 2,189,052; Feb. 6.
Picture frame. W. M. King. 2,189,521; Feb. 6.
Pie plate ring. J. Damon. 2,189,241; Feb. 6.
Pile and making the same, Reinforced. T. H. Hansen. 2,189,028; Feb. 6.
Pile and other fabrics, Cleaning. N. A. Jamgotch. 2,189,209; Feb. 6.
Pipe: *See*—
Smoking pipe.
Pipe, cigarette holder, and saliva trap, Combination smoking. J. G. Sciavolino. 2,189,616; Feb. 6.
Pipe cleaner. J. L. Younghusband. 2,189,556; Feb. 6.
Pipe cleaning element. E. Schaer. 2,188,959; Feb. 6.
Pipe connector, Automatic train. J. Robinson. 2,188,922; Feb. 6.
Pipe coupling. J. L. Morris. 2,189,350; Feb. 6.
Pipe joint. J. F. Köhnke. 2,189,070; Feb. 6.
Pipe reamer, Smoking. A. E. Collis. 2,189,543; Feb. 6.
Piston, Mud pump. E. E. Miller. 2,189,349; Feb. 6.
Plate rectifier and producing same, Dry. F. Brunke. 2,189,576; Feb. 6.
Plug: *See*—
Spark plug.
Plug connector. G. W. Potter. 2,189,251; Feb. 6.
Polychlorophenol salts, Tableted. K. R. Fox and I. Hatfield. 2,188,944; Feb. 6.
Polymer of dihydronaphthalene, Sulphurized. W. H. Kobbe. 2,189,468; Feb. 6.
Polysterene compositions. T. A. Kauppi, K. D. Bacon, and F. B. Smith. 2,188,903; Feb. 6.
Position-selecting device, Automatic. J. H. Pressley. 2,188,918; Feb. 6.
Post, Electrical binding. A. Hilado. 2,189,714; Feb. 6.
Post, Fence. W. B. Caldwell and E. F. Peters. 2,189,542; Feb. 6.
Post, Tool. J. E. Poorman. 2,188,917; Feb. 6.
Power level indicator. A. P. J. Boudreau. 2,189,660; Feb. 6.
Power-transmission system for electrically driven trains. W. Steinbauer, H. Kother, and P. Müller. 2,189,353; Feb. 6.
Press: *See*—
Hydraulic press.
Press for tapping attachment, Drill. H. G. Procunier. 2,189,152; Feb. 6.
Printer, Page. A. D. Eltzen. 2,188,896; Feb. 6.
Printing and punching machine. F. L. Fuller. 2,189,027; Feb. 6.
Printing mechanism. C. C. Smith and R. M. Johnson. 2,189,046; Feb. 6.
Printing mechanism for tabulating machines. R. E. Paris. 2,189,044; Feb. 6.
Printing plate and attaching means. J. Schmutz. 2,189,682; Feb. 6.
Printing telegraph apparatus. C. W. Burcky. 2,189,541; Feb. 6.

Printing telegraph apparatus. D. F. De Wolfe. 2,189,102; Feb. 6.
Printing transferring machine. A. W. Mills. 2,189,043; Feb. 6.
Projection apparatus. H. Mulch. 2,188,954; Feb. 6.
Proofer, Automatic overhead. B. A. Evans. 2,189,243; Feb. 6.
Propane and propylene from gas mixtures, Separation of. P. Feller. 2,189,062; Feb. 6.
Propulsion unit, Reversible. J. A. McGrew. 2,189,471; Feb. 6.
Protector: *See*—
Ear protector.
Proteins in liquor, Coagulating. C. O. Lavett. 2,188,908; Feb. 6.
Pruner or like tool, Hand. F. T. Lind. 2,189,211; Feb. 6.
Pulley assembly. O. Mitchell. 2,188,953; Feb. 6.
Pulverization system. M. Frisch. 2,189,312; Feb. 6.
Pump: *See*—
Carburetor accelerating pump. Fuel pump.
Centrifugal pump. Rotary pump.
Vacuum pump.
Punching and printing device. W. A. Ayres. 2,189,023; Feb. 6.
Rack: *See*—
Display rack. Oven rack.
Rack for refrigerator cars, Floor. V. E. Sisson. 2,189,385; Feb. 6.
Radiant energy, Method of and apparatus for sensing. D. H. Andrews. 2,189,122; Feb. 6.
Radio antenna construction. C. A. Upson. 2,189,155; Feb. 6.
Radio control, Remote. E. F. Bacon. 2,189,527; Feb. 6.
Radio goniometer. A. Gothe. 2,189,517; Feb. 6.
Radio receiver, Multiband. H. E. Thomas. 2,189,688; Feb. 6.
Radio receiver, Remotely controlled. L. M. Hershey. 2,189,287; Feb. 6.
Radio set. H. J. Tyzzer. 2,189,455; Feb. 6.
Rail flaw detector mechanism. G. L. Jones, W. M. Perry, and L. J. De Lanty. 2,189,112; Feb. 6.
Rail for industrial heating furnaces, Roller. H. H. Harris. 2,189,143; Feb. 6.
Razor, Safety. R. E. Thompson. 2,189,689; Feb. 6.
Reagents in countercurrent extraction, Application of. M. J. Proffitt. 2,188,919; Feb. 6.
Reamer. H. B. Book and R. A. Hanlin. 2,189,033; Feb. 6.
Reamer. M. D. Carleton. 2,189,032; Feb. 6.
Reamer. W. L. Childs. 2,189,039; Feb. 6.
Reamer. G. G. Harrington. 2,189,029–31; Feb. 6.
Reamer. G. G. Harrington. 2,189,034; Feb. 6.
Reamer. G. G. Harrington. 2,189,037; Feb. 6.
Reamer. K. E. Jones. 2,189,036; Feb. 6.
Reamer. K. E. Jones. 2,189,038; Feb. 6.
Reamer. K. E. Jones. 2,189,040; Feb. 6.
Reamer. H. L. Squires. 2,189,035; Feb. 6.
Receiver, Constant selectivity. R. A. Braden. 2,189,308; Feb. 6.
Receiver, Remote control. L. F. Curtis. 2,189,310; Feb. 6.
Receiver tuning control. D. E. Foster. 2,189,282; Feb. 6.
Receptacle: *See*—
Condiment receptacle.
Record printing plate for addressing machines. H. P. Elliott. 2,189,104; Feb. 6.
Rectifier elements, Method and device for cooling metallic dry. E. Siebert and W. Kafka. 2,189,617; Feb. 6.
Reduction products derived from dehydroandrosterone and producing the same. A. Butenandt. 2,189,130; Feb. 6.
Reel: *See*—
Film reel.
Refractories, Making. F. Richard. 2,188,921; Feb. 6.
Refrigerating apparatus. A. O. Grooms. 2,189,663; Feb. 6.
Refrigerating apparatus. A. A. Kucher. 2,189,494; Feb. 6.
Refrigerator. C. F. Belshaw. 2,189,390; Feb. 6.
Refrigerator top. R. E. Baker. 2,189,389; Feb. 6.
Register, Manifolding. C. W. Brenn. 2,189,724; Feb. 6.
Regulating apparatus. K. Saur. 2,189,475; Feb. 6.
Regulator: *See*—
Speed regulator.
Relay, Electric inductor. L. E. Wells. 2,189,597; Feb. 6.
Relay, High speed presetting. R. D. Evans. 2,189,630; Feb. 6.
Relief valve. W. D. Schanck. 2,189,084; Feb. 6.
Remote control. E. W. Gent. 2,189,548; Feb. 6.
Resin, Phenol-cellulose. L. E. Champer and L. M. Christensen. 2,189,133; Feb. 6.
Resin, Producing phenol-cellulose. L. E. Champer and L. M. Christensen. 2,189,132; Feb. 6.
Resinous products, Fractionating. P. D. Watson. 2,189,572; Feb. 6.
Resins of the urea-aldehyde condensation type and their solutions. B. N. Lougovoy. 2,189,737; Feb. 6.
Resistor. A. H. Fessler, K. Schwartzwalder, and R. W. Ehlers. 2,189,515; Feb. 6.
Ring: *See*—
Pie plate ring.
Riveting tool. J. Wegner. 2,189,573; Feb. 6.
Road machine. C. A. Gustafson. 2,189,286; Feb. 6.
Road machine. C. A. Gustafson. 2,189,344; Feb. 6.
Roaster, Wiener. H. H. Tolen. 2,189,047; Feb. 6.
Rod: *See*—
Ullage rod.
Roller arrangement, Track. D. B. Baker, C. R. Rogers, and W. O. Bechman. 2,189,160; Feb. 6.
Roller for printing presses, Vibrator. J. Levine. 2,189,073; Feb. 6.
Roller weight arrangement for drawing and spinning frames. J. Pilling. 2,189,368; Feb. 6.
Rotary can washer. N. J. Peters. 2,189,451; Feb. 6.
Rotary pump. A. M. Briggs. 2,189,356; Feb. 6.
Rotation indicating device. W. E. Wanner. 2,189,235; Feb. 6.
Rubber accelerator compositions. L. Meuser. 2,188,980; Feb. 6.
Rubber mounting. F. R. Eichner. 2,189,138; Feb. 6.
Rubber, Pitcher's. E. H. Love. 2,189,428; Feb. 6.
Rubber vulcanization. W. Scott. 2,189,717; Feb. 6.
Rubber vulcanization. G. W. Watt. 2,189,720; Feb. 6.
Salts of glucosides and preparing the same, Hydrogen ester. M. Bockmuhl and G. Ehrhart. 2,189,723; Feb. 6.
Sanctuary lamp. A. T. Candy, Jr. 2,189,746; Feb. 6.
Sand and gas trap. M. W. Russell and P. G. Miller. 2,189,272; Feb. 6.
Scale, Weighing. W. F. Stimpson and M. J. Lachance. 2,188,965; Feb. 6.
Scavenging of the cylinders of two-stroke-cycle internal combustion engines. W. Cull. 2,189,357; Feb. 6.
Scoop, Basting. K. Bird. 2,189,483; Feb. 6.
Scoreboard, Coin controlled. O. Klaus. 2,189,504; Feb. 6.
Scraper, Wheel. A. O. Schuman. 2,189,253; Feb. 6.
Screen and storm sash hanger. J. H. Meredith. 2,189,249; Feb. 6.
Seal and bearing, Combination fluid. R. Stevenson. 2,189,686; Feb. 6.
Seal, Fluid. R. Stevenson. 2,189,685; Feb. 6.
Seal, Tagging. E. Dietze. 2,189,026; Feb. 6.
Sealing device. J. A. Cerny. 2,189,197; Feb. 6.
Sealing device. L. F. Whitney. 2,188,990; Feb. 6.
Sealing mechanism for wrapping machines. T. Jensen. 2,189,069; Feb. 6.
Seam soldering machine for radiator headers. M. G. Boerger. 2,189,540; Feb. 6.
Seat: *See*—
Adjustable seat. Window seat.
Seat. C. L. Davis. 2,188,997; Feb. 6.
Seismograph blasting cap. J. P. Minton. 2,189,741; Feb. 6.
Self-aligning bearing. E. E. Prentice. 2,189,117; Feb. 6.
Separable interlocking fastener. G. H. C. Corner. 2,189,727; Feb. 6.
Separator: *See*—
Oil separator.
Sewage over a filter bed, Apparatus for distributing. J. F. Bolton. 2,189,513; Feb. 6.
Sewing machine, Blind stitch. C. W. Mueller. 2,189,433; Feb. 6.
Sewing machine, Label. E. Prazak. 2,189,045; Feb. 6.
Sewing machines and the like, Feed mechanism for. G. Sauer. 2,189,656–7; Feb. 6.
Sewing machines, Multiple looper means for. A. Kierner. 2,189,041; Feb. 6.
Sewing machines, Thread tensioning attachment for. H. H. Howell. 2,189,732; Feb. 6.
Shaft coupling. W. A. Brecht. 2,189,508; Feb. 6.
Sharpener, Blade. W. A. Russell. 2,189,474; Feb. 6.
Sheet severing mechanism. M. Maul. 2,189,042; Feb. 6.
Sheeting and preparing the same, Highly flexible. C. J. Maim. 2,189,590; Feb. 6.
Shield, Ornament and button. A. Jacobs. 2,189,467; Feb. 6.
Shipping case, Folding. J. Liskin. 2,189,076; Feb. 6.
Shipping container, Book match. J. Cage. 2,189,055; Feb. 6.
Shoe, Antislipping. J. J. Fritz. 2,189,489; Feb. 6.
Shoes, Manufacture of. R. E. Hopkins. 2,188,977; Feb. 6.
Short wave generator. A. Helbig. 2,189,501; Feb. 6.
Shunt trip overload protective system. P. McShane. 2,189,591; Feb. 6.
Shut-off device, Sprinkler head. A. A. Poch. 2,189,523; Feb. 6.
Signal: *See*—
Vehicle signal.
Signal. J. H. Ishmael. 2,189,362; Feb. 6.
Signal coupling network. D. E. Foster. 2,189,063; Feb. 6.
Signal device. L. Rittenhouse. 2,189,181; Feb. 6.
Signal equipment, Service. S. A. Huebner. 2,188,948; Feb. 6.
Signal measuring system. S. B. Hughes. 2,189,111; Feb. 6.
Signal measuring system. J. J. Schluter. 2,189,119; Feb. 6.
Signal transmitting and receiving system. W. R. Koch. 2,189,316; Feb. 6.
Signal transmitting apparatus. L. Girardin. 2,189,171; Feb. 6.
Signaling cable, High frequency. F. Unterbusch. 2,189,090; Feb. 6.
Signaling system, Automatic railway. M. T. Wintsch. 2,188,991; Feb. 6.
Skate and blade, Removable. P. Adonizio. 2,188,971; Feb. 6.

Skimmer, Paint. S. B. Jones. 2,189,565; Feb. 6.
Slide, Playground. P. D. Travers. 2,189,691; Feb. 6.
Slug casting machine. H. T. Sundstrom and C. A. Stopple. 2,188,988; Feb. 6.
Slug casting machine and matrix therefor, Typographical. H. Ellis. 2,188,999; Feb. 6.
Smoke cooling device. H. G. Sprinkel. 2,189,684; Feb. 6.
Smoking pipe. G. E. Strandt. 2,188,966; Feb. 6.
Snap fastener. E. Jordan. 2,188,950; Feb. 6.
Snow remover. A. F. Werner. 2,188,989; Feb. 6.
Soaking pit cover. G. M. Croft. 2,189,280; Feb. 6.
Soda asphalt, Treating. S. Kön and M. Tournadre. 2,189,379; Feb. 6.
Sodium aluminum sulphate, Making. R. S. Park. 2,189,179; Feb. 6.
Solders, Manufacture aand production of hard. A. R. Powell. 2,189,640; Feb. 6.
Sorting machine. J. W. Bryce. 2,189,024; Feb. 6.
Sound reproducing apparatus and a wiring circuit therefor. R. E. Bowley. 2,189,161; Feb. 6.
Spacing apparatus. H. J. Criner. 2,189,109; Feb. 6.
Spark plug. E. B. Nowosielski. 2,189,435; Feb. 6.
Speed drive system, Variable. G. T. Pfleger. 2,189,295; Feb. 6.
Speed regulator. C. R. Hanna. 2,189,633; Feb. 6.
Speed transmission, Centrifugally controlled variable. D. Heyer. 2,189,288; Feb. 6.
Speed transmission device, Variable. G. T. Pfleger. 2,189,294; Feb. 6.
Splint, Ambulatory. M. Bryant. 2,189,053; Feb. 6.
Spokes to steering wheel hubs, Anchoring. H. A. Husted. 2,189,005; Feb. 6.
Spring Unit, Nonharmonic load supporting. C. J. Holland. 2,189,208; Feb. 6.
Springing, Independent. J. W. Leighton. 2,188,910; Feb. 6.
Springing, Individual. J. W. Leighton. 2,188,952; Feb. 6.
Stand: *See*—
Christmas tree stand.
Stand and heater. R. W. Christofferson. 2,189,165; Feb. 6.
Starting system for internal combustion engines or the like. J. S. Kauffman. 2,188,902; Feb. 6.
Station selector. A. H. Turner. 2,189,304; Feb. 6.
Steam boiler. J. E. Brantly. 2,189,443; Feb. 6.
Stencil printing machine. J. Kessel. 2,189,007; Feb. 6.
Stepladder. H. T. Moore and F. F. W. Perrott. 2,189,432; Feb. 6.
Stereoscopic viewing device. W. B. Gruber. 2,189,285; Feb. 6.
Sterilizer. R. E. Bitner. 2,189,270; Feb. 6.
Stoker, Locomotive. C. J. Surdy. 2,189,718; Feb. 6.
Stoker mechanism. J. W. Myers. 2,189,401; Feb. 6.
Stop. R. W. Storrs, Jr. 2,189,274; Feb. 6.
Strip, Awning. E. J. Miller. 2,189,507; Feb. 6.
Strip, Connector. F. R. Eichner. 2,189,137; Feb. 6.
Support: *See*—
Base support. Tubing support.
Support and bracket, Detachable fixture. R. S. Sanford. 2,189,153; Feb. 6.
Support for boots or the like. C. E. Montague. 2,189,366; Feb. 6.
Swatter, Fly. E. W. Haviland. 2,189,360; Feb. 6.
Swing, Rotary. J. Brewster, Senior. 2,189,239; Feb. 6.
Switch: *See*—
Float switch.
Switch mechanism. W. I. Ballentine. 2,189,440; Feb. 6.
Sylvinite ores, Flotation process for. A. J. Weinig. 2,188,932; Feb. 6.
Sylvinite ores, Flotation treatment of. A. J. Weinig. 2,188,933; Feb. 6.
Synchronism indicating and control system. R. N. Stoddard. 2,189,596; Feb. 6.
Table: *See*—
Foldable lap table.
Table for automobiles. G. A. Krischke. 2,189,607; Feb. 6.
Tampon. V. E. Robinson. 2,188,923; Feb. 6.
Tank control, Flush. E. E. Hillegas. 2,189,345; Feb. 6.
Telephone system, Automatic. C. E. Lomax and P. Bakker. 2,189,400; Feb. 6.
Television receiver. A. Karolus. 2,189,315; Feb. 6.
Television transmission. F. Schröter. 2,189,351; Feb. 6.
Temperature regulating system. W. L. McGrath. 2,189,381; Feb. 6.
Templet. A. P. Stewart. 2,189,154; Feb. 6.
Tensiometer, Fluid-pressure operated. G. P. Lessmann. 2,189,609; Feb. 6.
Tension rolling means. T. Sendzimir. 2,189,329; Feb. 6.
Textile and other materials, Treatment of. G. Rivat. 2,189,017; Feb. 6.
Thermal element, Reversed bimetallic. N. L. Derby. 2,189,459; Feb. 6.
Thermometer. H. H. Barker. 2,189,123; Feb. 6.
Thermometer and sterilizer therefor, Combined clinical. R. O. Faye and A. L. Draper. 2,189,061; Feb. 6.
Thermostat, Heavy duty snap-acting. E. K. Clark. 2,189,627; Feb. 6.
Thimble, Rope. E. J. Mardis. 2,189,671; Feb. 6.
Thread or the like, Apparatus for drying or otherwise treating. A. H. Burkholder. 2,189,195; Feb. 6.
Thread or the like, Apparatus for handling. J. E. Andersson. 2,189,121; Feb. 6.
Tiling. C. L. Neumeister. 2,189,218; Feb. 6.
Tire cover. C. W. Ryerson. 2,189,182; Feb. 6.
Tire tool. F. E. Schultz. 2,189,683; Feb. 6.
Tongue protector device. R. J. Gunderson. 2,189,141; Feb. 6.
Tool: *See*—
Abrading tool. Machine tool.
Door opening tool. Riveting tool.
Handling tool. Tire tool.
Tool. F. Stone. 2,189,452; Feb. 6.
Tool for wells, Testing. H. E. Dripps and H. Rauser. 2,189,103; Feb. 6.
Tooth brush, Mechanically operated. T. Seifried. 2,189,408; Feb. 6.
Torpedo. R. A. Hunter. 2,189,398; Feb. 6.
Towing reach for automobiles. J. Fried. 2,189,393; Feb. 6.
Toy, Cut-out. R. B. Higgins. 2,189,550; Feb. 6.
Toy parachute. J. Schmalz. 2,189,085; Feb. 6.
Tractor and implement unit. R. G. Le Tourneau. 2,188,072; Feb. 6.
Trailer construction. J. Gaussoin. 2,189,170; Feb. 6.
Trailer draft mechanism. A. G. S. Sherman. 2,189,183; Feb. 6.
Trailer hitch, Four-wheel. L. C. Struensee. 2,189,453; Feb. 6.
Transmission system. J. O. Edson. 2,189,546; Feb. 6.
Transmitter. H. E. Hollmann. 2,189,584; Feb. 6.
Transporting apparatus. J. W. Lewis. 2,189,010; Feb. 6.
Trap: *See*—
Sand and gas trap.
Tray. W. E. Mack. 2,189,611; Feb. 6.
Truck. W. W. Tripp and R. H. Kale. 2,189,089; Feb. 6.
Truck, Railway car. M. P. Blomberg. 2,189,125; Feb. 6.
Tube: *See*—
Discharge tube. Vacuum tube.
Electron multiplier tube. Vapor electric tube.
Finned tube.
Tube and the like, Cathode-ray. R. M. Bowie. 2,189,261; Feb. 6.
Tube and the like, Electron discharge. M. A. Acheson and R. McClintock. 2,189,200; Feb. 6.
Tube construction, Diode oscillator. P. T. Farnsworth. 2,189,358; Feb. 6.
Tube for automobile tires, Safety inner. W. Van Buren and N. Jones. 2,189,692; Feb. 6.
Tube for measuring voltages. L. Sutherlin. 2,189,620; Feb. 6.
Tube oscillator, Vacuum. D. Pasma. 2,189,402; Feb. 6.
Tubing support. C. C. Brown. 2,189,575; Feb. 6.
Tuning indicator circuit. W. van B. Roberts. 2,189,300; Feb. 6.
Type and mechanism therefor, Setting. J. L. Weigand. 2,189,539; Feb. 6.
Typewriter. C. Wittenmyer. 2,188,935; Feb. 6.
Typewriting machine. W. A. Dobson. 2,189,060; Feb. 6.
Typewriting machine. W. F. Helmond. 2,189,066; Feb. 6.
Ullage rod. O. Watson. 2,189,236; Feb. 6.
Underwater connector. R. Temple, Jr. 2,189,439; Feb. 6.
Upholstery forming apparatus. C. W. Avery and A. H. Haberstump. 2,188,995; Feb. 6.
Vacuum breaker. E. W. Work. 2,189,694; Feb. 6.
Vacuum pump, Double acting. A. M. Babitch. 2,189,526; Feb. 6.
Vacuum tube, Hot cathode. F. W. Lyle. 2,189,638; Feb. 6.
Valve: *See*—
Control valve. Flush tank valve.
Drain valve. Relief valve.
Valve. C. E. Bridwell. 2,189,129; Feb. 6.
Valve circuit, Electric. W. W. Moe. 2,189,569; Feb. 6.
Valve for controlling landing gear of aircraft. C. E. Weaver. 2,189,094; Feb. 6.
Valve mechanism. G. A. Long. 2,189,427; Feb. 6.
Valve mechanism, Dust screen. P. B. Hoge. 2,189,361; Feb. 6.
Valve stem. J. C. Crowley. 2,189,485; Feb. 6.
Vapor electric device. W. E. Pakala. 2,189,612; Feb. 6.
Vapor electric tube. J. Slepian and L. R. Ludwig. 2,189,618; Feb. 6.
Vehicle: *See*—
Pickup and dumping vehicle.
Vehicle and door operating means therefor, Dumping E. L. Tranaas and G. L. Omon. 2,189,186; Feb. 6.
Vehicle body. R. S. Roberts. 2,189,406; Feb. 6.
Vehicle running gear. G. R. Goin. 2,189,204; Feb. 6.
Vehicle signal, Automatic. N. Bender. 2,189,528; Feb. 6.
Vehicle towing connector. J. Kries. 2,189,667; Feb. 6.
Vehicle transmission, Motor. O. Hacker. 2,189,109; Feb. 6.
Velocipede construction. S. A. Snell. 2,189,232; Feb. 6.
Vending machine. B. E. Mills. 2,189,740; Feb. 6.
Veneer, Patching. V. E. Anderson. 2,189,277; Feb. 6.
Ventilating device. F. J. Kurth. 2,189,008; Feb. 6.
Ventilating device for automobile bodies. J. Esposito. 2,189,000; Feb. 6.
Ventilator, air diffused, and the like. N. F. Johnston. 2,189,502; Feb. 6.
Vermin killers, Production of. A. Esch. 2,189,730; Feb. 6.
Vibration isolator. J. J. Coyne. 2,189,708; Feb. 6.
Vise, Saw trimmer. W. Hertler. 2,188,976; Feb. 6.

Voltage recording device. R. K. Honaman and L. K. Swart. 2,189,110; Feb. 6.
Washer: *See*—
Rotary can washer.
Washer and sterilizer, Bottle. L. A. Lallement. 2,189,586; Feb. 6.
Watch movement. H. Theibaud. 2,189,334; Feb. 6.
Water heater. D. M. Hart. 2,189,490; Feb. 6.
Web material to cigarette tipping apparatus and other machines, Feeding of. G. Dearsley. 2,189,059; Feb. 6.
Wedge, Automobile wheel. A. S. Noonan. 2,189,323; Feb. 6.
Weight recorder. H. A. Raphael. 2,189,552; Feb. 6.
Welding apparatus, Electric. M. M. Lewbers. 2,189,399; Feb. 6.
Welding, Apparatus for use in. W. A. Black and F. M. Darner. 2,189,339; Feb. 6.
Welding, Method and apparatus for use in. G. W. Sower. 2,189,331; Feb. 6.
Welding process. E. F. Smith. 2,189,595; Feb. 6.
Welding system. G. E. King. 2,189,606; Feb. 6.
Well cementing mechanism. C. E. Burt. 2,189,702; Feb. 6.
Well production apparatus. C. E. Burt and E. Graham, Jr. 2,189,703; Feb. 6.
Wells, Developing. G. A. Zeidler, Jr. 2,188,936; Feb. 6.
Wheel: *See*—
Grinding wheel.
Wheel assembly, Steering-drive. H. W. Alden. 2,189,695; Feb. 6.
Wheel cover disk. G. A. Lyon. 2,188,911; Feb. 6.
Wheel hub construction. M. H. Frisbie. 2,189,464; Feb. 6.
Wheels, Apparatus for truing. J. Fried. 2,189,394; Feb. 6.
Window construction for aircraft cabins, Soundproof. S. J. Zand. 2,189,388; Feb. 6.
Window construction, Sash. E. E. Hall. 2,189,142; Feb. 6.
Window seat. J. Inzerillo. 2,189,520; Feb. 6.
Windshield or the like. R. V. Haley, A. J. Glazier, and C. Tietig. 2,189,465; Feb. 6.
Wire, Method of and apparatus for the production of coiled hanks of. D. G. Ashcroft. 2,189,557; Feb. 6.
Wood, Bending of. K. Michaëlis. 2,189,078; Feb. 6.
Wrap-around apparatus for knitting machines. H. Agulnek. 2,189,275; Feb. 6.
Wrapping machine, Continuous motion. E. L. Smith and C. Wetsel. 2,189,087; Feb. 6.
Wringer, Clothes. N. H. Watts. 2,189,747; Feb. 6.
Zein solution, Stable. R. E. Coleman. 2,188,895; Feb. 6.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 6, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 19: 2,188,978
2— 76: 2,189,332
96: 2,189,187
188: 2,189,677
192: 2,189,559
4— 57: 2,189,345
62: 2,189,479
187: 2,189,372
256: 2,188,960
5— 18: 2,189,188
2,189,328
69: 2,189,325
8— 64: 2,189,017
111: 2,189,378
10— 136: 2,189,422
139: 2,189,152
12— 129.1: 2,189,366
142: 2,188,977
15— 28: 2,189,408
104.06: 2,188,959
209: 2,189,209
16— 86: 2,189,048
96: 2,189,233
172: 2,189,249
17— 1: 2,189,141
11: 2,189,421
2,189,484
18— 19: 2,189,006
54: 2,189,481
55: 2,189,154
59: Re.21,342
19— 55: 2,189,690
84: 2,189,519
137: 2,189,368
20— 1: 2,189,496
20: 2,189,019
2,189,020
40.5: 2,189,465
49: 2,189,142
56: 2,189,138
56.5: 2,189,388
2,189,137
22— 80: 2,189,113
97: 2,188,915
23— 3: 2,189,250
100: 2,189,083
2,189,498
118: 2,189,179
143: 2,189,376
160: 2,189,363
248: 2,188,944
268: 2,188,919
24— 19: 2,189,172
33: 2,189,291
2,189,292
125: 2,189,671
193: 2,189,118
198: 2,189,574
205.5: 2,189,727
211: 2,188,950
25— 17: 2,188,964
30: 2,189,071
41: 2,189,290
156: 2,188,921
26— 55: 2,189,166
29— 46: Re.21,343
2,189,482
69: 2,188,976
78: 2,189,659
81: 2,189,578
157.3: 2,189,652
30— 59: 2,189,672
85: 2,189,689
101: 2,189,341
262: 2,189,211
279: 2,189,354
33— 75: 2,189,245
2,189,371
172: 2,189,631
174: 2,189,585
206: 2,189,516
215: 2,189,560
33— 220: 2,189,699
34— 5: 2,188,969
2,189,206
12: 2,189,120
17: 2,189,611
26: 2,189,430
29: 2,189,195
34: 2,189,099
35— 41: 2,189,592
63: 2,189,625
36— 7.6: 2,189,489
37— 5: 2,188,989
118: 2,189,222
126: 2,189,072
143: 2,189,745
156: 2,189,286
2,189,344
183: 2,189,065
38— 12: 2,189,228
31: 2,189,215
77: 2,189,709
40— 2: 2,188,981
2.2: 2,189,149
71: 2,189,285
130: 2,189,506
152: 2,189,521
42— 69: 2,189,202
43— 4: 2,189,478
32: 2,188,987
46: 2,189,487
89: 2,189,496
135: 2,189,360
45— 7: 2,189,177
46— 86: 2,189,085
157: 2,189,550
221: 2,189,464
47— 1.2: 2,189,510
48— 144: 2,189,022
49— 55: 2,188,927
56: 2,189,271
81: 2,189,293
92: 2,189,015
51— 95: 2,188,947
170: 2,188,972
2,189,246
187: 2,189,302
2,189,307
196: 2,189,472
236: 2,189,203
278: 2,189,259
280: 2,189,733
2,189,734
2,189,735
52— 2: 2,189,301
18: 2,189,398
53— 5: 2,189,047
6: 2,189,241
7: 2,189,200
56— 264: 2,188,961
294: 2,189,434
57— 71: 2,189,314
106: 2,189,257
58— 59: 2,189,334
60— 13: 2,189,106
16: 2,189,163
52: 2,188,956
54.5: 2,188,913
2,189,013
61— 54: 2,189,028
62— 1: 2,189,235
6: 2,189,390
19: 2,189,385
108.5: 2,189,446
116: 2,189,494
129: 2,188,967
140: 2,189,731
64— 11: 2,189,598
65— 13: 2,189,136
15: 2,189,450
28: 2,189,483
45: 2,189,454
61: 2,188,955
66— 42: 2,189,276
132: 2,189,492
135: 2,189,275
67— 69: 2,189,412
68— 235: 2,189,467
249: 2,189,747
70— 134: 2,189,712
279: 2,189,346
312: 2,189,342
71— 5: 2,189,303
44: 2,189,248
72— 25: 2,189,218
65: 2,189,108
98: 2,189,216
128: 2,188,938
136: 2,189,555
73— 51: 2,189,184
2,189,589
322: 2,189,236
332: 2,189,473
352: 2,189,123
74— 5: 2,189,375
10: 2,189,548
189.5: 2,189,537
230.8: 2,188,953
230.17: 2,189,288
2,189,294
2,189,295
233: 2,189,049
260: 2,189,220
297: 2,189,109
537: 2,189,268
552: 2,189,005
75— 109: 2,189,263
128: 2,189,131
135: 2,189,640
136: 2,188,983
137: 2,189,387
160: 2,189,198
172: 2,189,571
178: 2,189,054
76— 88: 2,189,474
77— 4: 2,188,941
2,189,604
33: Re.21,341
78— 48: 2,189,573
80— 32: 2,189,329
35: 2,189,609
82— 36: 2,188,917
40: 2,189,242
83— 9: 2,189,312
45: 2,189,441
94: 2,188,932
84— 376: 2,189,531
402: 2,189,695
456: 2,189,359
87— 9: 2,188,943
2,189,661
88— 1: 2,189,208
2,189,568
14: 2,189,270
17: 2,189,500
24: 2,188,896
2,188,954
2,189,374
2,189,577
90— 57: 2,188,990
91— 2: 2,189,214
53: 2,189,738
54.5: 2,189,551
55: 2,189,668
68: 2,188,901
92— 43: 2,189,518
93— 1: 2,189,562
2: 2,189,069
2,189,087
2,189,347
3: 2,189,729
35: 2,189,431
36: 2,188,916
51: 2,189,105
94— 18: 2,189,156
94— 18: 2,189,437
95— 2: 2,189,297
6: 2,189,264
2,188,900
38: 2,188,974
40: 2,189,223
97— 232: 2,189,707
244: 2,189,185
98— 2: 2,189,000
2,189,406
33: 2,189,008
40: 2,189,502
99— 8: 2,189,438
23: 2,189,144
57: 2,188,907
2,188,908
152: 2,189,512
101— 8: 2,189,637
19: 2,189,027
38: 2,188,912
57: 2,189,104
58: 2,189,115
93: 2,189,044
2,189,046
123: 2,189,067
119— 17: 2,189,449
56: 2,189,213
120— 4: 2,188,962
13: 2,189,561
44: 2,189,696
96: 2,189,476
121— 92: 2,189,088
139: 2,189,471
194: 2,189,600
122— 59: 2,189,442
149: 2,189,135
182: 2,189,365
250: 2,189,532
400: 2,189,443
123— 8: 2,189,728
123— 32: 2,189,082
56: 2,189,258
73: 2,189,357
103: 2,189,475
2,189,705
119: 2,189,162
2,189,219
169: 2,189,435
179: 2,188,902
126— 338: 2,189,240
362: 2,189,490
128— 62: 2,189,175
69: 2,189,693
87: 2,189,053
285: 2,188,923
300: 2,189,116
130— 9: 2,188,934
24: 2,189,706
131— 94: 2,188,998
184: 2,188,966
198: 2,189,684
211: 2,189,616
245: 2,189,556
246: 2,189,543
132— 9: 2,188,924
41: 2,189,505
45: 2,189,416
134— 12: 2,188,895
15: 2,189,530
79: 2,189,337
49: 2,189,429
136— 89: 2,189,580
125: 2,189,463
134: 2,189,327
164: 2,189,666
178: 2,189,158
137— 13: 2,189,466
18: 2,189,238
53: 2,189,084
68: 2,189,330
2,189,662
69: 2,189,694
104: 2,189,427
153: 2,189,511
138— 47: 2,189,207
89: 2,188,990
139— 49: 2,189,444
420: 2,189,370
140— 71: 2,188,906
2,189,557
149: 2,189,646
141— 7: 2,189,176
2,189,451
2,189,586
2,189,587
144— 256: 2,189,150
281: 2,189,277
309: 2,188,929
2,189,078
145— 119: 2,188,928
146— 153: 2,189,199
148— 8: 2,188,930
11.5: 2,189,064
150— 54: 2,189,182
2,189,407
151— 52: 2,189,654
152— 338: 2,189,692
341: 2,189,485
153— 1: 2,188,985
28: 2,189,004
32: 2,189,394
154— 16: 2,189,514
44: 2,189,409
155— 5: 2,189,366
14: 2,188,997
38: 2,189,256
156— 15: 2,189,525
2,189,567
157— 6: 2,189,683
158— 36.4: 2,189,658
164— 49: 2,188,904
2,189,042
164— 86: 2,189,086
89.5: 2,189,742
112: 2,189,545
166— 1: 2,189,103
12: 2,189,697
2,189,701
2,189,702
2,189,703
14: 2,189,575
19: 2,189,445
21: 2,188,936
167— 30: 2,188,951
2,189,570
41: 2,189,730
58: 2,189,564
169— 1: 2,189,523
2: 2,189,147
171— 34: 2,189,107
95: 2,189,311
2,189,620
118: 2,189,596
119: 2,189,507
2,189,606
209: 2,189,524
229: 2,189,289
2,189,603
172— 126: 2,189,700
179: 2,189,579
238: 2,189,509
239: 2,188,918
2,189,193
173— 259: 2,189,714
324: 2,189,622
330: 2,189,251
174— 11: 2,189,621
2,189,632
29: 2,189,090
2,189,091
31: 2,189,610
123: 2,189,395
175— 182: 2,189,377
183: 2,189,092
2,189,112
2,189,352
2,189,457
2,189,660
294: 2,189,591
2,189,630
336: 2,189,597
339: 2,189,178
355: 2,189,634
363: 2,189,546
366: 2,189,576
2,189,617
176— 1: 2,189,508
16: 2,188,945
26: 2,189,164
70: 2,189,605
177— 7: 2,189,181
311: 2,189,110
328: 2,189,581
329: 2,189,528
353: 2,189,001
380: 2,189,171
178— 4: 2,189,541
7.2: 2,189,351
7.5: 2,189,315
25: 2,189,102
44: 2,188,970
2,189,284
2,189,304
179— 1: 2,189,161
2,189,267
2,189,269
18: 2,189,400
171: 2,189,306
175.1: 2,189,111
2,189,119
185: 2,188,958
180— 43: 2,189,695
82: 2,189,748
181— 0.5: 2,189,741

181— 54: 2,189,423
2,189,424
2,189,425
183— 7: 2,189,614
25: 2,189,021
57: 2,189,361
67: 2,189,594
71: 2,189,704
75: 2,189,234
107: 2,188,993
188— 32: 2,189,323
46: 2,189,642
67: 2,189,244
79.5: 2,189,014
2,189,226
90: 2,189,189
106: 2,189,192
142: 2,189,335
152: 2,189,134
2,189,224
189— 29: 2,189,542
34: 2,189,126
35: 2,189,011
36: 2,189,159
192— .01: 2,189,225
.02: 2,189,558
3: 2,189,403
3.5: 2,189,679
2,189,680
2,189,681
68: 2,189,534
116.5: 2,189,051
129: 2,189,373
193— 35: 2,189,143
194— 10: 2,189,740
196— 10: 2,189,265
2,189,645
2,189,655
13: 2,189,647
36: 2,189,058
39: 2,189,196
49: 2,189,191
58: 2,189,016
94: 2,189,491
197— 9: 2,189,023
17: 2,188,935
27: 2,189,060
102: 2,189,066
133: 2,189,025
181: 2,189,649
198— 15: 2,189,074
145: 2,189,243
158: 2,189,168
199: 2,189,080
199— 47: 2,188,999
50: 2,188,988
54: 2,189,068
60: 2,189,097
200— 16: 2,189,190
59: 2,189,440
80: 2,189,633
82: 2,188,948

200— 83: 2,189,653
2,189,663
84: 2,189,456
114: 2,189,588
116: 2,188,949
131: 2,189,101
138: 2,189,627
201— 63: 2,189,231
76: 2,189,515
204— 19: 2,188,904
24: 2,189,279
206— 16.6: 2,189,061
29: 2,189,055
58: 2,189,533
207— 3: 2,189,414
2,189,415
209— 6: 2,189,711
18: 2,189,418
49: 2,189,124
2,189,696
109: 2,189,678
110: 2,189,024
166: 2,188,931
2,188,933
464: 2,189,419
210— 43: 2,189,272
149: 2,189,565
183: 2,189,458
211— 13: 2,189,254
31: 2,189,538
96: 2,189,626
212— 59: 2,189,212
67: 2,189,426
214— 65: 2,189,052
130: 2,189,716
215— 40: 2,188,942
2,188,946
216— 9: 2,189,296
55: 2,189,673
219— 6: 2,189,331
2,189,339
8: 2,189,326
2,189,399
10: 2,189,595
43: 2,189,165
44: 2,189,127
220— 41: 2,189,389
221— 60: 2,189,343
2,189,470
74: 2,189,643
130: 2,189,018
223— 69: 2,188,986
77: 2,189,650
224— 4: 2,189,096
225— 12: 2,189,448
40: 2,189,281
226— 86: 2,189,628
228— 15: 2,189,432
229— 5.7: 2,188,963
21: 2,189,436
23: 2,189,410
31: 2,189,151

229— 34: 2,189,602
53: 2,189,174
85: 2,189,273
87.5: 2,189,076
230— 56: 2,189,497
114: 2,189,252
163: 2,189,526
235— 85: 2,189,333
144: 2,189,392
236— 9: 2,189,381
2,189,382
69: Re.21,345
237— 78: 2,189,003
238— 243: 2,189,009
240— 2: 2,189,676
2.1: 2,189,535
6.46: 2,189,715
13: 2,189,746
241— 8: 2,189,413
242— 53: 2,188,905
2,189,121
70: 2,189,547
244— 102: 2,189,093
113: 2,189,553
246— 63: 2,188,991
248— 21: 2,189,708
46: 2,189,687
79: 2,189,364
176: 2,189,495
223: 2,189,153
350: 2,189,369
250— 1: 2,189,549
11: 2,189,283
2,189,517
14: 2,189,455
17: 2,189,584
20: 2,189,050
2,189,063
2,189,252
2,189,287
2,189,308
2,189,310
2,189,313
2,189,316
2,189,317
2,189,527
2,189,688
2,188,964
27: 2,189,601
27.5: 2,189,260
2,189,340
2,189,501
2,189,593
2,189,612
2,189,618
2,189,619
2,189,629
2,189,635
2,189,636
2,189,638
2,188,940
33: 2,189,155

250— 33: 2,189,309
36: 2,189,305
2,189,402
2,189,461
2,189,462
2,189,469
2,188,973
40: 2,189,300
41.5: 2,189,122
2,189,319
2,189,582
69: 2,189,299
83: 2,189,623
141: 2,189,261
153: 2,189,320
2,189,321
2,189,322
159: 2,189,583
174: 2,189,358
175: 2,189,318
251— 32: 2,189,324
94: 2,189,499
114: 2,189,129
254— 2: 2,189,010
67: 2,188,937
131: 2,189,480
145: 2,189,665
167: 2,189,447
255— 72: 2,189,057
73: 2,189,029
2,189,030
2,189,031
2,189,032
2,189,033
2,189,034
2,189,035
2,189,036
2,189,037
2,189,038
2,189,039
2,189,040
257— 9: 2,188,975
74: 2,189,146
137: 2,189,348
259— 10: 2,189,255
260— 10: 2,189,132
2,189,133
29: 2,189,737
36: 2,188,903
69: 2,189,563
78: 2,189,572
79: 2,189,468
93: 2,189,529
122: 2,189,380
159: 2,189,522
199: 2,189,262
210: 2,189,723
240: 2,189,599
276: 2,189,503
283: 2,189,278
286: 2,189,397
295: 2,189,404

260— 295: 2,189,648
2,189,664
329: 2,189,367
372: 2,189,509
378: 2,189,012
397: 2,189,130
2,188,914
463: 2,189,205
468: 2,189,721
2,189,722
504: 2,189,128
525: 2,189,726
563: 2,189,420
676: 2,189,062
680: 2,189,173
2,188,899
683: 2,188,982
684: 2,189,383
776: 2,188,980
787: 2,189,720
792: 2,189,717
800: 2,189,417
808: 2,189,411
809: 2,189,725
2,189,736
261— 35: 2,189,391
83: 2,189,230
262— 30: 2,189,670
33: 2,189,669
263— 10: 2,188,979
21: 2,189,194
42: 2,189,624
265— 1.6: 2,189,552
12: 2,188,992
13: 2,188,898
69: 2,188,965
266— 4: 2,189,460
23: 2,189,140
30: 2,188,920
267— 9: 2,189,208
20: 2,189,651
2,188,909
2,188,910
2,188,952
271— 2.4: 2,189,059
272— 33: 2,189,239
56.5: 2,189,691
80: 2,189,145
273— 25: 2,189,428
35: 2,189,613
152: 2,189,477
274— 10: 2,189,077
276— 1: 2,189,539
277— 56: 2,189,094
279— 16: 2,189,002
62: 2,189,068
280—11.17: 2,188,971
33.9: 2,189,183
33.14: 2,189,667
33.17: 2,189,710
33.55: 2,189,453
49: 2,189,089

280— 106: 2,189,139
2,189,719
123: 2,189,170
124: 2,189,204
158: 2,189,253
276: 2,188,968
281— 8: 2,189,504
25: Re.21,344
282— 3: 2,189,608
16: 2,189,724
285— 58: 2,188,922
122: 2,189,566
168: 2,189,644
182: 2,189,070
194: 2,189,350
286— 7: 2,189,685
11: 2,189,197
287—52.05: 2,189,100
54: 2,189,201
76: 2,189,452
90: 2,189,266
91: 2,189,056
290— 3: 2,189,353
292— 1: 2,189,227
169: 2,189,405
216: 2,189,274
326: 2,189,026
293— 55: 2,189,169
294— 19: 2,189,713
82: 2,189,393
297— 11: 2,189,459
298— 2: 2,189,079
35: 2,189,186
299— 67: 2,189,513
88: 2,189,229
301— 37: 2,188,911
2,189,743
2,189,744
125: 2,189,232
303— 6.1: 2,189,221
304— 24: 2,189,520
305— 9: 2,189,160
308— 26: 2,189,117
36.2: 2,189,686
50: 2,189,355
91: 2,188,926
203: 2,189,615
309— 23: 2,189,349
2,188,957
311— 21: 2,188,897
22: 2,189,607
25: 2,189,247
312— 36: 2,189,157
58: 2,189,493
64: 2,189,544
77: 2,189,641
121: 2,189,114

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,188,955: 65— 61
2,188,966: 131— 184
2,188,980: 260— 776
2,188,993: 183— 107
2,189,001: 177— 353
2,189,021: 183— 25
2,189,075: 110—105.5
2,189,086: 164— 86

2,189,094: 277— 56
2,189,122: 250— 41.5
2,189,202: 42— 69
2,189,236: 73— 322
2,189,268: 74— 537
2,189,272: 210— 43
2,189,281: 225— 40
2,189,289: 171— 229

2,189,291: 24— 33
2,189,315: 178— 7.5
2,189,318: 250— 175
2,189,319: 250— 41.5
2,189,322: 250— 153
2,189,324: 251— 32
2,189,357: 123— 73
2,189,367: 260— 329

2,189,368: 19— 137
2,189,390: 62— 6
2,189,401: 110—105.5
2,189,436: 229— 21
2,189,526: 230— 163
2,189,539: 276— 1
2,189,565: 210— 149
2,189,583: 250— 159

2,189,588: 200— 114
2,189,605: 176— 70
2,189,643: 221— 74
2,189,658: 158— 36.4
2,189,684: 131— 198
2,189,715: 240— 6.46
2,189,718: 110—105.5
2,189,720: 260— 787

2,189,721: 260— 468
2,189,722: 260— 468
2,189,727: 24—205.5
2,189,731: 62— 140

U. S. GOVERNMENT PRINTING OFFICE 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Allied Carbon and Ribbon Mfg. Corp., New York, N. Y. Carbon paper and typewriter ribbons. Serial No. 424,252; Feb. 13. Class 11.

Almarza, Candelario, doing business as New Blade Company, New York, N. Y. Safety razor blades. Serial No. 426,551; Feb. 13. Class 23.

American Spectacle Co., Inc., New York, N. Y. Spectacles and goggles and lenses therefor. Serial No. 426,552; Feb. 13. Class 26.

American Spectacle Co., Inc., New York, N. Y. Lenses for spectacles and goggles. Serial No. 426,553; Feb. 13. Class 26.

Amolite Corp., The, Akron, Ohio. Toilet seats. Serial No. 425,383; Feb. 13. Class 13.

Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Petroleum by-product. Serial No. 426,048; Feb. 13. Class 6.

B. I. C. Laboratories. (See Bromley, Charles T.)

Bardwell & McAlister, Inc., Los Angeles, Calif. Electrical arc lamps. Serial Nos. 425,726–7; Feb. 13. Class 21.

Behr-Manning Corporation, Troy, N. Y. Flexible abrasives, coated on cloth or paper, or both. Serial No. 408,872; Feb. 13. Class 4.

Berg, Max, doing business as Berg Manufacturing Company, Tulsa, Okla. Insecticides. Serial No. 419,789; Feb. 13. Class 6.

Best Blades Inc., Newark, N. J. Razor blades. Serial No. 426,520; Feb. 13. Class 23.

Bewley, Wm. W., doing business as Fun-Joys Company, Anderson, S. C. Antacid tablet. Serial No. 424,116; Feb. 13. Class 6.

Blish, Mize and Silliman Hardware Company, The, Atchison, Kans. Liquefied petroleum gas. Serial No. 423,845; Feb. 13. Class 6.

Boddie, Willie M., doing business as Health-Tol Products Co., Detroit, Mich. Tooth powder. Serial No. 426,431; Feb. 13. Class 6.

Bowman, Hyman D., doing business as Share-It Sales Service, Pittsburgh, Pa. Placards and posters. Serial No. 425,229; Feb. 13. Class 38.

Brite-Vue Products Co., Norwalk, Conn. Vehicle accessories. Serial No. 426,019; Feb. 13. Class 19.

Bromley, Charles T., doing business as B. I. C. Laboratories, and Bromley's Pharmacy, Cincinnati, Ohio. Alkaline laxative preparation. Serial No. 424,341; Feb. 13. Class 6.

Brown, Andrew, Company, Los Angeles, Calif. Enamel paint. Serial No. 425,268; Feb. 13. Class 16.

Burger, Joseph, New York, N. Y. Shoes, and insertible and adjustable height increasing elevators for shoes. Serial No. 419,711; Feb. 13. Class 39.

Busy Bee Candy Company, St. Louis, Mo. Individual cakes. Serial No. 414,621; Feb. 13. Class 46.

Call Ranch, doing business as A. F. Call Estate, Corona, Calif. Fresh citrus fruit. Serial No. 424,952; Feb. 13. Class 46.

Carbo-Fung Chemical Laboratory, Los Angeles, Calif. Germicide and antiseptic. Serial No. 426,357; Feb. 13. Class 6.

Casey, Paul S., doing business as Vitamineral Products Company, Peoria, Ill. Compound to be mixed with feed rations of animals. Serial No. 424,754; Feb. 13. Class 6.

Cliffs Dow Chemical Company, Marquette, Mich. Charcoal and activated carbon. Serial No. 422,925; Feb. 13. Class 6.

Cohen, Jos. S., & Sons Co., Inc., New York, N. Y. Frocks and dresses and hostess coats. Serial No. 425,328; Feb. 13. Class 39.

Colson Corporation, The, Elyria, Ohio. Bicycles. Serial No. 419,952; Feb. 13. Class 19.

Continental Oil Company, Ponca City, Okla. Map booklets. Serial No. 419,858; Feb. 13. Class 38.

Cooper's Incorporated, Kenosha, Wis. Men's underwear. Serial No. 426,398; Feb. 13. Class 39.

Cover, Harvey S., South Bend, Ind. Respirators. Serial No. 426,832; Feb. 13. Class 44.

David's Fifth Avenue Corporation, The, New York, N. Y. Ladies' handbags, pocketbooks, purses, etc. Serial No. 421,566; Feb. 13. Class 3.

Davidson & Sons Jlry. Co. Inc., New York, N. Y. Crosses, chains, knives, etc. Serial Nos. 424,159–60; Feb. 13. Class 28.

Dechau, Charles O., Warwick, R. I. Frames for ophthalmic lenses. Serial No. 426,021; Feb. 13. Class 26.

Dexter Laboratories. (See Osterweil, Jacob.)

Disney, Walt, Productions, Hollywood, Calif. Neckwear. Serial No. 425,954; Feb. 13. Class 39.

Dow Chemical Company, The, San Francisco, Calif. Ammonium sulfate, potassium, amyl xanthate, etc. Serial No. 424,620; Feb. 13. Class 6.

Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. High compression gasoline. Serial No. 411,681; Feb. 13. Class 15.

Edelstein, Gus., Bro. & Co., New York, N. Y. Hosiery. Serial No. 426,335; Feb. 13. Class 39.

Embalmers' Supply Company, The, Westport, Conn. Bags, cases, and grips. Serial No. 420,093; Feb. 13. Class 3.

Estate Stove Company, The, Hamilton, Ohio. Furnaces, heating stoves, circulating space heaters, etc. Serial No. 403,403; Feb. 13. Class 34.

Firestone Tire & Rubber Company, The, Akron, Ohio. Rubber substitute. Serial No. 426,403; Feb. 13. Class 1.

Foster Canning Co., Inc., The, Glendale, Long Island, and New York, N. Y. Animal food products. Serial No. 426,942; Feb. 13. Class 46.

Foster, Lorraine, New York, N. Y. Toilet preparation. Serial No. 424,872; Feb. 13. Class 6.

Frank, Harry, New York, N. Y. Dresses, and dress and jacket combinations. Serial No. 425,567; Feb. 13. Class 39.

Frosst, Charles E., & Co., Montreal, Quebec, Canada. Medicinal preparation. Serial No. 418,229; Feb. 13. Class 6.

Fun-Joys Company. (See Bewley, Wm. W.)

General Food Products Co. (See Safeway Stores, Inc.)

George, Ben B., doing business as Trice Food Products Company, Cincinnati, Ohio. Chocolate food product. Serial No. 425,886; Feb. 13. Class 46.

Glasgo Limited, Philadelphia, Pa. Bathing suits and sweaters. Serial No. 426,492; Feb. 13. Class 39.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Butter and eggs. Serial No. 426,352; Feb. 13. Class 46.

Greene, Marvin M., New York, N. Y. Perfume. Serial No. 425,518; Feb. 13. Class 6.

H & B American Machine Company, Pawtucket, R. I. Flyers for textile machinery. Serial No. 424,914; Feb. 13. Class 23.

Hartford Courant Company, The, Hartford, Conn. Newspaper column. Serial No. 426,090; Feb. 13. Class 38.

Health-Tol Products Co. (See Boddie, Willie M.)

Hearst Consolidated Publications, Baltimore, Md. Newspaper. Serial No. 426,336; Feb. 13. Class 38.

Hollingshead, R. M., Corporation, Camden, N. J. Automobile polish. Serial No. 426,091; Feb. 13. Class 16.

Hollis, Roy W., doing business as R. W. Hollis Sales Service, Martinsburg, W. Va. Fresh deciduous fruits. Serial No. 425,891; Feb. 13. Class 46.

House of Hollywood, Los Angeles, Calif. Cosmetics. Serial No. 422,855; Feb. 13. Class 6.

House of Hollywood, The, Los Angeles, Calif. Cosmetics and toilet preparations. Serial No. 426,199; Feb. 13. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Photographic chemicals. Serial No. 426,404; Feb. 13. Class 6.

Italian-American Retail Grocers Association, Paterson, N. J. Canned pork and beans, canned tomatoes, olive oil, etc. Serial No. 39,087; Feb. 13. Class 46.

Kelling Nut Co., The, Chicago, Ill. Nut meats. Serial No. 426,454; Feb. 13. Class 46.

Krasne, A., Inc., New York, N. Y. Canned vegetables. Serial No. 402,228; Feb. 13. Class 46.

Kremers Urban Company, Milwaukee, Wis. Therapeutic products. Serial No. 426,094; Feb. 13. Class 6.

Lido Luggage Co., Inc., New York, N. Y. Hand luggage. Serial No. 426,166; Feb. 13. Class 3.

Linen Thread Co., Inc., The, New York, N. Y. Shoe thread. Serial No. 424,921; Feb. 13. Class 43.

Loblaw Groceterias, Inc., Buffalo, N. Y. Wheat flour. Serial No. 425,702; Feb. 13. Class 46.

Loma Linda Food Co., Loma Linda, Calif. Gluten of wheat, seasoned with salt, yeast, and vegetable extracts. Serial No. 426,207; Feb. 13. Class 46.

Los Angeles Pharmacal Company. (See Salazar, Roberto.)

Ludlow-Saylor Wire Company, The, St. Louis, Mo. Screens. Serial No. 417,929; Feb. 13. Class 23.

Macfadden Publications, Inc., New York, N. Y. Magazine. Serial No. 421,520; Feb. 13. Class 38.

Maher Color & Chemical Co., Inc., Chicago, Ill. Bulk dye stuffs. Serial No. 426,101; Feb. 13. Class 6.

Maling, Roy. (See Solnit, Ben, assignor.)

Mann, S., Co., Inc., New York, N. Y. Ladies' coats and suits. Serial No. 426,138; Feb. 13. Class 39.

Mars Incorporated, Chicago, Ill. Candy. Serial No. 426,264; Feb. 13. Class 46.

McCrory Stores Corporation, New York, N. Y. Dry cell and flashlite batteries. Serial No. 426,411; Feb. 13. Class 21.

Milgrim, Iola, Philadelphia, Pa. Corsets and brassières. Serial No. 426,371; Feb. 13. Class 39.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Glycerine substitutes, interaction products of aldehydes and ketones, etc. Serial No. 425,159; Feb. 13. Class 6.

Munsingwear, Inc., Minneapolis, Minn. Men's underwear. Serial No. 426,372; Feb. 13. Class 39.
Mysterious Chemical Company, Inc., New York, N. Y. Powders and liquids for exterminating and control of vermin; insecticides, etc. Serial No. 426,627; Feb. 13. Class 6.
National Cash Register Company, The, Dayton, Ohio. Printing ink; ink pads; ink ribbons; etc. Serial Nos. 425,524–5; Feb. 13. Class 11.
New Blade Company. (See Almarza, Candelario.)
Nippon Dry Goods Co., San Francisco, Calif. Sashes, bolero jackets, and handkerchiefs. Serial No. 424,138; Feb. 13. Class 39.
O-N Drug Products Co. (See Owen, Cliff C.)
Ohio Cultivator Company, The, Bellevue, Ohio. Plows, cultivators, harrows, etc. Serial No. 426,574; Feb. 13. Class 23.
Osterweil, Jacob, doing business as Dexter Laboratories, New York, N. Y. Hemorrhoidal suppositories. Serial No. 424,928; Feb. 13. Class 6.
Owen, Cliff C., doing business as Owen Drug Co., and O-N Drug Products Co., Salisbury, N. C. Preparation for colds. Serial No. 425,252; Feb. 13. Class 6.
Pan American Products Corp., Newark, N. J. Chocolate malted milk. Serial No. 426,219; Feb. 13. Class 46.
Panizza, G., & Co., Chiffa, Italy. Hats for men. Serial No. 402,486; Feb. 13. Class 39.
Payson Publishing, Inc., New York, N. Y. Magazine. Serial No. 425,621; Feb. 13. Class 38.
Pier Equipment Manufacturing Co., Benton Harbor, Mich. Electrical welding equipment and automotive electrical equipment. Serial No. 424,973; Feb. 13. Class 21.
Pollak, Henry, Inc., New York, N. Y. Hats and hat bodies. Serial No. 421,353; Feb. 13. Class 39.
Procter & Gamble Company, The, Cincinnati, Ohio. Glycerine. Serial No. 426,068; Feb. 13. Class 6.
Rath Packing Company, The, Waterloo, Iowa. Bacon. Serial No. 426,225; Feb. 13. Class 46.
Rice, Breskin & Sandler, New York, N. Y. Panties, polo shirts, slips, etc. Serial No. 425,533; Feb. 13. Class 39.
Richards, William H., doing business as Veg-Acre Farms, Newport, R. I. Fresh vegetables. Serial No. 426,228; Feb. 13. Class 46.
Röhm & Haas Company, Philadelphia, Pa. Chemical compounds. Serial No. 421,052; Feb. 13. Class 6.
Rosenberg, William, Chicago, Ill. Lubricant in powdered form. Serial No. 421,583; Feb. 13. Class 15.
Rubenstein, D., New York, N. Y. Women's hats. Serial No. 425,256; Feb. 13. Class 39.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, Calif. Canned vegetables. Serial No. 426,005; Feb. 13. Class 46.
Salazar, Roberto, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif. Preparation used in the treatment of kidney disorders. Serial No. 424,605; Feb. 13. Class 6.
Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Saws, spades, rakes, etc. Serial No. 422,634; Feb. 13. Class 23.
Saprochi S. A., Geneva, Switzerland. Magnesite. Serial No. 421,354; Feb. 13. Class 6.
Sasso e Figli, P., Oneglia, Italy. Olive oil. Serial No. 397,383; Feb. 13. Class 6.
Schwab, Armand, & Co., Inc., New York, N. Y. Hat braids. Serial No. 426,318; Feb. 13. Class 40.
Selig Company, The, Atlanta, Ga. Cleansing preparation. Serial No. 425,429; Feb. 13. Class 4.
Sennewald Drug Company, Inc., St. Louis, Mo. Insecticides, rodenticides. Serial No. 426,230; Feb. 13. Class 6.
Share-It Sales Service. (See Bowman, Hyman D.)
Shuron Optical Company, Inc., Geneva, N. Y. Lenses for eyeglasses and spectacles. Serial No. 426,577; Feb. 13. Class 26.
Societe Nobel Francaise, Paris, France. Dressings for textile fabrics. Serial No. 425,259; Feb. 13. Class 6.
Solnit, Ben, doing business as Solnit Shoe Company, Los Angeles, Calif., assignor to Roy Maling, Everett, Mass. Shoes. Serial No. 425,935; Feb. 13. Class 39.
Sportowne Coat Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 425,936; Feb. 13. Class 39.
Stahl-Meyer, Inc., New York, N. Y. Meat specialty. Serial No. 424,608; Feb. 13. Class 46.
Straus, Alexander H., New York, N. Y. Protective masks for medical and surgical purposes. Serial No. 425,761; Feb. 13. Class 44.
Swetnam, Hobb, Company, Wichita Falls, Tex. Penetrating lubricating oil. Serial No. 420,651; Feb. 13. Class 15.
Taylor Optical, Inc., Detroit, Mich. Optical lenses. Serial No. 425,213; Feb. 13. Class 26.
Tennessee Corporation, New York, N. Y. Copper sulphates, sulphuric acid, manganese sulphate, etc. Serial No. 399,638; Feb. 13. Class 6.
Tornabene, Vincent, Chicago, Ill. Salve. Serial No. 422,386; Feb. 13. Class 6.
Town Hall, Inc., The, New York, N. Y. Leaflets, pamphlets, services, etc. Serial No. 423,960; Feb. 13. Class 38.
Trade Wind Foods, Inc., New York, N. Y. Desiccated cocoanut. Serial No. 422,958; Feb. 13. Class 46.
Trice Food Products Compay. (See George, Ben B.)
Trojan Hosiery Mills, Incorporated, Indianapolis, Ind. Hosiery. Serial No. 426,631; Feb. 13. Class 39.
United States Record Corporation, New York, N. Y. Phonograph records. Serial No. 422,225; Feb. 13. Class 36.
Universal Camera Corporation, New York, N. Y. Camera lens. Serial No. 425,539; Feb. 13. Class 26.
Veg-Acre Farms. (See Richards, William H.)
Virginia Shoe Company, Inc., Fredericksburg, Va. Shoes. Serial No. 420,193; Feb. 13. Class 39.
Vitamineral Products Company. (See Casey, Paul S.)
Weinlich-Hatheway, Inc., New York, N. Y. Sample or swatch carriers or folders of swatches or display books. Serial No. 426,236; Feb. 13. Class 3.
Welcome-Blessing Company, The, Eastman, Ga. Foot lotion. Serial No. 426,112; Feb. 13. Class 6.
Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. Serial No. 426,467; Feb. 13. Class 39.
Wenger, Georg, Corporation, New York, N. Y. Hand bags, Boston bags, bathing bags, etc. Serial No. 418,022; Feb. 13. Class 3.
White Laboratories, Inc., Newark, N. J. Preparation to aid digestion. Serial No. 426,386; Feb. 13. Class 6.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. Serial No. 425,768; Feb. 13. Class 21.
Willard Storage Battery Company, Cleveland, Ohio. Apparatus for measuring and checking the operation of electrical equipment and circuits of motor vehicles. Serial No. 425,770; Feb. 13. Class 26.
Winterstein, Helene, née Vierthaler, Vienna, Germany. Make-up preparation for eye-lashes. Serial No. 422,561; Feb. 13. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Achaia-Clauss Wine Company, Ltd., New York, N. Y. Wines. 375,164; Feb. 13; Serial No. 402,161; published Oct. 4, 1938. Class 47.
Acherman, Joseph, & Co., Monroe, Wis., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Cheese. 129,319; renewed Feb. 17, 1940.
Advance Polishing Wheels, Inc., Chicago, Ill. Buffs, buffing wheels, and polishing wheels. 375,286; Feb. 13; Serial No. 423,904; published Dec. 5, 1939. Class 4.
Aetna Shirt Company, Baltimore, Md. Dress shirts. 375,348; Feb. 13. Class 39.
Aicardi, James A., & Sons, assignor to James A. Aicardi & Sons, Inc., Boston, Mass. Prepared food products. 131,686; renewed May 25, 1940.
Allegretti, Joseph J., doing business as Fresno Food Products Co., Fresno, Calif. Sandwich spread. 375,284; Feb. 13; Serial No. 423,848; published Dec. 5, 1939. Class 46.
Allied Paper Bag Corporation, Baltimore, Md. Cellophane bags. 375,312; Feb. 13; Serial No. 424,286; published Dec. 5, 1939. Class 2.
American Dairies, Incorporated, Kansas City, Mo. Feed. 375,174; Feb. 13; Serial No. 411,116; published Dec. 5, 1939. Class 46.
American Lead Pencil Company, Hoboken, N. J. Pencils, penholders, erasers, etc. 375,207; Feb. 13; Serial No. 421,118; published Dec. 5, 1929. Class 37.
American-Marsh Pumps, Inc., Battle Creek, Mich. Homogenizing apparatus. 375,205; Feb. 13; Serial No. 421,061; published Dec. 5, 1939. Class 23.
Andersen-Smith Milling Co., San Francisco, Calif. Feeding stuffs. 375,293; Feb. 13; Serial No. 423,965; published Dec. 5, 1939. Class 46.
Arden, Elizabeth, Inc. (See Lewis, Florence N., assignor.)
Arkwright, Incorporated, New York, N. Y. Shirts. 375,353; Feb. 13. Class 39.
Armstrong Cork Company, Lancaster, Pa. Webs of cork composition for cigarette tipping purposes. 375,171; Feb. 13; Serial No. 410,627; published Dec. 5, 1939. Class 50.
Atlantic Calsomine Co., Inc., Brooklyn, N. Y. Mixed paint. 375,334; Feb. 13; Serial No. 424,615; published Dec. 5, 1939. Class 16.
Aunt Jemima Manufacturing Co., St. Joseph, Mo., assignor, by mesne assignments, to The Quaker Oats Company, Chicago, Ill. Self-rising flour. 17,825; re-renewed Apr. 29, 1940.
Automatic Canteen Company of America, Chicago, Ill. Chocolate, candies, candy bars, etc. 375,228; Feb. 13; Serial No. 422,884; published Nov. 28, 1939. Class 46.
Automatic Canteen Company of America, Chicago, Ill. Chocolate, candies, candy bars, etc. 375,229; Feb. 13; Serial No. 422,887; published Nov. 28, 1939. Class 46.

Automatic Draft & Stove Co. Inc., Lynchburg, Va. Heaters, circulators, brooder stoves, and hot water heaters. 375,369; Feb. 13. Class 34.
Barbuscia, Joseph, doing business as Palomar Olive Products Co., Fallbrook, Calif. Olive oil. 375,303; Feb. 13; Serial No. 424,191; published Dec. 5, 1939. Class 46.
Bardstown Distillery, Inc., Bardstown, Ky. Whiskey. 375,308; Feb. 13; Serial No. 424,254; published Nov. 28, 1939. Class 49.
Barletta Wine Company, Inc., New York, N. Y. Wines. 375,367; Feb. 13. Class 47.
Barton Belt Company, assignor to Barton Manufacturing Co., Waco, Tex., assignor, by mesne assignments, to Barton Manufacturing Company, St. Louis, Mo. Polish for leather goods. 131,931; renewed June 1, 1940.
Ben Mont Papers, Inc., Bennington, Vt. Waxed paper, Christmas wrapping paper, shelf paper, etc. 375,214; Feb. 13; Serial No. 421,633; published Dec. 5, 1939. Class 37.
Ben Mont Papers, Inc., Bennington, Vt. Waxed paper, Christmas wrapping paper, shelf papers, etc. 375,217; Feb. 13; Serial No. 421,841; published Dec. 5, 1939. Class 37.
Best & Co. Inc., New York, N. Y. Diaper bags. 375,210; Feb. 13; Serial No. 421,337; published Nov. 28, 1939. Class 2.
Blaisdell Pencil Company, Philadelphia, Pa. Lead-pencils, crayons, lumber-leads, etc. 130,263; renewed Apr. 20, 1940.
Bliss, E. W., Company, New York, N. Y. Hydraulic presses. 375,365; Feb. 13. Class 23.
Bloomingdale Bros., Inc., New York, N. Y. Negligees, housecoats, suits, and coats. 375,208; Feb. 13; Serial No. 421,122; published Nov. 7, 1939. Class 39.
Blum, D., & Co., Inc., New York, N. Y. Solvent for cleaning and removing stains from textile fabrics. 375,256; Feb. 13; Serial No. 423,489; published Nov. 28, 1939. Class 4.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile upholstery fabrics. 375,160; Feb. 13; Serial No. 391,373; published Dec. 5, 1939. Class 50.
Boeke, Howard F., doing business as State Sales Co., Des Moines, Iowa, assignor to Philip R. Park, Inc., San Pedro, Calif. Feeds. 375,197; Feb. 13; Serial No. 419,414; published Aug. 15, 1939. Class 46.
Bond Stores, Incorporated, New York, N. Y. Topcoats and overcoats. 375,279; Feb. 13; Serial No. 423,789; published Nov. 21, 1939. Class 39.
Bone Dry Fertilizer Company, Richmond, Va. Agricultural lime. 375,300; Feb. 13; Serial No. 424,154; published Nov. 28, 1939. Class 10.
Borden Company, The. (See Acherman, Joseph, & Co., assignor.)
Borden Company, The, New York, N. Y. Condensed milk. 128,931; renewed Jan. 20, 1940.
Bradley, Milton, Company, Springfield, Mass. Game of jackstraws. 131,045; renewed May 4, 1940.
Brown-McDonald Company, The, Hastings, Nebr. Suits, topcoats, and overcoats. 375,227; Feb. 13; Serial No. 422,852; published Nov. 7, 1939. Class 39.
Brunet, Maurice, Jr., doing business as Cito Co., New Orleans, La. Cleaning fluid for cleaning typewriter type, typewriters and parts thereof. 375,275; Feb. 13; Serial No. 423,752; published Dec. 5, 1939. Class 4.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill., to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling-balls. 132,902; renewed July 6, 1940.
Buchberg, Philip, Fur Corp., New York, N. Y. Fur coats. 375,345; Feb. 13. Class 39.
Byron Weston Company, Dalton, Mass. Writing-paper. 128,949; renewed Jan. 20, 1940.
Byron Weston Company, Dalton, Mass. Machine-bookkeeping paper. 130,990; renewed May 4, 1940.
California Container Corporation, Emeryville, Calif. Cartons and display packages and cut-out blanks for forming same. 375,187; Feb. 13; Serial No. 415,934; published Dec. 5, 1939. Class 2.
Campbell, A. S., Company, Boston, assignor, by mesne assignments, to A. S. Campbell Co., Inc., East Boston, Mass. Curtain-windows for vehicle and similar curtains. 131,965; renewed June 8, 1940.
Car-Mor Metal Company, Inc., The, Philadelphia, Pa. Babbitt metal. 375,333; Feb. 13; Serial No. 424,576; published Dec. 5, 1939. Class 14.
Celanese Corporation of America, New York, N. Y. Piece goods. 375,325; Feb. 13; Serial No. 424,467; published Nov. 28, 1939. Class 42.
Cement-Gun Company, Inc., Allentown, Pa., and New York, N. Y., assignor to Cement Gun Company, Allentown, Pa. Machines and parts thereof. 128,325; renewed Jan. 6, 1940.
Cities Service Oil Company. (See Crew, Levick Company.)
Cito Co. (See Brunet, Maurice, Jr.)
Chain Belt Company, Milwaukee, Wis. Iron and steel castings and forgings. 132,109; renewed June 15, 1940.
Chase Bag Company, New York, N. Y. Cloth bags. 375,204; Feb. 13; Serial No. 420,807; published Nov. 21, 1939. Class 2.
Chemical Paper Manufacturing Company, Holyoke, Mass. Writing and printing papers. 375,347; Feb. 13. Class 37.
Chicago Mail Order Company, Chicago, Ill. Women's hosiery. 375,230; Feb. 13; Serial No. 422,891; published Nov. 14, 1939. Class 39.
Chicago Rubber Clothing Company, Racine, Wis. Raincoats. 375,271; Feb. 13; Serial No. 423,693; published Nov. 21, 1939. Class 39.
Chipman Knitting Mills, Easton, to Chipman Knitting Mills, Spring Grove, Easton, Pa. Hosiery. 128,331; renewed Jan. 6, 1940.
Chipman Knitting Mills, Easton, to Chipman Knitting Mills, Spring Grove, Easton, Pa. Hosiery. 129,134; renewed Jan. 27, 1940.
Christiansburg Canning Co., Inc., Pulaski and Christianburg, Va. Canned fruits and canned vegetables, coffee, etc. 375,246; Feb. 13; Serial No. 423,205; published Nov. 7, 1939. Class 46.
Clamp Nail Company, Chicago, Ill. Metal miter fastening cleats. 375,166; Feb. 13; Serial No. 409,640; published Dec. 5, 1939. Class 13.
Cohen, M. & B., Co., New York, N. Y. Suits, overcoats, topcoats, etc. 375,177; Feb. 13; Serial No. 413,296; published Nov. 21, 1939. Class 39.
Cole, Harold E., doing business as W. M. Dizer & Company, Taunton, Mass. Typewriter paper. 375,323; Feb. 13; Serial No. 424,423; published Dec. 5, 1939. Class 37.
Colonna, J., also doing business as Italian Kitchen Food Products, North Bergen, N. J. Cheese. 375,260; Feb. 13; Serial No. 423,553; published Dec. 5, 1939. Class 46.
Colwell Cooperage Company, Inc., New York, N. Y. Receptacles and parts thereof. 128,337; renewed Jan. 6, 1940.
Commercial Molasses Corporation, New York, N. Y. Molasses for feeds. 375,342; Feb. 13. Class 46.
Compagnie Duval. (See Heine, Frederick W., assignor.)
Conmar Products Corporation, Bayonne, N. J. Slide fasteners. 375,306; Feb. 13; Serial No. 424,224; published Dec. 5, 1939. Class 13.
Connell, J. C., doing business as Rio Grande Citrus Distributors, Alamo, Tex. Fresh citrus fruits. 375,352; Feb. 13. Class 46.
Continental Mills, Inc., Philadelphia, Pa. Coats and suits, cloaks, etc. 375,173; Feb. 13; Serial No. 410,950; published Nov. 28, 1939. Class 39.
Cooke, Julia M., Norwalk, Conn. Pickles, sweet relish, sour relish, etc. 375,159; Feb. 13; Serial No. 388,915; published Nov. 21, 1939. Class 46.
Cooper, Jack, doing business as Jack Cooper's Reducycle Co., New York, N. Y. Sweat-cabinet and exercising apparatus. 132,919; renewed July 6, 1940.
Cory, Victor N., New York, N. Y. Olive oil. 375,240; Feb. 13; Serial No. 423,126; published Nov. 21, 1939. Class 46.
Country Club Ice Cream Company, Paterson, N. J. Ice cream. 375,268; Feb. 13; Serial No. 423,658; published Nov. 21, 1939. Class 46.
Cowles Detergent Company, The, Cleveland, Ohio. Detergent compound. 375,305; Feb. 13; Serial No. 424,217; published Dec. 5, 1939. Class 4.
Crescent Products Company. (See Jasmine Ink Corporation.)
Crew Levick Company, Philadelphia, Pa., now, by merger, to Cities Service Oil Company, New York, N. Y. Lubricating oils and greases. 129,346; renewed Feb. 17, 1940.
Cummins Distilleries Corporation, Louisville and Athertonville, Ky. Whiskies. 375,297; Feb. 13; Serial No. 424,034; published Dec. 5, 1939. Class 49.
Currick & Leiken Co. Inc., New York, N. Y. Sport jackets, sport suits, slacks, etc. 375,243; Feb. 13; Serial No. 423,163; published Nov. 14, 1939. Class 39.
Daily Coffee Service Inc., Cleveland, Ohio. Coffee. 375,265; Feb. 13; Serial No. 423,626; published Dec. 5, 1939. Class 46.
Daniels, Claude H., East Portchester, Greenwich, Conn. Hosiery. 375,276; Feb. 13; Serial No. 423,755; published Dec. 5, 1939. Class 39.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Preheaters. 375,219; Feb. 13; Serial No. 422,091; published Dec. 5, 1939. Class 21.
Diamond Corebit & Tool Co., Inc., New York, N. Y. Diamond drilling core bits and core crowns and diamond dressing tools, and parts thereof. 375,226; Feb. 13; Serial No. 422,774; published Dec. 5, 1939. Class 23.
Dictaphone Corporation, Bridgeport, Conn. Sound recorders forming parts of commercial phonographs. 375,309; Feb. 13; Serial No. 424,260; published Dec. 5, 1939. Class 36.
Dictograph Phoducts Company, Inc., New York, N. Y. Hearing aid devices and parts thereof. 375,185; Feb. 13; Serial No. 415,501; published Dec. 5, 1939. Class 44.
Dixie-Vortex Company. (See Individual Drinking Cup Company, Inc., assignor.)
Dizer, W. M., & Company. (See Cole, Harold E.)
Dorman Farms Co., Holtville, Calif. Fresh vegetables and melons. 375,188; Feb. 13; Serial No. 416,181; published Dec. 5, 1939. Class 46.

Dourde et Cie., to Maison Naudet, Dourde, Successor, S. A. R. L., Paris, France. Barometers. 129,150; renewed Jan. 27, 1940.
Du Pont, E. I., de Nemours Powder Company, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Powder. 129,684; renewed Mar. 9, 1940.
Eastman Kodak Company, Rochester, N. Y. Photographic cameras. 375,331; Feb. 13; Serial No. 424,541; published Dec. 5, 1939. Class 26.
Edelstein, Gus, Bro. & Co., New York, N. Y. Hosiery. 375,310; Feb. 13; Serial No. 424,262; published Dec. 5, 1939. Class 39.
Elmco Corporation, The, Salt Lake City, Utah. Motor tractors and parts thereof. 375,315; Feb. 13; Serial No. 424,348; published Dec. 5, 1939. Class 23.
Electric Controller & Mfg. Co., The, Cleveland, Ohio. Electric timing controllers. 375,191; Feb. 13; Serial No. 417,447; published Dec. 5, 1939. Class 21.
Escondido Orange Association, Escondido, Calif. Fresh citrus fruit. 375,336; Feb. 13; Serial No. 424,871; published Dec. 5, 1939. Class 46.
Essley Shirt Company, Inc., New York, N. Y. Sportswear for men and young men. 375,240; Feb. 13; Serial No. 423,258; published Nov. 7, 1939. Class 39.
Fair, The, Chicago, Ill. Men's and boys' clothing. 375,259; Feb. 13; Serial No. 423,526; published Nov. 28, 1939. Class 39.
Famous-Barr Co. (See May Department Stores Company, The.)
Ferro-Spun Corporation, Alexander City, Ala. Cast metal pipe. 375,343; Feb. 13. Class 13.
Fierst, Jay L., doing business as Jay-Eff Hosiery Co., New York, N. Y. Hosiery. 375,234; Feb. 13; Serial No. 423,020; published Nov. 28, 1939. Class 39.
Files, Clark J., doing business as Oh-My Chocolate Co., Toledo, Ohio. Chocolate milk and syrup therefor. 375,212; Feb. 13; Serial No. 421,426; published Dec. 5, 1939. Class 46.
Firestone Tire and Rubber Company, The, Akron, Ohio. Boots, overshoes, pacs, etc. 130,720; renewed May 4, 1940.
Fremont Canning Company, doing business as Gerber Products Company, Fremont, Mich. Canned vegetables, fruits, soups, etc. 375,175; Feb. 13; Serial No. 411,122; published Dec. 5, 1939. Class 46.
Fresno Food Products Co. (See Allegretti, Joseph J.)
Friez, Julien P., & Sons, Inc., Baltimore, Md. Recording instruments for recording altitude airspeed and acceleration on an aircraft. 375,338; Feb. 13. Class 26.
Galter, Jack, Chicago, Ill. Internal combustion motors. 375,311; Feb. 13; Serial No. 424,267; published Dec. 5, 1939. Class 23.
Geisha Robe Co., The, New York, N. Y. Negligees, robes, boleros, etc. 375,356; Feb. 13. Class 39.
General Mills, Inc., Minneapolis, Minn. Flour. 375,299; Feb. 13; Serial No. 424,083; published Nov. 28, 1939. Class 46.
Gerber Products Company. (See Fremont Canning Company.)
Goheen Manufacturing Company, The, Warren, Ohio, assignor, by mesne assignments, to Vita-Var Corporation, Newark, N. J. Paints and painters' materials. 129,460; renewed Feb. 24, 1940.
Graham, John H., & Co., Inc., New York, N. Y. Cotton cord and twine. 375,251; Feb. 13; Serial No. 423,301; published Nov. 21, 1939. Class 7.
Grant, W. T., Company, New York, N. Y. Shirts. 375,350; Feb. 13. Class 39.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Tea. 132,396; renewed June 22, 1940.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Baking-powder. 132,397; renewed June 22, 1940.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Baking-powder, soda, cream of tartar, etc. 132,691; renewed June 29, 1940.
Green & Gold Groves, Inc., Los Angeles, Calif. Fresh citrus fruits. 375,272; Feb. 13; Serial No. 423,699; published Nov. 21, 1939. Class 46.
Gulf Breeze Company, Incorporated, Dallas, Tex. Air conditioning gas heaters. 375,273; Feb. 13; Serial No. 423,700; published Dec. 5, 1939. Class 34.
H-C Products Company, Detroit, Mich. Deodorizing cleaner and a sterilizing cleaner. 375,162; Feb. 13; Serial No. 396,535; published Nov. 28, 1939. Class 4.
Haas, Adolph R., Inc., Chicago, Ill. Women's dresses. 375,349; Feb. 13. Class 39.
Hall, J. C., Company, Providence, R. I. Check books, safety paper checks, and negotiable instruments. 375,316; Feb. 13; Serial No. 424,353; published Dec. 5, 1939. Class 37.
Hamilton Autographic Register Co., The, Hamilton, Ohio. Manifolding paper. 375,213; Feb. 13; Serial No. 421,609; published Dec. 5, 1939. Class 37.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Undergarments. 375,346; Feb. 13. Class 39.
Hanover Food Products Company, Baltimore, Md. Vegetable shortening and oleomargarine. 375,266; Feb. 13; Serial No. 423,647; published Dec. 5, 1939. Class 46.
Hanover Food Products Company, Baltimore, Md. Vegetable shortening and oleomargarine. 375,267; Feb. 13; Serial No. 423,650; published Dec. 5, 1939. Class 46.
Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 375,295; Feb. 13; Serial No. 424,005; published Dec. 5, 1939. Class 39.
Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 375,296; Feb. 13; Serial No. 424,006; published Nov. 28, 1939. Class 39.
Heine, Frederick W., assignor to Compagnie Duval, New York, N. Y. Essential oils. 128,997; renewed Jan. 20, 1940.
Hirshey, Charles, Clothing Co., Baltimore, Md. Coats, vests, trousers, etc. 375,269; Feb. 13; Serial No. 423,663; published Nov. 21, 1939. Class 39.
Hobart Manufacturing Company, The, Troy, Ohio. Electrically-driven beating and mixing machines. 131,490; renewed May 18, 1940.
Holeproof Hosiery Co., Milwaukee, Wis. Underwear for women and misses. 375,236; Feb. 13; Serial No. 423,095; published Nov. 21, 1939. Class 39.
Holeproof Hosiery Co., Milwaukee, Wis. Bedjackets, nightgowns, pajamas, etc. 375,237; Feb. 13; Serial No. 423,096; published Nov. 21, 1939. Class 39.
Holeproof Hosiery Co., Milwaukee, Wis. Slips and underwear. 375,238; Feb. 13; Serial No. 423,097; published Nov. 21, 1939. Class 39.
Holeproof Hosiery Co., Milwaukee, Wis. Bedjackets and robes. 375,239; Feb. 13; Serial No. 423,098; published Nov. 21, 1939. Class 39.
Horlick, Wm., Jr., Racine, Wis. Malt beverage. 131,998; renewed June 8, 1940.
Horwitz, Albert, doing business as International Import Company, El Paso, Tex. Salted pumpkin seeds. 375,206; Feb. 13; Serial No. 421,086; published Nov. 28, 1939. Class 46.
Hudson, J. L., Company, The, Detroit, Mich. Men's overcoats. 375,291; Feb. 13; Serial No. 423,951; published Dec. 5, 1939. Class 39.
Hutchinson, A. W., Goulds, Fla. Fresh vegetables. 375,235; Feb. 13; Serial No. 423,061; published Dec. 5, 1939. Class 46.
Illinois Meat Company, Chicago, Ill. Canned pork loaf. 375,244; Feb. 13; Serial No. 423,169; published Nov. 28, 1939. Class 46.
Indian Head Products Co. (See Tripi, F. C. Co. Inc.)
Individual Drinking Cup Company, Inc., New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill., and Easton, Pa. Catamenial bandages. 130,762; renewed May 4, 1940.
Ingrassia & La Scala, Middletown, N. Y. Fresh celery, lettuce, and onions. 375,221; Feb. 13; Serial No. 422,629; published Dec. 5, 1939. Class 46.
International Business Machines Corporation. (See Radio Industries Corporation, assignor.)
International Import Company. (See Horwitz, Albert.)
International Latex Corporation, Dover, Del. Waterproof pants for babies. 375,218; Feb. 13; Serial No. 422,009; published Nov. 21, 1939. Class 39.
Interstate Bakeries Corporation. (See Schulze Baking Company, assignor.)
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 375,313; Feb. 13; Serial No. 424,307; published Dec. 5, 1939. Class 39.
Italian Kitchen Food Products. (See Colonna, J.)
Jasmine Ink Corporation, Norfolk, Va., to O. W. Pendergast, doing business as Crescent Products Company, Terre Haute, Ind., successor. Condensed ink. 131,506; renewed May 18, 1940.
Jay-Eff Hosiery Co. (See Fierst, Jay L.)
Jefferson Island Salt Company, Louisville, Ky. Salt. 375,170; Feb. 13; Serial No. 410,433; published Dec. 5, 1939. Class 46.
Joseph & Feiss Company, The, Cleveland, Ohio. Topcoats and overcoats. 375,241; Feb. 13; Serial No. 423,138; published Nov. 14, 1939. Class 39.
Karen, Kay, Inc., New York, N. Y. Dresses, house coats, sport dresses, and play suits. 375,231; Feb. 13; Serial No. 422,900; published Nov. 7, 1939. Class 39.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Clothing. 375,304; Feb. 13; Serial No. 424,200; published Dec. 5, 1939. Class 39.
Kennecott Wire and Cable Company, Phillipsdale, R. I. Wires, cables, and cordage. 375,168; Feb. 13; Serial No. 410,328; published Dec. 5, 1939. Class 21.
Kessler, Max H., Co., Atlanta, Ga. Infants' and children's underwear, and infants' wraps. 375,317; Feb. 13; Serial No. 424,358; published Dec. 5, 1939. Class 39.
Kiddies Pal, Inc., New York, N. Y. Children's dresses. 375,161; Feb. 13; Serial No. 395,671; published Nov. 7, 1939. Class 39.
Kitt, Homer L., Piano Company, Inc., Washington, D. C. Pianos, accordions, clarinets, etc. 375,368; Feb. 13. Class 36.
Knowles & Fleming, New Orleans, La. Green coffee. 375,330; Feb. 13; Serial No. 424,520; published Dec. 5, 1939. Class 46.
Lady Youth, Inc., New York, N. Y. Dresses. 375,261; Feb. 13; Serial No. 423,568; published Nov. 14, 1939. Class 39.

La Manna, Azema & Farnam, New York, N. Y. Canned mushrooms, bottled capers, canned olive oil, etc. 375,224; Feb. 13; Serial No. 422,704; published Nov. 21, 1939. Class 46.
Lanco Products Company, Brooklyn, N. Y. Floor wax. 375,209; Feb. 13; Serial No. 421,221; published Dec. 5, 1939. Class 16.
Leggett, Francis H., & Company, New York, N. Y. Canned sweet peas. 375,176; Feb. 13; Serial No. 412,769; published Feb. 7, 1939. Class 46.
Leindorf, Joseph P., doing business as Nature's Wonderland, New York, N. Y. Foods for fish. 375,287; Feb. 13; Serial No. 423,917; published Nov. 28, 1939. Class 46.
Leppke, Louis A., doing business as Western Glass Company, Omaha, Nebr. Glass convertible multiple piece lunch serving sets. 375,366; Feb. 13. Class 33.
Lewis, Florence N., assignor to Elizabeth Arden, Inc., New York, N. Y. Face-powders. 130,201; renewed Apr. 13, 1940.
Linco Products Corporation, Chicago, Ill. Cleanser. 375,270; Feb. 13; Serial No. 423,690; published Nov. 28, 1939. Class 4.
Lion Auto Parts & Mfg. Co., Chicago, Ill. Mufflers and diaphragms for fuel pumps for internal combustion engines. 375,337; Feb. 13. Class 23.
Lipschultz Bros., St. Paul, Minn. Pastry rolling pin jacket and pastry cloth, sold as a unit. 375,202; Feb. 13; Serial No. 420,536; published Dec. 5, 1939. Class 50.
Liquor Distributors of America, Inc., Newark, N. J. Port wine. 375,201; Feb. 13; Serial No. 420,329; published Dec. 5, 1939. Class 47.
Lombardi Mfg. Co., Hartford, Conn. Tailored sportswear dresses. 375,199; Feb. 13; Serial No. 420,107; published Nov. 21, 1939. Class 39.
Loose-Wiles Biscuit Company, Chicago, Ill. Cookies. 129,179; renewed Jan. 27, 1940.
Lorch Manufacturing Company, Dallas, Tex. Dresses, coats, and costume suits. 375,252; Feb. 13; Serial No. 423,307; published Nov. 21, 1939. Class 39.
Ludlow-Saylor Wire Company, The, St. Louis, Mo. Metal screens for use in screening devices. 375,354; Feb. 13. Class 23.
Macpherson, H. C., doing business as Macpherson & Company, San Francisco, Calif. Whiskey. 375,288; Feb. 13; Serial No. 423,919; published Dec. 5, 1939. Class 49.
Maison Naudet, Dourde, Successor, S. A. R. L. (See Dourde et Cie.)
Maniago, Ida., Waltham, Mass. Patterns for suits, coats, and dresses. 375,364; Feb. 13. Class 26.
Marcus, Joseph, New York, N. Y. Sweaters and sweat shirts. 375,178; Feb. 13; Serial No. 413,720; published Nov. 21, 1939. Class 39.
Marshall Farm, Inc., Fitchburg, Mass. Fresh deciduous fruit. 375,358; Feb. 13. Class 46.
Maurice Company, The, Cleveland, Ohio. Milk-chocolate. 130,821; renewed May 4, 1940.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Co., St. Louis, Mo. Dresses, jackets, skirts, etc. 375,292; Feb. 13; Serial No. 423,955; published Nov. 28, 1939. Class 39.
McDonald, Herman M., Chicago, Ill. Athletic shirts, shorts, and knitted underwear. 375,200; Feb. 13; Serial No. 420,181; published Nov. 21, 1939. Class 39.
McFall, Jesse L., doing business as Nan-C-Ets Co., St. Louis, Mo. Food supplement and mineral tonic for animals. 375,247; Feb. 13; Serial No. 423,224; published Nov. 28, 1939. Class 46.
McMahon, J. R., doing business as McMahon Company, Rapid City, S. Dak. Stock feeds. 375,211; Feb. 13; Serial No. 421,385; published Dec. 5, 1939. Class 46.
Merrell, William S., Company, The, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Compound and ointment of iodin and oil. 131,552; renewed May 18, 1940.
Metz, H. A., Laboratories, Inc., now by consolidation to Winthrop Chemical Company, Inc., New York, N. Y. Anesthetics. 131,346; renewed May 11, 1940.
Meyer, Fred, Inc., Portland, Oreg. Condiments. 375,194; Feb. 13; Serial No. 418,554; published Dec. 5, 1939. Class 46.
Monroe Calculating Machine Company, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating and adding machines. 129,029; renewed Jan. 20, 1940.
Moss Stores, Inc., San Francisco, Calif. Ladies' hosiery. 375,257; Feb. 13; Serial No. 423,506; published Nov. 14, 1939. Class 39.
Mount Airy Canning Co., The, Mount Airy, to The Mount Airy Canning Co., Preston, Md. Canned vegetables. 132,749; renewed June 29, 1940.
Nan-C-Ets-Co. (See McFall, Jesse L.)
National Blouse Corporation, New York, N. Y. Blouses and dresses. 375,351; Feb. 13. Class 39.
National Blouse Corporation, New York, N. Y. Blouses and dresses. 375,359; Feb. 13. Class 39.
National Lock Co., Rockford, Ill. Locks and keys. 375,280; Feb. 13; Serial No. 423,823; published Nov. 21, 1939. Class 25.
National Tube Company, Pittsburgh, Pa. Metal pipe-couplings, metal pipes, metal tubes, etc. 131,562; renewed May 18, 1940.
Nature's Wonderland. (See Leindorf, Joseph P.)
Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Blouses and skirts. 375,277; Feb. 13; Serial No. 423,773; published Nov. 21, 1939. Class 39.
New England Felt Roofing Works, Boston, Mass. Roofing products. 130,375; renewed Apr. 20, 1940.
New England Maple Syrup Co., The, Chelsea, Mass. Pure maple sap syrup. 375,242; Feb. 13; Serial No. 423,142; published Dec. 5, 1939. Class 46.
North and Judd Manufacturing Company, New Britain, Conn. Buckles. 129,304; renewed Feb. 10, 1940.
North Star Woolen Mill Company, Minneapolis, Minn. Garments. 375,294; Feb. 13; Serial No. 423,983; published Nov. 7, 1939. Class 39.
Northmont Hosiery Corporation, Reading, Pa. Hosiery. 375,232; Feb. 13; Serial No. 422,907; published Nov. 21, 1939. Class 39.
Nyal Company, Detroit, Mich. Hot water bottles, fountain syringes, and combination fountain syringes and hot water bottles. 375,318; Feb. 13; Serial No. 424,362; published Dec. 5, 1939. Class 44.
Ohio Provision Co., The, Cleveland, Ohio. Bacon. 375,254; Feb. 13; Serial No. 423,404; published Nov. 21, 1939. Class 46.
Oh-My Chocolate Co. (See Files, Clark J.)
Oneida Community, Limited, Oneida, now, by change of name to Oneida Ltd., Sherrill and Oneida, N. Y. Flatware plated with precious metal. 133,012; renewed July 6, 1940.
Orlandella, Anthony, doing business as A. Orlandella, Boston, Mass., and Lodi, Calif. Fresh fruits. 375,322; Feb. 13; Serial No. 424,406; published Dec. 5, 1939. Class 46.
Osborne Paper Company, Marion, Ind. Writing and printing papers, and writing-tablets. 132,768–9; renewed June 29, 1940.
Oshkosh B'Gosh, Inc., Oshkosh, Wis. Overalls. 375,363; Feb. 13. Class 39.
Oxford Filing Supply Co., Brooklyn, N. Y. Cards, folders, and sheets. 375,301; Feb. 13; Serial No. 424,178; published Dec. 5, 1939. Class 37.
Pagliarulo, John, Delano and Earlimart, Calif. Fresh grapes. 375,274; Feb. 13; Serial No. 423,709; published Nov. 21, 1939. Class 46.
Palomar Olive Products Co. (See Barbuscia, Joseph.)
Park, Philip R., Inc. (See Boeke, Howard F., assignor.)
Peerless Undergarment Co., New York, N. Y. Ladies' underwear. 375,319; Feb. 13; Serial No. 424,365; published Dec. 5, 1939. Class 39.
Pelican Products Company, New York, N. Y. Shoe polish. 375,186; Feb. 13; Serial No. 415,609; published Dec. 5, 1939. Class 4.
Pendergast, O. W. (See Jasmine Ink Corporation.)
Pet Milk Company, St. Louis, Mo. Powdered Skim Milk. 375,278; Feb. 13; Serial No. 423,775; published Dec. 5, 1939. Class 46.
Petroleum Heat and Power Company. (See Scheminger, John, Jr., assignor.)
Placerville Fruit Growers Association, Placerville, Calif. Fresh deciduous fruits. 375,362; Feb. 13. Class 46.
Prince, S. D., Co., Boston, Mass. Wearing apparel and furnishings. 375,192; Feb. 13; Serial No. 417,719; published Nov. 14, 1939. Class 39.
Proco Mfg. Co., San Francisco, Calif. Paper toilet seat covers and paper dispensers for same. 375,320; Feb. 13; Serial No. 424,368; published Dec. 5, 1939. Class 37.
Procter & Gamble Company, The, Cincinnati, Ohio. Cooking fat. 128,488; renewed Jan. 6, 1940.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 132,037; renewed June 8, 1940.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 132,228–9; renewed June 15, 1940.
Quaker Oats Company, The. (See Aunt Jemima Manufacturing Co., assignor.)
RCA Manufacturing Company, Inc., Camden and Harrison, N. J. Television apparatus. 375,326–7; Feb. 13; Serial Nos. 424,495–6; published Dec. 5, 1939. Class 21.
Radio Industries Corporation, assignor to International Business Machines Corporation, New York, N. Y. Electrical selecting and synchronizing apparatus. 375,158; Feb. 13; Serial No. 339,739; published Dec. 5, 1939. Class 21.
Raleigh Manufacturers Incorporated, New York, N. Y. Suits, overcoats, topcoats, etc. 375,253; Feb. 13; Serial No. 423,313; published Nov. 21, 1939. Class 39.
Reilly, Thomas P., Binghamton, N. Y. Plant fertilizer. 375,344; Feb. 13. Class 10.
Reliance Manufacturing Company, assignor to Reliance Manufacturing Company, Chicago, Ill. Work-shirts. 127,985; renewed Dec. 16, 1939.
Remington Rand Inc., Buffalo, N. Y. Electric dry shavers and parts thereof, and typewriting machines and parts thereof. 375,203; Feb. 13; Serial No. 420,599; published Dec. 5, 1939. Class 23.
Remington Rand Inc., Buffalo, N. Y. Carbon paper. 375,281; Feb. 13; Serial No. 423,829; published Nov. 21, 1939. Class 11.

Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons. 375,282; Feb. 13; Serial No. 423,830; published Nov. 21, 1939. Class 11.
Reymer & Brothers, Inc., Pittsburgh, Pa. Candy. 375,324; Feb. 13; Serial No. 424,441; published Dec. 5, 1939. Class 46.
Richardson Corporation, Rochester, N. Y. Crushed fruits, sundae toppings, flavoring extracts, etc. 375,339; Feb. 13. Class 46.
Rio Grande Citrus Distributors. (See Connell, J. C.)
Rocky Mount Cord Company, Incorporated, Rocky Mount, N. C. Braided cords. 375,335; Feb. 13; Serial No. 424,823; published Dec. 5, 1939. Class 7.
Royal Lace Paper Works, Brooklyn, N. Y. Shelf and wrapping paper. 375,289; Feb. 13; Serial No. 423,926; published Dec. 5, 1939. Class 37.
Rugaard, Oswald L., doing business as Rugaard Mfg. Co., Lawrence, Mass. Floor sanding machinery and parts thereof. 375,361; Feb. 13. Class 23.
Ryser, Frank, Co., Chicago, Ill. Cheese. 375,195; Feb. 13; Serial No. 418,652; published Nov. 21, 1939. Class 46.
Sagner, A., & Sons, Inc., Baltimore, Md. Suits. 375,258; Feb. 13; Serial No. 423,509; published Dec. 5, 1939. Class 39.
Schaefer, F. & M., Brewing Co., The, New York, to The F. & M. Schaefer Brewing Co., Brooklyn, N. Y. Soft drink. 132,513; renewed June 22, 1940.
Scheminger, John, Jr., Providence, R. I., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Hydrocarbon-burners. 131,897; renewed May 25, 1940.
Schulze Baking Company, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; and Des Moines, Iowa, assignor to Interstate Bakeries Corporation, Kansas City, Mo. Bakery sweet goods. 375,163; Feb. 13; Serial No. 397,727; published Dec. 5, 1939. Class 46.
Scull, William S., Company, Camden, N. J. Tea and rice. 132,802; renewed June 29, 1940.
Seaboard Seed Company, Philadelphia, Pa. Grass and clover seed. 375,290; Feb. 13; Serial No. 423,929; published Dec. 5, 1939. Class 1.
Seamless Rubber Company, Inc., The, New Haven, Conn. Adhesive tape. 375,302; Feb. 13; Serial No. 424,180; published Dec. 5, 1939. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Sensitized paper. 375,169; Feb. 13; Serial No. 410,410; published Dec. 5, 1939. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Garden tractors. 375,182; Feb. 13; Serial No. 414,896; published Dec. 5, 1939. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Razor blades. 375,183; Feb. 13; Serial No. 415,147; published May 9, 1939. Class 23.
Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats. 375,283; Feb. 13; Serial No. 423,835; published Nov. 28, 1939. Class 39.
Siegel, D., Co., New York, N. Y. Suits, top coats, overcoats, etc. 375,314; Feb. 13; Serial No. 424,323; published Dec. 5, 1939. Class 39.
Southern Clothing Manufacturers, Tampa, Fla. Shirts, pajamas, ensemble sets consisting of slacks and shirts, etc. 375,264; Feb. 13; Serial No. 423,611; published Nov. 14, 1939. Class 39.
Sports Vogue Inc., New York, N. Y. Dresses, skirts, blouses, etc. 375,189; Feb. 13; Serial No. 416,484; published Nov. 28, 1939. Class 39.
Squirrel Brand Co., Cambridge, Mass. Candies. 375,190; Feb. 13; Serial No. 417,186; published Nov. 28, 1939. Class 46.
Stahl-Urban Co., Terre Haute, Ind. Wash and sport trousers, summer sport coats and jackets, and shirts. 375,341; Feb. 13. Class 39.
Standard Varnish Works, New York, to Standard Varnish Works, Staten Island, N. Y. Paints and painters' materials. 132,253; renewed June 15, 1940.
State Sales Co. (See Boeke, Howard F.)
Stein-Hall Manufacturing Company, Wilmington, Del., and Chicago, Ill., to Stein, Hall Manufacturing Company, Chicago, Ill. Dextrinized starch product. 129,085; renewed Jan. 20, 1940.
Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. 375,179; Feb. 13; Serial No. 414,278; published Dec. 5, 1939. Class 39.
Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. 375,180; Feb. 13; Serial No. 414,279; published Nov. 28, 1939. Class 39.
Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats, suits. 375,181; Feb. 13; Serial No. 414,281; published Nov. 21, 1939. Class 39.
Sterling Stores Co., Inc., Little Rock, Ark. Hosiery. 375,184; Feb. 13; Serial No. 415,233; published Nov. 14, 1939. Class 39.
Stevenson, E. A., & Company, Wilmington, Del., and New York, N. Y., assignor to Wecoline Products, Inc., New York, N. Y. Cocoanut-butter. 128,532; renewed Jan. 6, 1940.
Steyr-Daimler-Puch Aktiengesellschaft, Steyr, Oberdonau, Germany. Firearms. 375,357; Feb. 13. Class 9.
Strutwear Knitting Company, Minneapolis, Minn. Hosiery and underwear. 375,225; Feb. 13; Serial No. 422,719; published Nov. 7, 1939. Class 39.
Strutwear Knitting Company, Minneapolis, Minn. Underwear for women and children. 375,255; Feb. 13; Serial No. 423,444; published Nov. 21, 1939. Class 39.
Suhler Waffenwerk, Gebrüder Merkel, Suhl, Thuringia, Germany. Shot guns and rifles. 375,193; Feb. 13; Serial No. 418,379; published Dec. 5, 1939. Class 9.
Sun Craft, Inc., New York, N. Y. Sport shirts, blouses, slacks, etc. 375,245; Feb. 13; Serial No. 423,182; published Nov. 7, 1939. Class 39.
Suppiger, G. S., Company, The, St. Louis, Mo. Canned pumpkin. 375,328; Feb. 13; Serial No. 424,503; published Dec. 5, 1939. Class 46.
Susquehanna Waist Company. (See Netzky, William.)
Sword, James, & Son, Limited, Glasgow, Scotland. Whisky. 375,222–3; Feb. 13; Serial Nos. 422,637–8; published Nov. 28, 1939. Class 49.
Tarr Pharmacal Co., assignor to Tarr Drug, Inc., Cleveland, Ohio. Tannic acid jelly for burns. 375,360; Feb. 13. Class 6.
Taylor, K., Distilling Co., Incorporated, Frankfort, Ky. Whiskey. 375,332; Feb. 13; Serial No. 424,567; published Nov. 28, 1939. Class 49.
Tribuno, M. P., New York, N. Y. Vermouth. 375,262; Feb. 13; Serial No. 423,577; published Dec. 5, 1939. Class 47.
Tripi, F. C., Co. Inc., also doing business as Indian Head Products Co., Buffalo, N. Y. Canned fruits, canned vegetables, and tomato juice. 375,172; Feb. 13; Serial No. 410,711; published Nov. 28, 1939. Class 46.
Trojan Hosiery Mills, Incorporated, Indianapolis, Ind. Silk hosiery. 375,250; Feb. 13; Serial No. 423,281; published Nov. 21, 1939. Class 39.
Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon and tuna. 375,248; Feb. 13; Serial No. 423,244; published Nov. 21, 1939. Class 46.
Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon and tuna. 375,263; Feb. 13; Serial No. 423,579; published Nov. 21, 1939. Class 46.
Universal Microphone Co., Ltd., Inglewood, Calif. Microphones, vacuum tube amplifiers, and parts and accessories. 375,215; Feb. 13; Serial No. 421,681; published Dec. 5, 1939. Class 21.
Valley Fruit Company. (See Weir, Roy.)
Van Cleef Bros., Chicago, Ill. Adhesive type tape. 375,165; Feb. 13; Serial No. 407,338; published Mar. 21, 1939. Class 37.
Vibramotor Co., The, Los Angeles, Calif. Human body vibrating machines. 375,198; Feb. 13; Serial No. 419,986; published Dec. 5, 1939. Class 44.
Viscol Company, The, Stamford, Conn. Treated leather. 375,307; Feb. 13; Serial No. 424,248; published Dec. 5, 1939. Class 1.
Viscol Company, The, Stamford, Conn. Soap for cleaning and polishing leather and fibrous materials. 375,329; Feb. 13; Serial No. 424,506; published Dec. 5, 1939. Class 4.
Vita-Var Corporation. (See Goheen Manufacturing Company, The, assignor.)
Walla Walla Gardener's Association, Walla Walla, Wash. Fresh onions. 130,981; renewed May 4, 1940.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods. 129,919; renewed Mar. 9, 1940.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Hosiery. 375,285; Feb. 13; Serial No. 423,900; published Nov. 28, 1939. Class 39.
Ward-Stilson Company, The, Anderson, Ind. Hosiery. 375,298; Feb. 13; Serial No. 424,071; published Dec. 5, 1939. Class 39.
Washington Packers, Inc., Sumner, Wash. Frozen fruits, berries, and vegetables. 375,167; Feb. 13; Serial No. 409,791; published Nov. 21, 1939. Class 46.
Wecoline Products, Inc. (See Stevenson, E. A., & Company, assignor.)
Wegner Canning Co., Inc., Sodus, N. Y. Canned fruits and vegetables. 375,220; Feb. 13; Serial No. 422,188; published Dec. 5, 1939. Class 46.
Weir, Roy, doing business as Valley Fruit Company, Pharr, Tex. Fresh citrus fruit. 375,340; Feb. 13. Class 46.
Western Glass Company. (See Leppke, Louis A.)
Whitehall Equipment Co., Inc., New York, N. Y. Draft regulating dampers, boiler auxiliary water sections, etc. 375,196; Feb. 13; Serial No. 418,909; published Dec. 5, 1939. Class 34.
Wickstrom-Bahr, Inc., Sioux Falls, S. Dak. Permanent waving pads. 375,321; Feb. 13; Serial No. 424,378; published Dec. 5, 1939. Class 44.
Winthrop Chemical Company, Inc. (See Metz, H. A., Laboratories, Inc.)
Wisconsin Canners' Co-Operative, Milwaukee, Wis. Canned vegetables. 375,355; Feb. 13. Class 46.
Wolf-Brown-Jones Corporation, New York, N. Y. Union suits, pajamas, nightgowns. 375,233; Feb. 13; Serial No. 422,920; published Nov. 14, 1939. Class 39.
Young Bros., New York, N. Y. Ladies' hosiery. 375,216; Feb. 13; Serial No. 421,722; published Nov. 21, 1939. Class 39.

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Coconut Cookies. For Coconut Cookies. 54,253; Feb. 13.
Faber, A. W., Inc., Newark, N. J. Eraser Stik. For Wood Encased Erasers in the Form of a Pencil. 54,254; Feb. 13.
Freihofer Baking Company, Philadelphia, Pa. Freihofer's Perfect Bread. For Bread. 54,255; Feb. 13.
Kemp, E. F., Inc., Somerville, Mass. Coffee Patties. For Chocolate Covered Coffee Creams. 54,256; Feb. 13.
Kemp, E. F., Inc., Somerville, Mass. Molasses Chips. For Molasses Chips. 54,257; Feb. 13.
Levitt, Benj., & Bros., New York, N. Y. Goodwear Tested Stockings by Levet. For Stockings. 54,258; Feb. 13.
National Importing Company, Boston, Mass. Ry-Thix. For Genuine Swedish Crisp-Bread. 54,259; Feb. 13.
Quaker Stretcher Company, Kenosha, Wis. Quaker Ball Point Stretcher. For Stretchers of the Type Commonly Referred to as Curtain Stretchers. 54,260; Feb. 13.
Reilly & Lee Company, The, doing business as Reilly & Lee, Chicago, Ill. The Wonderful Land of Oz Library. For Books. 54,261; Feb. 13.
Strax Mfg. Co., Oakland, Calif. Strax the Friend of the Feet. For a Preparation Useful in the Treatment of Minor Skin Irritations and Particularly for Athlete's Foot. 54,262; Feb. 13.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. "Black Leaf 40" Nicotine Sulphate. For Nicotine Sulphate. 54,263–6. Feb. 13.

LIST OF REGISTRANTS OF PRINTS

Anderson Company, The, Gary, Ind. Charge-Master. For Instruments, to Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. 17,832–3; Feb. 13.
Borden Company, The, New York, N. Y. Spicy, Old-Time Mince Pie. For Mince Meat. 17,834; Feb. 13.
General Pharmacal Company Inc., Louisville, Ky. A Clear, Clean, Sparkling Foot Comfort Lotion. For a Liquid Foot Comfort Lotion. 17,835; Feb. 13.
Quaker Stretcher Company, Kenosha, Wis. Again Quaker Leads With 2 New Features. For Stretchers of the Type Commonly Referred to as Curtain Stretchers. 17,836; Feb. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather, Treated. Viscol Company. 375,307; Feb. 13; Serial No. 424,248; published Dec. 5, 1939.
Seed, Grass and clover. Seaboard Seed Company. 375,290; Feb. 13; Serial No. 423,929; published Dec. 5, 1939.

CLASS 2

Bags, Cellophane. Allied Paper Bags Corporation. 375,312; Feb. 13; Serial No. 424,286; published Dec. 5, 1939.
Bags, Cloth. Chase Bag Company. 375,204; Feb. 13; Serial No. 420,807; published Nov. 21, 1939.
Bags, Diaper. Best & Co. Inc. 375,210; Feb. 13; Serial No. 421,337; published Nov. 28, 1939.
Cartons and display packages and cut-out blanks for forming same. California Container Corporation. 375,187; Feb. 13; Serial No. 415,934; published Dec. 5, 1939.
Receptacles and parts thereof. Colwell Cooperage Company. 128,337; renewed Jan. 6, 1940.

CLASS 4

Buffs, buffing wheels, and polishing wheels. Advance Polishing Wheels, Inc. 375,286; Feb. 13; Serial No. 423,904; published Dec. 5, 1939.
Cleaner and a sterilizing cleaner, Deodorizing, H-C Products Company. 375,162; Feb. 13; Serial No. 396,535; published Nov. 28, 1939.
Cleaning fluid for cleaning typewriter type, typewriters and parts thereof. M. Brunet, Jr. 375,275; Feb. 13; Serial No. 423,752; published Dec. 5, 1939.
Cleanser. Linco Products Corporation. 375,270; Feb. 13; Serial No. 423,690; published Nov. 28, 1939.
Detergent compound. Cowles Detergent Company. 375,305; Feb. 13; Serial No. 424,217; published Dec. 5, 1939.
Polish for leather goods. Barton Belt Company. 131,931; renewed June 1, 1940.
Polish, Shoe. Pelican Products Company. 375,186; Feb. 13; Serial No. 415,609; published Dec. 5, 1939.
Soap. Procter & Gamble Company. 132,037; renewed June 8, 1940.
Soap. Procter & Gamble Company. 132,228–9; renewed June 15, 1940.
Soap for cleaning and polishing leather and fibrous materials. Viscol Company. 375,329; Feb. 13; Serial No. 424,506; published Dec. 5, 1939.
Solvent for cleaning and removing stains from textile fabrics. D. Blum & Co. 375,256; Feb. 13; Serial No. 423,489; published Nov. 28, 1939.

CLASS 6

Anesthetics. H. A. Metz Laboratories, Inc. 131,346; renewed May 11, 1940.
Baking-powder, soda, cream of tartar, etc. Great Atlantic and Pacific Tea Company. 132,691; renewed June 29, 1940.
Compound and ointment of iodin and oil. William S. Merrell Company. 131,552; renewed May 18, 1940.
Oils, Essential. F. W. Heine. 128,997; renewed Jan. 20, 1940.
Powders, Face. F. N. Lewis. 130,201; renewed Apr. 13, 1940.
Tannic acid jelly for burns. Tarr Pharmacal Co. 375,360; Feb. 13.

CLASS 7

Cord and twine, Cotton. John H. Graham & Co. 375,251; Feb. 13; Serial No. 423,301; published Nov. 21, 1939.
Cords, Braided. Rocky Mount Cord Company. 375,335; Feb. 13; Serial No. 424,823; published Dec. 5, 1939.

CLASS 9

Firearms. Steyr-Daimler-Puch Aktiengesellschaft. 375,357; Feb. 13.
Guns and rifles, Shot. Suhler Waffenwerk, Gebrüder Merkel. 375,193; Feb. 13; Serial No. 418,379; published Dec. 5, 1939.
Powder. E. I. du Pont de Nemours Powder Company. 129,684; renewed Mar. 9, 1940.

CLASS 10

Fertilizer, Plant. Thos. P. Reilly. 375,344; Feb. 13.
Lime, Agricultural. Bone Dry Fertilizer Company. 375,300; Feb. 13; Serial No. 424,154; published Nov. 28, 1939.

CLASS 11

Carbon paper. Remington Rand Inc. 375,281; Feb. 13; Serial No. 423,829; published Nov. 21, 1939.
Ink, Condensed. Jasmine Ink Corporation. 131,506; renewed May 18, 1940.
Typewriter ribbons. Remington Rand Inc. 375,282; Feb. 13; Serial No. 423,830; published Nov. 21, 1939.

CLASS 12

Roofing products. New England Felt Roofing Works. 130,375; renewed Apr. 20, 1940.

CLASS 13

Cleats, Metal miter fastening. Clamp Mail Company. 375,166; Feb. 13; Serial No. 409,640; published Dec. 5, 1939.
Fasteners, Slide. Conmar Products Corporation. 375,306; Feb. 13; Serial No. 424,224; published Dec. 5, 1939.
Pipe, Cast metal. Ferro-Spun Corporation. 375,343; Feb. 13.
Pipe-couplings, metal pipes, metal tubes, etc., Metal. National Tube Company. 131,562; renewed May 18, 1940.

CLASS 14

Castings and forgings, Iron and steel. Chain Belt Company. 132,109; renewed June 15, 1940.
Metal, Babbitt. Car-Mor Metal Company. 375,333; Feb. 13; Serial No. 424,576; published Dec. 5, 1939.

CLASS 15

Oils and greases, Lubricating. Crew Levick Company. 129,346; renewed Feb. 17, 1940.

CLASS 16

Paint, Mixed. Atlantic Calsomine Co. 375,334; Feb. 13; Serial No. 424,615; published Dec. 5, 1939.
Paints and painters' materials. Goheen Manufacturing Company. 129,460; renewed Feb. 24, 1940.
Paints and painters' materials. Standard Varnish Works. 132,253; renewed June 15, 1940.
Wax, Floor. Lanco Products Company. 375,209; Feb. 13; Serial No. 421,221; published Dec. 5, 1939.

CLASS 19

Curtain windows for vehicle and similar curtains. A. S. Campbell Company. 131,965; renewed June 8, 1940.

CLASS 21

Beating and mixing machines, Electrically driven. Hobart Manufacturing Company. 131,490; renewed May 18, 1940.
Electrical selecting and synchronizing apparatus. Radio Industries Corporation. 375,158; Feb. 13; Serial So. 339,739; published Dec. 5, 1939.
Microphones, vacuum tube amplifiers, and parts and accessories. Universal Microphone Co. 375,215; Feb. 13; Serial No. 421,681; published Dec. 5, 1939.
Preheaters. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 375,219; Feb. 13; Serial No. 422,091; published Dec. 5, 1939.
Television apparatus. RCA Manufacturing Company. 375,326–7; Feb. 13; Serial No. 424,495–6; published Dec. 5, 1939.
Timing controllers, Electric. Electric Controller & Mfg. Co. 375,191; Feb. 13; Serial No. 417,447; published Dec. 5, 1939.
Wires, cables, and cordage. Kenecott Wire and Cable Company. 375,168; Feb. 13; Serial No. 410,328; published Dec. 5, 1939.

CLASS 22

Balls, Bowling. Brunswick-Balke-Collender Company. 132,902; renewed July 6, 1940.
Game of jackstraws. Milton Bradley Company. 131,045; renewed May 4, 1940.

CLASS 23

Bits and core crowns and diamond dressing tools, and parts thereof, Diamond drilling core. Diamond Corebit & Tool Co. 375,226; Feb. 13; Serial No. 422,774; published Dec. 5, 1939.
Floor sanding machinery and parts thereof. O. L. Rugaard. 375,361; Feb. 13.
Momogenizing apparatus. American-Marsh Pumps, Inc. 375,295; Feb. 13; Serial No. 421,061; published Dec. 5, 1939.
Machines and parts thereof. Cement-Gun Company. 128,325; renewed Jan. 6, 1940.
Motors, Internal combustion. J. Galter. 375,311; Feb. 13; Serial No. 424,267; published Dec. 5, 1939.
Mufflers and diaphragms for fuel pumps for internal combustion engines. Lion Auto Parts & Mfg. Co. 375,337; Feb. 13.
Presses, Hydraulic. E. W. Bliss Company. 375,365; Feb. 13.
Razor blades. Sears, Roebuck and Co. 375,183; Feb. 13; Serial No. 415,147; published May 9, 1939.
Screens for use in screening devices, Metal. Ludlow-Saylor Wire Company. 375,354; Feb. 13.
Shavers and parts thereof, and typewriting machines and parts thereof. Electric dry. Remington Rand Inc. 375,203; Feb. 13; Serial No. 420,599; published Dec. 5, 1939.
Tractors and parts thereof, Motor. Elmco Corporation. 375,315; Feb. 13; Serial No. 424,348; published Dec. 5, 1939.
Tractors, Garden. Sears, Roebuck and Co. 375,182; Feb. 13; Serial No. 414,896; published Dec. 5, 1939.

CLASS 25

Locks and keys. National Lock Co. 375,280; Feb. 13; Serial No. 423,823; published Nov. 21, 1939.

CLASS 26

Barometers. Dourde et Cie. 129,150; renewed Jan. 27, 1940.
Calculating and adding machines. Monroe Calculating Machine Company. 129,029; renewed Jan. 20, 1940.
Cameras, Photographic. Eastman Kodak Company. 375,331; Feb. 13; Serial No. 424,541; published Dec. 5, 1939.
Patterns for suits, coats, and dresses. I. Maniago. 375,364; Feb. 13.
Recording instruments for recording altitude, airspeed, and acceleration on an aircraft. Julien P. Friez & Sons, Inc. 375,338; Feb. 13.
Sensitized paper. Sears, Roebuck and Co. 375,169; Feb. 13; Serial No. 410,410; published Dec. 5, 1939.

CLASS 28

Flat-ware plated with precious metal. Oneida Community, Limited. 133,012; renewed July 6, 1940.

CLASS 33

Glass convertible multiple piece lunch serving sets. L. A. Leppke. 375,366; Feb. 13.

CLASS 34

Burners, Hydrocarbon. J. Scheminger, Jr. 131,897; renewed May 25, 1940.
Dampers, boiler auxiliary water sections, etc., Draft regulating. Whitehall Equipment Co. 375,196; Feb. 13; Serial No. 418,909; published Dec. 5, 1939.
Heaters, Air conditioning gas. Gulf Breeze Company. 375,273; Feb. 13; Serial No. 423,700; published Dec. 5, 1939.
Heaters, circulators, brooder stoves, and hot water heaters. Automatic Draft & Stove Co. Inc. 375,369; Feb. 13.

CLASS 36

Pianos, accordions, clarinets, etc. Homer L. Kitt Piano Company. 375,368; Feb. 13.
Sound recorders forming parts of commercial phonographs. Dictaphone Corporation. 375,309; Feb. 13; Serial No. 424,260; published Dec. 5, 1939.

CLASS 37

Cards, folders, and sheets. Oxford Filing Supply Co. 375,301; Feb. 13; Serial No. 424,178; published Dec. 5, 1939.
Check books, safety paper checks, and negotiable instruments. J. C. Hall Company. 375,316; Feb. 13; Serial No. 424,353; published Dec. 5, 1939.
Paper, Christmas wrapping paper, shelf paper, etc., Waxed. Ben Mont Papers, Inc. 375,214; Feb. 13; Serial No. 421,633; published Dec. 5, 1939.
Paper, Christmas wrapping paper, shelf papers, etc., Waxed. Ben Mont Papers, Inc. 375,217; Feb. 13; Serial No. 421,841; published Dec. 5, 1939.
Paper, Machine-bookkeeping. Byron Weston Company. 130,990; renewed May 4, 1940.
Paper, Manifolding. Hamilton Autographic Register Co. 375,213; Feb. 13; Serial No. 421,609; published Dec. 5, 1939.
Paper, Shelf and wrapping. Royal Lace Paper Works. 375,289; Feb. 13; Serial No. 423,926; published Dec. 5, 1939.
Paper toilet seat covers and paper dispensers for same. Proco Mfg. Co. 375,320; Feb. 13; Serial No. 424,368; published Dec. 5, 1939.
Paper, Typewriter. H. E. Hole. 375,323; Feb. 13; Serial No. 424,423; published Dec. 5, 1939.
Paper, Writing. Byron Weston Company. 128,949; renewed Jan. 20, 1940.
Papers, and writing-tablets, Writing and printing. Osborne Paper Company. 132,768–9; renewed June 29, 1940.
Papers, Writing and printing. Chemical Paper Manufacturing Company. 375,347; Feb. 13.
Pencils, crayons, lumber-leads, etc., Lead. Blaisdell Pencil Company. 130,263; renewed Apr. 20, 1940.
Pencils, penholders, erasers, etc. American Lead Pencil Company. 375,207; Feb. 13; Serial No. 421,118; published Dec. 5, 1939.
Tape, Adhesive type. Van Cleef Bros. 375,165; Feb. 13; Serial No. 407,338; published Mar. 21, 1939.

CLASS 39

Apparel and furnishings, Wearing. S. D. Prince Co. 375,192; Feb. 13; Serial No. 417,719; published Nov. 14, 1939.
Bedjackets and robes. Holeproof Hosiery Co. 375,239; Feb. 13; Serial No. 423,098; published Nov. 21, 1939.
Bedjackets, nightgowns, pajamas, etc. Holeproof Hosiery Co. 375,237; Feb. 13; Serial No. 423,096; published Nov. 21, 1939.
Blouses and dresses. National Blouse Corporation. 375,351; Feb. 13.
Blouses and dresses. National Blouse Corporation. 375,359; Feb. 13.
Blouses and skirts. W. Netzky. 375,277; Feb. 13; Serial No. 423,773; published Nov. 21, 1939.
Boots, overshoes, pacs, etc. Firestone Tire and Rubber Company. 130,720; renewed May 4, 1940.
Clothing. Kaufmann Department Stores, Inc. 375,304; Feb. 13; Serial No. 424,200; published Dec. 5, 1939.
Clothing, Men's and boys'. The Fair. 375,259; Feb. 13; Serial No. 423,526; published Nov. 28, 1939.
Coats and suits, cloaks, etc. Continental Mills, Inc. 375,173; Feb. 13; Serial No. 410,950; published Nov. 28, 1939.
Coats, Fur. Philip Buchberg Fur Corp. 375,345; Feb. 13.
Coats, suits, Ladies' and misses'. Joseph Stein Coats, Inc. 375,179; Feb. 13; Serial No. 414,278; published Dec. 5, 1939.
Coats, suits, Ladies' and misses'. Joseph Stein Coats, Inc. 375,180; Feb. 13; Serial No. 414,279; published Nov. 28, 1939.
Coats, suits, Ladies' and misses'. Joseph Stein Coats, Inc. 375,181; Feb. 13; Serial No. 414,281; published Nov. 21, 1939.
Coats, vests, trousers, etc. Charles Hirshey Clothing Co. 375,269; Feb. 13; Serial No. 423,663; published Nov. 21, 1939.
Dresses. Lady Youth, Inc. 375,261; Feb. 13; Serial No. 423,568; published Nov. 14, 1939.
Dresses, Children's. Kiddies Pal, Inc. 375,161; Feb. 13; Serial No. 395,671; published Nov. 7, 1939.
Dresses, coats, and costume suits. Lorch Manufacturing Company. 375,252; Feb. 13; Serial No. 423,307; published Nov. 21, 1939.
Dresses, house coats, sport dresses, and play suits. Kay Karen, Inc. 375,231; Feb. 13; Serial No. 422,900; published Nov. 7, 1939.
Dresses, jackets, skirts, etc. May Department Stores Company. 375,292; Feb. 13; Serial No. 423,955; published Nov. 28, 1939.
Dresses, skirts, blouses, etc. Sports Vogue Inc. 375,189; Feb. 13; Serial No. 416,484; published Nov. 28, 1939.
Dresses, Tailored sportswear. Lombardi Mfg. Co. 375,199; Feb. 13; Serial No. 420,107; published Nov. 21, 1939.
Dresses, Women's. Adolph R. Haas, Inc. 375,349; Feb. 13.
Garments. North Star Woolen Mill Company. 375,294; Feb. 13; Serial No. 423,983; published Nov. 7, 1939.

Hosiery. Chipman Knitting Mills. 128,331; renewed Jan. 6, 1940.
Hosiery. Chipman Knitting Mills. 129,134; renewed Jan. 27, 1940.
Hosiery. C. H. Daniels. 375,276; Feb. 13; Serial No. 423,755; published Dec. 5, 1939.
Hosiery. Gus Edelstein Bro. & Co. 375,310; Feb. 13; Serial No. 424,262; published Dec. 5, 1939.
Hosiery. J. L. Fierst. 375,234; Feb. 13; Serial No. 423,020; published Nov. 28, 1939.
Hosiery. Interwoven Stocking Company. 375,313; Feb. 13; Serial No. 424,307; published Dec. 5, 1939.
Hosiery. Northmont Hosiery Corporation. 375,232; Feb. 13; Serial No. 422,907; published Nov. 21, 1939.
Hosiery. Sterling Stores Co. 375,184; Feb. 13; Serial No. 415,233; published Nov. 14, 1939.
Hosiery. John Wanamaker Philadelphia. 375,285; Feb. 13; Serial No. 423,900; published Nov. 28, 1939.
Hosiery. Ward-Stilson Company. 375,298; Feb. 13; Serial No. 424,071; published Dec. 5, 1939.
Hosiery and underwear. Strutwear Knitting Company. 375,225; Feb. 13; Serial No. 422,719; published Nov. 7, 1939.
Hosiery, Ladies'. Moss Stores, Inc. 375,257; Feb. 13; Serial No. 423,506; published Nov. 14, 1939.
Hosiery, Ladies'. Young Bros. 375,216; Feb. 13; Serial No. 421,722; published Nov. 21, 1939.
Hosiery, Silk. Trojan Hosiery Mills, Incorporated. 375,250; Feb. 13; Serial No. 423,281; published Nov. 21, 1939.
Hosiery, Women's. Chicago Mail Order Company. 375,230; Feb. 13; Serial No. 422,891; published Nov. 14, 1939.
Jackets, sport suits, slacks, etc., Sport. Currick & Leiken Co. Inc. 375,243; Feb. 13; Serial No. 423,163; published Nov. 14, 1939.
Negligees, housecoats, suits, and coats. Bloomingdale Bros., Inc. 375,208; Feb. 13; Serial No. 421,122; published Nov. 7, 1939.
Negligees, robes, boleros, etc. Geisha Robe Co. 375,356; Feb. 13.
Overalls. Oshkosh B'Gosh, Inc. 375,363; Feb. 13.
Overcoats and topcoats. C. B. Shane Corporation. 375,283; Feb. 13; Serial No. 423,835; published Nov. 28, 1939.
Overcoats, Men's. J. L. Hudson Company. 375,291; Feb. 13; Serial No. 423,951; published Dec. 5, 1939.
Pants for babies, Waterproof. International Latex Corporation. 375,218; Feb. 13; Serial No. 422,009; published Nov. 21, 1939.
Raincoats. Chicago Rubber Clothing Company. 375,271; Feb. 13; Serial No. 423,693; published Nov. 21, 1939.
Shirts. Arkwright, Incorporated. 375,353; Feb. 13.
Shirts. W. T. Grant Company. 375,350; Feb. 13.
Shirts, blouses, slacks, etc., Sport. Sun Craft, Inc. 375,245; Feb. 13; Serial No. 423,182; published Nov. 7, 1939.
Shirts, Dress. Aetna Shirt Company. 375,348; Feb. 13.
Shirts, pajamas, ensemble sets consisting of slacks and shirts, etc. Southern Clothing Manufacturers. 375,264; Feb. 13; Serial No. 423,611; published Nov. 14. 1939.
Shirts, shorts, and knitted underwear, Athletic. H. M. McDonald. 375,200; Feb. 13; Serial No. 420,181; published Nov. 21, 1939.
Shirts, Work. Reliance Manufacturing Company. 127,985; renewed Dec. 16, 1939.
Slips and underwear. Holeproof Hosiery Co. 375,238; Feb. 13; Serial No. 423,097; published Nov. 21, 1939.
Sportswear for men and young men. Essley Shirt Company. 375,249; Feb. 13; Serial No. 423,258; published Nov. 7, 1939.
Suits. A. Sagner & Sons, Inc. 375,258; Feb. 13; Serial No. 423,509; published Dec. 5, 1939.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 375,295; Feb. 13; Serial No. 424,005; published Dec. 5, 1939.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 375,296; Feb. 13; Serial No. 424,006; published Nov. 28, 1939.
Suits, overcoats, topcoats, etc. M. & B. Cohen Co. 375,177; Feb. 13; Serial No. 413,296; published Nov. 21, 1939.
Suits, overcoats, topcoats, etc. Raleigh Manufacturers Incorporated. 375,253; Feb. 13; Serial No. 423,313; published Nov. 21, 1939.
Suits, pajamas, nightgowns, Union. Wolf-Brown-Jones Corporation. 375,233; Feb. 13; Serial No. 422,920; published Nov. 14, 1939.
Suits, topcoats and overcoats. Brown-McDonald Company. 375,227; Feb. 13; Serial No. 422,852; published Nov. 7, 1939.
Suits, top coats, overcoats, etc. D. Siegel Co. 375,314; Feb. 13; Serial No. 424,323; published Dec. 5, 1939.
Sweaters and sweat shirts. J. Marcus. 375,178; Feb. 13; Serial No. 413,720; published Nov. 21, 1939.
Topcoats and overcoats. Bond Stores, Incorporated. 375,279; Feb. 13; Serial No. 423,789; published Nov. 21, 1939.
Topcoats and overcoats. Joseph & Feiss Company. 375,241; Feb. 13; Serial No. 423,138; published Nov. 14, 1939.
Trousers, summer sport coats and jackets, and shirts, Wash and sport. Stahl-Urban Co. 375,341; Feb. 13.
Undergarments. P. H. Hanes Knitting Company. 375,346; Feb. 13.
Underwear, and infants' wraps, Infants' and children's. Max H. Kressler Co. 375,317; Feb. 13; Serial No. 424,358; published Dec. 5, 1939.
Underwear for women and children. Strutwear Knitting Company. 375,255; Feb. 13; Serial No. 423,444; published Nov. 21, 1939.
Underwear for women and misses. Holeproof Hosiery Co. 375,236; Feb. 13; Serial No. 423,095; published Nov. 21, 1939.
Underwear, Ladies'. Peerless Undergarment Co. 375,319; Feb. 13; Serial No. 424,365; published Dec. 5, 1939.

CLASS 40

Buckles. North and Judd Manufacturing Company. 129,304; renewed Feb. 10, 1940.

CLASS 42

Cotton piece goods. Wamsutta Mills. 129,919; renewed Mar. 9, 1940.
Piece goods. Celanese Corporation of America. 375,325; Feb. 13; Serial No. 424,467; published Nov. 28, 1939.

CLASS 44

Bottles, fountain syringes, and combination fountain syringes and hot water bottles, Hot water. Nyal Company. 375,318; Feb. 13; Serial No. 424,362; published Dec. 5, 1939.
Cabinet and exercising apparatus, Sweat. J. Cooper. 132,919; renewed July 6, 1940.
Catamenial bandages. Individual Drinking Cup Company. 130,762; renewed May 4, 1940.
Hearing aid devices and parts thereof. Dictograph Products Company. 375,185; Feb. 13; Serial No. 415,501; published Dec. 5, 1939.
Pads, Permanent waving. Wickstrom-Bahr, Inc. 375,321; Feb. 13; Serial No. 424,378; published Dec. 5, 1939.
Tape, Adhesive. Seamless Rubber Company. 375,302; Feb. 13; Serial No. 424,180; published Dec. 5, 1939.
Vibrating machines, Human body. Vibramotor Co. 375,198; Feb. 13; Serial No. 419,986; published Dec. 5, 1939.

CLASS 46

Bacon. Ohio Provision Co. 375,254; Feb. 13; Serial No. 423,404; published Nov. 21, 1939.
Bakery sweet goods. Schulze Baking Company. 375,163; Feb. 13; Serial No. 397,727; published Dec. 5, 1939.
Baking-powder. Great Atlantic and Pacific Tea Company. 132,397; renewed June 22, 1940.
Butter, Cocoanut. E. A. Stevenson & Company. 128,532; renewed Jan. 6, 1940.
Candies. Squirrel Brand Co. 375,190; Feb. 13; Serial No. 417,186; published Nov. 28, 1939.
Candy. Reymer & Brothers, Inc. 375,324; Feb. 13; Serial No. 424,441; published Dec. 5, 1939.
Canned fruits and canned vegetables, coffee, etc. Christiansburg Canning Co. 375,246; Feb. 13; Serial No. 423,205; published Nov. 7, 1939.
Canned fruits and vegetables. Wegner Canning Co. 375,220; Feb. 13; Serial No. 422,188; published Dec. 5, 1939.
Canned fruits, canned vegetables, and tomato juice. F. C. Tripi Co. Inc. 375,172; Feb. 13; Serial No. 410,711; published Nov. 28, 1939.
Canned mushrooms, bottled capers, canned olive oil, etc. La Manna, Azema & Farnam. 375,224; Feb. 13; Serial No. 422,704; published Nov. 21, 1939.
Canned pork loaf. Illinois Meat Company. 375,244; Feb. 13; Serial No. 423,169; published Nov. 28, 1939.
Canned pumpkin. G. S. Suppiger Company. 375,328; Feb. 13; Serial No. 424,503; published Dec. 5, 1939.
Canned salmon and tuna. Union Fishermen's Co-Operative Packing Co. 375,248; Feb. 13; Serial No. 423,244; published Nov. 21, 1939.
Canned salmon and tuna. Union Fishermen's Co-Operative Packing Co. 375,263; Feb. 13; Serial No. 423,579; published Nov. 21, 1939.
Canned sweet peas. Francis H. Liggett & Company. 375,176; Feb. 13; Serial No. 412,769; published Feb. 7, 1939.
Canned vegetables. Mount Airy Canning Co. 132,749; renewed June 29, 1940.
Canned vegetables. Wisconsin Canners' Co-Operative. 375,355; Feb. 13.
Canned vegetables, fruits, soups, etc. Fremont Canning Company. 375,175; Feb. 13; Serial No. 411,122; published Dec. 5, 1939.
Celery, lettuce, and onions, Fresh. Ingrassia & La Scala. 375,221; Feb. 13; Serial No. 422,629; published Dec. 5, 1939.
Cheese. Joseph Acherman & Co. 129,319; renewed Feb. 17, 1940.
Cheese. J. Colonna. 375,260; Feb. 13; Serial No. 423,553; published Dec. 5, 1939.
Cheese. Frank Ryser Co. 375,195; Feb. 13; Serial No. 418,652; published Nov. 21, 1939.
Chocolate, candies, candy bars, etc. Automatic Canteen Company of America. 375,228; Feb. 13; Serial No. 422,884; published Nov. 28, 1939.

Chocolate, candies, candy bars, etc. Automatic Canteen Company of America. 375,229; Feb. 13; Serial No. 422,887; published Nov. 28, 1939.
Chocolate, Milk. Maurice Company. 130,821; renewed May 4, 1940.
Coffee. Daily Coffee Service Inc. 375,265; Feb. 13; Serial No. 423,626; published Dec. 5, 1939.
Coffee, Green. Knowles & Fleming. 375,330; Feb. 13; Serial No. 424,520; published Dec. 5, 1939.
Condiments. Fred Meyer, Inc. 375,194; Feb. 13; Serial No. 418,554; published Dec. 5, 1939.
Cookies. Loose-Wiles Biscuit Company. 129,179; renewed Jan. 27, 1940.
Fat, Cooking. Procter & Gamble Company. 128,488; renewed Jan. 6, 1940.
Feed. American Dairies, Incorporated. 375,174; Feb. 13; Serial No. 411,116; published Dec. 5, 1939.
Feeding stuffs. Andersen-Smith Milling Co. 375,293; Feb. 13; Serial No. 423,965; published Dec. 5, 1939.
Feeds. H. F. Boeke. 375,197; Feb. 13; Serial No. 419,414; published Aug. 15, 1939.
Feeds, Stock. J. R. McMahon. 375,211; Feb. 13; Serial No. 421,385; published Dec. 5, 1939.
Flour. General Mills, Inc. 375,299; Feb. 13; Serial No. 424,083; published Nov. 28, 1939.
Flour, Self-rising. Aunt Jemima Manufacturing Co. 17,825; re-renewed Apr. 29, 1940.
Food products, Prepared. James A. Alcardi & Sons. 131,686; renewed May 25, 1940.
Food supplement and mineral tonic for animals. J. L. McFall. 375,247; Feb. 13; Serial No. 423,224; published Nov. 28, 1939.
Foods for fish. J. P. Leindorf. 375,287; Feb. 13; Serial No. 423,917; published Nov. 28, 1939.
Fruit, Fresh citrus. Escondido Orange Association. 375,336; Feb. 13; Serial No. 424,871; published Dec. 5, 1939.
Fruit, Fresh citrus. R. Weir. 375,340; Feb. 13.
Fruit, Fresh deciduous. Marshall Farm, Inc. 375,358; Feb. 13.
Fruits, berries, and vegetables, Frozen. Washington Packers, Inc. 375,167; Feb. 13; Serial No. 409,791; published Nov. 21, 1939.
Fruits, Fresh. A. Orlandella. 375,322; Feb. 13; Serial No. 424,406; published Dec. 5, 1939.
Fruits, Fresh citrus. J. C. Connell. 375,352; Feb. 13.
Fruits, Fresh citrus. Green & Gold Groves, Inc. 375,272; Feb. 13; Serial No. 423,699; published Nov. 21, 1939.
Fruits, Fresh deciduous. Placerville Fruit Growers Association. 375,362; Feb. 13.
Fruits, sundae toppings, flavoring extracts, etc., Crushed. Richardson Corporation. 375,339; Feb. 13.
Grapes, Fresh. J. Pagliarulo. 375,274; Feb. 13; Serial No. 423,709; published Nov. 21, 1939.
Ice cream. Country Club Ice Cream Company. 375,268; Feb. 13; Serial No. 423,658; published Nov. 21, 1939.
Milk and syrup therefor, Chocolate. C. J. Files. 375,212; Feb. 13; Serial No. 421,426; published Dec. 5, 1939.
Milk, Condensed. Borden Company. 128,931; renewed Jan. 20, 1940.
Milk, Powdered skim. Pet Milk Company. 375,278; Feb. 13; Serial No. 423,775; published Dec. 5, 1939.
Molasses for feeds. Commercial Molasses Corporation. 375,342; Feb. 13.
Olive oil. J. Barbuscia. 375,303; Feb. 13; Serial No. 424,191; published Dec. 5, 1939.
Olive oil. V. N. Cory. 375,240; Feb. 13; Serial No. 423,126; published Nov. 21, 1939.
Onions, Fresh. Walla Walla Gardener's Association. 130,981; renewed May 4, 1940.
Pickles, sweet relish, sour relish, etc. J. M. Cooke. 375,159; Feb. 13; Serial No. 388,915; published Nov. 21, 1939.
Pumpkin seeds, Salted. A. Horwitz. 375,206; Feb. 13; Serial No. 421,086; published Nov. 28, 1939.
Salt. Jefferson Island Salt Company. 375,170; Feb. 13; Serial No. 410,433; published Dec. 5, 1939.
Sandwich spread. J. J. Allegretti. 375,284; Feb. 13; Serial No. 423,848; published Dec. 5, 1939.
Shortening and oleomargarine, Vegetable. Hanover Food Products Company. 375,266; Feb. 13; Serial No. 423,647; published Dec. 5, 1939.
Shortening and oleomargarine, Vegetable. Hanover Food Products Company. 375,267; Feb. 13; Serial No. 423,650; published Dec. 5, 1939.
Starch product, Dextrinized. Stein-Hall Manufacturing Company. 129,085; renewed Jan. 20, 1940.
Syrup, Pure maple sap. New England Maple Syrup Co. 375,242; Feb. 13; Serial No. 423,142; published Dec. 5, 1939.
Tea. Great Atlantic and Pacific Tea Company. 132,396; renewed June 22, 1940.
Tea and rice. William S. Scull Company. 132,802; renewed June 29, 1940.
Vegetables and melons, Fresh. Dorman Farms Co. 375,188; Feb. 13; Serial No. 416,181; published Dec. 5, 1939.
Vegetables, Fresh. A. W. Hutchinson. 375,235; Feb. 13; Serial No. 423,061; published Dec. 5, 1939.

CLASS 47

Vermouth. M. P. Tribuno. 375,262; Feb. 13; Serial No. 423,577; published Dec. 5, 1939.
Wine, Port. Liquor Distributors of America, Inc. 375,201; Feb. 13; Serial No. 420,329; published Dec. 5, 1939.
Wines. Achaia-Clauss Wine Company. 375,164; Feb. 13; Serial No. 402,161; published Oct. 4, 1938.
Wines. Barletta Wine Company. 375,367; Feb. 13.

CLASS 48

Drink, Soft. F. & M. Schaefer Brewing Co. 132,513; renewed June 22, 1940.
Malt beverage. Wm. Horlick, Jr. 131,998; renewed June 8, 1940.

CLASS 49

Whiskey. Bardstown Distillery, Inc. 375,308; Feb. 13; Serial No. 424,254; published Nov. 28, 1939.
Whiskey. H. C. Macpherson. 375,288; Feb. 13; Serial No. 423,919; published Dec. 5, 1939.
Whiskey. K. Taylor Distilling Co. 375,332; Feb. 13; Serial No. 424,567; published Nov. 28, 1939.
Whiskies. Cummins Distilleries Corporation. 375,297; Feb. 13; Serial No. 424,034; published Dec. 5, 1939.
Whisky. James Sword & Son, Limited. 375,222–3; Feb. 13; Serial Nos. 422,637–8; published Nov. 28, 1939.

CLASS 50

Fabrics, Pile upholstery. Sidney Blumenthal & Co. 375,160; Feb. 13; Serial No. 391,373; published Dec. 5, 1939.
Pastry rolling pin jacket and pastry cloth, sold as a unit. Lipschultz Bros. 375,202; Feb. 13; Serial No. 420,536; published Dec. 5, 1939.
Webs of cork composition for cigarette tipping purposes. Armstrong Cork Company. 375,171; Feb. 13; Serial No. 410,627; published Dec. 5, 1939.

LIST OF LABELS

Beech-Nut Coconut Cookies. For Coconut Cookies. Beech-Nut Packing Company. 54,253; Feb. 13.
"Black Leaf 40" Nicotine Sulphate. For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation (Incorporated). 54,263–6; Feb. 13.
Coffee Patties. For Chocolate Covered Coffee Creams. E. F. Kemp, Inc. 54,256; Feb. 13.
Eraser Stik. For Wood Encased Erasers in the Form of a Pencil. A. W. Faber, Inc. 54,254; Feb. 13.
Freihofer's Perfect Bread. For Bread. Freihofer Baking Company. 54,255; Feb. 13.
Goodwear Tested Stockings by Lewet. For Stockings. Benj. Levitt & Bros. 54,258; Feb. 13.
Molasses Chips. For Molasses Chips. E. F. Kemp, Inc. 54,257; Feb. 13.
Quaker Ball Point Stretcher. For Stretchers of the Type Commonly Referred to as Curtain Stretchers. Quaker Stretcher Company. 54,260; Feb. 13.
Ry-Thix. For Genuine Swedish Crisp-Bread. National Importing Company. 54,259; Feb. 13.
Strax the Friend of the Feet. For a Preparation Useful in the Treatment of Minor Skin Irritations and Particularly for Athlete's Foot. Strax Mfg. Co. 54,262; Feb. 13.
The Wonderful Land of Oz Library. For books. Reilly & Lee Company. 54,261; Feb. 13.

LIST OF PRINTS

A Clear, Clean, Sparkling Foot Comfort Lotion. For a Liquid Foot Comfort Lotion. General Pharmacal Company Inc. 17,835; Feb. 13.
Again Quaker Leads With 2 New Features. For Stretchers of the Type Commonly Referred to as Curtain Stretchers. Quaker Stretcher Company. 17,836; Feb. 13.
Charge-Master. For Instruments, To Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. Anderson Company. 17,832–3; Feb. 13.
Spicy, Old-Time Mince Pie. For Mince Meat. Borden Company. 17,834; Feb. 13.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, John J. (See Stone, Walter I., assignor.)
Brandt, Robert J., Hollywood, Calif. Electrode release for arc lamps. Re. 21,346; Feb. 13.
Chrysler Corporation. (See Neracher, C. A., and Iavelli, assignors.)
Goodman, John S., near Wichita Falls, Tex. Pruning apparatus for trees and the like. Re. 21,347; Feb. 13.
Goodman Manufacturing Company. (See Jarrett, Luther E., assignor.)
Haltenberger, Jules, Ann Arbor, Mich. Independent wheel steering. Re. 21,348; Feb. 13.
Iavelli, Teno. (See Neracher, C. A., and Iavelli.)
Industrial Engineering Corporation. (See Miller, William F., assignor.)
Jarrett, Luther E., Montgomery, W. Va., assignor to Goodman Manufacturing Company, Chicago, Ill. Adjustable roller brace for shaker conveyers. Re. 21,349; Feb. 13.
Miller, William F., assignor to Industrial Engineering Corporation Evansville, Ind. Heating system. Re. 21,350; Feb. 13.
Neracher, Carl A., Detroit, and T. Iavelli, Dearborn, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. Re. 21,351; Feb. 13.
Norrman, Ernst, Chicago, Ill. Apparatus for timing watches. Re. 21,355; Feb. 13.
Novadel-Agene Corporation. (See Panagopoulos, John, assignor.)
Panagopoulos, John, Youngstown, Ohio, assignor to Novadel-Agene Corporation. Beer cooler device. Re. 21,352; Feb. 13.
Patco, Inc. (See Vaughn, Leonard E., assignor.)
Pitzer, Mose B., Monahans, Tex. Treating wells. Re. 21,356; Feb. 13.
Stone, Walter I., Worcester, assignor of one-half to J. J. Adams, Shrewsbury, Mass. Machine for cutting sheet material. Re. 21,353; Feb. 13.
Vaughn, Leonard E., assignor to Patco, Inc., Los Angeles, Calif. Pipe tongs. Re. 21,354; Feb. 13.

LIST OF PLANT PATENTEES

Jackson & Perkins Company. (See Johnston, Walter I., assignor.)
Jackson & Perkins Company. (See Kordes, Wilhelm, assignor.)
Johnston, Walter I., Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 361; Feb. 13.
Kordes, Wilhelm, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 362; Feb. 13.
Kordes, Wilhelm, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 363; Feb. 13.

LIST OF DESIGN PATENTEES

Alaska Freezer Co., The, et al. (See Townsend, James W., assignor.)
Allen-Bradley Company. (See Reinecke, Jean O., assignor.)
Artistic Lamp Manufacturing Company. (See Perlmutter, Henry A., assignor.)
Bagedonow, Max, New York, N. Y. Coat. 118,991; Feb. 13.
Bauman, Moe, New York, N. Y. Coat. 119,016; Feb. 13.
Bauman, Moe, New York, N. Y. Coat. 119,017; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,018; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,019; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,020; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,021; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,022; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,023; Feb. 13.
Berkman, Morton, New York, N. Y. Brooch clip or similar article. 119,024; Feb. 13.
Berkowitz, Max, Lawrence, N. Y. Handbag. 118,992; Feb. 13.
Berman, Harry, New York, N. Y. Evening gown. 118,993; Feb. 13.
Bibula, Jacob L., New York, N. Y. Belt buckle. 118,926; Feb. 13.
Charles, Camille, New York, N. Y. Dress ensemble. 118,994; Feb. 13.
Charles, Camille, New York, N. Y. Dress. 118,995; Feb. 13.
D'Andrea, Luigi, Corona, N. Y. Musical case or similar article. 119,025; Feb. 13.
Dazey Churn & Manufacturing Company. (See Reinecke, Jean, O., assignor.)
Dempster Mill Manufacturing Company. (See Loeber, Herman M., assignor.)
Dorsa Dresses, Inc. (See Recht, Bessie, assignor.)
Du Pont, E. I., de Nemours & Company. (See Kahn, Lester, assignor.)
Eagle Pencil Company. (See Ponath, William O., assignor.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Schubert, Alvin E., assignor.)
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 118,927; Feb. 13.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 118,928; Feb. 13.
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,966; Feb. 13.
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,967; Feb. 13.
Elting, August O., Chicago, Ill. Arm for lamp fixtures. 118,968; Feb. 13.
Freemark, Michael J., Breckenridge, Minn. Lantern. 118,969; Feb. 13.
Freemark, Michael J., Breckenridge, Minn. Lantern. 118,970; Feb. 13.
Freemark, Michael J., Breckenridge, Minn. Lantern. 118,971; Feb. 13.
Friedman, Bertha B., New York, N. Y. Carriage robe. 118,956; Feb. 13.
Friedman, Bertha B., New York, N. Y. Combined nightgown and crib cover. 118,972; Feb. 13.
Friedman, Theodore, New York, N. Y. Mounting for a reading glass or similar article. 118,929; Feb. 13.
Frushour, Russel E., assignor to South Bend Lathe Works, South Bend, Ind. Lathe or similar article. 118,930; Feb. 13.
Galter, Jack, Chicago, Ill. Electrically heated steam iron. 118,996; Feb. 13.
Garten, William, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Canister or similar container. 118,931; Feb. 13.
Garten, William, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Canister or similar container. 118,932; Feb. 13.
Garten, William, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Bread box. 118,933; Feb. 13.
General Mills, Inc. (See Thro, Lyle, assignor.)
Gilligan, Lucy E., Olean, N. Y. Automobile. 118,973; Feb. 13.
Goldin, Shepard J., New York, N. Y. Eyeglass case or similar article. 118,934; Feb. 13.
Goldish, Bella C., New York, N. Y. Dress. 118,997; Feb. 13.
Goldsmith, Leon, Brooklyn, N. Y. Sweater. 118,957; Feb. 13.

Goldsmith, Leon, Brooklyn, N. Y. Sweater. 118,958; Feb. 13.
Gorham Manufacturing Company. (See Price, James R., assignor.)
Gottreich, Joseph, New York, N. Y. Dress. 118,998; Feb. 13.
Gould, Harold P. (See Mash, H. L., and Gould.)
Green Brothers, Incorporated. (See Green, Samuel, assignor.)
Green, Samuel, assignor to Green Brothers, Incorporated, Norfolk, Va. Service station. 118,935; Feb. 13.
Grodnick, Newman, North Bergen, N. J. Textile fabric. 118,999; Feb. 13.
Grodnick, Newman, North Bergen, N. J. Textile fabric. 119,000; Feb. 13.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Paper roll holder or similar article. 118,936; Feb. 13.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Salt shaker or similar article. 118,937; Feb. 13.
Hawkins, Irving J., and R. L. Nadeau, St. Paul, Minn. Bull's-eye target game device. 118,938; Feb. 13.
Hawkins, Irving J. and R. L. Nadeau, St. Paul, Minn. Bull's-eye target game device. 118,939; Feb. 13.
Hazel-Atlas Glass Company. (See Spence, James E., assignor.)
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic projection apparatus. 118,940; Feb. 13.
Independent Pneumatic Tool Co. (See Larson, Gilbert B., assignor.)
International Silver Company. (See Theobald, Jean G., assignor.)
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Jay, Ollie M., San Antonio, Tex. Doll. 118,959; Feb. 13.
Jay, Ollie M., San Antonio, Tex. Doll. 118,974; Feb. 13.
Jay, Ollie M., San Antonio, Tex. Doll. 118,975; Feb. 13.
Jay, Ollie M., San Antonio, Tex. Doll. 118,976; Feb. 13.
John, B. P., Furniture Corporation. (See Krick, George, assignor.)
Jowett, James R., Philadelphia, Pa. Textile fabric. 119,026; Feb. 13.
Kahn, Lester, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 118,941; Feb. 13.
Keller, Leonard, Ferndale, assignor to The Murray Corporation of America, Detroit, Mich. Vehicle. 119,001; Feb. 13.
Keller, Leonard, Ferndale, assignor to The Murray Corporation of America, Detroit, Mich. Vehicle. 119,002; Feb. 13.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kermode, Stanley, Christchurch, Hampshire, England. Deck of playing cards. 118,977; Feb. 13.
Kimler, Courtney W., Sr., Ames, Iowa. Shovel bucket. 118,942; Feb. 13.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 118,978; Feb. 13.
Kolmetz, Frederick A., assignor to Liberty Music Shops, Inc., New York, N. Y. Combined radio and phonograph cabinet. 118,960; Feb. 13.
Kolmetz, Frederick A., assignor to Liberty Music Shops, Inc., New York, N. Y. Combined radio and phonograph cabinet. 118,961; Feb. 13.
Krick, George, assignor to B. P. John Furniture Corporation, Portland, Oreg. Vanity dresser or similar article. 118,943; Feb. 13.
Krick, George, assignor to B. P. John Furniture Corporation, Portland, Oreg. Chest of drawers or similar article. 118,944; Feb. 13.
Landau, Argo E., Ladue, and W. F. Schaefer, assignors to Royal Bond, Inc., St. Louis, Mo. Anatomical injector. 118,979; Feb. 13.
Larson, Gilbert B., Geneva, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Portable power driven hand tool unit. 118,980; Feb. 13.
Liberty Music Shops, Inc. (See Kolmetz, Frederick A., assignor.)
Lipof, Joseph, Mattapan, Mass. Dress ensemble. 119,003; Feb. 13.
Llorens, Louis M., New Haven, Conn., assignor to Swift Business Machines Corporation, New York, N. Y. Computing and listing machine. 118,962; Feb. 13.
Loeber, Herman M., Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company. Pump. 118,981; Feb. 13.
Lundy, William, assignor to Olean Glass Company, Olean, N. Y. Tumbler or the like. 118,963; Feb. 13.
Mascitelli, Catherine G., New York, N. Y. Dress ensemble. 119,004; Feb. 13.
Mash, Herman L., and H. P. Gould, Philadelphia, Pa. Combined bureau, bed, and bookcase. 118,982; Feb. 13.
McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Radiator. 118,945; Feb. 13.
Meurer, Louis G., New York, N. Y. Textile fabric. 119,005; Feb. 13.
Minkoff, Edward, New York, N. Y. Coat. 119,027; Feb. 13.
Modern Plastics Company. (See Westgaard, Odin A., assignor.)
Murray Corporation of America, The. (See Keller, Leonard, assignor.)
Nadeau, Roy L. (See Hawkins, I. J., and Nadeau.)
Nelson, Serene G., Frankfort, Mich. Floor lamp. 118,983; Feb. 13.
Olean Glass Company. (See Lundy, William, assignor.)
Owens-Illinois Can Company. (See Garten, William, assignor.)
Ox Fibre Brush Company. (See Partridge, Melvin H., assignor.)
Partridge, Melvin H., New Rochelle, assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Scouring brush. 119,028; Feb. 13.
Paterson, Edward M., assignor to Plastic-Fibre Corporation, Whittier, Calif. Coat hanger or similar article. 118,984; Feb. 13.
Perlmutter, Henry A., assignor to Artistic Lamp Manufacturing Company, Inc., New York, N. Y. Lamp base. 118,985; Feb. 13.
Plastic-Fibre Corporation. (See Paterson, Edward M., assignor.)
Ponath, William O., Richmond Hill, assignor to Eagle Pencil Company, New York, N. Y. Mechanical pencil. 119,006; Feb. 13.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 118,946; Feb. 13.
Ramsey, Maxwell E., Clayton, Mo. Advertising display device. 118,986; Feb. 13.
Rebhuhn, Anne, New York, N. Y. Dress. 119,008; Feb. 13.
Rebhuhn, Anne, New York, N. Y. Dress. 119,009; Feb. 13.
Recht, Bessie, assignor to Dorsa Dresses, Inc., St. Louis, Mo. Dress. 119,007; Feb. 13.
Redmond, Albert G., Flint, Mich. Casing for a blower for defrosting windshields. 118,964; Feb. 13.
Reinecke, Jean O., Chicago, Ill., assignor to Dazey Churn & Manufacturing Company, St. Louis, Mo. Can opener. 118,947; Feb. 13.
Reinecke, Jean O., Chicago, Ill., assignor to Allen-Bradley Company, Milwaukee, Wis. Control station enclosure. 118,987; Feb. 13.
Robinson, Joseph, New York, N. Y. Electric vaporizer. 119,010; Feb. 13.
Rosenzweig, Arthur, New York, N. Y. Coat. 119,011; Feb. 13.
Royal Bond, Inc. (See Landau, A. E., and Schaefer, assignors.)
Rubin, Jack, New York, N. Y. Textile fabric. 119,029; Feb. 13.
Rutledge, Harry E., Dormont, Pa. Lighting fixture or similar article. 118,988; Feb. 13.
Ryan, Dennis F., Belmont, Mass. Doll. 118,948; Feb. 13.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package envelope or similar article. 118,989; Feb. 13.
Schaefer, Wilbert F. (See Landau, A. E., and Schaefer.)
Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic viewing apparatus. 118,949; Feb. 13.
Sears, Roebuck and Co., et al. (See Townsend, James W., assignor.)
Sentney, Caroline L., Indianapolis, Ind. Dairy products indicator. 118,950; Feb. 13.
Shander, Benjamin, Philadelphia, Pa. Blouse. 118,965; Feb. 13.
South Bend Lathe Works. (See Frushour, Russel E., assignor.)
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Dish. 118,951; Feb. 13.
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Dish. 118,952; Feb. 13.
Swift Business Machines Corporation. (See Llorens, Louis M., assignor.)
Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Dish or other article of hollowware. 118,990; Feb. 13.
Thro, Lyle, Minneapolis, Minn., assignor to General Mills, Inc. Toy airplane. 118,953; Feb. 13.
Townsend, James W., assignor of one-half to The Alaska Freezer Co., Inc., Winchendon, Mass., and one-half to Sears, Roebuck and Co., Chicago, Ill. Ice cream freezer. 118,954; Feb. 13.
United States Radiator Corporation. (See McIntire, James F., assignor.)
Westgaard, Odin A., assignor to Modern Plastics Company, Los Angeles, Calif. Drawer pull. 118,955; Feb. 13.
Zimmerman, Samuel, New York, N. Y. Coat. 119,030; Feb. 13.
Zimmerman, Samuel, New York, N. Y. Suit. 119,031; Feb. 13.
Zuckerman, Harry, New York, N. Y. Coat. 119,012; Feb. 13.
Zuckerman, Harry, New York, N. Y. Coat. 119,013; Feb. 13.
Zuckerman, Harry, New York, N. Y. Coat. 119,014; Feb. 13.
Zuckerman, Harry, New York, N. Y. Coat. 119,015; Feb. 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ace Glass Incorporated. (See Schilling, William F., assignor.)
Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Starting device for high compression engines. 2,190,345; Feb. 13.
Adair, Samuel E., Chicago, Ill., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md. Sound effect machine. 2,190,465; Feb. 13.
Adams, Julius R., assignor to Old Colony Envelope Company, Westfield, Mass. Manufacture of adhesives. 2,190,372; Feb. 13.
Addinall, Carl R., Westfield, and R. T. Major, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Alkyl esters of hydrohalides of methylhydrasteine and producing the same. 2,189,809; Feb. 13.
Aeroflex Laboratories, Incorporated. (See Marglin, George, assignor.)
Aerogen Company Limited, The. (See Schürmann, Carl, assignor.)
Aetna Standard Engineering Company, The. (See Taylor, Clarence L., assignor.)
Airfilm Corporation. (See McGuire, Clarence V., assignor.)
Alexander, Armstead M., Independence, Mo. Introducing a flavoring ingredient into a frozen comestible. 2,190,226; Feb. 13.
Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Reentrant network. 2,190,131; Feb. 13.
Allgemeine Elektricitats-Gesellschaft. (See Schenk. Dankwart, assignor.)
Allis-Chalmers Manufacturing Company. (See Dortort, Isadore K., assignor.)
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
Alonso, Irene W., et al., executors. (See Windecker, Clifton N. and R. E.)
Aluminum Company of America. (See Templin, Richard L., assignor.)
Alvord, Charles C., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,190,132; Feb. 13.
American Bitumuls Company. (See Montgomerie, J. A., and Archibald, assignors.)
American Can Company. (See Blair, James S., assignor.)
American Can Company. (See Eberhart, Felix, assignor.)
American Can Company. (See Paynter, H. J., and Rooney, assignors.)
American Coach & Body Company. (See Eckman, Meril L., assignor.)
American District Telegraph Company. (See Kleinknecht, William J., assignor.)
American Flange & Manufacturing Co. (See Wackman, Louis B., assignor.)
American Gas Service Company. (See Mead, Roy M., assignor.)
American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
American Machine & Foundry Company. (See Leary, James W., assignor.)
American Maize-Products Company. (See Walsh, James F., assignor.)
American Optical Company. (See Beitel, Robert J., Jr., assignor.)
American Plush & Velvet Pressboard Co. Inc. (See Bass, Rubin, assignor.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Rolling Mill Company, The. (See Sendzimir, Tadeusz, assignor.)
American Seal-Kap Corporation of Delaware. (See Baum, Ewald G., assignor.)
American Telephone and Telegraph Company. (See Desmond, James M., assignor.)
American Telephone and Telegraph Company. (See Laube, Otto T., assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
Amyot, Louis J. A., Quebec, Quebec, Canada. Corded woven fabric. 2,190,053; Feb. 13.
Andale Company. (See McNeal, Daniel R., assignor.)
Anderson, Alfred. (See Davidson, W. W., and Anderson.)
Ansel, Harry R., Cleveland, Ohio. Antiskid device. 2,190,142; Feb. 13.
Archibald, Peter K. (See Montgomerie, J. A., and Archibald.)
Arey, Gordon C., Fort Thomas, Ky. Making safety inner tubes for pneumatic tire casings. 2,190,202; Feb. 13.
Armistead, Hubert M., San Francisco, Calif. Apparatus for the drying of the hair. 2,190,168; Feb. 13.
Arms, Ray W. (See Rakowsky, V., and Arms.)
Armstrong Bros. Tool Co. (See Rhinevault, Harry A., assignor.)
Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)
Arveson, Maurice H. (See Plummer, W. B., and Arveson.)
Ashby, Gerald K. (See Buffington, R. M., and Ashby.)
Askania-Werke A. G. (See von den Steinen, Carl, assignor.)
Askania-Werke A. G. (See Wurr, Carl, assignor.)
Askania-Werke A. G. Vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, G., and Schuppert, assignors.)
Associated Telephone and Telegraph Company. (See Taylor, R., Baker, and Gillings, assignors.)
Astle, William. (See Feldmeier, H., and Astle.)
Atkinson, Flavius W. (See Thomas, J. H., Fletcher, and Atkinson.)
Auberschek, Joseph F., Milwaukee, Wis. Fluid filter. 2,190,305; Feb. 13.
Auer, László, Budapest, Hungary, assignor to J. R. Newman, as trustee, Washington, D. C. Manufacture of modified, heat-bodied oil products. 2,189,772; Feb. 13.
Augier-Queyras, Jean F. (See Valtat, Raymond L. A., assignor.)
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth moving device. 2,190,346; Feb. 13.
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth mover. 2,190,347; Feb. 13.
Austral Cabinet Company Limited. (See Newnes, Henry J., assignor.)
Auto Union Aktiengesellschaft. (See Boxan, Walter, assignor.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
B. B. Chemical Co. (See McGill, John H., assignor.)
B. W. Manufacturing Company. (See Berkebil, Lee, assignor.)
Bach, Abel W., Chicago, Ill., assignor to International Harvester Company. Starting system for compression ignition engines. 2,190,348; Feb. 13.
Baer, Ernst, Berlin-Charlottenburg, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Welding. 2,190,621; Feb. 13.
Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Fender guide. 2,190,622; Feb. 13.
Bailey, Clarence H., Seattle, Wash. Cap for use with various types of vessels from which it is desired to dispense measured quantities of free flowing materials. 2,190,092; Feb. 13.
Baker and Co., et al. (See Richardson, Henry K., assignor.)
Baker, George T. (See Taylor, R., Baker, and Gillings.)
Baker, Orin C., Cleveland, Ohio. Structural element. 2,190,004; Feb. 13.
Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
Ball, George A. (See Tinker, Walter H., assignor.)
Ball, Joseph A., and W. E. Pohl, assignors to Technicolor Motion Picture Corporation, Hollywood, Calif. Light dividing device. 2,189,932; Feb. 13.
Ball, Joseph A., and W. E. Pohl, assignors to Technicolor Motion Picture Corporation, Hollywood, Calif. Light dividing device. 2,189,933; Feb. 13.
Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Sizing device. 2,190,306; Feb. 13.
Banigan, Thomas F., Kenmore, and O. E. Snyder, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of Glauber's salt. 2,190,280; Feb. 13.
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Bardsley, Willard W., Providence, assignor to Wardwell Braiding Machine Company, Central Falls, R. I. Fault detector and stopping device for textile machines. 2,190,169; Feb. 13.
Barge, Raymond H., Mineola, assignor to National Meter Company, Brooklyn, N. Y. By-pass compensator for meters. 2,189,750; Feb. 13.
Barker, John O., assignor to Sweets Laboratories, Inc., New York, N. Y. Chewing gum material. 2,190,180; Feb. 13.

Barnard, Walter E., Wethersfield, Conn. Coffee container. 2,190,203; Feb. 13.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Mechanical clamp. 2,190,143; Feb. 13.
Barr and Stroud, Limited. (See French, James W., assignor.)
Barr and Stroud, Limited. (See Macgill, Charles D., assignor.)
Bartlebaugh, Benjamin C., Wheeling, W. Va. Portable baking oven. 2,189,875; Feb. 13.
Bascom, Henry M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Designation transmitter. 2,190,307; Feb. 13.
Basham, Clement, Fort Worth, Tex. Honing crank for mowers. 2,190,005; Feb. 13.
Bass, Rubin, Brooklyn, assignor to American Plush & Velvet Pressboard Co. Inc., New York, N. Y. Pressboard for velvet, etc. 2,190,631; Feb. 13.
Bassett, Robert S., Buffalo, N. Y. Liquid meter. 2,190,006; Feb. 13.
Bastian Blessing Co., The. (See Evarts, Ralph E., assignor.)
Bastian-Blessing Co., The. (See Johnson, Herman K., assignor.)
Batchelder, Howard R., and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Refining light hydrocarbon distillates. 2,190,007; Feb. 13.
Baughman, Samuel E. (See Custenborder, John M., assignor.)
Baum, Ewald G., Natick, Mass., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Apparatus for capping bottles. 2,190,509; Feb. 13.
Bayer, Otto. (See Kleiner, H., Delfs, and Bayer.)
Beam, Vilynn O., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Heater. 2,190,349; Feb. 13.
Beaman, Townsend F. (See Snell, Samuel A., assignor.)
Beames, Walden C., River Edge, N. J., assignor to Devoe & Raynolds Co., Inc. Brush construction. 2,190,181; Feb. 13.
Beames, Walden C., River Edge, N. J., assignor to Devoe & Raynolds Co., Inc. Brush construction. 2,190,182; Feb. 13.
Beardsley & Piper Company, The. (See Naylor, Walter E., assignor.)
Beebe, Watson, Cheboygan, Mich., assignor, by mesne assignments, to The Trumbull Metal Products Company. Electric etching or deposition frame. 2,190,440; Feb. 13.
Beiswenger, Gustav A. (See Starr, J. V., and Beiswenger.)
Beitel, Robert J., Jr., assignor to American Optical Company, Southbridge, Mass. Chromatic test target. 2,190,008; Feb. 13.
Belden Manufacturing Company. (See Scholl, Chester C., assignor.)
Belding, Harvey R., Sharpsville, Pa. Ingot cap. 2,190,392; Feb. 13.
Belding, Harvey R., Sharpsville, Pa. Producing capped steel. 2,190,393; Feb. 13.
Beline, Walter E., assignor to York Ice Machinery Corporation, York, Pa. Compressor-condenser unit for refrigerating machines. 2,190,249; Feb. 13.
Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bascom, Henry M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bennett, Arthur F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hamburger, Frey.)
Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnston, D. F., and Shiel, assignors.)
Bell Telephone Laboratories, Incorporated. (See Miller, R. A., and Ruhly, assignors.)
Bell Telephone Laboratories, Incorporated. (See Ramsey, Raymond B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Reier, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Samuel, Arthur L., assignor.)
Bemis, Melvin H., E. R. Greer, and A. E. Morrison, assignors to Rotary Snow Plow Company, Minneapolis, Minn. Rotor for snow plows. 2,190,325; Feb. 13.
Bendix Aviation Corporation. (See Kurzina, Stanley B., Jr., assignor.)
Bendix Home Appliances, Inc. (See Bradbury, Clifford C., assignor.)
Bendix Home Appliances, Inc. (See Haberstump, Alfred H., assignor.)
Bendix Home Appliances, Inc. (See McCollum, A. O., and Lovett, assignors.)
Bendix Radio Corporation. (See Adair, Samuel E., assignor.)
Bendix Radio Corporation. (See Frazier, Radford K., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Hydraulic pump or motor. 2,189,773; Feb. 13.
Bennett, Arthur F., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,190,466; Feb. 13.
Benoit, Francois P. C., Paris, France. Apparatus for projection of molten pulverized bodies. 2,190,326; Feb. 13.
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine stand. 2,190,623; Feb. 13.
Berg, Christian P., Chicago, Ill. Slide rule. 2,190,281; Feb. 13.
Bergeron, Alfred, Chicopee Falls, Mass. Piston ring. 2,190,204; Feb. 13.
Berkebil, Lee, assignor to B. W. Manufacturing Company, Detroit, Mich. Wire reducing machine. 2,189,876; Feb. 13.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,190,227; Feb. 13.
Best, Myron A., Schenectady, N. Y., assignor to General Electric Company. Connector clamp. 2,190,510; Feb. 13.
Betts, Arnold, et al. (See Jones, Jack E., assignor.)
Bilgart, Eric E., Oak Park, Ill. Electromagnetic mechanism. 2,189,934; Feb. 13.
Binney & Smith Co. (See Vogel, Max R., assignor.)
Bireley's Incorporated. (See Fry, Lawrence A., assignor.)
Birkigt, Louis, Versoix, near Geneva, Switzerland. Cooling system for piston engines. 2,190,394; Feb. 13.
Birman, Isidore, Peekskill, N. Y. Sash lock. 2,190,205; Feb. 13.
Black, Crayton K. (See Lang, J. W., and Black.)
Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Semitrailer prop actuating mechanism. 2,190,373; Feb. 13.
Blackburn, Claude E., assignor to J. M. Huber Corporation, Borger, Tex. Apparatus for testing oil and gas wells. 2,190,250; Feb. 13.
Blackburn, Philip W., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crater lamp as a spotlight. 2,190,308; Feb. 13.
Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)
Blair, James S., Maywood, Ill., assignor to American Can Company, New York, N. Y. Color stabilization of green vegetables. 2,189,774; Feb. 13.
Bleakney, William M., Washington, D. C. Dynamically compensated strain gauge. 2,189,775; Feb. 13.
Blomberg, Martin P., and W. H. Mussey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car. 2,190,144; Feb. 13.
Blomfield, Frederick C. (See Chamberlin, Benjamin D., assignor.)
Blomfield, Frederick C., Coldwater, and M. H. Johanson, Rochester, N. Y.; said Johanson assignor to said Blomfield. Tabulating machine. 2,189,935; Feb. 13.
Bloom, Oscar T. (See Frederick, L. D., and Bloom.)
Bocca, Carlo, and D. Rudatis, Venice, Italy. Obtaining in projection images in colors. 2,189,751; Feb. 13.
Boente, Leo. (See Pier, M., Boente, and Eisenhüt.)
Boggs, Walter W., et al. (See Costello, Charles E., assignor.)
Bold, Arthur W. (See Bold, Frederick W. and A. W.)
Bold, Frederick W. and A. W., Chelsea, assignors to Waltham Horological Manufacturing Company, Waltham, Mass. Aerial bomb fuse. 2,190,374; Feb. 13.
Bonnett, Howard T. (See Major, R. T., and Bonnett.)
Borg-Warner Corporation. (See Firth, David, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Baer, Ernst, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Weber, J., Stoll, and Hurst, assignors.)
Bossart, John, Los Angeles, Calif., assignor to Loew's Incorporated. Suspension system for a camera and light stage. 2,190,093; Feb. 13.
Bottieron, Leonard K., Omaha, Nebr. Burner mount for oil burning locomotives. 2,189,877; Feb. 13.
Bottlers Equipment Company. (See Gibbs, Curtis W., assignor.)
Boucher, Charles P., Montreal, Quebec, Canada, assignor to Boucher Inventions, Limited. Luminescent tube and system. 2,190,009; Feb. 13.
Boucher, Charles P., Montreal, Quebec, Canada, assignor to Boucher Inventions, Limited. Luminescent tube system and apparatus. 2,190,010; Feb. 13.
Boucher Inventions, Limited. (See Boucher, Charles P., assignor.)
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure system. 2,190,228; Feb. 13.
Bowen, Leslie G., Kansas City, Mo. Speed reducer. 2,189,776; Feb. 13.
Boxan, Walter, assignor to Auto Union Aktiengesellschaft, Chemnitz, Germany. Scavenging of high speed two-stroke internal combustion engines. 2,190,011; Feb. 13.
Bradbury, Clifford C., Glencoe, Ill., assignor to Bendix Home Appliances, Inc., Detroit, Mich. Circuit controller. 2,190,468; Feb. 13.
Braden, Clark E., Salem, W. Va. Wellhole cleaning device. 2,190,145; Feb. 13.
Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Regulating system. 2,189,777; Feb. 13.
Bradley, John G., Willisville, Ill. Cabinet for the storage of film. 2,190,229; Feb. 13.

Bradley, Milton, Co. (See Payberg, Andrew, assignor.)
Brady, George F., Honolulu, Hawaii. Combined head and arm rest. 2,190,395; Feb. 13.
Brady, Walter W., Alhambra, Calif., assignor of one-half to C. A. Foley, Phoenix, Ariz. Cigarette holder. 2,189,878; Feb. 13.
Brandenburg, Hermann, Berlin-Tempelhof, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical composing and casting machine. 2,190,112; Feb. 13.
Brandfon, Samuel, assignor to Pep Shower Manufacturing Co., New York, N. Y. Mixer for deliquescent bath spray tablets. 2,189,936; Feb. 13.
Brandt, Louis, Kieler, Wis. Cabbage miller trap. 2,190,251; Feb. 13.
Brant, William S., G. J. Lucas, and A. S. Weaver, Jr., Sacramento and S. W. Eakle, Woodland, assignors to Weaver Tractor Co., Sacramento, Calif. Jack for semitrailers. 2,190,252; Feb. 18.
Brasel, Harry R. (See Hinkamp, J. A., and Brasel.)
Breitschwerdt, Karl, Brooklyn, N. Y. Poultry drawer. 2,189,752; Feb. 13.
Brenchley, William M. Stockton, Calif. Sack chute and switch. 2,190,094; Feb. 13.
Bretschneider, Max, Plauen, Germany. Apparatus for producing a uniform tension in winding devices. 2,190,529; Feb. 13.
Brewer, Nicholas L., Agawam, Mass., assignor to Savage Arms Corporation, New York, N. Y. Sight for firearms. 2,190,500; Feb. 13.
Brice, Albert. (See Simons, J. E. R., and Ethel L. and A. Brice.)
Brice, Ethel L. (See Simons, J. E. R., and Ethel L. and A. Brice.)
Briggs Manufacturing Company. (See Votypka, John, assignor.)
Briot, André. (See Warnecke, R., and Briot.)
Brisendine, Guy F., assignor to The Schooley Printing and Stationery Company, Kansas City, Mo. Carbon manifold form. 2,190,253; Feb. 13.
Bristol, George W., New York, N. Y. Flexible pressing machine pad. 2,190,146; Feb. 13.
Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette rod former. 2,190,012; Feb. 13.
Brooks, Benjamin T., Old Greenwich, Conn., assignor to Standard Alcohol Company. Production of alcohols. 2,190,501; Feb. 13.
Brooks, Roy L., Costa Mesa, Calif. Muffler. 2,190,396; Feb. 13.
Broussard, Robert F. (See Toce, C. A., Broussard, and Woodruff.)
Brown, Andrew, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Railway signal control system. 2,189,879; Feb. 13.
Brown, Charles R., Champaign, Ill., assignor to The Sharples Corporation, Philadelphia, Pa. Degermination process. 2,190,095; Feb. 13.
Brown Company. (See Richter, George A., assignor.)
Brown, Delbert F., Westfield, and H. C. De Hoff, Roselle Park, N. J., assignors to Standard Oil Development Company. Emulsion product. 2,189,854; Feb. 13.
Brown, J. K., et al. (See Jones, Jack E., assignor.)
Browner, William, San Francisco, assignor of one-half to W. Limberg, Bakersfield, and one-half to F. W. Epperson, Oakland, Calif. Therapeutic machine. 2,190,282; Feb. 13.
Broyles, Otis T., Los Angeles, Calif. Deep well apparatus. 2,189,937; Feb. 18.
Bruestle, Armin O. (See Stenger, E. P., and Bruestle.)
Bruining, Hajo, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,189,973; Feb. 13.
Bryant Heater Company, The. (See Beam, Vilynn O., assignor.)
Bryant, Pegram A. (See Sherrill, W. M., and Bryant.)
Bucknam, James H., and A. J. Miller, Cranford, N. J., assignors to The Linde Air Products Company. Billet conditioning method. 2,189,753; Feb. 13.
Buffington, Ralph M., and G. K. Ashby, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Apparatus for measuring humidity. 2,189,855; Feb. 13.
Buford, William J., Houston, Tex. Highway gate. 2,189,974; Feb. 13.
Bugatti, Ettore, Molsheim, Bas-Rhin, France. Vehicle. 2,190,397; Feb. 13.
Bugatti, Ettore, Molsheim, Bas-Rhin, France. Reel for fishing. 2,190,398; Feb. 13.
Bugg, Kenly C., Farmington, Mo. Lock. 2,189,880; Feb. 13.
Burcky, Charles W., assignor to Teletype Corporation, Chicago, Ill. Keyboard perforator. 2,190,309; Feb. 13.
Burnham, Henry S., Clinton, Mo. Chick box. 2,190,399; Feb. 13.
Bushway, George H., Amesbury, assignor to Electricooker, Inc., Newburyport, Mass. Electric circuit. 2,189,856; Feb. 13.
Busslere, Frank H., assignor of one-half to Mayo Woolen Mills, Inc., Millbury, Mass. Mechanism for making irregular yarn. 2,189,938; Feb. 13.
Bux, Julius R., Melrose Park, Pa. Manufacturing flexible stays. 2,190,469; Feb. 13.
Byers, Harry M., Fort Wayne, Ind., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Spool. 2,190,013; Feb. 13.
Cage, John M., Schenectady, N. Y., assignor to General Electric Company. Ultra short wave system. 2,190,511; Feb. 13.
Cahn, Frank J. (See Katzman, M. B., and Cahn.)
Callov Limited. (See Kirsebom, Gustaf N., assignor.)
Cameron, Joseph A., Montreal, Quebec, Canada. Two-wheel car truck. 2,190,539; Feb. 13.
Campbell, Clarence B., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cylinder supporting arrangement. 2,190,170; Feb. 13.
Caproni, Gianl, Milan, Italy. Coaxial propeller drive. 2,190,254; Feb. 13.
Carbide and Chemicals Corporation. (See Smith, Omar H., assignor.)
Cardinal Products, Inc. (See Schmitt, George P., assignor.)
Carey, James S. (See Gary, W. W., and Carey.)
Carlson, Conrad, Brooklyn, N. Y. Oar operating mechanism. 2,189,975; Feb. 13.
Carrillo, Aniceto, Mexico, D. F., Mexico. Delivery valve. 2,190,255; Feb. 13.
Carver, Richard N. (See Lohr, R. J., and Carver.)
Carwardine, George, Bath, assignor of one-third to Herbert Terry & Sons Limited, Redditch, England. Spring-controlled mechanism. 2,190,400; Feb. 13.
Casco Products Corporation. (See Bahr, Gustave F., assignor.)
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Reamer cutter mounting means. 2,190,350; Feb. 13.
Cecil, William, New York, N. Y. Pouring can for coffee urns. 2,190,441; Feb. 13.
Celanese Corporation of America. (See Mellor, A., and Pool, assignors.)
Celanese Corporation of America. (See Moncrieff, Robert W., assignor.)
Cellulose Research Corporation, The. (See Sheldon, Lyle M., assignor.)
Cerny, Joseph A., assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermostatic valve mechanism. 2,189,881; Feb. 13.
Cerny, Joseph A., assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermostatic valve mechanism. 2,189,882; Feb. 13.
Chace, Thomas B., Winnetka, assignor to Clad Metals Industries, Inc., Chicago, Ill. Cladding metal. 2,190,310; Feb. 13.
Chamberlain, Leonard C. (See Irons, C., and Chamberlain.)
Chamberlain, Benjamin D., Rochester, assignor to F. C. Blomfield, Coldwater, N. Y. Tabulating machine. 2,189,939; Feb. 13.
Cheek, Tolbert F., New York, and L. G. Collyer, Congers, assignors to Welte-Mignon Piano Corporation, Inc., Brooklyn, N. Y. Automatic gear shifting mechanism. 2,190,256; Feb. 13.
Cherrington, George H., Pittsburgh, Pa. Endless grinding and polishing belt. 2,189,754; Feb. 13.
Cherry-Burrell Corporation. (See Dalzell, C. B., and Miner, assignors.)
Cherry-Burrell Corporation. (See Feldmeier, H., and Astle, assignors.)
Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)
Chreitzberg, Bond P., Georgetown, Tex. Fishing float. 2,190,113; Feb. 13.
Christensen, Albert H., Oakland, Calif. Advertising device. 2,190,114; Feb. 13.
Christmann, Friedrich. (See Pier, M., Christmann, Eisenhut, and Hirschberger.)
Chrysler Corporation. (See Slack, Frederic W., assignor.)
Churchill, George R., Quincy, Mass. Rotary brush. 2,190,206; Feb. 13.
Ciaccio, Peter L., and H. R. Crane, Los Angeles, Calif. Renew seat for tank discharge valves. 2,190,147; Feb. 13.
Cincinnati Mine Machinery Company, The. (See Stenger, E. P., and Bruestle, assignors.)
Clad Metals Industries, Inc. (See Chace, Thomas B., assignor.)
Clarkson, William S., Ann Arbor, Mich. Tire gauge. 2,190,530; Feb. 13.
Clauss, Guido, Elizabethtown, Pa. Full-fashioned stocking. 2,190,148; Feb. 13.
Clayton, Benjamin, Houston, Tex. Processing soap. 2,190,591; Feb. 13.
Clayton, Benjamin, Houston, Tex. Process of and apparatus for producing soap of desired moisture content. 2,190,592; Feb. 13.
Clayton, Benjamin, Sugarland, Tex., assignor to Refining, Inc., Reno, Nev. Refining of animal and vegetable oils. 2,190,588; Feb. 13.
Clayton, Benjamin, Sugarland, Tex., assignor to Refining, Inc., Reno, Nev. Refining glyceride-type oils. 2,190,589; Feb. 13.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining glyceride oils. 2,190,590; Feb. 13.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining animal and vegetable oils 2,190,593; Feb. 13.

Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining of animal and vegetable oils. 2,190,594; Feb. 13.
Clayton, Benjamin, Houston, Tex., and B. H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev. Refining process. 2,190,595; Feb. 13.
Clench, Edward C. S., assignor to Automotive Products Company, Limited, London, England. Liquid pressure remote control system. 2,190,257; Feb. 13.
Clerke, John B., Springfield Gardens, N. Y. Drafting attachment for scales. 2,190,327; Feb. 13.
Cleveland Trust Company, The. (See Dillon, Harold H., assignor.)
Clipper Belt Lacer Company. (See Sperry, Walter, assignor.)
Cohn, Irwin E., New York, N. Y. Ashtray for smokers. 2,189,940; Feb. 13.
Colas, Andre, et al. (See Colas, Jacques, assignor.)
Colas, Jacques, Paris, France, assignor of one-half to Societe Alfa; one-sixth to L. Colas; and one-sixth to A. Colas, Paris, France. Filter pack. 2,190,014; Feb. 13.
Colas, Louis, et al. (See Colas, Jacques, assignor.)
Cold Control Corporation. (See Robinson, J. F., and King, assignors.)
Cole, Oliver A., Madison, Ind. Separable electric cord plug. 2,190,230; Feb. 13.
Coleman, Charles C., Lamesa, Tex. Sliding door. 2,190,149; Feb. 13.
Collins, Howard W. (See Simison, A. L., and Collins.)
Collins, William B., et al. (See Costello, Charles E., assignor.)
Collyer, Louis G. (See Cheek, T. F., and Collyer.)
Colonial Broach Company. (See Hart, William A., assignor.)
Colorigh, Vincent L., Tulsa, Okla. Truck body attachment. 2,190,258; Feb. 13.
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., asignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Warnecke, Robert, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Warnecke, R., and Briot.)
Connell, John W., Mountain View, N. J., assignor to Utility Steel Display Frames, Inc., New York, N. Y. Poster display frame. 2,190,557; Feb. 13.
Conner, Michael, Cincinnati, Ohio, assignor of one-half to Sugar Beet Products Company, Saginaw, Mich. Dispenser for powdered soap or similar granular material. 2,190,311; Feb. 13.
Connerat, Edwin B., Richmond, Va. Sharpener for single-edged razor blades. 2,189,883; Feb. 13.
Cook, Harry W., Malta, Ohio. Window frame. 2,190,096; Feb. 13.
Cormier, Frank L., East Braintree, assignor to Massachusetts Engineering Co., Inc., North Quincy, Mass. Boiler construction. 2,190,351; Feb. 13.
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Open tank heating system with flow control. 2,189,941; Feb. 13.
Cosentino, Anthony. (See Leone, D. T., Pagano, and Cosentino.)
Costello, Charles E., Bakersfield, assignor of one-fourth to W. B. Collins, and one-fourth to W. W. Boggs, Los Angeles, and one-fourth to J. W. Costello, Inglewood, Calif. Tool useful for removing objects from wells. 2,190,442; Feb. 13.
Costello, John W., et al. (See Costello, Charles E., assignor.)
Cote, Louis A., Lewiston, Maine. Snow scoop. 2,190,558; Feb. 13.
Craddock, Frederick L., Wilmington, Del. Thumb lollipop. 2,190,231; Feb. 13.
Crammond, Earle D., Washington, D. C. Guide support and flexible conductor. 2,190,108; Feb. 13.
Crane, Hubert R. (See Ciaccio, P. L., and Crane.)
Crapez, Jules, Mons-en-Baroeul, France. Psychrometric apparatus for direct reading of humidity. 2,189,857; Feb. 13.
Creed and Company Limited. (See Salmon, Reginald D., assignor.)
Crocker, Harrison G. (See Gardner, G., and Crocker.)
Crosley Corporation, The. (See Money, R. H., and Jones, assignors.)
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Relief valve. 2,190,352; Feb. 13.
Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)
Crown Cork & Seal Company. (See Schon, Matthew, assignor.)
Croy, Howard D., Marshall, Mich. Chair. 2,190,401; Feb. 13.
Cullen, Francis H., Philadelphia, Pa. Smoke purifier for tobacco smoking articles. 2,190,312; Feb. 13.
Culmer, Harry H., assignor of one-tenth to M. S. Miller, Chicago, Ill. Continuous amalgamator. 2,190,632; Feb. 13.
Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil engine. 2,190,015; Feb. 13.
Curry, J. R., et al. (See Jones, Jack E., assignor.)
Curtis, Herbert F., Berea, assignor to Henry Furnace & Foundry Company, Cleveland, Ohio. Furnace construction. 2,190,375; Feb. 13.
Curzon, Thomas, London, assignor to J. Stone & Company, Limited, Deptford, England. Electrical control system 2,190,402; Feb. 13.
Custenborder, John M., Mackinaw, assignor to S. E. Baughman, Broadwell, Ill. Gearing. 2,190,259; Feb. 13.
Cutter, Fred A., Oakland, and R. K. Cutter, Berkeley, assignors to Cutter Laboratories, Berkeley, Calif. Flask and stopper therefor. 2,190,054; Feb. 13.
Cutter Laboratories. (See Cutter, Fred A. and R. K., assignors.)
Cutter, Robert K. (See Cutter, Fred A. and R. K.)
Daley, Frederick M., Shelton, assignor to The Sponge Rubber Products Co., Derby, Conn. Nonabsorbent closed cell powder puff. 2,190,376; Feb. 13.
Dalmer, Otto, and K. Heyns, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Production of keto gulonic acid from sorbose. 2,190,377; Feb. 13.
Dalmer, Otto, and K. Heyns, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Production of ascorbic acid from sorbose. 2,189,778; Feb. 13.
Dalzell, Charles B., Little Falls, and R. K. Miner, Oriskany Falls, N. Y., assignors to Cherry-Burrell Corporation, Chicago, Ill. Sealing means for rotary shaft openings. 2,190,443; Feb. 13.
Daman, Arthur C., Denver, Colo., assignor, by mesne assignments, to Mining Process and Patent Company. Emulsifying means and method. 2,189,779; Feb. 13.
Dautrick, Owen L., Detroit, Mich. Sash balance casing. 2,190,097; Feb. 13.
Dautrick, Owen L., Detroit, Mich. Sash balance. 2,190,098; Feb. 13.
D'Avaucourt, Pierre de Vitry, Astoria, N. Y. Stone sawing machine and blade therefor. 2,189,780; Feb. 13.
Davidson, Eli, Dorchester, Mass. Protective cover for books. 2,190,055; Feb. 13.
Davidson, Issac F., Portland, Oreg. Adjustable plow. 2,190,056; Feb. 13.
Davidson, John T. (See Williams, P. H., Ganger, Petit, and Davidson.)
Davidson Manufacturing Corporation. (See Davidson, William W., assignor.)
Davidson Manufacturing Corporation. (See Davidson, William W., and Anderson, assignors.)
Davidson Manufacturing Corporation. (See Davidson, William W., and W. W., Jr., assignors.)
Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Folding machine. 2,190,413; Feb. 13.
Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Folding machine. 2,190,415; Feb. 13.
Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Folding machine. 2,190,416; Feb. 13.
Davidson, William W., Evanston, and A. Anderson, Chicago, Ill., assignors to Davidson Manufacturing Corporation. Sheet conveyer. 2,190,418; Feb. 13.
Davidson, William W., Evanston, and W. W. Davidson, Jr., Niles Center, Ill., assignors to Davidson Manufacturing Corporation. Folding machine. 2,190,414; Feb. 13.
Davidson, William W., Jr. (See Davidson, William W. and W. W., Jr.)
Davidson, William W., Jr., Niles Center, Ill., assignor to Davidson Manufacturing Corporation. Folding machine. 2,190,417; Feb. 13.
Davies, Harry, Molding Co. (See Terrill, Clair J., assignor.)
Day, Austin W., Washington, D. C. Fuse crimping tool. 2,189,781; Feb. 13.
Day, Jeremiah C., and W. F. Marshall, Lexington, Ky. Bunion corrector. 2,190,016 Feb. 13.
Dearborn Chemical Company. (See Fager, Eugene P., assignor.)
De Hoff, Hugh C. (See Brown, D. F., and De Hoff.)
De Lavaud, Dimitri S., Paris, France. Rotary engine. 2,189,976; Feb. 13.
Delfs, Detlef. (See Kleiner, H., Delfs, and Bayer.)
Del Mar, William A., Greenwich, Conn., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Impregnated paper insulation for electric cables. 2,190,018; Feb. 13.
Del Mar, William A., Greenwich, Conn., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Electric cable. 2,190,017; Feb. 13.
Demontvignier, Marcel, assignor to Hewittic "Societe Anonyme", Suresnes, France. Control device for rectifiers with ionized vapor. 2,190,353; Feb. 13.
Desmond, James M., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph system. 2,190,540; Feb. 13.
Detroit Lubricator Company. (See Wile, Daniel D., assignor.)
Devoe & Raynolds Co. (See Beames, Walden C., assignor.)
Differential Wheel Corporation. (See Wyatt, Raymond A., assignor.)
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dillon, Harold H., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 2,190,207; Feb. 13.
Dinnick, George M., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lamp with integral cooling radiation. 2,190,313; Feb. 13.
Dinzl, Richard W., Narberth, Pa., assignor to Baldwin-Southwark Corporation. Hydraulic press. 2,189,858; Feb. 13.
Doerr, Frank E., Lynn, Mass. Hair curler. 2,190,057; Feb. 13.
Doggett, Charles F., et al. (See Jones, Jack E., assignor.)
Dohrn, Max, Berlin-Charlottenburg, and H. Nahme, Berlin-Zehlendorf, Germany. Derivatives of 2.6-dihydroxypyridine-4-carboxylic acid and making the same. 2,190,444; Feb. 13.
Donop, August W., assignor to Portable Plating and Equipment Company, Chicago, Ill. Railway car journal hoisting apparatus. 2,189,977; Feb. 13.
Donovan, Alfred W., Quincy, Mass. Manufacture of footwear. 2,190,512; Feb. 13.
Dorr Company, The. (See Dorr, John V., assignor.)
Dorr Company, The. (See Fischer, Anthony J., assignor.)
Dorr Company, The. (See Shafor, R. W., and Kite, assignors.)
Dorr, John V., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Flocculation process and apparatus. 2,190,596; Feb. 13.
Dortort, Isadore K., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electron discharge device control system. 2,189,782; Feb. 13.
Dow, Bartlett A., Portland, Maine. Antislipping device. 2,189,884; Feb. 13.
Dow Chemical Company, The. (See Irons, Carroll, assignor.)
Dow Chemical Company, The. (See Irons, C., and Chamberlain, assignors.)
Dow Chemical Company, The. (See Perkins, Ralph P., assignor.)
Downes, Daniel T., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Mounting for frames in building walls. 2,190,354; Feb. 13.
Doyle, Eugene P. and L. F. Long, Toledo, Ohio. Web splicing device for newspaper presses. 2,190,058; Feb. 13.
Drenko, Fred, Mobile, Ala. Coupled range finder. 2,190,559; Feb. 13.
Dritz, Lawrence, assignor to Dritz-Traum Company, Inc., New York, N. Y. Measuring device. 2,190,597; Feb. 13.
Dritz-Traum Company. (See Dritz, Lawrence, assignor.)
Dull, Waldo N., et al. (See Watson, Pearl A., assignor.)
Du Mont, Allen B., Laboratories, Inc. (See Goldsmith, Thomas T., Jr., assignor.)
Duplex Printing Press Company. (See Ross, W. P. V., and Mars, assignors.)
Du Pont, E. I. de Nemours & Company. (See Banigan, T. F., and Snyder, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ellsworth, Deane C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hahn, Frederick C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Haskins, Joseph F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hershberger, Albert, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lang, J. W., and Black, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lenher, S., and Smith, assignors.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Smith, assignors.)
Du Pont, E. I., de Nemours & Company. (See Zeisberg, Frederick C., assignor.)
Du Pont Film Manufacturing Corporation. (See Morris, Lynn B., assignor.)
Du Pont Film Manufacturing Corporation. (See Sease, Virgil B., assignor.)
Dyke, Herbert J., Toronto, Ontario, Canada. Railway hand brake. 2,189,978; Feb. 13.
Eakle, Smith W. (See Brant, W. S., Lucas, Weaver, and Eakle.)
Ebel, Friedrich. (See Ziese, W., Ebel, and Schneevoigt.)
Eberhart, Felix, Arlington, N. J., assignor to American Can Company, New York, N. Y. Coating machine. 2,189,783; Feb. 13.
Eckelberg, Fred W., Minneapolis, Minn. Christmas tree reflector. 2,190,283; Feb. 13.
Eckman, Merill L., assignor to American Coach & Body Company, Cleveland, Ohio. Welding device. 2,189,784; Feb. 13.
Edmonds, William J., Scarsdale, N. Y., assignor to Standard Oil Development Company. Dewaxing oils with light hydrocarbons. 2,189,885; Feb. 13.
Edstrom, Johan E. V., Stockholm, Sweden, assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,190,470; Feb. 13.
Edwards, Frederick W., assignor to Johnson Laboratories, Inc., Chicago, Ill. Indicating device for tuning mechanisms. 2,190,059; Feb. 13.
Edwards, William F. M., Hinchley Wood, Esher, assignor to Filter Tips Limited, London, England. Cigarette. 2,189,886; Feb. 13.

Elbert, Fritz, Dresden, Germany. Motor driven carriage return mechanism for typewriters. 2,189,942; Feb. 13.
Eisenhüt, Aügust. (See Pier, M., Boente, and Eisenhüt.)
Eisenhüt, Aügust. (See Pier, M., Christmann, Eisenhüt, and Hirschberger.)
Eisinger, Rudolph J., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus. 2,190,171; Feb. 13.
Elsmann Magneto Corporation. (See Tabb, Warner T., assignor.)
Electricooker, Inc. (See Bushway, George H., assignor.)
Electric Selectors Limited. (See Horsfield, Walter R., assignor.)
Electrolux Corporation. (See Edstrom, Johan E. V., assignor.)
Electrolux Corporation. (See Löfgren, Gustaf E., assignor.)
Elgin Sweeper Company. (See Evans, Ronald C., assignor.)
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Refining of petroleum distillates. 2,190,471; Feb. 13.
Ellis, Horace D., assignor to Murphy Radio Limited, London, England. Variable coupling of electrical oscillatory circuits. 2,189,768; Feb. 13.
Ellison, Leslie J. (See Elsome-Jones, R. J., and Ellison.)
Ellsworth, Deane C., deceased, by J. F. Haskins, administrator, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Regenerated cellulose ether product. 2,190,445; Feb. 13.
Elsome-Jones, Ronald J., Mill Hill, London, and L. J. Ellison, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Dry contact metal rectifier. 2,189,887; Feb. 13.
Emulsol Corporation, The. (See Epstein, A. K., and Katzman, assignors.)
Emulsol Corporation, The. (See Katzman, M. B., and Cahn, assignors.)
Endsley, Louis E., Pittsburgh, Pa., assignor to Fairbanks, Morse & Co., Chicago, Ill. Thermal control of internal combustion engines. 2,189,888; Feb. 13.
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,190,355; Feb. 13.
Engel, Walter, Friedrichsanfang, Germany. Molded article of synthetic resin. 2,189,889; Feb. 13.
Engs, William, Oakland, H. P. A. Groll, Berkeley, and A. W. Fairbairn, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated halogen-containing compounds. 2,189,800; Feb. 13.
Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Apparatus for determining pressure and temperature in a well. 2,190,260; Feb. 13.
Epperson, Frank W., et al. (See Browner, William, assignor.)
Epstein, Albert K., and M. Katzman, assignors to The Emulsol Corporation, Chicago, Ill. Quaternary ammonium derivatives of alcohol amine compounds. 2,190,133; Feb. 13.
Erickson, David. (See Le Bus, John E., assignor.)
Evans, Ronald C., assignor to Elgin Sweeper Company, Elgin, Ill. Sweeper. 2,189,859; Feb. 13.
Evarts, Ralph E., assignor to The Bastian-Blessing Co., Chicago, Ill. Pipe joint. 2,190,419; Feb. 13.
Everett, Elwin R., Conklin, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in applying pressure to shoe bottoms. 2,189,943; Feb. 13.
Fager, Eugene P., Winnetka, assignor to Dearborn Chemical Company, Chicago, Ill. Water treating apparatus. 2,190,060; Feb. 13.
Fahrney, Delmer S., U. S. Navy. Wire propeller blade. 2,189,785; Feb. 13.
Failing, George E., Supply Company, The. (See Lang, John P., assignor.)
Fairbairn, Alasdair W. (See Engs, W., Groll, and Fairbairn.)
Fairbanks, Morse & Co. (See Endsley, Louis E., assignor.)
Fairbanks, Morse & Co. (See Grutzner, Fritz P., assignor.)
Farnstrom, Harry L., Erie, Pa., assignor to Talon, Inc. Slide fastener. 2,190,609; Feb. 13.
Faulkner, Harold C. (See Spaine, E. P., and Faulkner.)
Fausek, Arthur J. and I. F., Clayton, Mo. Torch. 2,190,356; Feb. 13.
Fausek, Irwing F. (See Fausek, Arthur J. and I. F.)
Fay, James E., Middletown, Ohio. Arc welding apparatus. 2,190,150; Feb. 13.
Feaster, Edward B., assignor to Universal Winding Company, Cranston, R. I. Tension device. 2,190,261; Feb. 13.
Federal Telegraph Company. (See Lafitte, St. George, assignor.)
Feldmeier, Harvey, and W. Astle, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del. Heat exchange device. 2,190,584; Feb. 13.
Fellis, Preston A. (See King, B., and Fellis.)
Fender, Ferdinand E., Evanston, assignor to Vaughan Novelty Mfg. Co. Inc., Chicago, Ill. Fishing tackle. 2,189,979; Feb. 13.
Ferrughelli, Bartolomeo, New York, N. Y. Proportional slide rule. 2,190,472; Feb. 13.

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Waldschmidt, Ernst, assignor.)
Field, Joseph C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,189,944; Feb. 13.
Filter Tips Limited. (See Edwards, William F. M., assignor.)
Fioritto, Michael, Ottowa Hills, Ohio. Stair tread. 2,190,446; Feb. 13.
Firma Kreidler's Metall & Drahtwerke Gesellschaft mit beschränkter Haftung. (See Staiger, Karl assignor.)
Firth, David, Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Carburetor. 2,190,314; Feb. 13.
Fischer, Anthony J., Jackson Heights, Long Island, assignor to The Dorr Company, Inc., New York, N. Y. Digestion of sewage sludge. 2,190,598; Feb. 13.
Fischer, Friedrich E., Erlenbach, Switzerland. Structural composition of anodes for electro-thermically modulable radiators. 2,189,786; Feb. 13.
Fisher, Richard D., and C. Riley, assignors to White Manufacturing Company, Elkhart, Ind. Loading device. 2,190,061; Feb. 13.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals, Inc., Cleveland, Ohio. Demountable tank body. 2,189,787; Feb. 13.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals, Inc., Cleveland, Ohio. Demountable tank body. 2,189,945; Feb. 13.
Fletcher, Ed. (See Thomas, J. H., Fletcher, and Atkinson.)
Flournoy, Addison H., Washington, D. C. Rotating tooth brush. 2,189,891; Feb. 13.
Flygare, Carl G. (See Garside, J. I., and Flygare.)
Foley, Charles A. (See Brady, Walter W., assignor.)
Folland, Donald. (See Potapenko, G., and Folland.)
Forsblade, Albin, Pasadena, Calif. Holder for sandpaper and the like. 2,189,980; Feb. 13.
Forster, Ernest. (See Sellinger, C., and Forster.)
Foshie, Edgar, Detroit, Mich. Drill machine control apparatus. 2,190,284; Feb. 13.
Foster Brothers Manufacturing Company. (See Foster, Townsend, assignor.)
Foster, Charles W., Kansas City, Mo. Ballot. 2,190,019; Feb. 13.
Foster, Townsend, New Hartford, assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Couch bed. 2,189,946; Feb. 13.
Fournaux, Walthère, Waterloo, Belgium. Preselector device for change speed gears. 2,190,062; Feb. 13.
Foute, Albert J., Chicago, Ill. Bayonet type lamp socket. 2,190,403; Feb. 13.
Fox, Harold D., Pontiac, Mich. Head protector. 2,189,892; Feb. 13.
Frankenburger, Walter and H. Hammerschmid, Ludwigshafen-on-the-Rhine, and G. Roessler, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing aldehyde resins. 2,190,184; Feb. 13.
Frazier, Radford K., assignor to Bendix Radio Corporation, Chicago, Ill. Remote control apparatus. 2,190,447; Feb. 13.
Frederick, Laurence D., and O. T. Bloom, assignors to Industrial Patents Corporation, Chicago, Ill. Calf feeder. 2,190,420; Feb. 13.
Freeman, Michael W., Detroit, Mich. Lubricant. 2,189,788; Feb. 13.
Frei, John, Jr., assignor to The Glolite Corporation, Chicago, Ill. Forming a light diffusing element. 2,189,860; Feb. 13.
French, James W., Anniesland, Glasgow, assignor to Barr and Stroud, Limited, Glasbow, Scotland. Range finder and like optical measuring instrument. 2,190,541; Feb. 13.
Frentzel, Wallmuth R., Chehalis, Wash. Cleaner's garment sizing form. 2,189,789; Feb. 13.
Freygang, Hans-Günther, Berlin-Friedrichshagen, Germany, assignor to General Electric Company. Broadband transformer for push-pull circuits. 2,190,448; Feb. 13.
Friedman, Jacob J. (See Kunold, E. T., and Friedman.)
Friedman, Ruth. (See (Kunold, E. T., assignor), and Friedman.)
Friedrich, Hermann, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Stable suspension of hormone preparations. 2,190,183; Feb. 13.
Friend, August E., Riverside, Calif. Chromatic harmonica. 2,190,633; Feb. 13.
Frommer, Bernard. (See Golub, S., and Frommer.)
Frost, Norman B. (See Vickers, H. F., and Frost.)
Fry, Lawrence A., assignor to Bireley's Incorporated, Los Angeles, Calif. Temperature control means. 2,190,232; Feb. 13.
Fuller, John S., Tulsa, Okla., assignor to Oil Well Supply Company, Dallas, Tex. Pumping apparatus. 2,189,893; Feb. 13.
Funk, Robert V. (See Ennis, George H., assignor.)
Fuqua, Clara L. W., Brownsville, Tex. Sanitary applicator for dogs. 2,190,115; Feb. 13.
Fyler, George W., Stratford, Conn., assignor to General Electric Company. High frequency circuits. 2,190,513; Feb. 13.
Gadd, Edward, et al. (See Hazey, George W., assignor.)
Gaines, Eugene F., deceased, by J. S. Gaines, administratrix, Bala, Pa. Stocking. 2,190,560; Feb. 13.
Gaines, Jean S., administratrix. (See Gaines, Eugene F.)
Gallo, Salvatore F., et al. (See Morrone, William, assignor.)
Ganger, Jesse R. (See Williams, P. H., Ganger, Petit, and Davidson.)
Gano, Orville, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J. Treatment of potatoes to produce dried mashed potatoes. 2,190,063; Feb. 13.
Garbutt, Frank A. (See Hatherell, George A., assignor.)
Gardner, Grandison, March Field, Calif., and H. G. Crocker, Langley Field, Va. Sextant. 2,189,790; Feb. 13.
Garman, George W., Scotia, N. Y., assignor to General Electric Company. Electric valve circuits. 2,190,514; Feb. 13.
Garrison, Ranald M. (See Sharp, D. C., and Garrison.)
Garside, John I., West Boylston, and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,190,134; Feb. 13.
Gary, Wright W., Great Neck, N. Y., and J. S. Carey, Cranford, assignors to The Polymerization Process Corporation, Jersey City, N. J. Manufacture of gasoline-like hydrocarbons. 2,190,624; Feb. 13.
Gasoline Products Co. (See Lobo, Walter E., assignor.)
Gathmann, Emil, assignor to Gathmann Research Incorporated, Catonsville, Md. Producing ingots. 2,190,116; Feb. 13.
Gathmann Research Incorporated. (See Gathmann, Emil, assignor.)
Gaut, Geoffrey C., Romford, D. J. P. Phillips, Croydon, and B. F. Huggins, Barkingside, England, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrolytic cell. 2,190,286; Feb. 13.
Gaut, Geoffrey C., Romford, and D. J. P. Phillips, Croydon, England, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrolytic cell. 2,190,285; Feb. 13.
Geiser, Charlie E., Wichita Falls, Tex. Hydraulically operated clutch. 2,190,542; Feb. 13.
Geist, Adolf, Hazen, N. Dak. Shaker pan. 2,190,262; Feb. 13.
Genecand, Felix. (See Matthee, D., and Genecand.)
General Aniline & Film Corporation. (See Kleiner, H., Delfs, and Bayer, assignors.)
General Bandages, Inc. (See Hinkamp, J. A., and Brasel, assignors.)
General Electric Company. (See Best, Myron A., assignor.)
General Electric Company. (See Cage, John M., assignor.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Freygang, Hans-Günther, assignor.)
General Electric Company. (See Garman, George W., assignor.)
General Electric Company. (See Hahn, William C., assignor.)
General Electric Company. (See Rogers, S. E., and Whiteley, assignors.)
General Electric Company. (See Toda, Yoshiaki, assignor.)
General Electric Company. (See Travers, Fred H., assignor.)
General Electric Company. (See Whiteley, Austyn L., assignor.)
General Electric Company. (See Wright, Daniel K., assignor.)
General Electric Company Limited. (See Jones, Arthur F., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Green, Sven E., assignor.)
General Motors Corporation. (See Hartzell, Herman L., assignor.)
General Motors Corporation. (See Keiper, Francis P., assignor.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See McCarty, Verle E., assignor.)
General Motors Corporation. (See Patch, Earl S., assignor.)
General Motors Corporation. (See Pedder, James F., assignor.)
General Motors Corporation. (See Reeves, Donald H., assignor.)
General Motors Corporation. (See Sittler, Edwin C., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Motors Corporation. (See Woodling, George V., assignor.)
General Railway Signal Company. (See Merkel, Joseph F., assignor.)
General Railway Signal Company. (See Smith, Percy W., assignor.)

Geo-Frequenta Corporation. (See Peterson, Glen, assignor.)
Geo-Frequenta Corporation. (See Potapenko, Gennady, assignor.)
Geo-Frequenta Corporation. (See Potapenko, G., and Folland, assignors.)
Geophysical Research Corporation. (See Hawthorn, D. G., and Owen, assignors.)
Gerland, Harry A., Baltimore, Md. Door and window sash. 2,190,263; Feb. 13.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Michigan. Refrigerator door. 2,190,233; Feb. 13.
Gibbs, Curtis W., assignor to Bottlers Equipment Company, Fort Worth, Tex. Mixing machine. 2,190,421; Feb. 13.
Gillings, Charles. (See Taylor, R., Baker, and Gillings.)
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Replaceable needle point adapter for lubricating devices. 2,190,357; Feb. 13.
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe Oil Tools Company. (See Maxwell, Robert W., assignor.)
Glolite Corporation, The. (See Frei, John, Jr., assignor.)
Goldammer, Clarence L., Milwaukee, Wis. Artificial fish bait. 2,190,449; Feb. 13.
Goldfield, Edwin R., University Heights, Ohio, and C. B. Horsley, Toronto, Ontario, Canada, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube current metering means. 2,189,894; Feb. 13.
Golds, Lionel B. S. (See Whitby, E., and Golds.)
Goldsmith, Thomas T., Jr., Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Mosaic screen. 2,190,020; Feb. 13.
Goldstein, Simon I., Baltimore, Md. Umbrella carrier. 2,190,264; Feb. 13.
Golub, Samuel, and B. Frommer, New York, N. Y. Physician's head mirror. 2,190,473; Feb. 13.
Gooder, Seth M., Deerfield, Ill. Material lock for tunnels. 2,190,064; Feb. 13.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Grant, Jordan W., Portsmouth, Va. Nozzle. 2,190,561; Feb. 13.
Gray, Benjamin F., Jr., Norfolk, Va. Shears. 2,189,791; Feb. 13.
Green, Sven E., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Chucking machine and method. 2,190,208; Feb. 13.
Greer, Edward R. (See Bemis, M. H., Greer, and Morrison.)
Gregory, Alva E., Nashville, Tenn. Bottle cooling rack. 2,190,474; Feb. 13.
Gretsch, Fred, Jr., Forest Hills, N. Y. Bridge for string instruments. 2,190,475; Feb. 13.
Greulich, Gerald G., Mount Lebanon, Pa. Safety band guardrail for highways. 2,189,792; Feb. 13.
Griffin, Francis D., assignor to United Steel & Wire Company, Battle Creek, Mich. Display rack. 2,190,065; Feb. 13.
Griffith, Carroll L., and L. A. Hall, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Sterilization process. 2,189,947; Feb. 13.
Griffith, Carroll L., and L. A. Hall, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Sterilization of pancreatin. 2,189,948; Feb. 13.
Griffith, Carroll L., and L. A. Hall, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Sterilizing colloid materials. 2,189,949; Feb. 13.
Griffith, Earl W., Dalhart, Tex. Inflation signaling device. 2,190,117; Feb. 13.
Griffith Laboratories, Inc., The. (See Griffith, C. L., and Hall, assignors.)
Groll, Herbert P. A. (See Engs, W., Groll, and Fairbairn.)
Grosse, Aristid V. (See Morrell, J. C., and Grosse.)
Grunow, William C. (See Morris, Lloyd P., assignor.)
Grunwald, Albert C., River Forest, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Stop mechanism for towel dispensing apparatus. 2,190,315; Feb. 13.
Grutzner, Fritz Paul, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Heating and ventilating system. 2,189,895; Feb. 13.
Gump, George M., Cincinnati, Ohio. Coil cleaning method. 2,189,950; Feb. 13.
Gunn, Earl G., Jackson, Mich., assignor to Walker Manufacturing Company, Racine, Wis. Jack element. 2,189,981; Feb. 13.
Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 2,189,951; Feb. 13.
Gutzmann, Fritz, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Phase modulation indicator. 2,189,896; Feb. 13.
Gutzmann, Fritz, Fichtenau, Kreis Niederbarnim, and B. Schulze-Herringen, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Modulation system. 2,189,897; Feb. 13.
Guy, Albert E., Mount Vernon, N. Y. Antibacklash attachment for fishing reels. 2,189,952; Feb. 13.
Haberstump, Alfred H., assignor, by mesne assignments, to Bendix Home Appliances, Inc., Detroit, Mich. Support for centrifuges. 2,190,456; Feb. 13.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Making shoes. 2,189,953; Feb. 13.
Haehn, Hugo, Finkenkrug, near Berlin, Germany. Production of glycerin by fermentation. 2,189,793; Feb. 13.
Hagerman, Gilbert H., Dayton, Ohio, assignor, by mesne assignments, to Societe d'Exploitation des Brevets Moineau, Luxembourg, Luxembourg. Method of and apparatus for forming internal threads in a workpiece. 2,189,867; Feb. 13.
Hagerman, Gilbert H., Dayton, Ohio, assignor, by mesne assignments, to Societe d'Exploitation des Brevets Moineau, Luxembourg, Luxembourg. Apparatus for forming external threads in a workpiece. 2,189,868; Feb. 13.
Haglund, Gustaf, Storangen at Stockholm, Sweden. Flowerpot. 2,189,982; Feb. 13.
Hahn, Frederick C., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ethers. 2,190,450; Feb. 13.
Hahn, Otto W., San Francisco, Calif., assignor to Industrial Research Laboratories, Ltd. Fluid fuel burner device. 2,190,099; Feb. 13.
Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Ultra short wave device. 2,190,515; Feb. 13.
Hall, Earle W. (See Haupt, C. H., and Hall.)
Hall, Joseph M., and H. E. Tucker, Chicago, Ill. Change speed gearing. 2,189,794; Feb. 13.
Hall, Lloyd A. (See Griffith, C. L., and Hall.)
Hallett, James T., Indianapolis, Ind. Expansion joint for concrete pavements. 2,189,861; Feb. 13.
Hamburger, Frey, Orange, N. J., now by judicial change of name F. Hardwick, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,190,467; Feb. 13.
Hammerschmid, Herbert. (See Frankenburger, W., Hammerschmid, and Roessler.)
Handelman, H. H., et al. (See Hazey, George W., assignor.)
Handy Containers, Inc. (See Roth, Ludwig, assignor.)
Hans, Martin, Berwyn, Ill. Grille and fender guard for automobiles. 2,190,328; Feb. 13.
Hansell, Clarence W. (See Usselman, G. L., and Hansell.)
Hansen, Herbert, Oak Park, assignor of one-half to Refrigerating Specialties Co., Chicago, Ill. Valve. 2,190,422; Feb. 13.
Hardieck, Walter. (See Wiebecke, W., Moll, and Hardieck.)
Hardin, George F., McKenzie, Tenn. Motor driven fan. 2,190,118; Feb. 13.
Hardwick, Fray. (See Hamburger, Frey.)
Hardy, Arthur C., Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y. Printing plate. 2,190,185; Feb. 13.
Hardy, Arthur C., Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y. Printing plate. 2,190,186; Feb. 13.
Harris, Frederic A., Des Moines, Iowa. Adjustable skate. 2,190,316; Feb. 13.
Harris, Henry H., Champaign, Ill. Chain conveyor for heat-treating furnaces. 2,189,983; Feb. 13.
Harshaw Chemical Company, The. (See Swinehart, Carl F., assignor.)
Hart, William A., Detroit, Mich., assignor to Colonial Broach Company. Broaching machine. 2,189,984; Feb. 13.
Hart, William A., Detroit, Mich., assignor to Colonial Broach Company. Broaching machine. 2,190,067; Feb. 13.
Hartbauer, August W. L., Chicago, Ill. Gasket construction. 2,189,795; Feb. 13.
Hartley, Ralph V. L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System of communication. 2,189,898; Feb. 13.
Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for overcoming pitting of ignition timer contacts. 2,189,899; Feb. 13.
Harvey, Leo M., Los Angeles, Calif. Towel cabinet. 2,190,100; Feb. 13.
Harvey, Leo M., Los Angeles, Calif. Towel cabinet. 2,190,101; Feb. 13.
Haskins, Joseph F., administrator. (See Ellsworth, Deane C.)
Haskins, Joseph F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivatives. 2,190,451; Feb. 13.
Hasselbach, Alexander, F. Luther, and P. Hille, assignors to G. Polysius, Aktiengesellschaft, Dessau, Germany. Heat exchange apparatus. 2,190,234; Feb. 13.
Hastings, James I., Murfreesboro, Tenn. Combination taper square. 2,190,404; Feb. 13.
Hatherell, George A., Roscoe, assignor to F. A. Garbutt, Los Angeles, Calif. Synthetic gum and compounding same. 2,190,021; Feb. 13.
Haupt, Charles H., Elizabeth, and E. W. Hall, Westfield, N. J., assignors to Standard Oil Development Company. Resilient seal for floating roofs. 2,190,476; Feb. 13.
Hawkins, Eugene G., Seattle, Wash. Deaerating frozen foods. 2,190,151; Feb. 13.
Hawley, John B., Jr., assignor to Reconstruction Finance Corporation, Minneapolis, Minn. Rotary radial piston pump. 2,190,066; Feb. 13.

Hawthorn, David G., and J. E. Owen, Tulsa, Okla., assignors to Geophysical Research Corporation, New York, N. Y. Drill stem circuit tester. 2,189,900; Feb. 13.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazey, George W., Cleveland, Ohio, assignor of twenty-five per cent to R. C. Tuma, Los Angeles, Calif., six and two-thirds to H. H. Handelman, Cleveland, ten per cent to E. Gadd, Leavittsburg, and twenty-five per cent to E. C. Tuma, Cleveland, Ohio. Apparatus for eliminating pipe, etc., in metals. 2,190,209; Feb. 13.
Heaps, John and J. M., New Westminster, British Columbia, Canada. Saw setting device for edgers. 2,190,152; Feb. 13.
Heaps, John M. (See Heaps, John and J. M.)
Hecht, Hermann. (See Hubert, E., Pabst, and Hecht.)
Hedenburg, Oscar F., Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio. Resolving emulsions. 2,190,022; Feb. 13.
Heitzel, John N., Warren, Ohio. Road building machine. 2,190,562; Feb. 13.
Hendryx, Andrew B., Company. (See Hoefler, Herbert G., assignor.)
Henrichsen, Knut, Bridgeport, Conn., and C. J. Leisy, Towson, Md., assignors to United Aircraft Corporation, East Hartford, Conn. Beaching gear. 2,190,358; Feb. 13.
Henricson, Axel E., Walnut Lake, assignor to Motor Products Corporation, Detroit, Mich. Windshield frame bending machine. 2,190,423; Feb. 13.
Henry Furnace & Foundry Company. (See Curtis, Herbert F., assignor.)
Henschler, Ewald, Blue Island, Ill. Lavatory device. 2,190,068; Feb. 13.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Metal composition. 2,189,755; Feb. 13.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Molybdenum composition. 2,189,756; Feb. 13.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Refractory carbide composition. 2,190,477; Feb. 13.
Hersey, Arthur J., and C. L. Madden, Minneapolis, Minn. Car wheel. 2,189,901; Feb. 13.
Hershberger, Albert, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber hydrochloride. 2,190,287; Feb. 13.
Herzinger, Carl B., Los Angeles, Calif. Garment hanger. 2,190,102; Feb. 13.
Hewittic 'Societe Anonyme". (See Demontvignier, Marcel assignor.)
Heyns, Kurt. (See Dalmer, O., and Heyns.)
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Dry-sealing envelope or container. 2,190,023; Feb. 13.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Dry-sealing envelope and the packing of same. 2,190,024; Feb. 13.
Hibbard, Russell J., Manette, Wash. Golf ball marking device. 2,189,757; Feb. 13.
Hickok, Willard, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Making mosaic electrodes. 2,189,986; Feb. 13.
Hickok, Willard H., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrode structure. 2,189,985; Feb. 13.
Higham, William W., assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerator evaporator 2,190,288; Feb. 13.
Higham, William W., assignor to Universal Cooler Corporation, Detroit, Mich. Refrigerating apparatus. 2,190,289; Feb. 13.
Hille, Paul. (See Hasselbach, A., Luther, and Hille.)
Hinkamp, Joseph A., and H. R. Brasel, assignors to General Bandages, Inc., Chicago, Ill. Gauze bandage. 2,190,378; Feb. 13.
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tractor attachment. 2,190,359; Feb. 13.
Hirschberger, Willy. (See Pier, M., Christmann, Eisenhut, and Hirschberger.)
Hiser, Ernest F., Oklahoma City, Okla. Educational device. 2,189,902; Feb. 13.
Hi-Speed Tire and Accessory Company. (See Schnebelen, Paul A., assignor.)
Hi-Way Service Corporation. (See Kerber, Joseph H., assignor.)
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combination lighter and burner support for gas stoves. 2,189,796; Feb. 13.
Hoe, R., & Co. (See Horton, Albert J., assignor.)
Hoefler, Herbert G., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 2,190,119; Feb. 13.
Hoepli & Co. (See Smeby, Adolph H., assignor.)
Hoffman Specialty Company. (See Simpson, William K., assignor.)
Hokerk, Lynde D., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Transparent container. 2,189,955; Feb. 13.
Holley, Earl, et al. (See Kittler, Milton J., assignor.)
Holley, George M., et al. (See Kittler, Milton J., assignor.)
Hollmann, Hans E., Berlin-Lichterfelde, Germany, assignor to Radio Patents Corp., New York, N. Y. Space discharge device. 2,190,069; Feb. 13.
Holmes, Curtis, assignor to Taywal Corporation, Chattanooga, Tenn. Gun for spraying metal. 2,190,153; Feb. 13.
Holst, Poul F. G., Daklyn, N. J., assignor to Radio Corporation of America. Battery operated radio apparatus. 2,190,317; Feb. 13.
Holzer, Hiram A., assignor to United Iron Works Company, Pittsburg, Kans. Pumping unit. 2,190,070; Feb. 13.
Hooper, Lester B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating on sheet material. 2,189,797; Feb. 13.
Horsfield, Walter R., assignor to Electric Selectors Limited, Welwyn Garden City, England. Sorting apparatus. 2,190,563; Feb. 13.
Horsley, Caperton B. (See Goldfield, E. R., and Horsley.)
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web tensioning mechanism. 2,190,379; Feb. 13.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate clamping mechanism. 2,190,380; Feb. 13.
How, Harlan W., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa. Liquid level control mechanism. 2,189,903; Feb. 13.
Howard, John H., Whittier, Calif. Apparatus for making toothed cutters and the like. 2,190,360; Feb. 13.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,190,154; Feb. 13.
Hoyer, Hans. (See Kaupp, J., Ritzenthaler, Schuster, and Hoyer.)
Huber, Harry W., Brookville, Pa. Drilling apparatus. 2,190,235; Feb. 13.
Huber, J. M., Corporation. (See Blackburn, Claude E., assignor.)
Hubert, Emil, Dessau in Anhalt, H. Pabst, Dormagen, near Cologne, and H. Hecht, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Spinning artificial threads. 2,190,265; Feb. 13.
Huesing, Adolph, Passaic, N. J. Cigarette dispenser. 2,189,954; Feb. 13.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Handle structure for saidirons and the like. 2,190,361; Feb. 13.
Huggins, Benjamin F. (See Gaut, G. C., Phillips, and Huggins.)
Hull, Carl M., assignor to Standard Oil Company, Chicago, Ill. Olefin separation. 2,190,025; Feb. 13.
Humoco Corporation. (See Moore, George Arlington, assignor.)
Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania. 2,190,405; Feb. 13.
Hunt, Myron E., Indianapolis, Ind. Cemetery vase. 2,190,424; Feb. 14.
Hurd, William, Troy, assignor to Wright's Underwear Company, Inc., New York, N. Y. Underwear. 2,190,425; Feb. 13.
Hurst, Max. (See Weber, J., Stoll, and Hurst.)
Hutchinson, Job, Great Neck, assignor to Visual Merchandiser, Inc., New York, N. Y. Display sign. 2,190,426; Feb. 13.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frankenburger, W., Hammerschmid, and Roessler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hubert, E., Pabst, and Hecht, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kaupp, J., Ritzenthaler, Schuster, and Hoyer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Boente, and Eisenhut, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Christmann, Eisenhut, and Hirschberger, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ziese, W., Ebel, and Schneevoigt, assignors.)
Idzal, Milton M., Sioux City, Iowa. Stereoscopic picture device. 2,190,516; Feb. 13.
Imperial Chemical Industries Limited. (See Taylor, James, assignor.)
Industrial Engineering Corporation. (See Miller, William F., assignor.)
Industrial Patents Corporation. (See Frederick, L. D., and Bloom, assignors.)
Industrial Patents Corporation. (See McKee, Harry H., assignor.)
Industrial Research Laboratories, Ltd. (See Hahn, Otto W., assignor.)
Insko, Robert D., Paris, Ky. Hydraulic brake for motorcycles and bicycles. 2,189,904; Feb. 13.
Interchemical Corporation. (See Hardy, Arthur C., assignor.)
International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)
International Harvester Company. (See Acton, Russel D., assignor.)
International Harvester Company. (See Bach, Abel W., assignor.)
International Harvester Company. (See Hipple, James L., assignor.)

International Standard Electric Corporation. (See Brown, Andrew, assignor.)
International Standard Electric Corporation. (See Elsome-Jones, R. J., and Ellison, assignors.)
International Standard Electric Corporation. (See Kobayashi, M., Osawa, and Otake, assignors.)
International Standard Electric Corporation. (See Reinken, Louis W., assignor.)
Iowa Manufacturing Company. (See Pollitz, Harold C., assignor.)
Irons, Carroll, assignor to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,189,798; Feb. 13.
Irons, Carroll, assignor to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,189,799; Feb. 13.
Irons, Carroll, and L. C. Chamberlain, assignors to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,189,800; Feb. 13.
Ivie, Horace L. (See Ivie, James O. and H. L.)
Ivie, James O. and H. L., Logan, Utah. Scoreboard. 2,190,543; Feb. 13.
Jackson, Howard A., Cleveland Heights, Ohio. Pig-metal casting machine. 2,190,406; Feb. 13.
Jacobson, Robert, New York, N. Y. Time controlled mechanism for coin controlled automatic phonographs. 2,190,026; Feb. 13.
Jarnagin, Kossuth W., Kirkwood, Mo. Christmas tree base ornament and support. 2,190,544; Feb. 13.
Jennings, Oliver S., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,190,517; Feb. 13.
Johanson, Magnus H. (See Blomfield, F. C., and Johanson.)
Johns-Manville Corporation. (See Powell, Edward R., assignor.)
Johnson, Albin, Detroit, Mich. Inserted blade cutter tool. 2,189,801; Feb. 13.
Johnson, Axel A., Holly, Mich. Cleaning implement. 2,190,427; Feb. 13.
Johnson, Herman K., Grand Haven, Mich., assignor to The Bastian-Blessing Co., Chicago, Ill. Control and warning circuit. 2,190,428; Feb. 13.
Johnson Laboratories, Inc. (See Edwards, Frederick W., assignor.)
Johnson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)
Johnson Laboratories, Inc. (See Sinninger, Dwight V., assignor.)
Johnston, Donald F., Pelham, and J. B. Shiel, Glen Head, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone signaling system. 2,189,769; Feb. 13.
Jolly, Oscar W., West Springfield, assignor to Springfield Photo Mount Co., Holyoke, Mass. Notebook. 2,190,625; Feb. 13.
Jones, Arthur F., assignor to The General Electric Company Limited, Coventry, England. Telephone circuit. 2,190,155; Feb. 13.
Jones, Charles M., Yakima, Wash. Optical instrument. 2,190,564; Feb. 13.
Jones, Homer. (See Money, R. H., and Jones.)
Jones, Jack E., High Point, assignor of twenty per cent to C. H. Doggett, Greensboro, twenty per cent to J. R. Curry, twenty per cent to A. Betts, and twenty per cent to J. K. Brown, High Point, N. C. Self-feeding brush. 2,190,599; Feb. 13.
Jones & Laughlin Steel Corporation. (See Keener, Howard N., assignor.)
Jordan, Henry E., Los Angeles, Calif. Liquid detecting device. 2,190,027; Feb. 13.
Joyce, Richard E., Jr., Meriden, Conn. Automobile door latch. 2,190,518; Feb. 13.
Joyce, Robert M., Greenville, Miss. Slip-stream mixer. 2,190,565; Feb. 13.
Julian, Clifford E., Fort Lauderdale, Fla. Beach accessory. 2,190,566; Feb. 13.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Display stand. 2,190,567; Feb. 13.
Junghans, Helmut, Schramberg-Sulgen, Germany. Pallet lever for clockwork mechanisms. 2,190,156; Feb. 13.
Junghans, Helmut, Schramberg-Sulgen, Germany. Centrifugal operating means for fuses. 2,190,157; Feb. 13.
Junghans, Helmut. Schramberg-Sulgen, Germany. Clock case of stoneware or like brittle material. 2,190,158; Feb. 13.
Kaber, Joseph W., Shaker Heights, Ohio. Decalcomania and preparing same. 2,190,210; Feb. 13.
Kaboskey, Benjamin F., and C. J. Walczak, Milwaukee, Wis. Retrieving device. 2,190,531; Feb. 13.
Kalbskopf, Walter, assignor to Suddeutsche Apparatefabrik, Nuremberg, Germany. Rectifier device. 2,189,905; Feb. 13.
Karlsson-Ygger, Albert, Stockholm, Sweden. Recording weighing instrument. 2,189,802; Feb. 13.
Katsch, Annemarie, Berlin-Lichterfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electronic discharge tube. 2,189,906; Feb. 13.
Katzman, Morris. (See Epstein, A. K., and Katzman.)
Katzman, Morris B., and F. J. Cahn, assignors to The Emulsol Corporation, Chicago, Ill. Thickening of solutions. 2,189,803; Feb. 13.
Kaupp, Josef, B. Ritzenthaler, and C. Schuster, Ludwigshafen-on-the-Rhine, and H. Hoyer, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Secondary mixed aliphatic-cyclic alcohols. 2,190,600; Feb. 13.
Kearfott Engineering Company. (See Kraemer, Waldo L., assignor.)
Keener, Howard N., Baden, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Well casing. 2,190,362; Feb. 13.
Keevil, Henry W. (See Barnes, W. C., and Keevil.)
Keiper, Francis P., Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio. Ice tray. 2,190,502; Feb. 13.
Kellems, Edgar E., Eugene, Oreg. Deformation control for resilient bodies and the like. 2,189,987; Feb. 13.
Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Damping system. 2,190,318; Feb. 13.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Rolling machine. 2,190,429; Feb. 13.
Kenmore Machine Products, Inc. (See Smith, George W. and J. A., assignors.)
Keppers, William M., Portland, Oreg. Calculating protractor. 2,190,071; Feb. 13.
Kerber, Joseph H., assignor to Hi-Way Service Corporation, Milwaukee, Wis. Scraping apparatus. 2,190,452; Feb. 13.
Kerk Guild, Inc. (See Hokerk, Lynde D., assignor.)
Keys, Opie P., Jonesboro, Tenn. Grain washer and drier. 2,190,072; Feb. 13.
Kielmeyer, Berman G., et al. (See Mattison, Thomas E., assignor.)
King, Bernard, and P. A. Fellis, Wichita, Kans. Compressing mold for ground meat or the like. 2,190,236; Feb. 13.
King, Clifford C., Kilgore, Tex. Sand pump. 2,190,407; Feb. 13.
King, Van Houden, Jr. (See Robinson, J. F., and King.)
King, William H., New Orleans, La., and C. Q. Sheely, State College, Miss.; said King assignor to said Sheely. Oxidation of hydrocarbons. 2,190,453; Feb. 13.
Kirschbraun, Lester, assignor to The Patent and Licensing Corporation, New York, N. Y. Covering material. 2,190,028; Feb. 13.
Kirsebom, Gustaf N., Westbury-on-Trym, Bristol, assignor to Calloy Limited, London, England. Preparing alloys of calcium with aluminum. 2,190,290; Feb. 13.
Kite, Robert P. (See Shafor, R. W., and Kite.)
Kittler, Milton J., Detroit, Mich., assignor to G. M. Holley and E. Holley. Power control. 2,189,907; Feb. 13.
Kleiner, Helmut, Cologne-Mulheim, and D. Delfs and O. Bayer, Leverkusen-Wiesdorf, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs. 2,190,172; Feb. 13.
Kleinknecht, William J., Garden City, N. Y., assignor to American District Telegraph Company, Inc., Jersey City, N. J. Tube coupling and method and apparatus for making same. 2,190,478; Feb. 13.
Knapp, Leland G., Chicago, and T. V. Parke, Glen Ellyn, assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill. Agitator for washing machines. 2,189,862; Feb. 13.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Knight-Monarch Company. (See Knapp, Raymond, assignor.)
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knapp, Raymond, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo. Electrical fitting for cord sets. 2,190,363; Feb. 13.
Knight, Herbert M., Montclair, N. J. Sheet piling. 2,189,804; Feb. 13.
Knight, Hugh, Claremont, Calif., assignor, by mesne assignments, to Shell Development Company. Oil tree spray. 2,190,173; Feb. 13.
Knight, William W., assignor to Roth Rubber Company, Cicero, Ill. Apparatus for treating rubber. 2,190,266; Feb. 13.
Knudsen, Charles T., Chicago, Ill. Train control system. 2,190,073; Feb. 13.
Kobayashi, Masatsugu, J. Osawa, and K. Otake, Mita, Shibaku, Tokyo, Japan, assignors to International Standard Electric Corporation, New York, N. Y. Manufacturing a selenium rectifier. 2,189,908; Feb. 13.
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Automatic tuning system. 2,190,319; Feb. 13.
Koehring Company. (See Sheck, Oscar, assignor.)
Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making a composite metal structure. 2,190,237; Feb. 13.
"Koh-i-noor" tuškárna L. & C. Hardtmuth. (See Zückert, Richard, assignor.)
Köhler, Johannes, Berlin-Grunewald, Germany. Oil actuated braking system for vehicles. 2,190,120; Feb. 13.
Komow, Albert P., New York, N. Y. Sharpening attachment for cloth-cutting machines. 2,189,863; Feb. 13.
Kopke, Earnest W., Baton Rouge, La. Cane mill. 2,190,029; Feb. 13.
Koppers Company. (See Malkomes, Walter, assignor.)
Koppers Company. (See Salkrust, Gustof E., assignor.)

Kops Brothers, Inc. (See Kops, Waldemar, assignor.)
Kops, Waldemar, assignor to Kops Brothers, Inc., New York, N. Y. Apparel garment. 2,190,030; Feb. 13.
Körber, Emil, and G. Schaller, assignor to Buddeutsche Apparatefabrik, Nuremberg, Germany. Rectifier system. 2,189,909; Feb. 13.
Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc. Window construction. 2,189,758; Feb. 13.
Kramar, Ernst, assignor to Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Antenna arrangement. 2,189,910; Feb. 13.
Krambeer, Karl-Heinrich, Berlin-Spandua, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric filter. 2,190,430; Feb. 13.
Krupp, Fried., Aktiengesellschaft. (See Nuding, Emil, assignor.)
Krupp Nirosta Co. (See Schafmeister, Paul, assignor.)
Kunold, Edward T., and J. J. Friedman, Omaha, Nebr.; said Kunold assignor to R. Friedman. Storm sash hanger. 2,190,187; Feb. 13.
Kurzina, Stanley B., Jr., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Coaster brake and making same. 2,189,956; Feb. 13.
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyl phenols and manufacturing the same. 2,189,805; Feb. 13.
Ladd, George D. (See Petersen, Frank C., assignor.)
Lafitte, St. George, Summit, assignor to Federal Telegraph Company, Newark, N. J. Display sign control mechanism. 2,189,911; Feb. 13.
Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Keyboard perforator transmitter. 2,190,291; Feb. 13.
Lambert, Donald R., Carshalton, England. Temperature-actuated mechanism. 2,190,545; Feb. 13.
Landis & Gyr, A-G. (See Whitby, E., and Golds, assignors.)
Landis Tool Company. (See Balsiger, Harold E., assignor.)
Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. Interference reduction system. 2,190,292; Feb. 13.
Landsiedel, Harry, Wilton, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Holder for line justifying sheets. 2,190,188; Feb. 13.
Lang, John P., assignor to The George E. Failing Supply Company, Enid, Okla. Gear box for drilling apparatus. 2,189,912; Feb. 13.
Lang, Joseph W., Woodstown, N. J., and C. K. Black, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,189,806; Feb. 13.
La Plant-Choate Manufacturing Co. (See Austin, Ellsworth W., assignor.)
Lassen, Alma M., New York, N. Y. Game. 2,190,031; Feb. 13.
Lattemann, Emil, Waldfischbach/Palatinate, Germany. Detorsion shoe. 2,190,568; Feb. 13.
Laube, Otto T., East Orange, N. J., assignor to American Telephone and Telegraph Company. Control circuit for radio receivers. 2,190,546; Feb. 13.
Lavallee, Louis J. A., Springfield, Mass. Antiskid tread for stairs, floors, and the like. 2,190,211; Feb. 13.
La Van, Frank, Bryn Mawr, Wash. Attachment for carrying batteries suspended on a belt. 2,190,601; Feb. 13.
Leach, Ernest C., West Peabody, assignor to Lynn Products Company, Lynn, Mass. Wick for distillate burners. 2,190,519; Feb. 13.
Leach, Robert W., Newport, England. Cock or valve. 2,190,602; Feb. 13.
Leary, James W., Bloomfield, N. J., assignor to American Machine & Foundry Company. Former for cigarette machines. 2,190,032; Feb. 13.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Thread picker for vacuum-cleaner nozzles. 2,190,329; Feb. 13.
Le Bus, John E., Electra, assignor to D. Erickson, Wichita Falls, Tex. Combination elevator and wrench. 2,190,547; Feb. 13.
Leisy, Clifford J. (See Henrichsen, K., and Leisy.)
Lenher, Samuel, and J. E. Smith, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Washing of discharge prints. 2,189,807; Feb. 13.
Leone, Daniel T., C. Pagano, and A. Cosentino, Newburgh, N. Y. Draft tube for beer apparatus. 2,190,634; Feb. 13.
Lepersonne, Octave, Brussels, Belgium. Hydrocompound braking system. 2,190,238; Feb. 13.
Lester, Paul S., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Photoelectric device. 2,189,988; Feb. 13.
Lévesque, Jean J., Bagotville, Quebec, Canada. Manufacture of wood tar-formaldehyde resins. 2,190,033; Feb. 13.
Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Making waterproof sheets or boards. 2,190,034; Feb. 13.
Lewison, Edward F., Chicago, Ill. X-ray opaque sponge. 2,190,431; Feb. 13.
Lichtman, Sol S., New York, N. Y. Test tube holder. 2,189,989; Feb. 13.
Light, Albert T., assignor to York Ice Machinery Corporation, York, Pa. Making a welded joint. 2,190,267; Feb. 13.
Limberg, Wayne, et al. (See Browner, William, assignor.)
Linde Air Products Company, The. (See Bucknam, J. H., and Miller, assignors.)
Line Material Company. (See Schultz, William O., assignor.)
Liston, John, assignor to Novelty Lighting Corporation, Cleveland, Ohio. Lamp cap for luminescent tubes or fluorescent lamps. 2,190,364; Feb. 13.
Little, Edwin G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,190,520; Feb. 13.
Liverance & Van Antwerp. (See Vanderveld, Anthony, assignor.)
Lobo, Walter E., Westfield, assignor to Gasoline Products Co., Inc., Newark, N. J. Heating hydrocarbon fluids. 2,190,635; Feb. 13.
Locher, Ross E., Peoria, Ill. Welder's helmet. 2,190,074; Feb. 13.
Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)
Loewenberg, Fritz, New York, N. Y. Exposure meter. 2,190,159; Feb. 13.
Loew's Incorporated. (See Bossart, John, assignor.)
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Filter. 2,190,103; Feb. 13.
Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Reversing roll-over toy. 2,189,759; Feb. 13.
Long, Leo F. (See Doyle, E. P., and Long.)
Lorenz, C., Aktiengesellschaft. (See Gutzmann, Fritz, assignor.)
Lorenz, C., Aktiengesellschaft. (See Gutzmann, F., and Schultze-Herringen, assignors.)
Lorenz, C., Aktiengesellschaft. (See Katsch, Annemarie, assignor.)
Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
Lorenz, C., Aktiengesellschaft. (See Messner, Maximilian, assignor.)
Lorenz, C., Aktiengesellschaft. (See Scharfnagel, Rudolf, assignor.)
Lorenz, C., Aktiengesellschaft. (See Zigafke, Ernst, assignor.)
Loungway, Arthur M., Endicott, N. Y. Traffic signal. 2,190,035; Feb. 13.
Love, Dumont, St. Augustine, Fla. Locomotive wedge bolt nut lock device. 2,190,075; Feb. 13.
Love, Dumont, St. Augustine, Fla. Locomotive wedge bolt nut lock device. 2,190,076; Feb. 13.
Lovett, Victor J. (See McCollum, A. O., and Lovett.)
Lowe, Russell E. (See Morgan, J. D., and Lowe.)
Lowe, Weston, Blackfoot, Idaho. Combination cigarette package and matches. 2,190,408; Feb. 13.
Lucas, George J. (See Brant, W. S., Lucas, Weaver, and Eakle.)
Lucas, Owen D. (See Pleydell-Bouverie, C., and Lucas.)
Lukomski, Stanley, Detroit, Mich. Adjustable leveling drain head. 2,190,532; Feb. 13.
Lundblad, Carl E., St. Paul, Minn. Meat tenderer. 2,189,957; Feb. 13.
Luther, Fritz. (See Hasselbach, A., Luther, and Hille.)
Lydecker, Kenneth. (See Vogt, Ludwig E., assignor.)
Lynn Products Company. (See Leach, Ernest C., assignor.)
Macdonald, Eugene M., Shaker Heights, Ohio. Fare box telltale device. 2,190,212; Feb. 13.
MacDonald, Robert A., Greenwich, Conn., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Lock nut. 2,190,174; Feb. 13.
Macgill, Charles D., assignor to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Optical sighting apparatus. 2,190,569; Feb. 13.
Mackay Radio and Telegraph Company. (See Alford, Andrew, assignor.)
Macleod, Donald K. (See Montgomery, J. R., Schulz, and Macleod.)
MacNeill, John J., New York, N. Y. Water heater. 2,190,454; Feb. 13.
MacPherson, Benjamin F., San Francisco, Calif. Alarm device. 2,190,533; Feb. 13.
Madden, Charles L. (See Hersey, A. J., and Madden.)
Magid, Philip, Brooklyn, N. Y. Swivel device. 2,190,268; Feb. 13.
Maier, Karl, Meaux, France. Nonraveling knitted fabric. 2,190,409; Feb. 13.
Major, Randolph T. (See Addinall, C. R., and Major.)
Major, Randolph T., Plainfield, and H. T. Bonnett, assignors to Merck & Co., Inc., Rahway, N. J. β-alkyl chlorine salts and intermediates and their production. 2,189,808; Feb. 13.
Major, Randolph T., Plainfield, and W. L. Ruigh, Princeton, assignors to Merck & Co., Inc., Rahway, N. J. Stabilized divinyl ether. 2,189,810; Feb. 13.
Majusiek, Walter, Lakewood, assignor of one-third to W. L. Pierce, Cleveland, Ohio. Bolt nutting machine. 2,190,077; Feb. 13.
Malhiot, Clarence J. (See Milmoe, M. J., and Malhiot.)
Malkomes, Walter, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Production of combustible gases from bituminous fuels. 2,190,293; Feb. 13.

Mallory, Clifton, Auburn, N. Y. Air furnace. 2,190,410; Feb. 13.
Mallory, P. R., & Co. (See Gaut, G. C., and Phillips, assignors.)
Mallory, P. R., & Co. (See Gaut, G. C., Phillips, and Huggins, assignors.)
Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)
Man-Sew Pinking Attachment Corp. (See Sigoda, Victor J., assignor.)
Marglin, George, Port Washington, assignor to Aeroflex Laboratories, Incorporated, Long Island City, N. Y. Spark plug and making the same. 2,190,269; Feb. 13.
Markowitz, Jerome, Allentown, Pa. Low frequency oscillator. 2,190,078; Feb. 13.
Mars, Donald H. (See Ross, W. P., V., and Mars.)
Marshall, William F. (See Day, J. C., and Marshall.)
Martine, Edmund S., Los Angeles, Calif. Submersible chamber. 2,190,330; Feb. 13.
Marx, Louis, & Company. (See Lohr, R. J., and Carver, assignors.)
Mason, Julian L., and G. L. McNabb, Gastonia, N. C. Flushing mechanism for toilet tanks. 2,190,160; Feb. 13.
Massachusetts Engineering Co. (See Cormier, Frank L., assignor.)
Mateer, George L. (See Nichols, H. J., Jr., and Mateer.)
Matthee, Dimi, and Félix Genecand, Geneva, Switzerland. Fitting for fixing skins to skis. 2,189,760; Feb. 13.
Mattison, Thomas E., Northfield, assignor of twenty-five per cent to B. G. Kielmeyer, and fifteen per cent to A. J. St. Martin, Faribault, Minn. Sectional crankshaft. 2,190,411; Feb. 13.
Maxwell, Robert W., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Cutter and bearing assembly. 2,190,365; Feb. 13.
Mayo Woolen Mills, Inc. (See Bussiere, Frank H., assignor.)
McCarty, Verle E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,189,913; Feb. 13.
McCollum, Andrew O., and V. J. Lovett, assignors to Bendix Home Appliances, Inc., Detroit, Mich. Support for centrifuges. 2,190,455; Feb. 13.
McCoy, Clifford T., Shawnee, Okla. Separating oil and gas. 2,190,104; Feb. 13.
McDaniel, Ernest C., assignor, by mesne assignments, to Trailwagons Incorporated, Denver, Colo. Trailer hitch. 2,189,864; Feb. 13.
McGill, John H., Winchester, assignor to B. B. Chemical Co., Boston, Mass. Heel construction. 2,189,811; Feb. 13.
McGill, John H., Winchester, and W. H. Wedger, Belmont, assignors to B. B. Chemical Co., Boston, Mass. Shoe heel construction. 2,189,812; Feb. 13.
McGuire, Clarence V., Grosse Pointe, Mich., assignor to Airfilm Corporation. Composite pneumatic material. 2,189,813; Feb. 13.
McKee, Harry H., assignor to Industrial Patents Corporation, Chicago, Ill. Sausage treating apparatus. 2,190,432; Feb. 13.
McKenna-Rott Equipment Corp. (See McKenna, William, assignor.)
McKenna, William, Erie, Pa., assignor to McKenna-Rott Equipment Corp., New York, N. Y. Apparatus for washing hollow vessels. 2,189,761; Feb. 13.
McNabb, Glenn L. (See Mason, J. L., and McNabb.)
McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Circulating system and valve for controlling the same. 2,189,814; Feb. 13.
McMurry, Paul E., Concordia, Kans. Pipe line pressure neutralizer. 2,190,412; Feb. 13.
Mead, Roy M., Asheville, N. C., assignor to American Gas Service Company, Lima, Ohio. Gas generating apparatus. 2,190,366; Feb. 13.
Mead, Roy M., Asheville, N. C., assignor to American Gas Service Company, Lima, Ohio. Gas generator. 2,190,367; Feb. 13.
Meier, Wilber L., North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Gas discharge X tube. 2,190,079; Feb. 13.
Mellor, Albert, and W. Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America. Application of liquids to materials. 2,189,914; Feb. 13.
Mellor, Albert, and W. Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America. Drying of layers or sheets of material. 2,189,915; Feb. 13.
Menger, Adolf, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio. Adhesive. 2,190,239; Feb. 13.
Merck & Co. (See Addinall, C. R., and Major, assignors.)
Merck & Co. (See Major, R. T., and Bonnett, assignors.)
Merck & Co. (See Major, R. T., and Ruigh, assignors.)
Merck & Co. Inc. (See Dalmer, O., and Heyns, assignors.)
Merck & Co. Inc. (See Zima, Otto, assignor.)
Mergenthaler Linotype Company. (See Brandenburg, Hermann, assignor.)
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Armature hinge for relays. 2,190,381; Feb. 13.
Messner, Maximilian, Berlin-Westend, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Television receiver. 2,189,916; Feb. 13.
Metallurgica Bresciana Già Tempini Società Anonima. (See Orlando, Luigi, assignor.)
Meyer, Henry F., University Heights Station, Ohio. Way guard for machine tools. 2,190,213; Feb. 13.
Micro Switch Corporation. (See Riche, Arthur L., assignor.)
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Middlemiss, Austin O., Portland, Oreg. Fish lure. 2,189,958; Feb. 13.
Mill, Gjon, Upper Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Light source for projection systems. 2,190,294; Feb. 13.
Miller, Alfred J. (See Bucknam, J. H., and Miller.)
Miller, David I., Albany, Oreg. Pruning shears. 2,190,503; Feb. 13.
Miller, Frank. (See Zimka, J., and Miller.)
Miller, Joseph, et al. (See Morrone, William, assignor.)
Miller, Mary S. (See Culmer, Harry H., assignor.)
Miller, Robert A., Plainfield, and H. C. Rubly, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,190,295; Feb. 13.
Miller, Robert L., Webb City, Mo. Fender for plows. 2,190,240; Feb. 13.
Miller, William F., assignor to Industrial Engineering Corporation, Evansville, Ind. Electrically operated time switch. 2,190,603; Feb. 13.
Milmoe, Michael J., Glen Ellyn, and C. J. Malhiot, Oak Park, assignors to F. B. Redington Co., Chicago, Ill. Article feeding mechanism. 2,190,620; Feb. 13.
Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)
Miner, James H., Meridian, Miss. Ice tray. 2,189,917; Feb. 13.
Miner, Ralph K. (See Dalzell, C. B., and Miner.)
Minerals Beneficiation Incorporated. (See Rakowsky, V., and Arms, assignors.)
Mining Process and Patent Company. (See Daman, Arthur C., assignor.)
Misciattelli, Paolo, Rome, Italy. Obtaining copper linings. 2,190,121; Feb. 13.
Mission Manufacturing Company. (See Sharp, D. C., and Garrison, assignors.)
Mock, Stanley H., Honolulu, Hawaii. Coconut grater. 2,190,105; Feb. 13.
Mohler, David D., Syracuse, N. Y. Power transmission. 2,190,122; Feb. 13.
Moll, F. W., Söhne, Maschinenfabrik. (See Wiebecke, W., Moll, and Hardieck, assignors.)
Moll, Friedrich W. (See Wiebecke, W., Moll, and Hardieck.)
Monad Corporation. (See Shafer, Julius E., assignor.)
Moncrieff, Robert W., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials of natural or artificial origin. 2,189,918; Feb. 13.
Money, Roland H., and H. Jones, assignors to The Crosley Corporation, Cincinnati, Ohio. Ice cube tray grid. 2,189,959; Feb. 13.
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Montgomerie, John A., Cambuslang, and P. K. Archibald, Rutherglen, Scotland, assignors to American Bitumuls Company, San Francisco, Calif. Production of bituminous emulsions. 2,190,604; Feb. 13.
Montgomery, John R., Youngstown, W. F. Schulz, and D. K. Macleod, Shaker Heights, assignors to Truscon Steel Company, Youngstown, Ohio. Metal window. 2,189,960; Feb. 13.
Montgomery Ward & Co. (See Knapp, L. G., and Parke, assignors.)
Moore, Frank J., Woodbury, N. J., assignor to Plastics Molding Corporation. Cold molding plastic materials. 2,190,605; Feb. 13.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Making containers. 2,190,479; Feb. 13.
Moore, Robert E., Park Ridge, Ill. Heating system. 2,190,382; Feb. 13.
Moore, Thomas V., Houston, Tex., assignor to Standard Oil Development Company. Method and apparatus for formation pressure testing. 2,189,919; Feb. 13.
Morch, Jacob J., Toronto, Ontario, Canada. Ore crusher. 2,190,036; Feb. 13.
Morgan, David G., San Francisco, Calif. Wheeled truck. 2,190,368; Feb. 13.
Morgan, John D., South Orange, N. J., and R. E. Lowe, New York, N. Y., assignors to Power Patents Company, Hillside, N. J. Solder melting pot. 2,190,135; Feb. 13.
Morrell, Jacque C., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 2,189,815; Feb. 13.
Morrell, Jacque C., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,189,816; Feb. 13.
Morris, Lloyd P., assignor, by mesne assignments, to W. C. Grunow, Chicago, Ill. Electrical system. 2,189,990; Feb. 13.

Morris, Lynn B., Washington, D. C., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Color-forming photographic composition, element, and process. 2,189,817; Feb. 13.
Morrison, Andrew E. (See Bemis, M. H., Greer, and Morrison.)
Morrone, William, assignor of forty per cent of S. F. Gallo, and five per cent to J. Miller, Oakdale, Pa. Time controlled switch. 2,190,241; Feb. 13.
Morway, Arnold J. (See Zimmer, J. C., and Morway.)
Mosher, High H., Nutley, N. J., and B. Uzunoff, New York, N. Y., assignors to The Richards Chemical Works, Incorporated, Jersey City, N. J. Scrooping process. 2,190,331; Feb. 13.
Motor Products Corporation. (See Henricson, Axel E., assignor.)
Motor Products Corporation. (See Kellogg, Homer G., assignor.)
Motor Terminals, Inc. (See Fitch, Benjamin F., assignor.)
Moyer, Amos F., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Balanced mechanism for converting rotary in reciprocatory motions and vice versa. 2,190,161; Feb. 13.
Muller, Jacques, La Garenne Colombes, France. Apparatus for closing tanks. 2,189,991; Feb. 13.
Mulnix, Ersel C., Chicago, Ill. Box. 2,189,920; Feb. 13.
Murphy Radio Limited. (See Ellis, Horace D., assignor.)
Murrin, Gahlbeth H., Pasadena, Calif. Hinge. 2,189,818; Feb. 13.
Mussey, Carrie S., executrix. (See Mussey, William H., assignor.)
Mussey, William H. (See Blomberg, M. P., and Mussey.)
Mussey, William H., deceased, Chicago, Ill.; C. S. Mussey, executrix. Adjustable tie-down anchor member. 2,190,636; Feb. 13.
Mutzfeld, Paul, et al. (See Watson, Pearl A., assignor.)
Nagin, Harry S., Pittsburgh, assignor to Reliance Steel Products Company, Rankin, Pa. Grating and like structure. 2,190,214; Feb. 13.
Nagin, Harry S., Pittsburgh, assignor to Reliance Steel Products Company, Rankin, Pa. Grating and like structure. 2,190,215; Feb. 13.
Nahme, Hans. (See Dohrn, M., and Nahme.)
Nalbach, John R., Oak Park, Ill. Duplicating machine. 2,189,921; Feb. 13.
National Aniline and Chemical Company. (See Talbert, Guy W., assignor.)
National Cash Register Company, The. (See Williams, P. H., Ganger, Petit, and Davidson, assignors.)
National Enameling and Stamping Company. (See Smith, Alva T., assignor.)
National Heater Company. (See Barge, Raymond H., assignor.)
National Oil Products Co. (See Smith, Henry A., assignor.)
Naylor, Walter E., assignor to The Beardsley & Piper Company, Chicago, Ill. Flask filling apparatus. 2,190,457; Feb. 13.
Neiman, Charles H., assignor to York Ice Machinery Corporation, York, Pa. Air conditioner. 2,190,242; Feb. 13.
Neufeld, Jacob, Tulsa, Okla. Stabilizing method and device. 2,190,037; Feb. 13.
Neufeld, Jacob, Tulsa, Okla. Position and direction determining system. 2,190,038; Feb. 13.
Neufeld, Jacob, Tulsa, Okla. Navigational method and apparatus. 2,190,039; Feb. 13.
Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Packaging cigars. 2,190,189; Feb. 13.
Newman, J. Randolph, trustee. (See Auer, László, assignor.)
Newman, Louis B., Chicago, Ill. Therapeutic apparatus. 2,190,383; Feb. 13.
Newman, Louis B., Chicago, Ill. Therapeutic bag. 2,190,384; Feb. 13.
Newnes, Henry J., assignor to Austral Cabinet Company Limited, London, England. Closet. 2,190,040; Feb. 13.
Nichols, Henry J., Jr., Scotch Plains, and G. L. Mateer, Roselle, N. J., assignors to Standard Oil Development Company. Production of gasoline. 2,190,480; Feb. 13.
Normandeau, Joseph D., Nashua, N. H. Stop motion for knitting machines. 2,190,521; Feb. 13.
Norton Company. (See Alvord, Charles C., assignor.)
Norton Company. (See Garside, J. I., and Flygare, assignors.)
Norton Company. (See Stubbs, Everard, assignor.)
Novelty Lighting Corporation. (See Liston, John, assignor.)
Nuding, Emil, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Pivot gun. 2,190,332; Feb. 13.
Nunziato, Charles, Yonkers, N. Y. Pipe fitting cleaner. 2,190,216; Feb. 13.
Nyffenegger, Hans, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Multistage control device for power driven vehicles including a plurality of prime movers. 2,190,534; Feb. 13.
Nyhagen, Barney R., New York, N. Y. Dry shaver. 2,190,481; Feb. 13.
Nystrom, Karl F., Milwaukee, Wis. Hopper car construction. 2,190,333; Feb. 13.
Nystrom, Karl F., Milwaukee, Wis. Railroad car wall construction. 2,190,334; Feb. 13.
Oberg, Elmer B., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Apparatus for the manufacture of casein. 2,190,136; Feb. 13.
O'Brian, Maurice, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Apparatus for dry generation of acetylene. 2,189,762; Feb. 13.
O'Callaghan, Robert D., Des Moines, Iowa. Clothes or like wringer. 2,190,335; Feb. 13.
Ohio Boxboard Company, The. (See Stocker, Frederick C., assignor.)
Oil Engine Development Company. (See Cummins, Clessie L., assignor.)
Oil Well Supply Company. (See Fuller, John S., assignor.)
Old Colony Envelope Company. (See Adams, Julius R., assignor.)
Oldham, John M., Pleasant Ridge, assignor to L. A. Young, Detroit, Mich. Spark plug connection. 2,190,162; Feb. 13.
Olson, Samuel, Chicago, Ill. Conveyer roller construction. 2,190,336; Feb. 13.
Orbeck, Einar M., Norristown, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Resetting means for liquid dispensing apparatus computing registering mechanism. 2,190,626; Feb. 13.
Orlando, Luigi, assignor to Metallurgica Bresciana Gia' Tempini Società Anonima, Brescia, Italy. Treating copper. 2,190,570; Feb. 13.
Orne, Laurence E., Melrose, Mass. Audio amplifier circuit. 2,190,482; Feb. 13.
Osawa, Juichi. (See Kobayashi, M., Osawa, and Otake.)
Otake, Kichiro. (See Kobayashi, M., Osawa, and Otake.)
Ott, Roland E., Portland, Oreg. Door latch. 2,190,080; Feb. 13.
Owen, John E. (See Hawthorn, D. G., and Owen.)
Owens-Corning Fiberglas Corporation. (See Simison, A. L., and Collins, assignors.)
Owens-Corning Fiberglas Corporation. (See Thomas, J. H. Fletcher, and Atkinson, assignors.)
Pabst, Heinrich. (See Hubert, E., Pabst, and Hecht.)
Pace, Stephen C., Washington, D. C. Lighting signal. 2,190,123; Feb. 13.
Pacilio, Salvatore, New York, N. Y. Machine for making Italian pizza. 2,190,483; Feb. 13.
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Padgett, Joseph E., Toledo, Ohio. Bearing. 2,190,041; Feb. 13.
Pagano, Carmello. (See Leone, D. T., Pagano, and Cosentino.)
Page, Louis J., Hollis, N. Y. Adjustable nose pad mounting for raising and lowering bifocal lenses. 2,189,961; Feb. 13.
Pagliuco, Antonio, Natick, Mass. Coffeepot. 2,190,522; Feb. 13.
Palmer, Frank D., assignor of one-third to C. Spray, Chicago, Ill. Container. 2,190,433; Feb. 13.
Parke, Thomas V. (See Knapp, L. G., and Parke.)
Patch, Earl S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Lubricating element. 2,190,217; Feb. 13.
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patent and Licensing Corporation, The. (See Levin, Harold L., assignor.)
Patent and Licensing Corporation, The. (See van Hulst, Jan, assignor.)
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,190,218; Feb. 13.
Payberg, Andrew, Somerville, assignor to Milton Bradley Co., Springfield, Mass. Paper transparency. 2,190,627; Feb. 13.
Paynter, Horace J., Union, and W. E. Rooney, Bellingham, Wash., assignors to American Can Company, New York, N. Y. Fish canning machine. 2,189,831; Feb. 13.
Peabody Engineering Corporation. (See Peterson, Eric G., assignor.)
Pearce, Henry A., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile door lock. 2,189,992; Feb. 13.
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Apparatus for the manufacture of glassware. 2,190,042; Feb. 13.
Pedder, James F., assignor to General Motors Corporation, Dayton, Ohio. Bottle cap. 2,190,606; Feb. 13.
Pelster, Lester H., New Haven, Mo. Trailer brake. 2,190,219; Feb. 13.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pep Shower Manufacturing Co. (See Brandfon, Samuel, assignor.)
Perkins, Ralph P., assignor to The Dow Chemical Company, Midland, Mich. Salicylaldehyde purification. 2,190,607; Feb. 13.
Perrier, Edward G., Hunters Point, Quebec, Canada. Game. 2,189,922; Feb. 13.

Peters, Ambrose A., Milwaukee, Wis. Coffee-making device. 2,190,270; Feb. 13.
Petersen, Frank C., Glen Ellyn, assignor to G. D. Ladd, Lockport, Ill. Strain relieving device. 2,189,865; Feb. 13.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Winder. 2,190,106; Feb. 13.
Peterson, Eric G., Glen Ridge, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 2,190,190; Feb. 13.
Peterson, Glen, Pasadena, Calif., assignor to Geo-Frequenta Corporation. Geophysical prospecting. 2,190,324; Feb. 13.
Petit, William H. (See Williams, P. H., Ganger, Petit, and Davidson.)
Pfannmuller, Julius, North Plainfield, N. J., assignor to Wallerstein Company, Inc., New York, N. Y. Bating hides and skins. 2,190,484; Feb. 13.
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Coupling. 2,190,081; Feb. 13.
Phelps Dodge Copper Products Corporation. (See Byers, Harry M., assignor.)
Phelps Dodge Copper Products Corporation. (See Del Mar, William A., assignor.)
Phillips, David J. P. (See Gaut, G. C., and Phillips.)
Phillips, David J. P. (See Gaut, G. C., Phillips, and Huggins.)
Phipps, John T., Huntington Park, assignor to H. C. Smith, Whittier, Calif. Coring and drilling device. 2,189,923; Feb. 13.
Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Goldfield, E. R., and Horsley, assignors.)
Pier, Mathias, Heidelberg, L. Boente, Ludwigshafen-on-the-Rhine, and A. Eisenhût, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture or recovery of polynuclear carbon compounds. 2,190,191; Feb. 13.
Pier, Mathias, Heidelberg, F. Christmann, Ludwigshafen-on-the-Rhine, A. Eisenhût, Heidelberg, and W. Hirschberger, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Products of hydrocarbons. 2,189,924; Feb. 13.
Pierce, Walter L. (See Majusick, Walter, assignor.)
Pittsburgh Plate Glass Company. (See Downes, Daniel T., assignor.)
Pivoto, Felix L., Liberty, Tex. Changeable blade drag bit. 2,190,434; Feb. 13.
Plaskon Company. (See Menger, Adolf, assignor.)
Plastics Molding Corporation. (See Moore, Frank J., assignor.)
Pleydell-Bouverie, Christopher, and O. D. Lucas, assignors to The Research Trust Limited, London, England. Catalytic apparatus. 2,190,548; Feb. 13.
Plummer, William B., Chicago, and M. H. Arveson, Flossmoor, assignors to Standard Oil Company, Chicago, Ill. Deoxidizing hydrocarbons. 2,190,043; Feb. 13.
Pohl, Wadsworth E. (See Ball, J. A., and Pohl.)
Pohle, Walter B., East Lynn, Mass., assignor, by mesne assignments, to Tobacco Retention Corporation. Cigarette and making the same. 2,190,107; Feb. 13.
Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Mixing plant. 2,190,044; Feb. 13.
Polydoroff, Wladimir J., Wilmette, assignor to Johnson Laboratories, Inc., Chicago, Ill. Permeability-tuned superheterodyne receiver. 2,190,082; Feb. 13.
Polymerization Process Corporation, The. (See Gary, W. W., and Carey, assignor.)
Polysius, G., Aktiengesellschaft. (See Hasselbach, A., Luther, and Hille, assignors.)
Pool, William. (See Mellor, A., and Pool.)
Portable Plating and Equipment Company. (See Donop, August W., assignor.)
Postal Telegraph-Cable Company (New York). (See Vernam, G. S., and Wishart, assignors.)
Potapenko, Gennady, Pasadena, Calif., assignor to Geo-Frequenta Corporation. Determining the presence of oil. 2,190,320; Feb. 13.
Potapenko, Gennady, Pasadena, Calif., assignor to Geo-Frequenta Corporation. Method and apparatus for geophysical prospecting. 2,190,321; Feb. 13.
Potapenko, Gennady, Pasadena, Calif., assignor to Geo-Frequenta Corporation. Geophysical prospecting. 2,190,322; Feb. 13.
Potapenko, Gennady, and D. Folland, Pasadena, Calif., assignors to Geo-Frequenta Corporation. Method of and apparatus for geophysical prospecting. 2,190,323; Feb. 13.
Potato Corporation of Idaho. (See Gano, Orville, assignor.)
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener. 2,190,608; Feb. 13.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for melting rock and making products therefrom. 2,190,271; Feb. 13.
Power Patents Company. (See Morgan, J. D., and Lowe, assignors.)
Pressed Steel Company of Great Britain Limited, The. (See Swallow, William, assignor.)
Preat-O-Lite Company, The. (See O'Brian, Maurice, assignor.)
Process Management Company. (See Rice, Francis O., assignor.)
Pullman-Standard Car Manufacturing Company. (See Blomberg, M. P., and Mussey, assignors.)
Quadrex Corporation. (See Leathers, Ward, assignor.)
Quinlan, James P. (See Watkins, Alfred H., assignor.)
Raab, Leonhard, Erlangen, assignor to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany. Support for X-ray work. 2,190,458; Feb. 13.
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Bruining, Hajo, assignor.)
Radio Corporation of America. (See Hickok, Willard, assignor.)
Radio Corporation of America. (See Hickok, Willard H., assignor.)
Radio Corporation of America. (See Holst, Poul F. G., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Landon, Vernon D., assignor.)
Radio Corporation of America. (See Lester, Paul S., assignor.)
Radio Corporation of America. (See Meier, Wilber L., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Umbreit, Stanton, assignor.)
Radio Corporation of America. (See Usselman, G. L., and Hansell, assignors.)
Radio Patents Corp. (See Hollmann, Hans E., assignor.)
Rae, Annie E. A. W. (See (Rae, J. M., assignor) and Scott.)
Rae, James M., and S. F. Scott; said Rae assignor to A. E. A. W. Rae, Medicine Hat, Alberta, Canada. Land leveler. 2,189,962; Feb. 13.
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,189,832; Feb. 13.
Rakowsky, Victor, Joplin, Mo., and R. W. Arms, assignors to Minerals Beneficiation Incorporated, Chicago, Ill. Separating fragmentary materials. 2,190,637; Feb. 13.
Ramsey, Raymond B., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fire stop for apparatus racks. 2,189,993; Feb. 13.
Raymond, Edward F., Manhattan Beach, Calif. Rotary jar. 2,190,045; Feb. 13.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Article of hardware. 2,190,192; Feb. 13.
Reconstruction Finance Corporation. (See Hawley, John B., Jr., assignor.)
Redfield, James W., assignor to The Tablet & Ticket Co., Chicago, Ill. Display device. 2,190,083; Feb. 13.
Redington, F. B., Co. (See Milmoe, M. J., and Malhiot, assignors.)
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,190,610; Feb. 13.
Refining, Inc. (See Clayton, Benjamin, assignor.)
Refining, Inc. (See Clayton, B., and Thurman, assignors.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Refrigerating Specialties Co. (See Hansen, Herbert, assignor.)
Reich, Walter A. (See Smallwood, C. H., and Reich.)
Reier, George C., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,189,994; Feb. 13.
Reinken, Louis W., Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y. Gain control arrangement. 2,189,925; Feb. 13.
Reis, Curt F., Chicago, Ill., assignor to Superior Parts Manufacturing Company, New York, N. Y. Magneto. 2,189,926; Feb. 13.
Reiter, Harold J., Chicago, Ill. Snap fastener socket. 2,189,995; Feb. 13.
Reliance Steel Products Company. (See Nagin, Harry S., assignor.)
Remington Rand Inc. (See Landsiedel, Harry, assignor.)
Remington Rand Inc. (See Wolters, Carl F., assignor.)
Research Trust Limited, The. (See Pleydell-Bouverie, C., and Lucas, assignors.)
Rex Research Corporation. (See Hedenburg, Oscar F., assignor.)
Rhinevault, Harry A., assignor to Armstrong Bros. Tool Co., Chicago, Ill. C clamp. 2,190,585; Feb. 13.
Rice, Francis O., Baltimore, Md., assignor, by mesne assignments, to Process Management Company, Inc., New York, N. Y. Transformation of organic compounds. 2,190,369; Feb. 13.
Richards Chemical Works, Incorporated, The. (See Mosher, H. H., and Uzunoff, assignors.)
Richardson, Henry K., Bloomfield, N. J., assignor of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and one-half to Baker and Co., Inc., Newark, N. J. Guide for molten material. 2,190,296; Feb. 13.

Riche, Arthur L., assignor, by mesne assignments, to Micro Switch Corporation, Freeport, Ill. Control apparatus. 2,189,996; Feb. 13.
Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical wood-pulping process. 2,190,193; Feb. 13.
Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical pulping of raw cellulosic material. 2,190,194; Feb. 13.
Rieger, Wilhelm, Kassel-Wilhelmshohe, Germany. Valve control. 2,190,586; Feb. 13.
Riley, Clyde. (See Fisher, R. D., and Riley.)
Ritzenthaler, Bernhard. (See Kaupp, J., Ritzenthaler, Schuster, and Hoyer.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tuning indicator circuits. 2,190,435; Feb. 13.
Robertson, William T., Okemah, Okla. Pump. 2,190,535; Feb. 13.
Robinson, James, London, England. Retroactive valve apparatus. 2,190,243; Feb. 13.
Robinson, Joseph F., and V. H. King, Jr., San Francisco, Calif., assignors, by mesne assignments, to Cold Control Corporation. Refrigerating method and apparatus. 2,190,046; Feb. 13.
Roche, Glenn H., South Gate, Calif. Weed burner. 2,190,175; Feb. 13.
Roessler, Georg. (See Frankenburger, W., Hammerschmid, and Roessler.)
Rogers, Stephen E., and A. L. Whiteley, Rugby, England, assignors to General Electric Company. Electric valve converting system. 2,190,523; Feb. 13.
Rooney, Walter E. (See Paynter, H. J., and Rooney.)
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Rosenbaim, John E. (See Tally, Carl E., assignor.)
Rosenblum, Israel, Jackson Heights, N. Y. Resinous condensation products and producing same. 2,189,833; Feb. 13.
Ross, William P. V., and D. H. Mars, assignors to Duplex Printing Press Company, Battle Creek, Mich. Plate clamp for rotary printing presses. 2,190,385; Feb. 13.
Rossman, Solly, Brooklyn, N. Y. Emergency lock knob for bathroom doors. 2,190,485; Feb. 13.
Rotary Snow Plow Company. (See Bemis, M. H., Greer, and Morrison, assignors.)
Roth, Ludwig, assignor to Handy Containers, Inc., St. Louis, Mo. Container. 2,190,163; Feb. 13.
Roth Rubber Company. (See Knight, William W., assignor.)
Row, John W., Berrien Springs, Mich. Movable shelf construction. 2,190,244; Feb. 13.
Rubly, Harry C. (See Miller, R. A., and Rubly.)
Rudatis, Domenico. (See Bocca, C., and Rudatis.)
Rudolph, Walter, Stroudsburg, Pa. Automobile signal. 2,190,124; Feb. 13.
Ruigh, William L. (See Major, R. T., and Ruigh.)
Ruska, Leslie C., Cicero, Ill. Automobile glass control lock. 2,190,047; Feb. 13.
Russell, Burdsall & Ward Bolt & Nut Company. (See MacDonald, Robert A., assignor.)
Sabins, Rolland C., White Bear Lake, Minn. Automatic acetylene gas generator. 2,190,272; Feb. 13.
Sahyun, Melville, assignor to Frederick Stearns & Company, Detroit, Mich. Soluble protamine insulin. 2,190,137; Feb. 13.
St. Martin, Albert J., et al. (See Mattison, Thomas E., assignor.)
St. Regis Paper Company. (See Verwys, Andrew J., assignor.)
Salducco, Angelo M. M., Troy, N. Y. License tag cover. 2,190,571; Feb. 13.
Salem, Rudolph, Long Island City, N. Y. Tennis racket guide. 2,189,997; Feb. 13.
Salkvist, Gustaf E., Pittsburgh, Pa., assignor to Koppers Company. Coke-oven door operating mechanism. 2,190,297; Feb. 13.
Salmon, Reginald D., Croydon, assignor to Creed and Company Limited, Croydon, Surrey, England. Printing telegraph apparatus. 2,189,927; Feb. 13.
Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoeletric controlled oscillator. 2,189,770; Feb. 13.
Sartell, Page M., Sartell, Minn. Pump for compressible fluids. 2,190,245; Feb. 13.
Savage Arms Corporation. (See Brewer, Nicholas L., assignor.)
Schafmeister, Paul, Essen, Germany, assignor, by mesne assignments, to Krupp Nirosta Co., Inc., New York, N. Y. Austenitic chromium nickel steel alloy. 2,190,486; Feb. 13.
Schaller, Georg. (See Körber, E., and Schaller.)
Scharfnagel, Rudolf, Stuttgart, assignor to C. Lorenz Aktiengesellschaft, Berlin–Tempelhof, Germany. Electric discharge vessel. 2,189,928; Feb. 13.
Schenk, Dankwart, Berlin-Reinickendorf, Germany, assignor to Allgemeine Elektricitats-Gesellschaft. Tube electrode. 2,189,998; Feb. 13.
Schilling, William F., assignor to Ace Glass Incorporated, Vineland, N. J. Chemical apparatus. 2,190,220; Feb. 13.
Schimpfle, Frank, Garwood, N. J. Aerial toy. 2,189,763; Feb. 13.
Schirmer, Waldo P., Cuyahoga County, Ohio. Combination motor and pump unit. 2,190,246; Feb. 13.
Schivinc, Charles, Millvale, Pa. Treadboard. 2,190,195; Feb. 13.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Generating impulses and impulse generator. 2,190,504; Feb. 13.
Schletz, Fred A., St. Paul, Minn. Mixing machine. 2,190,487; Feb. 13.
Schlumbohm, Peter, New York, N. Y. Dispensing cold drinks. 2,190,084; Feb. 13.
Schmeller, Edward A., Lakewood, assignor of one-fourth to F. I. Schmeller, Rocky River, one-fourth to J. L. Schmeller, and one-fourth to J. Schmeller, Sr., Lakewood, Ohio. Aluminum alloy. 2,189,834; Feb. 13.
Schmeller, Edward A., Lakewood, assignor of one-fourth to F. I. Schmeller, Rocky River, one-fourth to J. L. Schmeller, and one-fourth to J. Schmeller, Sr., Lakewood, Ohio. Aluminum alloy. 2,189,835; Feb. 13.
Schmeller, Frank I., et al. (See Schmeller, Edward A., assignor.)
Schmeller, John L., et al. (See Schmeller, Edward A., assignor.)
Schmeller, John, Sr., et al. (See Schmeller, Edward A., assignor.)
Schmitt, George P., New York, N. Y., assignor, by mesne assignments, to Cardinal Products, Inc. Lighter 2,189,999; Feb. 13.
Schnebelen, Paul A., assignor to Hi-Speed Tire and Accessory Company, Toledo, Ohio. Internal combustion engine treatment. 2,190,459; Feb. 13.
Schneevoigt, Alwin. (See Ziese, W., Ebel, and Schneevoigt.)
Schnoll, Nathan, assignor, by mesne assignments, to Stevenson Corporation, New York, N. Y. Testing instrument. 2,190,488; Feb. 13.
Schoew, Karl F., Huntington, W. Va. Hygrometer operated switch. 2,190,549; Feb. 13.
Scholl, Chester C., assignor to Belden Manufacturing Company, Chicago, Ill. Spool. 2,190,085; Feb. 13.
Scholtes, Albert J., Baltimore, Md., assignor to Scovill Manufacturing Company, Waterbury, Conn. Expander tool. 2,190,386; Feb. 13.
Schon, Matthew, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Strip annealing aluminum foil. 2,189,836; Feb. 13.
Schoneberger, Arthur W., Cincinnati, Ohio. Attaching clips to pens, etc. 2,189,963; Feb. 13.
Schooley Printing and Stationery Company, The. (See Brisendine, Guy F., assignor.)
Schor, Joseph. (See Skoverski, John R., assignor.)
Schottenberg, Elmon A., assignor to Truscon Steel Company, Youngstown, Ohio. Rack and pinion operating means. 2,190,572; Feb. 13.
Schramm, Carl, North Coventry, assignor to The Smyth Manufacturing Company, Hartford, Conn. Preparing boows for binding. 2,189,929; Feb. 13.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,189,764; Feb. 13.
Schulz, Walter F. (See Montgomery, J. R., Schulz, and Macleod.)
Schulze-Herringen, Erich. (See Gutzmann, F., and Schulze-Herringen.)
Schuppert, Josef. (See Wünsch, G., and Schuppert.)
Schürmann, Carl, Dusseldorf, Germany, assignor to The Aerogen Company Limited, London, England. Clutch or the like. 2,189,930; Feb. 13.
Schuster, Curt. (See Kaupp, J., Ritzenthaler, Schuster, and Hoyer.)
Schweizerische Lokomotiv- und Maschinenfabrik. (See Nyffenegger, Hans, assignor.)
Scott, Cyril E., Canton, N. Y. Chair. 2,190,221; Feb. 13.
Scott, Simon F. (See Rae, J. M., and Scott.)
Scovill Manufacturing Company. (See Scholtes, Albert J., assignor.)
Sealey, David A., East Orange, N. J. Range finder. 2,189,964; Feb. 13.
Sease, Virgil B., Hillcrest, Highland Park, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Tripack. 2,189,837; Feb. 13.
Sellinger, Carl, and E. Forster, Newark, N. J. Combination jack and automobile theft prevention device. 2,190,489; Feb. 13.
Sembdner, Gustav, Berlin-Tempelhof, Germany. Wear-resistant plating. 2,190,125; Feb. 13.
Sembdner, Gustav, Berlin–Tempelhof, Germany. Machine for applying wear-resistant plating. 2,190,611; Feb. 13.
Semenyna, Wladimir, Boston, Mass. Electric molding. 2,190,196; Feb. 13.
Sendzimir, Tadeusz, Paris, France, assignor to The American Rolling Mill Company, Middletown, Ohio. Structural material. 2,190,490; Feb. 13.
Servel, Inc. (See Buffington, R. M., and Ashby, assignors.)
Servel, Inc. (See Thomas, Albert R., assignor.)
Seyller, John C., Prophetstown, Ill. Loader. 2,190,164; Feb. 13.
Shafer, Julius E., assignor to Monad Corporation, Chicago, Ill. Bearing. 2,189,838; Feb. 13.
Shafor, Ralph W., New York, and R. P. Kite, Yonkers, assignors to The Dorr Company, Inc., New York, N. Y. Production of bisulphite liquor. 2,190,612; Feb. 13.
Shapiro, Samuel, New York, N. Y. Woman's companion. 2,190,273; Feb. 13.

Sharkey, Michael, Brooklyn, N. Y. Automatic jack block for cars. 2,190,491; Feb. 13.
Sharp, Dudley C., and R. M. Garrison, assignors to Mission Manufacturing Company, Houston, Tex. Slush pump piston. 2,189,839; Feb. 13.
Sharples Corporation, The. (See Brown, Charles R., assignor.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Combination fan and limit control. 2,190,337; Feb. 13.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Switch structure. 2,190,338; Feb. 13.
Sheck, Oscar, assignor to Koehring Company, Milwaukee, Wis. Boom bucket. 2,190,339; Feb. 13.
Sheely, Clyde Q. (See King, W. H., and Sheely.)
Sheldon, Lyle M., assignor to The Cellulose Research Corporation, East Alton, Ill. Bleaching cellulose. 2,190,274; Feb. 13.
Shell Development Company. (See Engs, W., Groll, and Fairbairn, assignors.)
Shell Development Company. (See Knight, Hugh, assignor.)
Sherrill, William M., and P. A. Bryant, Statesville, N. C. Tally. 2,190,126; Feb. 13.
Shiel, John B. (See Johnston, D. F., and Shiel.)
Shoemaker, Bernard H. (See Batchelder, H. R., and Shoemaker.)
Shumaker, Julius L., Martel, Ohio. Loading fork. 2,190,573; Feb. 13.
Shurts, Englebert, assignor to Strauss Electric Appliance Company, Waukesha, Wis. Dairy appliance. 2,190,165; Feb. 13.
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Thiry, Johannes, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Krambeer, Karl-Heinrich, assignor.)
Siemens-Reiniger-Werke Aktiengesellschaft. (See Raab, Leonhard, assignor.)
Sigoda, Victor J., Brooklyn, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Operating means for pinking devices. 2,189,965; Feb. 13.
Sikorsky, Igor I., Trumbull, assignor to United Aircraft Corporation, East Hartford, Conn. Airplane control. 2,190,340; Feb. 13.
Simison, Allen L., and H. W. Collins, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Applying coatings to fibers in mat form. 2,189,840; Feb. 13.
Simmons, James O., Sr., Troy, Tex. Attachment for cultivators. 2,190,166; Feb. 13.
Simmons, Victor E., Johnstown, Pa. Supporting hook. 2,190,550; Feb. 13.
Simmons, William G., Chicago, Ill. Scale. 2,189,866; Feb. 13.
Simons, John E. R., Harlow, and E. L. Brice and A. Brice, Stockport, assignors, by mesne assignments, to J. E. R. Simons, Harlow, Essex, England. Device for driving boards, planks, or the like into the ground. 2,190,387; Feb. 13.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Adjustably vented air valve. 2,190,197; Feb. 13.
Simunich, Bernard, Chicago, Ill. Can puncturing device. 2,190,275; Feb. 13.
Singer Manufacturing Company, The. (See Spaine, E. P., and Faulkner, assignors.)
Sinninger, Dwight V., assignor to Johnson Laboratories, Inc., Chicago, Ill. Permeability-tuned oscillator tracking arrangement. 2,190,048; Feb. 13.
Sisman, Warren, Detroit, Mich. Wall cleaning apparatus. 2,190,576; Feb. 13.
Sittler, Edwin C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,190,613; Feb. 13.
Skoverski, John R., Oakland, assignor to J. Schor, San Francisco, Calif. Joint for fishing tackle. 2,189,841; Feb. 13.
Slack, Frederic W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel suspension. 2,190,298; Feb. 13.
Slater, August F., Seattle, Wash. Automobile parking apparatus. 2,190,086; Feb. 13.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,189,869; Feb. 13.
Sluyter, Nicolaas, Bloemendaal, Netherlands. Resilient suspension device. 2,189,870; Feb. 13.
Smallwood, Charles H., Brownington, and W. A. Reich, Kansas City, Mo. Traction wheel rim. 2,190,370; Feb. 13.
Smeby, Adolph H., Los Angeles, Calif., assignor to Hoopli & Co., New York, N. Y. Smoker's device. 2,189,842; Feb. 13.
Smith, Alva T., assignor to National Enameling and Stamping Company, Milwaukee, Wis. Temperature control for electric cooking devices. 2,190,276; Feb. 13.
Smith, Carroll C. (See Williams, I., and Smith.)
Smith, George W. and J. A., assignors to Kenmore Machine Products, Inc., Lyons, N. Y. Oil separator for refrigeration systems. 2,190,138; Feb. 13.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,190,341; Feb. 13.
Smith, Henry A., Berkeley, Calif., assignor, by mesne assignments, to National Oil Products Co., Harrison, N. J. Manufacture of a feed material from lettuce. 2,190,176; Feb. 13.
Smith, Herman C. (See Phipps, John T., assignor.)
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Double break electric switch. 2,190,342; Feb. 13.
Smith, James A. (See Smith, George W. and J. A.)
Smith, Joseph E. (See Lenher, S., and Smith.)
Smith, Omar H., West Englewood, N. J., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Producing styrene. 2,189,771; Feb. 13.
Smith, Percy W., New York, assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system for railroads. 2,190,505; Feb. 13.
Smyth Manufacturing Company, The. (See Schramm, Carl, assignor.)
Snell, Samuel A., assignor to T. F. Beaman, Jackson, Mich. Brake mechanism. 2,190,087; Feb. 13.
Snyder, Omar E. (See Banigan, T. F., and Snyder.)
Societe Alfa, et al. (See Colas, Jacques, assignor.)
Societe d'Exploitation des Brevets Moineau. (See Hagerman, Gilbert H., assignor.)
Soller, Walter, assignor of one-half to W. H. Woodin, Jr., Tucson, Ariz. Television system. 2,189,843; Feb. 13.
Solvay Process Company, The. (See Tracy, Lyndon S., assignor.)
Somes, Howard E., Detroit, Mich. Multiple transformer switching system. 2,189,819; Feb. 13.
Spaine, Edward P., Bridgeport, and H. C. Faulkner, Long Hill, Trumbull, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole sewing machine. 2,190,614; Feb. 13.
Spánel, Abraham N., Rochester, N. Y. Method and apparatus for making elastic bands. 2,189,966; Feb. 13.
Sparks, Roy E., Sturgis, S. Dak. Refrigerator. 2,190,388; Feb. 13.
Sperry, Walter, assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt and tape cutter. 2,190,049; Feb. 13.
Sponge Rubber Products Co., The. (See Daley, Frederick M., assignor.)
Spray, Cranston. (See Palmer, Frank D., assignor.)
Springfield Photo Mount Co. (See Jolly, Oscar W., assignor.)
Sprouse, Verner E., assignor to V. E. Sprouse Company, Indianapolis, Ind. Drum end filling funnel. 2,189,967; Feb. 13.
Sprouse, V. E., Company. (See Sprouse, Verner E., assignor.)
Square D Company. (See Van Valkenburg, Hermon L., assignor.)
Stahl, Frank E., deceased; L. M. Stahl, administratrix, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Chain forming machine. 2,190,129; Feb. 13.
Stahl, Frank E., deceased; L. M. Stahl, administratrix, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Making twisted chain. 2,190,130; Feb. 13.
Stahl, Lillie M., administratrix. (See Stahl, Frank E.)
Staiger, Karl, Aachen, assignor to Firma Kreidler's Metall- & Drahtwerke Gesellschaft mit beschrankter Haftung, Stuttgart-Zuffenhausen, Germany. Manufacturing hollow articles from metals. 2,190,536; Feb. 13.
Standard Alcohol Company. (See Brooks, Benjamin T., assignor.)
Standard Oil Company. (See Batchelder, H. R., and Shoemaker, assignors.)
Standard Oil Company. (See Hull, Carl M., assignor.)
Standard Oil Company. (See Plummer, W. B., and Arveson, assignors.)
Standard Oil Company of California. (See Stratford, Charles W., assignor.)
Standard Oil Development Company. (See Brown, D. F., and De Hoff, assignors.)
Standard Oil Development Company. (See Edmonds, William J., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Haupt, C. H., and Hall, assignors.)
Standard Oil Development Company. (See Moore, Thomas V., assignor.)
Standard Oil Development Company. (See Nichols, H. J., Jr., and Mateer, assignors.)
Standard Oil Development Company. (See Starr, J. V., and Beiswenger, assignors.)
Standard Oil Development Company. (See Whitner, Thomas C., Jr., assignor.)
Standard Oil Development Company. (See Zimmer, J. C., and Morway, assignors.)
Stanley Works, The. (See Raymond, Horace H., assignor.)
Staples, Evans M., Cincinnati, Ohio. Expansible cutter. 2,190,492; Feb. 13.
Stapling Machines Co. (See Stivers, Earl R., assignor.)
Starr, John V., and G. A. Beiswenger, Elizabeth, N. J., assignors to Standard Oil Development Company. Treating mineral oil. 2,189,844; Feb. 13.
Stearns, Frederick & Company. (See Sayhun, Melville, assignor.)

Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Motion picture projecting machine. 2,190,198; Feb. 13.

Stehli, Henry J., Cedar Grove, N. J. Sintering apparatus. 2,190,493; Feb. 13.

Steiner Sales Company. (See Grunwald, Albert C., assignor.)

Steinhausen, Hans-Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver arrangement. 2,190,436; Feb. 13.

Stenger, Edwin P., and A. O. Bruestle, assignors to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Bit block for cutter chains. 2,190,000; Feb. 13.

Stevenson Corporation. (See Schnoll, Nathan, assignor.)

Stewart, Alexander P., Detroit, Mich. Templet. 2,190,088; Feb. 13.

Stivers, Earl R., Rockaway, N. J., assignor to Stapling Machines Co. Box. 2,190,199; Feb. 13.

Stockell, William A., Detroit, Mich. Portable stove. 2,190,139; Feb. 13.

Stocker, Frederick C., assignor to The Ohio Boxboard Company, Rittman, Ohio. Display stand. 2,190,127; Feb. 13.

Stoll, Hermann. (See Weber, J., Stoll, and Hurst.)

Stone, J., & Company. (See Curzon, Thomas, assignor.)

Stone, Uno G., Pierson, Fla. Treating soil. 2,190,128; Feb. 13.

Stone, Walter A., Endwell, N. Y. Attachment for lathes. 2,189,968; Feb. 13.

Strasser, Bernard J., Ozone Park, N. Y. Portable table structure. 2,190,222; Feb. 13.

Stratford, Charles W., Kansas City, Mo., assignor to Standard Oil Company of California, San Francisco, Calif. Liquid mixer and settler. 2,190,247; Feb. 13.

Stranss Electric Appliance Company. (See Shurts, Anglebert, assignor.)

Strauss, Siegmund, and L. Weisglass, Vienna, Austria. Process and apparatus for taking X-ray pictures of parts of the human body. 2,190,389; Feb. 13.

Struthers Wells-Titusville Corporation. (See How-Harlan W., assignor.)

Stubbs, Everard, Springfield, Vt., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,189,931; Feb. 13.

Suddeutsche Apparatefabrik. (See Kalbskopf, Walter, assignor.)

Suddeutsche Apparatefabrik. (See Körber, E., and Schaller, assignors.)

Sugar Beet Products Company. (See Conner, Michael, assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sund, Alfred D., Santa Rosa, Calif. Animal trap. 2,190,089; Feb. 13.

Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Making slide fastener stringers. 2,190,628; Feb. 13.

Superior Parts Manufacturing Company. (See Reis, Curt F., assignor.)

Surdi, Frederico. (See Taglio, Emilio, assignor.)

Swallow, William, Headington, Oxford, assignor to The Pressed Steel Company of Great Britain Limited, Oxford, England. Vehicle. 2,190,551; Feb. 13.

Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Gas tube circuit. 2,190,552; Feb. 13.

Sweeny, Charles P., assignor to Vickers, Incorporated, Detroit, Mich. Electric motor. 2,190,223; Feb. 13.

Sweets Laboratories, Inc. (See Barker, John O., assignor.)

Swenson, George E., Hastings-on-Hudson, N. Y. Building member. 2,189,820; Feb. 13.

Swinehart, Carl F., Cleveland Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of sulphur nitride. 2,190,177; Feb. 13.

Szush, John J., Thibodaux, La. Water cooling device. 2,190,574; Feb. 13.

Tabb, Warner T., Brooklyn, assignor to Eisemann Magneto Corporation, New York, N. Y. Valve for fuel pumps of internal combustion engines. 2,190,575; Feb. 13.

Tablet & Ticket Co., The. (See Redfield, James W., assignor.)

Taglio, Emilio, assignor of one-half to F. Surdi, Rio de Janeiro, Brazil. Fluid pressure pump of thermic-dynamical action. 2,189,969; Feb. 13.

Takats, Zoltan, Bridgeport, Conn. Moistening device for duplicating machines. 2,189,765; Feb. 13.

Talbert, Guy W., Summit, N. J., assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Recovery of phthalic acid from gases containing phthalic anhydride. 2,190,001; Feb. 13.

Talbot, Howard H., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Flying shear, 2,190,638; Feb. 13.

Tally, Carl E., assignor of one-half to J. E. Rosenbalm, Cleburne, Tex. Mechanical calendar. 2,189,821; Feb. 13.

Talon, Inc. (See Farnstrom, Harry L., assignor.)

Talon, Inc. (See Poux, Noel J., assignor.)

Talon, Inc. (See Sundback, Gideon, assignor.)

Tarr, Philip R., Cuyahoga Falls, Ohio. Photometer for measuring exposures and densities. 2,190,553; Feb. 13.

Taylor, Clarence L., assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Shaft mounting for rolls or the like. 2,190,371; Feb. 13.

Taylor, James, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Blasting charge. 2,190,460; Feb. 13.

Taylor, Reginald, and G. T. Baker, Liverpool, and C. Gillings, London, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 2,190,140; Feb. 13.

Taywal Corporation. (See Holmes, Curtis, assignor.)

Teahen, James M. Detroit, Mich. Water closet. 2,190,437; Feb. 13.

Tecca, Angelo and P., Livingston, Mont. Flange oiler. 2,190,554; Feb. 13.

Tecca, Patrick. (See Tecca, Angelo and P.)

Technicolor Motion Picture Corporation. (See Ball, J. A., and Pohl, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Steinhansen Hans-Werner, assignor.)

Teletype Corporation. (See Burcky, Charles W., assignor.)

Teletype Corporation. (See Lake, Ross A., assignor.)

Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Making tubular sheet material. 2,190,494; Feb. 13.

Ternstedt Manufacturing Company. (See Pearce, Henry A., assignor.)

Terrill, Clair J., Evanston, assignor to Harry Davies Molding Co., Chicago, Ill. Knob. 2,189,845; Feb. 13.

Terry, Herbert, & Sons Limited. (See Carwardine, George, assignor.)

Tharp, Harry L., Denver, Colo. Self-opening portfolio. 2,190,090; Feb. 13.

Thiry, Johannes, Berlin-Sudende, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Automatic steering device for aircraft. 2,190,390; Feb. 13.

Thiry, Johannes, Berlin-Sudende, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Aircraft control. 2,190,391; Feb. 13.

Thomas, Albert R., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid fuel burner. 2,189,871; Feb. 13.

Thomas, John H., E. Fletcher, and F. W. Atkinson, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Method and apparatus for making glass wool. 2,189,822; Feb. 13.

Thurman, Benjamin H. (See Clayton, B., and Thurman.)

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Making and processing soap. 2,190,615; Feb. 13.

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Splitting glycerides and recovering glycerin. 2,190,616; Feb. 13.

Tinker, Walter H., assignor to G. A. Ball, Muncie, Ind. Low pressure steam injector. 2,190,109; Feb. 13.

Tinnerman, Albert H. (See Tinnerman, George A., assignor.)

Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Connection for knobs and the like. 2,190,577; Feb. 13.

Titan Valve and Manufacturing Company, The. (See Cerny, Joseph A., assignor.)

Tobacco Retention Corporation. (See Pohle, Walter B., assignor.)

Toce, Charles A., R. F. Broussard, and W. N. Woodruff, Houston, Tex., assignors, by mesne assignments, to Vehicular Parking, Ltd., Washington, D. C. Parking meter expansion clamp. 2,190,555; Feb. 13.

Toda, Yoshiaki, Tokyo, Japan, assignor to General Electric Company. Electric valve converting system. 2,190,524; Feb. 13.

Todd, Claude O., Washington, D. C., Lawn mower attachment. 2,190,578; Feb. 13.

Toro Manufacturing Corporation of Minnesota. (See Moyer, Amos F., assignor.)

Town, Clinton D., Portland, Oreg. Dual compartment stove. 2,190,343; Feb. 13.

Townsend, Frank F., Camden, N. J. Bungalow. 2,190,002; Feb. 13.

Tracy, Lyndon S., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Treating metallic articles. 2,190,050; Feb. 13.

Trailer Company of America, The. (See Black, James J., assignor.)

Trailwagons Incorporated. (See McDaniel, Ernest C., assignor.)

Travers, Fred H., Stratford, Conn., assignor to General Electric Company, New York, N. Y. Electric switch. 2,190,525; Feb. 13.

Trumbull Metal Products Company, The. (See Beebe, Watson, assignor.)

Truscon Steel Company. (See Montgomery, J. R., Schulz, and Macleod, assignors.)

Truscon Steel Company. (See Schottenberg, Elmon A., assignor.)

Tucker, Herbert E. (See Hall, J. M., and Tucker.)

Tuma, Elias C., et al. (See Hazey, George W., assignor.)

Tuma, Richard C., et al. (See Hazey, George W., assignor.)

Tuscher, Jean E., Petit-Ivry, France. Fuel injection. 2,190,051; Feb. 13.

Ulrich, Charles J., Royal Oak, Mich. Concrete building wall construction. 2,189,872; Feb. 13.

Umbreit, Stanton, West Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Making glass to metal seals. 2,189,970; Feb. 13.

Unertl, John, Pittsburgh, Pa. Telescope reticule adjustment. 2,189,766; Feb. 13.

Union Switch & Signal Company, The. (See Little, Edwin G., assignor.)

Union Switch & Signal Company, The. (See Wells, Wesley B., assignor.)

United Aircraft Corporation. (See Henrichsen, K., and Leisy, assignors.)

United Aircraft Corporation. (See Sikorsky, Igor I., assignor.)

United Engineering and Foundry Company. (See Talbot, Howard H., assignor.)

United Iron Works Company. (See Holzer, Hiram A., assignor.)

United Shoe Machinery Corporation. (See Engel, Karl, assignor.)

United Shoe Machinery Corporation. (See Everett, Elwin R., assignor.)

United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)

United Shoe Machinery Corporation. (See Hooper, Lester B., assignor.)

United States Envelope Company. (See Heywood, Vincent E., assignor.)

United States Gypsum Company. (See Oberg, Elmer B., assignor.)

United Steel & Wire Company. (See Griffin, Francis D., assignor.)

Universal Cooler Corporation. (See Higham, William W., assignor.)

Universal Oil Products Company. (See Morrell, J. C., and Grosse, assignors.)

Universal Winding Company. (See Feaster, Edward B., assignor.)

Usselman, George L., Port Jefferson, and C. W. Hanseli, Rocky Point, N. Y., assignors to Radio Corporation of America. Cooling system. 2,190,110; Feb. 13.

Utility Steel Display Frames, Inc. (See Connell, John W., assignor.)

Uzunoff, Boris. (See Mosher, H. H., and Uzunoff.)

Valtat, Raymond L. A., Saint-Mande, assignor to J. F. Augier-Queyras, Paris, France. Automatic relay control system. 2,189,846; Feb. 13.

Vanderveld, Anthony, assignor of one-half to Liverance & Van Antwerp, Grand Rapids, Mich. Gearshift mechanism. 2,190,629; Feb. 13.

Van Hulst, Jan, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, Boston, Mass. Fixing and impermeabilizing soil masses. 2,190,003; Feb. 13.

Van Raalte, Martin, St. Louis, Mo. Vehicular brake. 2,190,052; Feb. 13.

Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,190,299; Feb. 13.

Van Zeeland, Bernard and L., Kaukauna, Wis. Farm wagon. 2,190,300; Feb. 13.

Van Zeeland, Leonard. (See Van Zeeland, Bernard and L.)

Vaughan Novelty Mfg. Co. Inc. (See Fender, Ferdinand E., assignor.)

Vehicular Parking, Ltd. (See Toce, C. A., Broussard, and Woodruff, assignors.)

Vernam, Gilbert S., Hackensack, N. J., and R. S. Wishart, Rockville Centre, assignors to Postal Telegraph-Cable Company (New York), New York, N. Y. Signaling system. 2,190,301; Feb. 13.

Verwys, Andrew J., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Adapter for valve bags. 2,189,847; Feb. 13.

Vickers, Harry F., Detroit, Mich., and N. B. Frost, Washington, D. C. Apparatus for controlling the movement of heavy masses. 2,189,823; Feb. 13.

Vickers, Incorporated. (See Sweeny, Charles P., assignor.)

Victor Metal Products Corporation. (See Jung, Albert H., assignor.)

Victoreen, John A., Cleveland Heights, Ohio. X-ray measuring instrument. 2,190,200; Feb. 13.

Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,190,224; Feb. 13.

Viragh, Stephen, Forest Hills, Pa. Dental brush. 2,190,277; Feb. 13.

Visual Merchandiser, Inc. (See Hutchinson, Job, assignor.)

Vogel, Max R., Easton, Pa., assignor to Binney & Smith Co., New York, N. Y. Lacquer manufacture. 2,190,461; Feb. 13.

Vogt, Ludwig E., Freiburg in Breisgau, Baden, Germany, assignor to K. Lydecker, New York, N. Y. Mounting for maps and the like. 2,190,438; Feb. 13.

Vollmer, Elmer D., Cleveland, Ohio. Electrically wired table cover and pad. 2,190,225; Feb. 13.

Von den Steinen, Carl, Hamburg-Bergedorf, Germany, assignor to Askania-Werke A. G. Stabilizing device for ships. 2,190,617; Feb. 13.

Vose, Edwin W., Orange, N. J., assignor of twenty-five per cent to the estate of H. D. Walbridge, deceased, New York, N. Y. Fan. 2,190,767; Feb. 13.

Votypka, John, assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,190,462; Feb. 13.

Wackman, Louis B., St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Sealing structure for the openings of metal containers. 2,190,495; Feb. 13.

Wagner, Matthew, Glendale, Calif. Permanent molding apparatus. 2,190,496; Feb. 13.

Walbridge, Henry D., Estate of. (See Vose, Edwin W., assignor.)

Walczak, Chester J. (See Kaboskey, B. F., and Walczak.)

Waldschmidt, Ernst, Berlin-Siemensstadt, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Glass-metal seal. 2,190,302; Feb. 13.

Walker, Cranford P., San Marino, Calif. Pressure wave velocity measuring system. 2,190,141; Feb. 13.

Walker Manufacturing Company. (See Gunn, Earl G., assignor.)

Wallerstein Company. (See Pfannmuller, Julius, assignor.)

Walsh, James F., Chicago, Ill., assignor to American Maize-Products Company, Manufacturing dried starch conversion products. 2,189,824; Feb. 13.

Waltham Horological Manufacturing Company. (See Bold, Frederick W. and A. W., assignors.)

Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Electric switch. 2,190,303; Feb. 13.

Ward, Paul S., Cincinnati, Ohio. Baking pan. 2,190,201; Feb. 13.

Wardwell Braiding Machine Company. (See Bardsley, Willard W., assignor.)

Warnecke, Robert, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Secondary electron emitting electrode. 2,189,971; Feb. 13.

Warnecke, Robert, and A. Briot, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Secondary electron emitter. 2,189,972; Feb. 13.

Wash, Lula M., Louisville, Ky. Sandal cover. 2,190,579; Feb. 13.

Watkins, Alfred H., Crawfordsville, Ark., assignor of one-half to J. P. Quinlan, Memphis, Tenn. Cultivating harrow. 2,190,618; Feb. 13.

Watson, Pearl A., Auburn, assignor to W. N. Dull and P. Mutzfeld, Butler, Ind. Sand scatterer. 2,190,619; Feb. 13.

Watt, James A., Chicago, Ill. Yieldable pressure applying clamp. 2,190,463; Feb. 13.

Waugh, Robert I., Seattle, Wash. Reading device for computing scales. 2,189,825; Feb. 13.

Weaver, Albert S., Jr. (See Brant, W. S., Lucas, Weaver, and Eakle.)

Weaver Tractor Co. (See Brant, W. S., Lucas, Weaver, and Eakle, assignors.)

Weber, Johannes, Stuttgart-Feuerbach, and H. Stoll and M. Hurst, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Output control for internal combustion engines. 2,190,630; Feb. 13.

Wedger, Walter H. (See McGill, J. H., and Wedger.)

Weisglass, Louis. (See Stranss, S., and Weisglass.)

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,190,526; Feb. 13.

Welte-Mignon Piano Corporation. (See Cheek, T. F., and Collyer, assignors.)

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Control for electric motors. 2,189,827; Feb. 13.

Westinghouse Electric & Manufacturing Company. (See Blackburn, Philip W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Campbell, Clarence B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Dinnick, George M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Elsinger, Rudolph J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Mill, Gjon, assignor.)

Westinghouse Electric & Manufacturing Company et al. (See Richardson, Henry K., assignor.)

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Frequency indicator. 2,189,848; Feb. 13.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Amplifier system. 2,189,849; Feb. 13.

Whitby, Ernest, London, and L. B. S. Golds, Warlingham, England, assignors to Landis & Gyr, A.-G. Maximum demand indicator. 2,190,497; Feb. 13.

White Manufacturing Company. (See Fisher, R. D., and Riley, assignors.)

Whiteley, Austyn L. (See Rogers, S. E., and Whiteley.)

Whiteley, Austyn L., Rugby, England, assignor to General Electric Company. Electric valve circuit. 2,190,527; Feb. 13.

Whitner, Thomas C., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining petroleum distillates. 2,189,850; Feb. 13.

Wiebecke, Walter, Alsdorf, near Aachen, F. W. Moll, Witten-Ruhr, and W. Hardieck, Dortmund, assignors to the firm F. W. Moll Söhne, Maschinenfabrik, Witten, Germany. Pulling down pit props or pillars. 2,190,536; Feb. 13.
Wiebicke, Paul, Nuremberg, Germany. Diesel motor. 2,190,537; Feb. 13.
Wiedorf, Arthur C., Milwaukee, Wis. Combination drain and plug. 2,190,278; Feb. 13.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,190,464; Feb. 13.
Williams, Ira, Woodstown, and C. C. Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Softening rubber. 2,190,587; Feb. 13.
Williams, John H., New York, N. Y. Portable table and utility cabinet. 2,190,498; Feb. 13.
Williams, Paul H., J. R. Ganger, W. H. Petit, and J. T. Davidson, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,189,851; Feb. 13.
Williamson, Floyd M., Detroit, Mich. Vanity case. 2,190,538; Feb. 13.
Windecker, Charles E., et al., executors. (See Windecker, Clifton N. and R. E.)
Windecker, Clifton N. and R. E., Painesville, Ohio; R. E. Windecker, I. W. Alonso, and C. E. Windecker, executors of said C. N. Windecker, deceased. Ammonia soda process. 2,189,826; Feb. 13.
Windecker, Robert E. (See Windecker, Clifton N. and R. E.)
Windheim, Fred T. and J., Nutley, N. J. Water heater. 2,189,749; Feb. 13.
Windheim, John. (See Windheim, Fred T. and J.)
Winebrenner, Robert E., Hanover, Pa. Stencil blank holder. 2,190,499; Feb. 13.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Lubricating apparatus. 2,190,580; Feb. 13.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Lubricating apparatus. 2,190,581; Feb. 13.
Winograd, Harold, Collingswood, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Voltage regulating means for rectifiers. 2,189,828; Feb. 13.
Winthrop Chemical Company. (See Friedrich, Hermann, assignor.)
Wishart, Ronald S. (See Vernam, G. S., and Wishart.)
Wittek, Joseph, Pasadena, Calif. Spraying device. 2,190,639; Feb. 13.
Wohl, Maurice J., New York, N. Y. Adjustable light socket. 2,190,439; Feb. 13.
Wolf, Fayette E., Akron, Ohio. Template for edging lenses. 2,190,582; Feb. 13.
Wolfe, Orrin J., Bellingham, Wash. Adjustable trailer axle. 2,190,091; Feb. 13.
Wollheim, Ernst, Berlin-Charlottenburg, Germany. Obtaining a substance lowering the blood pressure. 2,190,248; Feb. 13.
Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Filing tray. 2,190,178; Feb. 13.
Wood, John, Manufacturing Company. (See Orbeck, Einar M., assignor.)
Woodin, William H., Jr. (See Soller, Walter, assignor.)
Woodling, George V., Cleveland, Ohio, assignor to General Motors Corporation. Air conditioning. 2,190,344; Feb. 13.
Woodruff, William N. (See Toce, C. A., Broussard, and Woodruff.)
Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Electric projection device. 2,190,528; Feb. 13.
Wright's Underwear Company. (See Hurd, William, assignor.)
Wünsch, Guido, Berlin-Steglitz, and J. Schuppert, Dessau, Germany, assignors to Askania-Werke A. G. Vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Safety device for heating and other apparatus. 2,189,829; Feb. 13.
Wurr, Carl, Berlin-Lichterfelde, Germany, assignor to Askania-Werke A. G. Apparatus for creating or measuring forces. 2,190,506; Feb. 13.
Wyatt, Raymond A., Canton, Ohio, assignor to Differential Wheel Corporation. Dual wheel structure. 2,190,583; Feb. 13.
Yejeski, Lech, New York, N. Y. Apparatus for manufacturing compressed fluid containers. 2,189,852; Feb. 13.
York Ice Machinery Corporation. (See Beline, Walter E., assignor.)
York Ice Machinery Corporation. (See Light, Albert T., assignor.)
York Ice Machinery Corporation. (See Neiman, Charles H., assignor.)
Young, L. A. (See Oldham, John M., assignor.)
Zadek, Arthur, New York, N. Y. Flexible support for rattles. 2,189,853; Feb. 13.
Zeisberg, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentration of nitric acid. 2,190,304; Feb. 13.
Zellers, Clark L., Maywood, Calif. Coffee measuring device. 2,190,111; Feb. 13.
Ziese, Walter, and F. Ebel, Mannheim, and A. Schneevoigt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Conversion products of constituents of carob beans. 2,190,179; Feb. 13.
Ziganke, Ernst, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electron tube mounting. 2,189,874; Feb. 13.
Zima, Otto, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J. Production of ascorbic acid. 2,189,830; Feb. 13.
Zima, Otto, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J. Production of ascorbic acid. 2,190,167; Feb. 13.
Zimka, John, and F. Miller, Chicago, Ill. Automotive vehicle construction. 2,190,279; Feb. 13.
Zimmer, John C., Hillside, and A. J. Morway, Roselle, N. J., assignors to Standard Oil Development Company. Grease and making same. 2,189,873; Feb. 13.
Zückert, Richard, assignor to "Koh-i-noor" tužkárna L. & C. Hardtmuth, Budweis, Czechoslovakia. Pencil having a multicolored lead. 2,190,507; Feb. 13.
Zückert, Richard, Bohmisch-Budweis, assignor to the firm "Koh-i-noor" tužkárna L. & C. Hardtmuth, Ces. Budejovice, Czechoslovakia. Lead for black-lead, colored, and copying pencils and the like. 2,190,508; Feb. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for timing watches. E. Norrman. Re. 21,355; Feb. 13.
Brace for shaker conveyers, Adjustable roller. L. E. Jarrett. Re. 21,349; Feb. 13.
Cooler device, Beer. J. Panagopoulos. Re. 21,352; Feb. 13.
Electrode release for arc lamps. R. J. Brandt. Re. 21,346; Feb. 13.
Heating system. W. F. Miller. Re. 21,350; Feb. 13.
Machine for cutting sheet material. W. I. Stone. Re. 21,353; Feb. 13.
Power transmission. C. A. Neracher and T. Iavelli. Re. 21,351; Feb. 13.
Pruning apparatus for trees and the like. J. S. Goodman. Re. 21,347; Feb. 13.
Tongs, Pipe. L. E. Vaughn. Re. 21,354; Feb. 13.
Wells, Treating. M. B. Pitzer. Re. 21,356; Feb. 13.
Wheel steering, Independent. J. Haltenberger. Re. 21,348; Feb. 13.

LIST OF PLANT INVENTIONS

Rose plant. W. I. Johnston. 361; Feb. 13.
Rose plant. W. Kordes. 362–3; Feb. 13.

LIST OF DESIGN INVENTIONS

Anatomical injector. A. E. Landau and W. F. Schaefer. 118,979; Feb. 13.
Arm for lamp fixtures. A. O. Elting. 118,966–8; Feb. 13.
Automobile. L. E. Gilligan. 118,973; Feb. 13.
Blouse. B. Shander. 118,965; Feb. 13.
Box, Bread. W. Garten. 118,933; Feb. 13.
Brush, Scouring. M. H. Partridge. 119,028; Feb. 13.
Bucket, Shovel. C. W. Kimler, Sr. 118,942; Feb. 13.
Buckle, Belt. J. L. Bibula. 118,926; Feb. 13.
Bureau, bed, and bookcase, Combined. H. L. Mash and H. P. Gould. 118,982; Feb. 13.
Cabinet, Combined radio and phonograph. F. A. Kolmetz. 118,960–1; Feb. 13.
Can opener. J. O. Reinecke. 118,947; Feb. 13.
Canister or similar container. W. Garten. 118,931–2; Feb. 13.
Cards, Deck of playing. S. Kermode. 118,977; Feb. 13.
Case or similar article, Eyeglass. S. J. Goldin. 118,934; Feb. 13.
Case or similar article, Musical. L. D'Andrea. 119,025; Feb. 13.
Casing for a blower for defrosting windshields. A. G. Redmond. 118,964; Feb. 13.
Chest of drawers or similar article. G. Krick. 118,944; Feb. 13.
Clip or similar article, Brooch. M. Berkman. 119,018–24; Feb. 13.
Coat. M. Bagedonow. 118,991; Feb. 13.
Coat. M. Bauman. 119,016–17; Feb. 13.
Coat. E. Minkoff. 119,027; Feb. 13.
Coat. A. Rosenzweig. 119,011; Feb. 13.
Coat. S. Zimmerman. 119,030; Feb. 13.
Coat. H. Zuckerman. 119,012–15; Feb. 13.
Comb or similar article. L. Kahn. 118,941; Feb. 13.
Computing and listing machine. L. M. Llorens. 118,962; Feb. 13.
Dish. J. E. Spence. 118,951–2; Feb. 13.
Dish or other article of hollowware. J. G. Theobald. 118,990; Feb. 13.
Display device, Advertising. M. E. Ramsey. 118,986; Feb. 13.
Doll. O. M. Jay. 118,959; Feb. 13.
Doll. O. M. Jay. 118,974–6; Feb. 13.
Doll. D. F. Ryan. 118,948; Feb. 13.
Drawer pull. O. A. Westgaard. 118,955; Feb. 13.
Dress. C. Charles. 118,995; Feb. 13.
Dress. B. C. Goldish. 118,997; Feb. 13.
Dress. J. Gottreich. 118,998; Feb. 13.
Dress. A. Rebhuhn. 119,008–9; Feb. 13.
Dress. B. Recht. 119,007; Feb. 13.
Dress ensemble. C. Charles. 118,994; Feb. 13.
Dress ensemble. J. Lipof. 119,003; Feb. 13.
Dress ensemble. C. G. Mascitelli. 119,004; Feb. 13.
Dresser or similar article, Vanity. G. Krick. 118,943; Feb. 13.
Envelope or similar article, Package. L. L. Salfisberg. 118,989; Feb. 13.
Fabric, Textile. N. Grodnick. 118,999–119,000; Feb. 13.
Fabric, Textile. J. R Jowett. 119,026; Feb. 13.
Fabric, Textile. L. G. Meurer. 119,005; Feb. 13.
Fabric, Textile. J. Rubin. 119,029; Feb. 13.
Freezer, Ice cream. J. W. Townsend. 118,954; Feb. 13.
Game device, Bull's-eye target. I. J. Hawkins and R. L. Nadeau. 118,938–9; Feb. 13.
Gown, Evening. H. Berman. 118,993; Feb. 13.
Handbag. M. Berkowitz. 118,992; Feb. 13.
Hanger or similar article, Coat. E. M. Paterson. 118,984; Feb. 13.
Holder or similar article, Paper roll. L. Guild. 118,936; Feb. 13.
Indicator, Dairy products. C. L. Sentney. 118,950; Feb. 13.
Iron, Electrically heated steam. J. Galter. 118,996; Feb. 13.
Lamp base. H. A. Perlmutter. 118,985; Feb. 13.
Lamp, Floor. S. G. Nelson. 118,983; Feb. 13.
Lantern. M. J. Freemark. 118,969–71; Feb. 13.
Lathe or similar article. R. E. Frushour. 118,930; Feb. 13.
Lighting fixture or similar article. H. E. Rutledge. 118,988; Feb. 13.
Mounting for a reading glass or similar article. T Friedman. 118,929; Feb. 13.
Nightgown and crib cover, Combined. B. B. Friedman. 118,972; Feb. 13.
Pencil, Mechanical. W. O. Ponath. 119,006; Feb. 13.
Photographic viewing apparatus. A. E. Schubert. 118,949; Feb. 13
Projection apparatus, Photographic. R. S. Hopkins. 118,940; Feb. 13.
Pump. H. M. Loeber. 118,981; Feb. 13.
Radiator. J. F. McIntire. 118,945; Feb. 13.
Ring, Finger. F. P Kinsley. 118,978; Feb. 13.
Robe, Carriage. B. B. Friedman. 118,956; Feb. 13.
Service station. S. Green. 118,935; Feb. 13.
Shaker or similar article, Salt. L. Guild. 118,937; Feb. 13.
Shoe or similar article. N. Elkin. 118,927–8; Feb. 13.
Spoon or other article of flatware. J. R. Price. 118,946; Feb. 13.
Station enclosure, Control. J. O. Reinecke. 118,987; Feb. 13.
Suit. S. Zimmerman. 119,031; Feb. 13.
Sweater. L Goldsmith. 118,957–8; Feb. 13.
Tool unit, Portable power driven hand. G. B. Larson. 118,980; Feb. 13.
Toy airplane. L. Thro. 118,953; Feb. 13.
Tumbler or the like. W. Lundy. 118,963; Feb. 13.
Vaporizer, Electric. J. Robinson. 119,010; Feb. 13.
Vehicle. L. Keller. 119,001–2; Feb. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. P. H. Williams, J. R. Ganger, W. H. Petit, and J. T. Davidson. 2,189,851; Feb. 13.
Acid and making the same, Derivatives of 2,6-dihydroxypyridine-4-carboxylic. M. Dohrn and H. Nahme. 2,190,444; Feb. 13.
Acid, Concentration of nitric. F. C. Zeisberg. 2,190,304; Feb. 13.
Acid from gases containing phthalic anhydride, Recovery of phthalic. G. W. Talbert. 2,190,001; Feb. 13.
Acid from sorbose, Production of ascorbic. O. Dalmer and K. Heyns. 2,189,778; Feb. 13.
Acid from sorbose, Production of keto gulonic. O. Dalmer and K. Heyns. 2,190,377; Feb. 13.
Acid, Producing ascorbic. O. Zima. 2,189,830; Feb. 13.
Acid, Production of ascorbic. O. Zima. 2,190,167; Feb. 13.
Adapter for lubricating devices, Replaceable needle point. C. W. Ginter. 2,190,357; Feb. 13.
Adapter for valve bags. A. J. Verwys. 2,189,847; Feb. 13.
Adhesive. A. Menger. 2,190,239; Feb. 13.
Adhesives, Manufacture of. J. R. Adams. 2,190,372; Feb. 13.
Advertising device. A. H. Christensen. 2,190,114; Feb. 13.
Agitator for washing machines. L. G. Knapp and T. V. Parke. 2,189,862; Feb. 13.
Air conditioner. C. H. Neiman. 2,190,242; Feb. 13.
Air conditioning. G. V. Woodling. 2,190,344; Feb. 13.
Air furnace. C. Mallory. 2,190,410; Feb. 13.
Air valve, Adjustably vented. W. K. Simpson. 2,190,197; Feb. 13.
Aircraft control. J. Thiry. 2,190,391; Feb. 13.
Airplane control. I. I. Sikorsky. 2,190,340; Feb. 13.
Alarm device. B. F. MacPherson. 2,190,533; Feb. 13.
Alcohols, Secondary mixed aliphatic-cyclic. J. Kaupp, B. Ritzenthaler, C. Schuster, and H. Hoyer. 2,190,600; Feb. 13.
Alcohols, Production of. B. T. Brooks. 2,190,501; Feb. 13.
Alkyl phenols and manufacturing the same. L. P. Kyrides. 2,189,805; Feb. 13.
Alloy: *See*—
Aluminum alloy.
Austenitic chromium nickel steel alloy.
Alloys of calcium with aluminum, Preparing. G. N. Kirsebom. 2,190,290; Feb. 13.
Aluminum alloy. E. A. Schmeller. 2,189,834–5; Feb. 13.
Amalgamator, Continuous. H. H. Culmer. 2,190,632; Feb. 13.
Ammonia soda process. C. N. and R. E. Windecker. 2,189,826; Feb. 13.
Ammonium derivatives of alcohol amine compounds, Quaternary. A. K. Epstein and M. Katzman. 2,190,133; Feb. 13.
Amplifier system. H. A. Wheeler. 2,189,849; Feb. 13.
Anchor member, Adjustable tie-down. W. H. Mussey. 2,190,636; Feb. 13.
Animal trap. A. D. Sund. 2,190,089; Feb. 13.
Antenna arrangement. E. Kramar. 2,189,910; Feb. 13.
Antiskid device. H. R. Ansel. 2,190,142; Feb. 13.
Antislipping device. B. A. Dow. 2,189,884; Feb. 13.
Apparatus for capping bottles. E. G. Baum. 2,190,509; Feb. 13.
Apparatus for closing tanks. J. Muller. 2,189,991; Feb. 13.
Apparatus for controlling the movement of heavy masses. H. F. Vickers and N. B. Frost. 2,189,823; Feb. 13.
Apparatus for creating and measuring forces. C. Wurr. 2,190,506; Feb. 13.
Apparatus for determining pressure and temperature in a well. G. H. Ennis. 2,190,260; Feb. 13.
Apparatus for dry generation of acetylene. M. O'Brian. 2,189,762; Feb. 13.
Apparatus for eliminating pipe, etc., in metals. G. W. Hazey. 2,190,209; Feb. 13.
Apparatus for forming external threads in a workpiece. G. H. Hagerman. 2,189,868; Feb. 13.
Apparatus for making toothed cutters and the like. J. H. Howard. 2,190,360; Feb. 13.
Apparatus for manufacturing compressed fluid containers. L. Yejeski. 2,189,852; Feb. 13.
Apparatus for measuring humidity. R. M. Buffington and G. K. Ashby. 2,189,855; Feb. 13.
Apparatus for producing a uniform tension in winding devices. M. Bretschneider. 2,190,529; Feb. 13.
Apparatus for projection of molten pulverized bodies. F. P. C. Benoit. 2,190,326; Feb. 13.
Apparatus for testing oil and gas wells. C. E. Blackburn. 2,190,250; Feb. 13.
Apparatus for the drying of the hair. H. M. Armistead. 2,190,168; Feb. 13.
Apparatus for the manufacture of casein. E. B. Oberg. 2,190,136; Feb. 13.
Apparatus for the manufacture of glassware. T. F. Pearson. 2,190,042; Feb. 13.
Apparatus for treating rubber. W. W. Knight. 2,190,266; Feb. 13.
Apparatus for washing hollow vessels. W. McKenna. 2,189,761; Feb. 13.
Apparel garment. W. Kops. 2,190,030; Feb. 13.
Applicator for dogs, Sanitary. C. L. W. Fuqua. 2,190,115; Feb. 13.
Armature hinge for relays. J. F. Merkel. 2,190,381; Feb. 13.
Article feeding mechanism. M. J. Milmoe and C. J. Malhiot. 2,190,620; Feb. 13.
Articles from metal, Manufacturing hollow. K. Staiger. 2,190,536; Feb. 13.
Ashtray for smokers. I. E. Cohn. 2,189,940; Feb. 13.
Attachment for carrying batteries suspended on a belt. F. La Van. 2,190,801; Feb. 13.
Attachment for cloth-cutting machines, Sharpening. A. P. Komow. 2,189,863; Feb. 13.
Attachment for cultivators. J. O. Simmons, Sr. 2,190,166; Feb. 13.
Attachment for fishing reels, Antibacklash. A. E. Guy. 2,189,952; Feb. 13.
Attachment for lathes. W. A. Stone. 2,189,968; Feb. 13.
Attachment for scales, Drafting. J. B. Clerke. 2,190,327; Feb. 13.
Audio amplifier circuit. L. E. Orne. 2,190,482; Feb. 13.
Austenitic chromium nickel steel alloy. P. Schafmeister. 2,190,486; Feb. 13.
Automobile door lock. H. A. Pearce. 2,189,992; Feb. 13.
Automobile glass control lock. L. C. Ruska. 2,190,047; Feb. 13.
Automobile signal. W. Rudolph. 2,190,124; Feb. 13.
Axle, Adjustable trailer. O. J. Wolfe. 2,190,091; Feb. 13.
Bag: *See*—
Therapeutic bag.
Bait, Artificial fish. C. L. Goldammer. 2,190,449; Feb. 13.
Ballot. C. W. Foster. 2,190,019; Feb. 13.
Bandage, Gauze. J. A. Hinkamp and H. R. Brasel. 2,190,378; Feb. 13.
Beach accessory. C. E. Julian. 2,190,566; Feb. 13.
Beaching gear. K. Henrichsen and C. J. Leisy. 2,190,358; Feb. 13.
Bearing. J. E. Padgett. 2,190,041; Feb. 13.
Bearing. J. E. Shafer. 2,189,838; Feb 13.
Bed, Couch. T. Foster. 2,189,946; Feb. 13.
Belt and tape cutter. W. Sperry. 2,190,049; Feb. 13.
Belt, Endless grinding and polishing. G. H. Cherrington. 2,189,754; Feb. 13.
Bending machine, Windshield frame. A. E. Henricson. 2,190,423; Feb. 13.
Beta-alkyl choline salts and intermediates and their production. R. T. Major and H. T. Bonnett. 2,189,808; Feb. 13.
Billet conditioning method. J. H. Bucknam and A. J. Miller. 2,189,753; Feb. 13.
Bit: *See*—
Drag bit.
Bit block for cutter chains. E. P. Stenger and A. O. Bruestle. 2,190,000; Feb. 13.
Bituminous emulsions, Production of. J. A. Montgomerie and P. K. Archibald. 2,190,604; Feb. 13.
Blasting charge. J. Taylor. 2,190,460; Feb. 13.
Boiler construction. F. L. Cormier. 2,190,351; Feb. 13.
Bolt nutting machine. W. Majusick. 2,190,077; Feb. 13.
Books for binding, Preparing. C. Schramm. 2,189,929; Feb. 13.
Boom bucket. O. Sheck. 2,190,339; Feb. 13.
Bottle cap. J. F. Pedder. 2,190,606; Feb. 13.
Bottle cooling rack. A. E. Gregory. 2,190,474; Feb. 13.
Box: *See*—
Chick box.
Box. E. C. Mulnix. 2,189,920; Feb. 13.
Box. E. R. Stivers. 2,190,199; Feb. 13.
Box for drilling apparatus, Gear. J. P. Lang. 2,189,912; Feb. 13.
Brake: *See*—
Railway hand brake. Vehicular brake.
Trailer brake.
Brake and making same, Coaster. S. B. Kurzina, Jr. 2,189,957; Feb. 13.
Brake for motorcycles and bicycles, Hydraulic. R. D. Insko. 2,189,904; Feb. 13.

Brake mechanism. S. A. Snell. 2,190,087; Feb. 13.
Braking system for vehicles, Oil actuated. J. Kohler. 2,190,120; Feb. 13.
Braking system, Hydrocompound. O. Lepersonne. 2,190,238; Feb. 13.
Bridge for string instruments. F. Gretsch, Jr. 2,190,475; Feb. 13.
Broaching machine. W. A. Hart. 2,189,984; Feb. 13.
Broaching machine. W. A. Hart. 2,190,067; Feb. 13.
Brush construction. W. C. Beames. 2,190,181–2; Feb. 13.
Brush, Dental. S. Viragh. 2,190,277; Feb. 13.
Brush, Rotary. G. R. Churchill. 2,190,206; Feb. 13.
Brush, Self-feeding. J. E. Jones. 2,190,599; Feb. 13.
Building member. G. E. Swenson. 2,189,820; Feb. 13.
Bungalow. F. F. Townsend. 2,190,002; Feb. 13.
Bunion corrector. J. C. Day and W. F. Marshall. 2,190,016; Feb. 13.
Burner: *See*—
Fuel burner. Weed burner.
Liquid fuel burner.
Burner device, Fluid fuel. O. W. Hahn. 2,190,099; Feb. 13.
Burner mount for oil burning locomotives. L. K. Botteron. 2,189,877; Feb. 13.
C clamp. H. A. Rhinevault. 2,190,585; Feb. 13.
Cabbage miller trap. L. Brandt. 2,190,251; Feb. 13.
Cabinet: *See*—
Towel cabinet.
Cabinet for the storage of film. J. G. Bradley. 2,190,229;
Cable: *See*—
Electric cable.
Cage, Bird. H. G. Hoefler. 2,190,119; Feb. 13.
Feb. 13.
Calendar, Mechanical. C. E. Tally. 2,189,821; Feb. 13.
Calf feeder. L. D. Frederick and O. T. Bloom. 2,190,420; Feb. 13.
Can for coffee urns, Pouring. W. Cecil. 2,190,441; Feb. 13.
Can puncturing device. B. Simunich. 2,190,275; Feb. 13.
Cane mill. E. W. Kopke. 2,190,029; Feb. 13.
Cap: *See*—
Bottle cap. Ingot cap.
Cap for luminescent tubes or fluorescent lamps, Lamp. J. Liston. 2,190,364; Feb. 13.
Cap for use with various types of vessels from which it is desired to dispense measured quantities of free flowing materials. C. H. Bailey. 2,190,092; Feb. 13.
Car: *See*—
Railway car.
Car construction, Hopper. K. F. Nystrom. 2,190,333; Feb. 13.
Car journal hoisting apparatus, Railway. A. W. Donop. 2,189,977; Feb. 13.
Car wheel. A. J. Hersey and C. L. Madden. 2,189,901; Feb. 13.
Carbide composition, Refractory. F. R. Hensel. 2,190,477; Feb. 13.
Carbon compounds, Manufacture or recovery of polynuclear. M. Pier, L. Boente, and A. Eisenhut. 2,190,191; Feb. 13.
Carburetor. D. Firth. 2,190,314; Feb. 13.
Carriage return mechanism for typewriters, Motor driven. F. Elbert. 2,189,942; Feb. 13.
Carrier: *See*—
Umbrella carrier.
Case of stoneware or like brittle material, Clock. H. Junghans. 2,190,158; Feb. 13.
Case: *See*—
Vanity case.
Casing, Sash balance. O. L. Dautrick. 2,190,097; Feb. 13.
Casing, Well. H. N. Keener. 2,190,362; Feb. 13.
Casting machine, Pig-metal. H. A. Jackson. 2,190,406; Feb. 13.
Catalytic apparatus. C. Pleydell-Bouverie and O. D. Lucas. 2,190,548; Feb. 13.
Cell, Electrolytic. G. C. Gaut and D. J. P. Phillips. 2,190,285; Feb. 13.
Cell, Electrolytic. G. C. Gaut, D. J. P. Phillips, and B. F. Huggins. 2,190,286; Feb. 13.
Cellulose, Bleaching. L. M. Sheldon. 2,190,274; Feb. 13.
Cellulose derivatives. J. F. Haskins. 2,190,451; Feb. 13.
Cellulose ether product, Regenerated. D. C. Ellsworth. 2,190,445; Feb. 13.
Cellulose ethers. F. C. Hahn. 2,190,450; Feb. 13.
Cellulosic material, Chemical pulping of raw. G. A. Richter. 2,190,194; Feb. 13.
Chain forming machine. F. E. Stahl. 2,190,129; Feb. 13.
Chain, Making twisted. F. E. Stahl. 2,190,130; Feb. 13.
Chair. H. D. Croy. 2,190,401; Feb. 13.
Chair. C. E. Scott. 2,190,221; Feb. 13.
Chamber, Submersible. E. S. Martine. 2,190,330; Feb. 13.
Chemical apparatus. W. F. Schilling. 2,190,220; Feb. 13.
Chick box. H. S. Burnham. 2,190,399; Feb. 13.
Chucking machine and method. S. E. Green. 2,190,208; Feb. 13.
Chute and switch, Sack. W. M. Brenchley. 2,190,094; Feb. 13.
Cigarette. W. F. M. Edwards. 2,189,886; Feb. 13.
Cigarette and making the same. W. B. Pohle. 2,190,107; Feb. 13.
Cigarette dispenser. A. Huesing. 2,189,954; Feb. 13.
Cigarette holder. W. W. Brady. 2,189,878; Feb. 13.
Cigarette rod former. W. B. Bronander. 2,190,012; Feb. 13.
Cigars, Packaging. J. A. Neumair. 2,190,189; Feb. 13.
Circuit: *See*—
Audio amplifier circuit. Electric valve circuit.
Control and warning circuit. Gas tube circuit.
Telephone circuit.
Electric circuit.
Circuit braker. O. S. Jennings. 2,190,517; Feb. 13.
Circuit controller. C. C. Bradbury. 2,190,468; Feb. 13.
Circuit controller. E. G. Little. 2,190,520; Feb. 13.
Circuit for radio receivers, Control. O. T. Laube. 2,190,546; Feb. 13.
Circuits, Electric valve. G. W. Garman. 2,190,514; Feb. 13.
Circuits, High frequency. G. W. Fyler. 2,190,513; Feb. 13.
Circuits, Tuning indicator. W. van B. Roberts. 2,190,435; Feb. 13.
Circuits, Variable coupling of electrical oscillatory. H. D. Ellis. 2,189,768; Feb. 13.
Circulating system and valve for controlling the same. D. R. McNeal. 2,189,814; Feb. 13.
Clamp: *See*—
C clamp. Mechanical clamp.
Connector clamp. Pressure applying clamp.
Expansion clamp.
Clamp for rotary printing presses, Plate. W. P. V. Ross and D. H. Mars. 2,190,385; Feb. 13.
Clamping mechanism, Plate. A. J. Horton. 2,190,380; Feb. 13.
Cleaner: *See*—
Pipe fitting cleaner. Vacuum cleaner.
Cleaning device, Wellhole. C. E. Braden. 2,190,145; Feb. 13.
Cleaning implement. A. A. Johnson. 2,190,427; Feb. 13.
Clips to pens, etc., Attaching. A. W. Schoneberger. 2,189,963; Feb. 13.
Closet. H. J. Newnes. 2,190,040; Feb. 13.
Clutch: *See*—
Hydraulically operated clutch.
Clutch or the like. C. Schürmann. 2,189,930; Feb. 13.
Coating machine. F. Eberhart. 2,189,783; Feb. 13.
Coatings to fibers in mat form, Applying. A. L. Simison and H. W. Collins. 2,189,840; Feb. 13.
Cock or valve. R. W. Leach. 2,190,602; Feb. 13.
Coffee container. W. E. Barnard. 2,190,203; Feb. 13.
Coffee-making device. A. A. Peters. 2,190,270; Feb. 13.
Coffee measuring device. C. L. Zellers. 2,190,111; Feb. 13.
Coffeepot. A. Pagliuco. 2,190,522; Feb. 13.
Coil cleaning method. G. M. Gump. 2,189,950; Feb. 13.
Colloid materials, Sterilizing. C. L. Griffith and L. A. Hall. 2,189,949; Feb. 13.
Color stabilization of green vegetables. J. S. Blair. 2,189,774; Feb. 13.
Communication system. R. V. L. Hartley. 2,189,898; Feb. 13.
Compensator for meters, By-pass. R. H. Barge. 2,189,750; Feb. 13.
Compresser-condenser unit for refrigerating machines. W. E. Beline. 2,190,249; Feb. 13.
Connection for knobs and the like. G. A. Tinnerman. 2,190,577; Feb. 13.
Connection, Spark plug. J. M. Oldham. 2,190,162; Feb. 13.
Connector clamp. M. A. Best. 2,190,510; Feb. 13.
Container: *See*—
Coffee container. Transparent container.
Container. F. D. Palmer. 2,190,433; Feb. 13.
Container. L. Roth. 2,190,163; Feb. 13.
Containers, Making. G. A. Moore. 2,190,479; Feb. 13.
Control and warning circuit. H. K. Johnson. 2,190,428; Feb. 13.
Control apparatus. A. L. Riche. 2,189,996; Feb. 13.
Control apparatus, Remote. R. K. Frazier. 2,190,447; Feb. 13.
Control device. D. D. Wile. 2,190,464; Feb. 13.
Control device for power driven vehicles including a plurality of prime movers, Multistage. H. Nyffenegger. 2,190,534; Feb. 13.
Control device for rectifiers with ionized vapor. M. Demontvignier. 2,190,353; Feb. 13.
Control for electric motors. C. J. Werner. 2,189,827; Feb. 13.
Control for resilient bodies and the like, Deformation. E. E. Kellems. 2,189,987; Feb. 13.
Control mechanism, Display sign. St. G. Lafitte. 2,189,911; Feb. 13.
Control system, Automatic relay. R. L. A. Valtat. 2,189,846; Feb. 13.
Control system, Electron discharge device. I. K. Dortort 2,189,782; Feb. 13.
Control system for railroads, Automatic train. P. W. Smith. 2,190,505; Feb. 13.
Control system, Liquid pressure remote. E. C. S. Clench 2,190,257; Feb. 13.
Conversion products of the constituents of carob beans W. Ziese, F Ebel, and A. Schneevoigt. 2,190,179; Feb. 13.

Conveyer for heat-treating furnaces, Chain. H. H. Harris. 2,189,983; Feb. 13.
Conveyer roller construction. S. Olson. 2,190,336; Feb. 13.
Cooling apparatus. R. J. Elsinger. 2,190,171; Feb. 13.
Cooling system. G. L. Usselman and C. W. Hansell. 2,190,110; Feb. 13.
Cooling system for piston engines. L. Birkigt. 2,190,394; Feb. 13.
Copper linings, Obtaining. P. Misciattelli. 2,190,121; Feb. 13.
Copper, Treating. L. Orlando. 2,190,570; Feb. 13.
Coring and drilling device. J. T. Phipps. 2,189,923; Feb. 13.
Coupling. E. M. Pfauser. 2,190,081; Feb. 13.
Coupling and method and apparatus for making same. Tube. W. J. Kleinknecht. 2,190,478; Feb. 13.
Cover: *See*—
License tag cover. Sandal cover.
Cover and pad, Electrically wired table. E. D. Vollmer. 2,190,225; Feb. 13.
Cover for books, Protective. E. Davidson. 2,190,055; Feb. 13.
Covering material. L. Kirschbraun. 2,190,028; Feb. 13.
Crank for mowers, Honing. C. Basham. 2,190,005; Feb. 13.
Crankshaft, Sectional. T. E. Mattison. 2,190,411; Feb. 13.
Crusher, Ore. J. J. Morch. 2,190,036; Feb. 13.
Cutter: *See*—
Belt and tape cutter. Expansible cutter.
Cutter and bearing assembly. R. W. Maxwell. 2,190,365; Feb. 13.
Cutter mounting means, Reamer. A. C. Catland. 2,190,350; Feb. 13.
Cylinder supporting arrangement. C. B. Campbell. 2,190,170; Feb. 13.
Dairy appliance. E. Shurts. 2,190,165; Feb. 13.
Damping system. E. W. Kellogg. 2,190,318; Feb. 13.
Decalcomania. F. W. Humphner. 2,190,405; Feb. 13.
Decalcomania and preparing same. J. W. Kaber. 2,190,210; Feb. 13.
Degermination process. C. R. Brown. 2,190,095; Feb. 13.
Delivery valve. A. Carrillo. 2,190,255; Feb. 13.
Designation transmitter. H. M. Bascom. 2,190,307; Feb. 13.
Device for driving boards, planks, or the like into the ground. J. E. R. Simons, and E. L. and A. Brice. 2,190,387; Feb. 13.
Diesel motor. P. Wiebicke. 2,190,537; Feb. 13.
Dispenser: *See*—
Cigarette dispenser.
Dispenser for powdered soap or similar granular material. M. Conner. 2,190,311; Feb. 13.
2,190,311; Feb. 13.
Display device. J. W. Redfield. 2,190,083; Feb. 13.
Display rack. F. D. Griffin. 2,190,065; Feb. 13.
Display sign. J. Hutchinson. 2,190,426; Feb. 13.
Display stand. A. H. Jung. 2,190,567; Feb. 13.
Display stand. F. C. Stocker. 2,190,127; Feb. 13.
Door: *See*—
Refrigerator door. Sliding door.
Door latch. R. E. Ott. 2,190,080; Feb. 13.
Door latch, Automobile. R. E. Joyce, Jr. 2,190,518; Feb. 13.
Door operating mechanism, Coke-oven. G. Salkvist. 2,190,297; Feb. 13.
Drag bit, Changeable blade. F. L. Pivoto. 2,190,434; Feb. 13.
Drain and plug, Combination. A. C. Wiedoff. 2,190,278; Feb. 13.
Drain head, Adjustable leveling. S. Lukomski. 2,190,532; Feb. 13.
Drill machine control apparatus. E. Foshie. 2,190,284; Feb. 13.
Drill stem circuit tester. D. G. Hawthorn and J. E. Owen. 2,189,900; Feb. 13.
Drilling apparatus. H. W. Huber. 2,190,235; Feb. 13.
Drinks, Dispensing cold. P. Schlumbohm. 2,190,081; Feb. 13.
Duplicating machine. J. R. Nalbach. 2,189,921; Feb. 13.
Dyes, Azo. J. W. Lang and C. K. Black. 2,189,806; Feb. 13.
Dyestuffs, Azo. H. Kleiner, D. Delfs, and O. Bayer. 2,190,172; Feb. 13.
Dynamically compensated strain gauge. W. M. Bleakney. 2,189,775; Feb. 13.
Earth mover. E. W. Austin. 2,190,347; Feb. 13.
Earth moving device. E. W. Austin. 2,190,346; Feb. 13.
Educational device. E. F. Hiser. 2,189,902; Feb. 13.
Elastic bands, Method and apparatus for making. A. N. Spanel. 2,189,966; Feb. 13.
Electric cable. W. A. Del Mar. 2,190,017; Feb. 13.
Electric circuit. G. H. Bushway. 2,189,856; Feb. 13.
Electric cord plug, Separable. O. A. Cole. 2,190,230; Feb. 13.
Electric discharge vessel. R. Scharfnagel. 2,189,928; Feb. 13.
Electric filter. K.-H. Krambeer. 2,190,430; Feb. 13.
Electric motor. C. P. Sweeny. 2,190,223; Feb. 13.
Electric switch. F. H. Travers. 2,190,525; Feb. 13.
Electric switch. H. L. Van Valkenburg. 2,190,299; Feb. 13.
Electric switch. C. Wantz. 2,190,303; Feb. 13.
Electric switch, Double break. H. A. Smith. 2,190,342; Feb. 13.
Electric valve circuit. A. L. Whiteley. 2,190,527; Feb. 13.
Electrical control system. T. Curzon. 2,190,402; Feb. 13.
Electrical system. L. P. Morris. 2,189,990; Feb. 13.
Electrode, Secondary electron emitting. R. Warnecke. 2,189,971; Feb. 13.
Electrode structure. W. H. Hickok. 2,189,985; Feb. 13.
Electrode, Tube. D. Schenk. 2,189,998; Feb. 13.
Electrodes, Making mosaic. W. Hickok. 2,189,986; Feb. 13.
Electromagnetic mechanism. E. E. Bilgart. 2,189,934; Feb. 13.
Electron discharge device. H. Bruining. 2,189,973; Feb. 13.
Electron emitter, Secondary. R. Warnecke and A. Briot. 2,189,972; Feb. 13.
Electron tube mounting. E. Ziganke. 2,189,874; Feb. 13.
Electronic discharge tube. A. Katsch. 2,189,906; Feb. 13.
Elevator and wrench, Combination. J. E. Le Bus. 2,190,547; Feb. 13.
Emulsifying means and method. A. C. Daman. 2,189,779; Feb. 13.
Emulsion product. D. F. Brown and H. C. De Hoff. 2,189,854; Feb. 13.
Emulsions, Resolving. O. F. Hedenburg. 2,190,022; Feb. 13.
Envelope and the packing of same, Dry-sealing. V. E. Heywood. 2,190,024; Feb. 13.
Envelope or container, Dry-sealing. V. E. Heywood. 2,190,023; Feb. 13.
Engine: *See*—
Oil engine. Rotary engine.
Engine treatment, Internal combustion. P. A. Schnebelen. 2,190,459; Feb. 13.
Engines, Scavenging of high speed two-stroke internal combustion. W. Boxan. 2,190,011; Feb. 13.
Esters of hydrohalides of methylhydrasteine and producing the same, Alkyl. C. R. Addinall and R. T. Major. 2,189,809; Feb. 13.
Etching or deposition frame, Electric. W. Beebe. 2,190,440; Feb. 13.
Ether, Stabilized divinyl. R. T. Major and W. L. Ruigh. 2,189,810; Feb. 13.
Evaporator, Refrigerator. W. W. Higham. 2,190,288; Feb. 13.
Expander tool. A. J. Scholtes. 2,190,386; Feb. 13.
Expansible cutter. E. M. Staples. 2,190,492; Feb. 13.
Expansion clamp, Parking meter. C. A. Toce, R. F. Broussard, and W. N. Woodruff. 2,190,555; Feb. 13.
Exposure meter. F. Loewenberg. 2,190,159; Feb. 13.
Fabric: *See*—
Knitted fabric. Woven fabric.
Fan. E. W. Vose. 2,190,767; Feb. 13.
Fan and limit control, Combination. B. E. Shaw. 2,190,337; Feb. 13.
Fan, Motor driven. G. F. Hardin. 2,190,118; Feb. 13.
Fastener: *See*—
Slide fastener.
Fastener stringers, Making slide. G. Sundback. 2,190,628; Feb. 13.
Fault tetector and stopping device for textile machines. W. W. Bardsley. 2,190,169; Feb. 13.
Feed material from lettuce, Manufacture of a. H. A. Smith. 2,190,176; Feb. 13.
Feeder: *See*—
Calf feeder.
Fender for plows. R. L. Miller. 2,190,240; Feb. 13.
Filter: *See*—
Electric filter. Fluid filter.
Filter. G. E. Lofgren. 2,190,103; Feb. 13.
Filter pack. J. Colas. 2,190,014; Feb. 13.
Fire stop for apparatus racks. R. B. Ramsey. 2,189,993; Feb. 13.
Fish canning machine. H. J. Paynter and W. E. Rooney. 2,189,831; Feb. 13.
Fish lure. A. O. Middlemiss. 2,189,958; Feb. 13.
Fishing float. B. P. Chreitzberg. 2,190,113; Feb. 13.
Fishing tackle. F. E. Fender. 2,189,979; Feb. 13.
Fitting for cord sets, Electrical. R. Knapp. 2,190,363; Feb. 13.
Fitting for fixing skins to skis. D. Matthee and F. Genecand. 2,189,760; Feb. 13.
Flange oiler. A. and P. Tecca. 2,190,554; Feb. 13.
Flask and stopper therefor. F. A. and R. K. Cutter. 2,190,054; Feb. 13.
Flask filling apparatus. W. E. Naylor. 2,190,457; Feb. 13.
Flavoring ingredient into a frozen comestible, Introducing a. A. M. Alexander. 2,190,226; Feb. 13.
Flocculation process and apparatus. J. V. Dorr. 2,190,596; Feb. 13.
Flowerpot. G. Haglund. 2,189,982; Feb. 13.
Fluid filter. J. F. Auberschek. 2,190,305; Feb. 13.
Fluid pressure system. H. C. Bowen. 2,190,228; Feb. 13.
Fluids, Heating hydrocarbon. W. E. Lobo. 2,190,635; Feb. 13.
Flushing mechanism for toilet tanks. J. L. Mason and G. L. McNabb. 2,190,160; Feb. 13.
Foil, Strip annealing aluminum. M. Schon. 2,189,836; Feb. 13.

Folding machine. W. W. Davidson. 2,190,413; Feb. 13.
Folding machine. W. W. Davidson. 2,190,415–16; Feb. 13.
Folding machine. W. W. and W. W. Davidson, Jr. 2,190,414; Feb. 13.
Folding machine. W. W. Davidson, Jr. 2,190,417; Feb. 13.
Foods, Deaerating frozen. E. G. Hawkins. 2,190,151; Feb. 13.
Footwear, Manufacture of. A. W. Donovan. 2,190,512; Feb. 13.
Fork, Loading. J. L. Shumaker. 2,190,573; Feb. 13.
Form, Carbon manifold. G. F. Brisendine. 2,190,253; Feb. 13.
Former for cigarette machines. J. W. Leary. 2,190,032; Feb. 13.
Frame: *See*—
Etching or deposition frame. Poster display frame.
Poster frame. Window frame.
Frequency indicator. H. A. Wheeler. 2,189,848; Feb. 13.
Fuel burner. E. G. Peterson. 2,190,190; Feb. 13.
Fuel injection. J. E. Tuscher. 2,190,051; Feb. 13.
Funnel, Drum end filling. V. E. Sprouse. 2,189,967; Feb. 13.
Furnace: *See*—
Air furnace.
Furnace construction. H. F. Curtis. 2,190,375; Feb. 13.
Fuse, Aerial bomb. F. W. and A. W. Bold. 2,190,374; Feb. 13.
Fuse construction. W. O. Schultz. 2,189,764; Feb. 13.
Fuse crimping tool. A. W. Day. 2,189,781; Feb. 13.
Gain control arrangement. L. W. Reinken. 2,189,925; Feb. 13.
Game. A. M. Lassen. 2,190,031; Feb. 13.
Game. E. G. Perrier. 2,189,922; Feb. 13.
Garment hanger C. B. Herzinger. 2,190,102; Feb. 13.
Garment sizing form, Cleaner's. W. R. Frentzel. 2,189,789; Feb. 13.
Gas discharge tube. W. L. Meier. 2,190,079; Feb. 13.
Gas generating apparatus. R. M. Mead. 2,190,366; Feb. 13.
Gas generator. R. M. Mead. 2,190,367; Feb. 13.
Gas generator, Automatic acetylene. R. C. Sabins. 2,190,272; Feb. 13.
Gas tube circuit. L. K. Swart. 2,190,552; Feb. 13.
Gases from bituminous fuels, Production of combustible. W. Malkomes. 2,190,293; Feb. 13.
Gases, Treatment of hydrocarbon. J. C. Morrell and A. V. Grosse. 2,189,815; Feb. 13.
Gasket construction. A. W. L. Hartbauer. 2,189,795; Gasoline, Production of. H. J. Nichols, Jr. and G. L. Mateer. 2,190,480; Feb. 13.
Gate: *See*—
Highway gate.
Gauge: *See*—
Dynamically compensated Tire gauge.
strain gauge.
Gears *See*—
Beaching gear.
Gear shifting mechanism, Automatic. T. F. Cheek and L. G. Collyer. 2,190,256; Feb. 13.
Gearing. J. M. Custenborder. 2,190,259; Feb. 13.
Gearing, Change speed. J. M. Hall and H. E. Tucker. 2,189,794; Feb. 13.
Gearshift mechanism. A. Vanderveld. 2,190,629; Feb. 13.
Generator: *See*—
Gas generator.
Geophysical prospecting. G. Peterson. 2,190,324; Feb. 13.
Geophysical prospecting. G. Potapenko. 2,190,322; Feb. 13.
Geophysical prospecting, Method and apparatus for. G. Potapenko. 2,190,321; Feb. 13.
Geophysical prospecting, Method and apparatus for. G. Potapenko and D. Folland. 2,190,323; Feb. 13.
Glass to metal seals, Making. S. Umbreit. 2,189,970; Feb. 13.
Glycerides and recovering glycerin, Splitting. B. H. Thurman. 2,190,616; Feb. 13.
Glycerin by fermentation, Production of. H. Haehn. 2,189,793; Feb. 13.
Golf ball marking device. R. J. Hibbard. 2,189,757; Feb. 13.
Grater, coconut. S. H. Mock. 2,190,105; Feb. 13.
Grating and like structure. H. S. Nagin. 2,190,214–5; Feb. 13.
Grease and making same. J. C. Zimmer and A. J. Morway. 2,189,873; Feb. 13.
Grid, Ice cube tray. R. H. Money and H. Jones. 2,189,959; Feb. 13.
Grille and fender guard for automobiles. M. Hans. 2,190,328; Feb. 13.
Grinding machine. J. I. Garside and C. G. Flygare. 2,190,134; Feb. 13.
Grinding machine. E. Stubbs. 2,189,931; Feb. 13.
Guard for machine tools, Way. H. F. Meyer. 2,190,213; Feb. 13.
Guardrail for highways, Safety band. G. G. Greulich. 2,189,792; Feb. 13.
Guide, Fender. G. F. Bahr. 2,190,622; Feb. 13.
Guide for molten material. H. K. Richardson. 2,190,296; Feb. 13.
Gum and compounding same, Synthetic. G. A. Hathereil. 2,190,021; Feb. 13.
Gum material, Chewing. J. O. Barker. 2,190,180; Feb. 13.
Gun for spraying metal. C. Holmes. 2,190,153; Feb. 13.
Gun, Pivot. E. Nuding. 2,190,332; Feb. 13.
Hair curler. F. E. Doerr. 2,190,057; Feb. 13.
Halogen-containing compounds, Production of unsaturated. W. Engs, H. P. A. Groll, and A. W. Fairbairn. 2,189,890; Feb. 13.
Handle structure for sadirons and the like. R. I. Huffman. 2,190,361; Feb. 13.
Hanger: *See*—
Garment hanger. Storm sash hanger.
Hardware, Article of. H. H. Raymond. 2,190,192; Feb. 13.
Harmonica, Chromatic. A. E. Friend. 2,190,633; Feb. 13.
Harrow, Cultivating. A. H. Watkins. 2,190,618; Feb. 13.
Head protector. H. D. Fox. 2,189,892; Feb. 13.
Heat exchange apparatus. A. Hasselbach, F. Luther, and P. Hille. 2,190,234; Feb. 13.
Heat exchange device. H. Feldmeier and W. Astle. 2,190,584; Feb. 13.
Heater: *See*—
Water heater.
Heater. V. O. Beam. 2,190,349; Feb. 13.
Heating and ventilating system. F. P. Grutzner. 2,189,895; Feb. 13.
Heating system. R. E. Moore. 2,190,382; Feb. 13.
Heating system with flow control, Open tank. E. S. Cornell, Jr. 2,189,941; Feb. 13.
Heel construction. J. H. McGill. 2,189,811; Feb. 13.
Heel construction, Shoe. J. H. McGill and W. H. Wedger. 2,189,812; Feb. 13.
Helmet, Welder's. R. E. Locher. 2,190,074; Feb. 13.
Hides and skins, Bating. J. Pfannmuller. 2,190,484; Feb. 13.
Highway gate. W. J. Buford. 2,189,974; Feb. 13.
Hinge. G. H. Murrin. 2,189,818; Feb. 13.
Holder: *See*—
Cigarette holder. Test tube holder.
Stencil blank holder.
Holder for line justifying sheets. H. Landsiedel. 2,190,188; Feb. 13.
Holder for sandpaper and the like. A. Forsblade. 2,189,980; Feb. 13.
Hook: *See*—
Supporting hook.
Hormone preparations, Stable suspension of. H. Friedrich. 2,190,183; Feb. 13.
Hydraulic press. R. W. Dinzl. 2,189,858; Feb. 13.
Hydraulically operated clutch. C. E. Geiser. 2,190,542; Feb. 13.
Hydrocarbon distillates, Refining light. H. R. Batchelder and B. H. Shoemaker. 2,190,007; Feb. 13.
Hydrocarbons, Deoxidizing. W. B. Plummer and M. H. Arneson. 2,190,043; Feb. 13.
Hydrocarbons, Manufacture of gasolinelike. W. W. Gary and J. S. Carey. 2,190,624; Feb. 13.
Hydrocarbons, Oxidation of. W. H. King and C. Q. Sheely. 2,190,453; Feb. 13.
Hydrocarbons, Products of. M. Pier, F. Christmann, A. Eisenhut, and W. Hirschberger. 2,189,924; Feb. 13.
Hydrocarbons, Treatment of. J. C. Morrell and A. V. Grosse. 2,189,816; Feb. 13.
Hygrometer operated switch. K. F. Schoew. 2,190,549; Feb. 13.
Ignition system. V. E. McCarty. 2,189,913; Feb. 13.
Ignition timer contacts, Method and apparatus for overcoming pitting of. H. L. Hartzell. 2,189,899; Feb. 13.
Images in colors, Obtaining in projection. C. Bocca and D. Rudatis. 2,189,751; Feb. 13.
Impulses and impulse generator, Generating. K. Schlesinger. 2,190,504; Feb. 13.
Indicating device for tuning mechanisms. F. W. Edwards. 2,190,059; Feb. 13.
Indicator: *See*—
Frequency indicator. Phase modulation indi-
Maximum demand indi- cator.
cator.
Ingot cap. H. R. Belding. 2,190,392; Feb. 16.
Ingots, Producing. E. Gathmann. 2,190,116; Feb. 13.
Inserted blade cutter tool. A. Johnson. 2,189,801; Feb. 13.
Insulation for electric cables, Impregnated paper. W. A. Del Mar. 2,190,018; Feb. 13.
Insulin, Soluble protamine. M. Sahyun. 2,190,137; Feb. 13.
Interference reduction system. V. D. Landon. 2,190,292; Feb. 13.
Jack and automobile theft prevention device, Combination. C. Sellinger and E. Forster. 2,190,489; Feb. 13.
Jack block for cars, Automatic. M. Sharkey. 2,190,491; Feb. 13.
Jack element. E. G. Gunn. 2,189,981; Feb. 13.
Jack for semitrailers. W. S. Brant, G. J. Lucas, A. S. Weaver, Jr., and S. W. Eakle. 2,190,252; Feb. 13.
Jar, Rotary. E. F. Raymond. 2,190,045; Feb. 13.
Joint: *See*—
Pipe joint.
Joint for concrete pavements, Expansion. J. T. Hallett. 2,189,811; Feb. 13.

Joint for fishing tackle. J. R. Skoverski. 2,189,841; Feb. 13.
Joint, Making a welded. A. T. Light. 2,190,267; Feb. 13.
Knitted fabric, Nonraveling. K. Maier. 2,190,409; Feb. 13.
Knitting machine. K. Howie. 2,190,154; Feb. 13.
Knitting machines, Stop motion for. J. D. Normandeau. 2,190,521; Feb. 13.
Knob. C. J. Terrill. 2,189,845; Feb. 13.
Knob for bathroom doors, Emergency lock. S. Rossman. 2,190,485; Feb. 13.
Lacquer manufacture. M. R. Vogel. 2,190,461; Feb. 13.
Lamp, as a spotlight, Crater. P. W. Blackburn. 2,190,308; Feb. 13.
Lamp with integral cooling radiation. G. M. Dinnick. 2,190,313; Feb. 13.
Latch: *See*—
Door latch.
Lavatory device. E. Henschler. 2,190,068; Feb. 13.
Lead for black-lead, colored, and copying pencils and the like. R. Zückert. 2,190,508; Feb. 13.
Leveler, Land. J. M. Rae and S. F. Scott. 2,189,962; Feb. 13.
Lever for clockwork mechanisms, Pallet. H. Junghans. 2,190,156; Feb. 13.
License tag cover. A. M. M. Saldueco. 2,190,571; Feb. 13.
Light diffusing element, Forming a. J. Frei, Jr. 2,189,860; Feb. 13.
Light dividing device. J. A. Ball and W. E. Pohl. 2,189,932–3. Feb. 13.
Light signal. W. B. Wells. 2,190,526; Feb. 13.
Light source for projection systems. G. Mili. 2,190,294; Feb. 13.
Lighter. G. P. Schmitt. 2,189,999; Feb. 13.
Lighting signal. S. C. Pace. 2,190,123; Feb. 13.
Liquid detecting device. H. E. Jordan. 2,190,027; Feb. 13.
Liquid fuel burner. A. R. Thomas. 2,189,871; Feb. 13.
Liquid level control mechanism. H. W. How. 2,189,903; Feb. 13.
Liquid meter. R. S. Bassett. 2,190,006; Feb. 13.
Liquids to materials, Application of. A. Mellor and W. Pool. 2,189,914; Feb. 13.
Liquor, Production of bisulphite. R. W. Shafor and R. P. Kite. 2,190,612; Feb. 13.
Loader. J. C. Seyller. 2,190,164; Feb. 13.
Loading device. R. D. Fisher and C. Riley. 2,190,061; Feb. 13.
Loading machine. W. W. Sloane. 2,189,869; Feb. 13.
Lock: *See*—
Automobile door lock. Sash lock.
Automobile glass control lock.
Lock. K. C. Bugg. 2,189,880; Feb. 13.
Lock device, Locomotive wedge bolt nut. D. Love. 2,190,075–6; Feb. 13.
Lock for tunnels, Material. S. M. Gooder. 2,190,064; Feb. 13.
Lollipop, Thumb. F. L. Craddock. 2,190,231; Feb. 13.
Lubricant. M. W. Freeman. 2,189,788; Feb. 13.
Lubricating apparatus. W. H. Wineman. 2,190,580–1; Feb. 13.
Lubricating element. E. S. Patch. 2,190,217; Feb. 13.
Machine for applying wear-resistant plating. G. Sembdner. 2,190,611; Feb. 13.
Machine for making Italian pizza. S. Pacilio. 2,190,483; Feb. 13.
Machine for operating on sheet material. L. B. Hooper. 2,189,797; Feb. 13.
Machine for use in applying pressure to shoe bottoms. E. R. Everett. 2,189,943; Feb. 13.
Magneto. C. F. Reis. 2,189,926; Feb. 13.
Material, Drying of layers or sheets of. A. Mellor and W. Pool. 2,189,915; Feb. 13.
Materials of natural or artificial origin, Treatment of. R. W. Moncrieff. 2,189,918; Feb. 13.
Materials, Separating fragmentary. V. Rakowsky and R. W. Arms. 2,190,637; Feb. 13.
Maximum demand indicator. E. Whitby and L. B. S. Golds. 2,190,497; Feb. 13.
Measuring device. L. Dritz. 2,190,597; Feb. 13.
Meat tenderer. C. E. Lundblad. 2,189,957; Feb. 13.
Mechanical clamp. W. C. Barnes and H. W. Keevil. 2,190,143; Feb. 13.
Mechanism for converting rotary in reciprocatory motions and vice versa, Balanced. A. F. Moyer. 2,190,161; Feb. 13.
Mechanism for making irregular yarn. F. H. Bussiere. 2,189,938; Feb. 13.
Metal, Method of cladding. T. B. Chace. 2,190,310; Feb. 13.
Metal composition. F. R. Hensel. 2,189,755; Feb. 13.
Metal rectifier, Dry contact. R. J. Elsome-Jones and L. J. Ellison. 2,189,887; Feb. 13.
Metal structure, Making a composite. R. P. Koehring. 2,190,237; Feb. 13.
Metallic articles, Treating. L. S. Tracy. 2,190,050; Feb. 13.
Meter: *See*—
Exposure meter. Liquid meter.
Mill: *See*—
Cane mill.
Mirror, Physician's head. S. Golub and B. Frommer. 2,190,473; Feb. 13.
Mixer: *See*—
Slip-stream mixer.
Mixer and settler, Liquid. C. W. Stratford. 2,190,247; Feb. 13.
Mixer for deliquescent bath spray tablets. S. Brandfon. 2,189,936; Feb. 13.
Mixing machine. C. W. Gibbs. 2,190,421; Feb. 13.
Mixing machine. F. A. Schletz. 2,190,487; Feb. 13.
Mixing plant. H. C. Pollitz. 2,190,044; Feb. 13.
Modulation system. F. Gutzmann and E. Schulze-Herringen. 2,189,897; Feb. 13.
Moistening device for duplicating machines. Z. Takats. 2,189,765; Feb. 13.
Mold for ground meat or the like, Compressing. B. King and P. A. Fellis. 2,190,236; Feb. 13.
Molded article of synthetic resin. W. Engel. 2,189,889; Feb. 13.
Molding apparatus, Permanent. M. Wagner. 2,190,496; Feb. 13.
Molding, Electric. W. Semenyna. 2,190,196; Feb. 13.
Molybdenum composition. F. R. Hensel. 2,189,756; Feb. 13.
Mosaic screen. T. T. Goldsmith, Jr. 2,190,020; Feb. 13.
Motor: *See*—
Diesel motor. Electric motor.
Motor and pump unit, Combination. W. P. Schirmer. 2,190,246; Feb. 13.
Motor vehicle. F. C. Best. 2,190,227; Feb. 13.
Motor vehicle. C. R. Paton. 2,190,218; Feb. 13.
Motor vehicle. J. G. Vincent. 2,190,224; Feb. 13.
Mounting: *See*—
Electron tube mounting.
Mounting for frames in building walls. D. T. Downes. 2,190,354; Feb. 13.
Mounting for maps and the like. L. E. Vogt. 2,190,438; Feb. 13.
Mounting for raising and lowering bifocal lenses, Adjustable nose pad. L. J. Page. 2,189,961; Feb. 13.
Mounting for rolls or the like, Shaft. C. L. Taylor. 2,190,371; Feb. 13.
Mower attachment, Lawn. C. O. Todd. 2,190,578; Feb. 13.
Muffler. R. L. Brooks. 2,190,396; Feb. 13.
Navigational method and apparatus. J. Neufeld. 2,190,039; Feb. 13.
Network, Reentrant. A. Alford. 2,190,131; Feb. 13.
Notebook. O. W. Jolly. 2,190,623; Feb. 13.
Nozzle. J. W. Grant. 2,190,561; Feb. 13.
Nut, Lock. R. A. MacDonald. 2,190,174; Feb. 13.
Oar operating mechanism. C. Carlson. 2,189,975; Feb. 13.
Oil and gas, Separating. C. T. McCoy. 2,190,104; Feb. 13.
Oil, Determining the presence of. G. Potapenko 2,190,320; Feb. 13.
Oil engine. C. L. Cummins. 2,190,015; Feb. 13.
Oil products, Manufacture of modified, heat-bodied. L. Auer. 2,189,772; Feb. 13.
Oil, Treating mineral. J. W. Starr and G. A. Beiswenger 2,189,844; Feb. 13.
Oils, Refining animal and vegetable. B. Clayton. 2,190,593; Feb. 13.
Oils, Refining glyceride. B. Clayton. 2,190,590; Feb 13.
Oils, Refining glyceride-type. B. Clayton. 2,190,588–9; Feb. 13.
Oils, Refining of animal and vegetable. B. Clayton. 2,190,594; Feb. 13.
Oils with light hydrocarbons, Dewaxing. W. J. Edmonds. 2,189,885; Feb. 13.
Olefin separation. C. M. Hull. 2,190,025; Feb. 13.
Operating means for fuses, Centrifugal. H. Junghans. 2,190,157; Feb. 13.
Operating means for pinking devices. V. J. Sigoda. 2,189,965; Feb. 13.
Optical instrument. C. M. Jones. 2,190,564; Feb. 13.
Optical sighting apparatus. C. D. Macgill. 2,190,569;
Organic compounds, Transformation of. F. O. Rice. 2,190,369; Feb. 13.
Ornament and support, Christmas tree base. K. W. Jarnagin. 2,190,544; Feb. 13.
Oscillator, Low frequency. J. Markowitz. 2,190,078; Feb. 13.
Oscillator, Piezoelectric controlled. A. L. Samuel. 2,189,770; Feb. 13.
Oscillator tracking arrangement, Permeability-tuned. D. V. Sinninger. 2,190,048; Feb. 13.
Output control for internal combustion engines. J. Weber, H. Stoll, and M. Hurst. 2,190,630; Feb. 13.
Oven, Portable baking. B. C. Bartlebaugh. 2,189,875; Feb. 13.
Package and matches, Combination cigarette. W. Lowe. 2,190,408; Feb. 13.
Pad: *See*—
Pressing machine pad.
Pan, Baking. P. S. Ward. 2,190,201; Feb. 13.
Pan, Shaker. A. Geist. 2,190,262; Feb. 13.
Pancreatin, Sterilization of. C. L. Griffith and L. A. Hall. 2,189,948; Feb. 13.
Paper manufacture. H. R. Rafton. 2,189,832; Feb. 13.
Paper transparency. A. Payberg. 2,190,627; Feb. 13.
Parking apparatus, Automobile. A. F. Slater. 2,190,086; Feb. 13.

Pencil having a multicolored lead. R. Zückert. 2,190,507; Feb. 13.
Perforator, Keyboard. C. W. Burcky. 2,190,309; Feb. 13.
Petroleum distillates, Refining. T. C. Whitner, Jr. 2,189,850; Feb. 13.
Petroleum distillates, Refining of. C. Ellis. 2,190,471; Feb. 13.
Phase modulation indicator. F. Gutzmann. 2,189,896; Feb. 13.
Photographic composition, element, and process, Color-forming. L. B. Morris. 2,189,817; Feb. 13.
Photographic device. P. S. Lester. 2,189,988; Feb. 13.
Photometer for measuring exposures and densities. P. R. Tarr. 2,190,553; Feb. 13.
Picture device, Stereoscopic. M. M. Idzal. 2,190,516; Feb. 13.
Picture projecting machine, Motion. B. Stechbart. 2,190,198; Feb. 13.
Pipe fitting cleaner. C. Nunziato. 2,190,216; Feb. 13.
Pipe joint. R. E. Evarts. 2,190,419; Feb. 13.
Piston. H. H. Dillan. 2,190,207; Feb. 13.
Piston ring. A. Bergeron. 2,190,204; Feb. 13.
Piston, Slush pump. D. C. Sharp and R. M. Garrison. 2,189,839; Feb. 13.
Pitprops or pillars, Pulling down. W. Wiebecke, F. W. Moll, and W. Hardieck. 2,190,556; Feb. 13.
Plastic materials, Cold molding. F. J. Moore. 2,190,605; Feb. 13.
Plating, Wear-resistant. G. Sembdner. 2,190,125; Feb. 13.
Plow, Adjustable. I. F. Davidson. 2,190,056; Feb. 13.
Plug: *See*—
Electric cord plug.
Pneumatic material, Composite. C. V. McGuire. 2,189,813; Feb. 13.
Portfolio, Self-opening. H. L. Tharp. 2,190,090; Feb 13.
Position and direction determining system. J. Neufeld. 2,190,038; Feb. 13.
Poster display frame. J. W. Connell. 2,190,557; Feb. 13.
Pot, Solder melting. J. D. Morgan and R. E. Lowe. 2,190,135; Feb. 13.
Potatoes to produce dried mashed potatoes, Treatment of. O. Gano. 2,190,063; Feb. 13.
Poultry drawer. K. Breitschwerdt. 2,189,752; Feb. 13.
Power control. M. J. Kittler. 2,189,907; Feb. 13.
Power transmission. D. D. Mohler. 2,190,122; Feb. 13.
Preselector device for change speed gears. W. Fournaux. 2,190,062; Feb. 13.
Press: *See*—
Hydraulic press.
Pressboard for velvet, etc. R. Bass. 2,190,631; Feb. 13.
Pressing machine pad, Flexible. G. W. Bristol. 2,190,146; Feb. 13.
Pressure applying clamp, Yieldable. J. A. Watt. 2,190,463; Feb. 13.
Pressure neutralizer, Pipe line. P. E. McMurry. 2,190,412; Feb. 13.
Pressure testing, Method and apparatus for formation. T. V. Moore. 2,189,919; Feb. 13.
Printing plate. A. C. Hardy. 2,190,185–6; Feb. 13.
Prints, Washing of discharge. S. Lenher and J. E. Smith. 2,189,807; Feb. 13.
Projection device, Electric. D. K. Wright. 2,190,528; Feb. 13.
Prop actuating mechanism, Semitrailer. J. J. Black. 2,190,373; Feb. 13.
Propeller blade, Wire. D. S. Fahrney. 2,189,785; Feb. 13.
Propeller drive, Coaxial. G. Caproni. 2,190,254; Feb. 13.
Protector: *See*—
Head protector.
Protractor, Calculating. W. M. Keppers. 2,190,071; Feb. 13.
Psychrometric apparatus for direct reading of humidity. J. Crapez. 2,189,857; Feb. 13.
Puff, Nonabsorbent closed cell powder. F. M. Daley. 2,190,376; Feb. 13.
Pump: *See*—
Rotary radial piston pump. Sand pump.
Pump. W. T. Robertson. 2,190,535; Feb. 13.
Pump for compressible fluids. P. M. Sartell. 2,190,245; Feb. 13.
Pump of thermic-dynamical action, Fluid pressure. E. Taglio. 2,189,969; Feb. 13.
Pump or motor, Hydraulic. E. K. Benedek. 2,189,773; Feb. 13.
Pumping apparatus. J. S. Fuller. 2,189,893; Feb. 13.
Pumping unit. H. A. Holzer. 2,190,070; Feb. 13.
Rack: *See*—
Bottle cooling rack. Display rack.
Rack and pinion operating means. E. A. Schottenberg. 2,190,572; Feb. 13.
Racket guide, Tennis. R. Salem. 2,189,997; Feb. 13.
Radio apparatus, Battery operated. P. F. G. Holst. 2,190,317; Feb. 13.
Railway car. M. P. Blomberg and W. H. Mussey. 2,190,144; Feb. 13.
Railway hand brake. H. J. Dyke. 2,189,978; Feb. 13.
Range finder. D. A. Sealey. 2,189,964; Feb. 13.
Range finder and like optical measuring instrument. J. W. French. 2,190,541; Feb. 13.
Range finder, Coupled. F. Drenko. 2,190,559; Feb. 13.
Reading device for computing scales. R. I. Waugh. 2,189,825; Feb. 13.
Receiver arrangement. H.-W. Steinhausen. 2,190,436; Feb. 13.
Receiver, Permeability-tuned superheterodyne. W. J. Polydoroff. 2,190,082; Feb. 13.
Rectifier device. W. Kalbskopf. 2,189,905; Feb. 13.
Rectifier, Manufacturing a selenium. M. Kobayashi, J. Osawa, and K. Otake. 2,189,908; Feb. 13.
Rectifier system. E. Korber and G. Schaller. 2,189,909; Feb. 13.
Reel for fishing. E. Bugatti. 2,190,398; Feb. 13.
Refining process. B. Clayton and B. H. Thurman. 2,190,595; Feb. 13.
Reflector, Christmas tree. F. W. Eckelberg. 2,190,283; Feb. 13.
Refrigerating apparatus. W. W. Higham. 2,190,289; Feb. 13.
Refrigerating apparatus. D. H. Reeves. 2,190,610; Feb. 13.
Refrigerating apparatus. E. C. Sittler. 2,190,613; Feb. 13.
Refrigerating apparatus. H. F. Smith. 2,190,341; Feb. 13.
Refrigerating method and apparatus. J. F. Robinson and Van H. King, Jr. 2,190,046; Feb. 13.
Refrigerator. R. E. Sparks. 2,190,388; Feb. 13.
Refrigerator door. H. D. Geyer. 2,190,233; Feb. 13.
Regulating system. R. A. Braden. 2,189,777; Feb. 13.
Relief valve. J. C. Crowley. 2,190,352; Feb. 13.
Resetting means for liquid dispensing apparatus computing registering mechanism. E. M. Orbeck. 2,190,626; Feb. 13.
Resinous condensation products and producing same. I. Rosenblum. 2,189,833; Feb. 13.
Resins, Manufacture of wood tar-formaldehyde. J. J. Lévesque. 2,190,033; Feb. 13.
Resins, Producing aldehyde. W. Frankenburger, H. Hammerschmid, and G. Roessler. 2,190,184; Feb. 13.
Rest, Combined head and arm. G. F. Brady. 2,190,395; Feb. 13.
Retrieving device. B. F. Kaboskey and C. J. Walczak. 2,190,531; Feb. 13.
Ring: *See*—
Piston ring.
Road building machine. J. N. Heltzel. 2,190,562; Feb. 13.
Rock and making products therefrom, Method and apparatus for melting. E. R. Powell. 2,190,271; Feb. 13.
Rolling machine. H. G. Kellogg. 2,190,429; Feb. 13.
Rotary engine. D. S. de Lavaud. 2,189,976; Feb. 13.
Rotary radial piston pump. J. B. Hawley, Jr. 2,190,066; Feb. 13.
Rotor for snow plows. M. H. Bemis, E. R. Greer, and A. E. Morrison. 2,190,325; Feb. 13.
Rubber hydrochloride, Preservation of. A. Hershberger. 2,190,287; Feb. 13.
Rubber, Softening. I. Williams and C. C. Smith. 2,190,587; Feb. 13.
Rule, Proportional slide. B. Ferrughelli. 2,190,472; Feb. 13.
Rule, Slide. C. P. Berg. 2,190,281; Feb. 13.
Safety device for heating and other apparatus. G. Wünsch and J. Schuppert. 2,189,829; Feb. 13.
Salicylaldehyde purification. R. P. Perkins. 2,190,607; Feb. 13.
Salt, Recovery of Glauber's. T. F. Banigan and O. E. Snyder. 2,190,280; Feb. 13.
Sand pump. C. C. King. 2,190,407; Feb. 13.
Sand scatterer. P. A. Watson. 2,190,619; Feb. 13.
Sandal cover. L. M. Wash. 2,190,579; Feb. 13.
Sash balance. O. L. Dautrick. 2,190,098; Feb. 13.
Sash, Door and window. H. A. Gerland. 2,190,263; Feb. 13.
Sash lock. I. Birman. 2,190,205; Feb. 13.
Sausage treating apparatus. H. H. McKee. 2,190,432; Feb. 13.
Saw setting device for edgers. J. and J. M. Heaps. 2,190,152; Feb. 13.
Sawing machine and blade therefor, Stone. P. de V. d'Avaucourt. 2,189,780; Feb. 13.
Scale. W. G. Simmons. 2,189,866; Feb. 13.
Scoop, Snow. L. A. Cote. 2,190,558; Feb. 13.
Scoreboard. J. O. and H. L. Ivie. 2,190,543; Feb. 13.
Scraping apparatus. J. H. Kerber. 2,190,452; Feb. 13.
Screen: *See*—
Mosaic screen.
Scrooping process. H. H. Mosher and B. Uzunoff. 2,190,331; Feb. 13.
Seal for floating roofs, Resilient. C. H. Haupt and E. W. Hall. 2,190,476; Feb. 13.
Seal, Glass-metal. E. Waldschmidt. 2,190,302; Feb. 13.
Sealing means for rotary shaft openings. C. B. Dalzell and R. K. Miner. 2,190,443; Feb. 13.
Sealing structure for the openings of metal containers. L. B. Wackman. 2,190,495; Feb. 13.
Sent for tank discharge valves, Renew. P. L. Ciaccio and H. R. Crane. 2,190,147; Feb. 13.
Separator for refrigeration systems, Oil. G. W. and J. A. Smith. 2,190,138; Feb. 13.

Sewage sludge, Digestion of. A. J. Fischer. 2,190,598; Feb. 13.
Sewing machine, Buttonhole. E. P. Spaine and H. C. Faulkner. 2,190,614; Feb. 13.
Sewing machine, Shoe. K. Engel. 2,190,355; Feb. 13.
Sextant. G. Gardner and H. G. Crocker. 2,189,790; Feb. 13.
Sharpener for single-edged razor blades. E. B. Connerat. 2,189,883; Feb. 13.
Shaver, Dry. B. R. Nyhagen. 2,190,481; Feb. 13.
Shear, Flying. H. H. Talbot. 2,190,638; Feb. 13.
Shears. B. F. Gray, Jr. 2,189,791; Feb. 13.
Shears, Pruning. D. I. Miller. 2,190,503; Feb. 13.
Sheet conveyer. W. W. Davidson and A. Anderson. 2,190,418; Feb. 13.
Sheet material, Making tubular. R. L. Templin. 2,190,494; Feb. 13.
Sheet piling. H. M. Knight. 2,189,804; Feb. 13.
Shelf construction, Movable. J. W. Row. 2,190,244; Feb. 13.
Shoe, Detorsion. E. Lattemann. 2,190,568; Feb. 13.
Shoes, Making. J. B. Hadaway. 2,189,953; Feb. 13.
Short wave device, Ultra. W. C. Hahn. 2,190,515; Feb. 13.
Short wave system, Ultra. J. M. Cage. 2,190,511; Feb. 13.
Sight for firearms. N. L. Brewer. 2,190,500; Feb. 13.
Sign: *See*—
Display sign.
Signal: *See*—
Automobile signal. Lighting signal.
Light signal. Traffic signal.
Signal control switch, Railway. A. Brown. 2,189,879; Feb. 13.
Signaling device, Inflation. E. W. Griffith. 2,190,117; Feb. 13.
Signaling system. G. S. Vernam and R. S. Wishart. 2,190,301; Feb. 13.
Siniering apparatus. H. J. Stehli. 2,190,493; Feb. 13.
Sizing device. H. E. Balsiger. 2,190,306; Feb. 13.
Skate, Adjustable. F. A. Harris. 2,190,316; Feb. 13.
Slide fastener. H. L. Farnstrom. 2,190,609; Feb. 13.
Slide fastener. N. J. Poux. 2,190,608; Feb. 13.
Sliding door. C. C. Coleman. 2,190,149; Feb. 13.
Slip-stream mixer. R. M. Joyce. 2,190,565; Feb. 13.
Smoke purifier for tobacco smoking articles. F. H. Cullen. 2,190,312; Feb. 13.
Smoker's device. A. H. Smeby. 2,189,842; Feb. 13.
Soap, Making and processing. B. H. Thurman. 2,190,615; Feb. 13.
Soap of desired moisture content, Process of and apparatus for producing. B. Clayton. 2,190,592; Feb. 13.
Soap, Processing. B. Clayton. 2,190,591; Feb. 13.
Socket, Adjustable light. M. J. Wohl. 2,190,439; Feb. 13.
Socket, Bayonet type lamp. A. J. Foute. 2,190,403; Feb. 13.
Socket, Snap fastener. H. J. Reiter. 2,189,995; Feb. 13.
Soil masses, Fixing and impermeabilizing. J. van Hulst. 2,190,003; Feb. 13.
Soil, Treating. U. G. Stone. 2,190,128; Feb. 13.
Solutions, Thickening of. M. B. Katzman and F. J. Cahn. 2,189,803; Feb. 13.
Sorting apparatus. W. R. Horsfield. 2,190,563; Feb. 13.
Sound effect machine. S. E. Adair. 2,190,465; Feb. 13.
Space discharge device. H. E. Hollmann. 2,190,069; Feb. 13.
Spark plug and making the same. G. Marglin. 2,190,269; Feb. 13.
Speed reducer. L. G. Bowen. 2,189,776; Feb. 13.
Sponge, X-ray opaque. E. F. Lewison. 2,190,431; Feb. 13.
Spool. H. M. Byers. 2,190,013; Feb. 13.
Spool. C. C. Scholl. 2,190,085; Feb. 13.
Spraying device. J. Wittek. 2,190,639; Feb. 13.
Spring-controlled mechanism. G. Carwardine. 2,190,400; Feb. 13.
Stabilizing device for ships. C. von den Steinen. 2,190,617; Feb. 13.
Stabilizing method and device. J. Neufeld. 2,190,037; Feb. 13.
Stair tread. M. Fioritto. 2,190,446; Feb. 13.
Stand: *See*—
Display stand. Washing machine stand.
Starch conversion products, Manufacturing dried. J. F. Walsh. 2,189,824; Feb. 13.
Starting device for high compression engines. R. D. Acton. 2,190,34; Feb. 13.
Starting system for compression ignition engines. A. W. Bach. 2,190,348; Feb. 13.
Stays, Manufacturing flexible. J. R. Bux. 2,190,460; Feb. 13.
Steam injector, Low pressure. W. H. Tinker. 2,190,109; Feb. 13.
Steel, Producing capped. H. R. Belding. 2,190,393; Feb. 13.
Steering device for aircraft, Automatic. J. Thiry. 2,190,390; Feb. 13.
Stencil blank holder. R. E. Winebrenner. 2,190,499; Feb. 13.
Sterilization process. C. L. Griffith and L. A. Hall. 2,189,947; Feb. 13.
Stocking. E. F. Gaines. 2,190,560; Feb. 13.
Stocking, Full fashioned. G. Clauss. 2,190,148; Feb. 13.
Stop mechanism for towel dispensing apparatus. A. C. Grunwald. 2,190,315; Feb. 13.
Storm sash hanger. E. T. Kunoid and J. J. Friedman. 2,190,187; Feb. 13.
Stove, Dual compartment. C. D. Town. 2,190,343; Feb. 13.
Stove, Portable. W. A. Stockell. 2,190,139; Feb. 13.
Strain relieving device. F. C. Petersen. 2,189,865; Feb. 13.
Structural composition of anodes for electro-thermically modulable radiators. F. E. Fischer. 2,189,786; Feb. 13.
Structural element. O. C. Baker. 2,190,004; Feb. 13.
Structural material. T. Sendzimir. 2,190,490; Feb. 13.
Styrene, Producing. O. H. Smith. 2,189,771; Feb. 13.
Substance lowering the blood pressure, Obtaining a. E. Wollheim. 2,190,248; Feb. 13.
Sulphur nitride, Manufacture of. C. F. Swinehart. 2,190,177; Feb. 13.
Support and flexible conductor, Guide. E. D. Crammond. 2,190,108; Feb. 13.
Support for centrifuges. A. H. Haberstump. 2,190,456; Feb. 13.
Support for centrifuges. A. O. McCollum and V. J. Lovett. 2,190,455; Feb. 13.
Support for gas stoves, Combination lighter and burner. S. H. Hobson. 2,189,796; Feb. 13.
Support for rattle, Flexible. A. Zadek. 2,189,853; Feb. 13.
Support for X-ray work. L. Raab. 2,190,458; Feb. 13.
Supporting hook. V. E. Simmons. 2,190,550; Feb. 13.
Suspension device, Resilient. N. Sluyter. 2,189,870; Feb. 13.
Suspension system for a camera and light stage. J. Bossart. 2,190,093; Feb. 13.
Sweeper. R. C. Evans. 2,189,859; Feb. 13.
Switch: *See*—
Electric switch. Signal control switch.
Hygrometer operated switch. Time controlled switch.
Time switch.
Switch structure. B. E. Shaw. 2,190,338; Feb. 13.
Switching device. R. A. Miller and H. C. Rubly. 2,190,295; Feb. 13.
Switching system, Multiple transformer. H. E. Somes. 2,189,819; Feb. 13.
Swivel device. P. Magid. 2,190,268; Feb. 13.
Table and utility cabinet, Portable. J. H. Williams. 2,190,498; Feb. 13.
Table structure, Portable. B. J. Strasser. 2,190,222; Feb. 13.
Tabulating machine. F. C. Blomfield and M. H. Johanson. 2,189,935; Feb. 13.
Tabulating machine. B. D. Chamberlin. 2,189,939; Feb. 13.
Tally. W. M. Sherrill and P. A. Bryant. 2,190,126; Feb. 13.
Tank body, Demountable. B. F. Fitch. 2,189,787; Feb. 13.
Tank body, Demountable. B. F. Fitch. 2,189,945; Feb. 13.
Taper square, Combination. J. I. Hastings. 2,190,404; Feb. 13.
Target, Chromatic test. R. J. Beltel, Jr. 2,190,008; Feb. 13.
Telegraph apparatus, Printing. R. D. Salmon. 2,189,927; Feb. 13.
Telegraph system, Printing. J. M. Desmond. 2,190,540; Feb. 13.
Telephone call transmitter. J. C. Field. 2,189,944; Feb. 13.
Telephone circuit. A. F. Jones. 2,190,155; Feb. 13.
Telephone signaling system. D. F. Johnston and J. B. Shiel. 2,189,769; Feb. 13.
Telephone substation apparatus. A. F. Bennett. 2,190,466; Feb. 13.
Telephone substation apparatus. F. Hamburger. 2,190,467; Feb. 13.
Telephone system. G. C. Reier. 2,189,994; Feb. 13.
Telephone system. R. Taylor, G. T. Baker, and C. Gillings. 2,190,140; Feb. 13.
Telescope reticule adjustment. J. Unertl. 2,189,766; Feb. 13.
Television receiver. M. Messner. 2,189,910; Feb. 13.
Television system. W. Soller. 2,189,843; Feb. 13.
Telltale device, Fare box. E. M. Macdonald. 2,190,212; Feb. 13.
Temperature-actuated mechanism. D. R. Lambert. 2,190,545; Feb. 13.
Temperature control for electric cooking device. A. T. Smith. 2,190,276; Feb. 13.
Temperature control means. L. A. Fry. 2,190,232; Feb. 13.
Template for edging lenses. F. E. Wolf. 2,190,582; Feb. 13.
Templet. A. P. Stewart. 2,190,088; Feb. 13.
Tension device. E. B. Feaster. 2,190,261; Feb. 13.
Test tube holder. S. S. Lichtman. 2,189,989; Feb. 13.
Testing instrument. N. Schnoll. 2,190,488; Feb. 13.
Therapeutic apparatus. L. B. Newman. 2,190,383; Feb. 13.
Therapeutic bag. L. B. Newman. 2,190,384; Feb. 13.
Therapeutic machine. W. Browner. 2,190,282; Feb. 13.
Thermal control of internal combustion engines. L. E. Endsley. 2,189,888; Feb. 13.

Thread picker for vacuum-cleaner nozzles. W. Leathers. 2,190,329; Feb. 13.
Threads in a workpiece, Method of and apparatus for forming internal. G. H. Hagerman. 2,189,867; Feb. 13.
Threads, Spinning artificial. E. Hubert, H. Pabst, and H. Hecht. 2,190,265; Feb. 13.
Time controlled mechanism for coin controlled automatic phonographs. R. Jacobson. 2,190,026; Feb. 13.
Time controlled switch. W. Morrone. 2,190,241; Feb. 13.
Time switch, Electrically operated. W. F. Miller. 2,190,603; Feb. 13.
Tire gauge. W. S. Clarkson. 2,190,530; Feb. 13.
Tool: *See*—
Expander tool. Inserted blade cutter tool.
Fuse crimping tool.
Tool useful for removing objects from wells. C. E. Costello. 2,190,442; Feb. 13.
Tooth brush, Rotating. A. H. Flournoy. 2,189,891; Feb. 13.
Torch. A. J. and I. F. Fausek. 2,190,356; Feb. 13.
Towel cabinet. L. M. Harvey. 2,190,100–01; Feb. 13.
Toy, Aerial. F. Schimpfle. 2,189,763; Feb. 13.
Toy, Reversing roll-over. R. J. Lohr and R. N. Carver. 2,189,759; Feb. 13.
Tractor attachment. J. L. Hipple. 2,190,359; Feb. 13.
Traffic signal. A. M. Loungway. 2,190,035; Feb. 13.
Trailer brake. L. H. Pelster. 2,190,219; Feb. 13.
Trailer hitch. E. C. McDaniel. 2,189,864; Feb. 13.
Train control system. C. T. Knudsen. 2,190,073; Feb. 13.
Transformer for push-pull circuits, Broad-band. H. G. Freygang. 2,190,448; Feb. 13.
Transmitter, Keyboard perforator. R. A. Lake. 2,190,291; Feb. 13.
Transparent container. L. D. Hokerk. 2,189,955; Feb. 13.
Trap: *See*—
Animal trap. Cabbage miller trap.
Tray, Filing. C. F. Wolters. 2,190,178; Feb. 13.
Tray, Ice. F. P. Kelper. 2,190,502; Feb. 13.
Tray, Ice. J. H. Miner. 2,189,917; Feb. 13.
Tread for stairs, floors, and the like, Antiskid. L. J. A. Lavallee. 2,190,211; Feb. 13.
Treadboard. C. Schivinc. 2,190,195; Feb. 13.
Tree spray, Oil. H. Knight. 2,190,173; Feb. 13.
Tripack. V. B. Sease. 2,189,837; Feb. 13.
Truck body attachment. V. L. Colorigh. 2,190,258; Feb. 13.
Truck, Two-wheel car. J. A. Cameron. 2,190,539; Feb. 13.
Truck, Wheeled. D. G. Morgan. 2,190,368; Feb. 13.
Tube: *See*—
Electronic discharge tube. Gas discharge tube.
Tube and system, Luminescent. C. P. Boucher. 2,190,009; Feb. 13.
Tube for beer apparatus, Draft. D. T. Leone, C. Pagano, and A. Cosentino. 2,190,634; Feb. 13.
Tube system and apparatus, Luminescent. C. P. Boucher. 2,190,010; Feb. 13.
Tubes for pneumatic tire casings, Making safety inner. G. C. Arey. 2,190,202; Feb. 13.
Tuning system, Automatic. W. R. Koch. 2,190,319; Feb. 13.
Typographical composing and casting machine. H. Brandenburg. 2,190,112; Feb. 13.
Umbrella carrier. S. I. Goldstein. 2,190,264; Feb. 13.
Underwear. W. Hurd. 2,190,425; Feb. 13.
Vacuum cleaner. J. E. V. Edstrom. 2,190,470; Feb. 13.
Valve: *See*—
Air valve. Relief valve.
Delivery valve.
Valve. H. Hansen. 2,190,422; Feb. 13.
Valve apparatus, Retroactive. J. Robinson. 2,190,243; Feb. 13.
Valve control. W. Rieger. 2,190,586; Feb. 13.
Valve converting system, Electric. S. E. Rogers and A. L. Whiteley. 2,190,523; Feb. 13.
Valve converting system, Electric. Y. Toda. 2,190,524; Feb. 13.
Valve for fuel pumps of internal combustion engines. W. T. Tabb. 2,190,575; Feb. 13.
Valve mechanism, Thermostatic. J. A. Cerny. 2,189,881–2; Feb. 13.
Vanity case. F. M. Williamson. 2,190,538; Feb. 13.
Vase, Cemetery. M. E. Hunt. 2,190,424; Feb. 13.
Vehicle: *See*—
Motor vehicle.
Vehicle. E. Bugatti. 2,190,397; Feb. 13.
Vehicle. W. Swallow. 2,190,551; Feb. 13.
Vehicle body. J. Votypka. 2,190,462; Feb. 13.
Vehicle construction, Automotive. J. Zimka and F. Miller. 2,190,279; Feb. 13.
Vehicular brake. M. Van Raalte. 2,190,052; Feb. 13.
Velocity measuring system, Pressure wave. C. P. Walker. 2,190,141; Feb. 13.
Voltage regulating means for rectifiers. H. Winograd. 2,189,828; Feb. 13.
Voting machine. A. N. Gustavson. 2,189,951; Feb. 13.
Wagon, Farm. B. and L. Van Zeeland. 2,190,300; Feb. 13.
Wall cleaning apparatus. W. Sisman. 2,190,576; Feb. 13.
Wall construction, Concrete building. C. J. Ulrich. 2,189,872; Feb. 13.
Wall construction, Railroad car. K. F. Nystrom. 2,190,334; Feb. 13.
Washer and drier, Grain. O. P. Keys. 2,190,072; Feb. 13.
Washing machine stand. B. A. Benson. 2,190,623; Feb. 13.
Water closet. J. M. Teahen. 2,190,437; Feb. 13.
Water cooling device. J. J. Szush. 2,190,574; Feb. 13.
Water heater. J. J. MacNeill. 2,190,454; Feb. 13
Water heater. F. T. and J. Windheim. 2,189,749; Feb. 13.
Water treating apparatus. E. P. Fager. 2,190,060; Feb. 13.
Waterproof sheets or boards, Making. H. L. Levin 2,190,034; Feb. 13.
Web splicing device for newspaper presses. E. P. Doyle and L. F. Long. 2,190,058; Feb. 13.
Web tensioning mechanism. A. J. Horton. 2,190,379; Feb. 13.
Weed burner. G. H Roche. 2,190,175; Feb. 13.
Weighing instrument, Recording. A. Karlsson-Ygger. 2,189,802; Feb. 13.
Welding. E. Baer. 2,190,621; Feb. 13.
Welding apparatus, Arc. J. E. Fay. 2,190,150; Feb. 13.
Welding device. M. L. Eckman. 2,189,784; Feb. 13.
Well apparatus, Deep. O. T. Broyles. 2,189,937; Feb. 13.
Wells, Treatment of. C. Irons. 2,189,798–9; Feb. 13.
Wells, Treatment of. C. Irons and L. C. Chamberlain. 2,189,800; Feb. 13.
Wheel: *See*—
Car wheel.
Wheel rim, Traction C. H. Smallwood and W. A. Reich. 2,190,370; Feb. 13.
Wheel structure, Dual. R. A. Wyatt. 2,190,583; Feb. 13.
Wheel suspension. F. W. Slack. 2,190,298; Feb. 13.
Wheel truing apparatus, Grinding. C. C. Alvord. 2,190,132; Feb. 13.
Wick for distillate burners. E. C. Leach. 2,190,519; Feb. 13.
Winder. B. A. Peterson. 2,190,106; Feb. 13.
Window construction. W. L. Kraemer. 2,189,758; Feb. 13.
Window frame. H. W. Cook. 2,190,096; Feb. 13.
Window, Metal. J. R. Montgomery, W. F. Schulz, and D. K. Macleod. 2,189,960; Feb. 13.
Wire reducing machine. L. Berkebil. 2,189,876; Feb. 13.
Woman's companion. S. Shapiro. 2,190,273; Feb. 13.
Wood-pulping process, Chemical. G. A. Richter. 2,190,193; Feb. 13.
Wool, Method and apparatus for making glass. J. H. Thomas, E. Fletcher, and F. W. Atkinson. 2,189,822; Feb. 13.
Woven fabric, Corded. L. J. A. Amyot. 2,190,053; Feb. 13.
Wringer, Clothes or like. R. D. O'Callaghan. 2,190,335; Feb. 13.
X-ray measuring instrument. J. A Victoreen. 2,190,200; Feb. 13.
X-ray pictures of parts of the human body, Process and apparatus for taking. S. Strauss and L. Weisglass. 2,190,389; Feb. 13.
X-ray tube current metering means. E. R. Goldfield and C. B. Horsley. 2,189,894; Feb. 13.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 13, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 4: 2,189,892
8: 2,190,074
37: 2,190,030
224: 2,190,425
4— 14: 2,190,437
57: 2,190,147
67: 2,190,160
115: 2,190,040
213: 2,190,068
287: 2,190,278
5— 38: 2,189,946
8— 69: 2,189,807
105: 2,190,274
120: 2,189,918
9— 25: 2,189,975
10— 154: 2,189,867
155: 2,190,077
11— 1: 2,189,929
12— 33: 2,189,943
38: 2,190,512
142: 2,189,953
15— 25: 2,189,891
50: 2,190,576
85: 2,189,859
95: 2,189,761
106: 2,190,277
128: 2,190,599
157: 2,190,329
179: 2,190,206
193: 2,190,181
2,190,182
211: 2,190,216
244: 2,190,427
16— 111: 2,190,192
172: 2,190,187
190: 2,189,818
198: 2,190,098
17— 11: 2,189,752
29: 2,189,957
18— 6: 2,190,266
41: 2,189,966
54: 2,190,265
2,190,445
59: 2,190,628
60: 2,189,872
20— 12: 2,190,096
19: 2,190,149
35: 2,190,233
52: 2,190,097
69: 2,189,795
21— 58: 2,189,947
2,189,949
22— 36: 2,190,457
62: 2,190,406
73: 2,190,209
92: 2,190,496
139: 2,190,392
200: 2,190,303
204: 2,190,310
213: 2,190,116
23— 65: 2,189,826
130: 2,190,612
160: 2,190,304
191: 2,190,177
244: 2,190,287
250: 2,189,810
284: 2,190,136
288: 2,190,548
24— 11: 2,189,963
123: 2,189,987
205: 2,190,608
2,190,609
217: 2,189,995
255: 2,190,463
28— 26: 2,190,106
29— 1.3: 2,190,536
33: 2,190,611
38: 2,190,208
88.2: 2,190,478
105: 2,189,801
148: 2,190,460
29—152.1: 2,189,956
157.3: 2,190,494
157.4: 2,190,351
168: 2,190,125
30— 16: 2,190,275
43: 2,190,481
228: Re.21,347
237: 2,190,503
247: 2,189,791
33— 47: 2,190,500
50: 2,189,766
64: 2,189,964
70: 2,189,790
75: 2,190,071
2,190,327
91: 2,190,404
132: 2,190,597
147: 2,189,775
34— 24: 2,189,915
26: 2,190,168
37: 2,190,565
35— 74: 2,189,902
36— 7.1: 2,190,579
7.6: 2,189,884
42: 2,189,812
2,189,811
71: 2,190,568
37— 43: 2,190,325
53: 2,190,558
143: 2,189,962
144: 2,190,056
2,190,346
2,190,452
38— 66: 2,190,146
90: 2,190,361
140: 2,190,631
39— 7: 2,189,974
40— 36: 2,189,911
54: 2,190,426
104: 2,190,114
113: 2,189,821
125: 2,190,571
133: 2,190,526
152: 2,190,273
2,190,557
152.1: 2,190,083
41— 10: 2,190,544
17: 2,190,185
21: 2,190,627
33: 2,190,210
2,190,405
43— 21: 2,190,398
25: 2,190,531
28: 2,189,841
2,189,979
46: 2,189,958
2,190,449
51: 2,190,113
81: 2,190,089
118: 2,190,251
45— 68.4: 2,190,225
46— 32: 2,189,853
84: 2,189,763
104: 2,189,759
47— 34: 2,189,889
35: 2,189,982
41: 2,190,424
58: 2,190,128
61: Pl.Pt.361
Pl.Pt.362
Pl.Pt.363
48— 38: 2,189,762
41: 2,190,272
49— 9: 2,190,042
17: 2,189,822
53: 2,190,271
55: 2,190,296
81: 2,189,970
85: 2,189,860
50— 23: 2,190,464
51— 101: 2,189,931
51— 105: 2,190,134
165: 2,190,306
187: 2,189,980
188: 2,189,754
221: 2,189,883
249: 2,189,863
53— 3: 2,190,270
2,190,522
6: 2,190,201
7: 2,190,432
56— 238: 2,190,578
262: 2,190,161
57— 38: 2,189,938
58— 53: 2,190,158
116: 2,190,156
59— 25: 2,190,129
35: 2,190,130
95: 2,190,268
60— 19: 2,190,122
52: 2,189,858
54.5: 2,190,228
2,190,257
54.6: 2,190,238
97: 2,190,534
61— 36: 2,190,003
60: 2,189,804
69: 2,190,330
73: 2,190,387
83: 2,190,064
62— 1: 2,190,366
2,190,367
2: 2,190,046
2,190,171
89: 2,190,574
89.5: 2,190,388
99: 2,190,289
108.5: 2,189,917
2,189,959
2,190,502
2,190,610
115: 2,190,249
118: 2,189,871
124: 2,190,280
126: 2,190,288
129: 2,190,242
140: 2,190,341
64— 17: 2,190,041
66— 96: 2,190,154
163: 2,190,521
169: 2,190,409
172: 2,190,560
180: 2,190,148
67— 7: 2,189,999
69: 2,190,519
68— 22: 2,189,914
134: 2,189,862
263: 2,190,335
70— 90: 2,190,205
150: 2,189,992
289: 2,189,880
72— 96: 2,190,446
98: 2,190,354
115: 2,189,820
73— 51: Re.21,355
110: 2,190,530
254: 2,189,750
261: 2,190,006
338: 2,189,855
2,189,857
345: 2,190,260
74— 2: 2,190,545
33: 2,190,572
41: 2,190,070
48: 2,189,893
125: 2,190,468
128: 2,190,581
194: 2,190,465
260: 2,189,794
262: Re.21,351
305: 2,189,776
334: 2,190,062
74— 334: 2,190,256
2,190,629
389: 2,190,259
505: 2,189,978
522: 2,190,506
531: 2,190,087
545: 2,190,005
597: 2,190,411
606: 2,189,912
75— 22: 2,190,237
76: 2,190,570
128: 2,190,486
138: 2,190,290
140: 2,189,834
2,189,835
176: 2,189,755
2,189,756
77— 32: 2,190,284
75: 2,190,492
81— 66: Re.21,354
82— 18: 2,189,868
34: 2,189,968
83— 10: 2,190,036
28: 2,190,072
42: 2,190,095
84— 298: 2,190,475
377: 2,190,633
86— 40: 2,189,781
87— 9: 2,189,788
2,189,873
16: 2,190,592
88— 1: 2,189,825
2,189,932
2,189,933
2.3: 2,190,569
2.7: 2,190,541
16.4: 2,189,751
17: 2,190,198
20: 2,190,008
23: 2,190,159
2,190,553
24: 2,190,294
49: 2,189,961
56: 2,190,582
89— 40: 2,190,332
41: 2,189,823
90— 33: 2,189,984
2,190,067
58: 2,190,213
62: 2,190,088
91—12.2: 2,190,153
2,190,326
45: 2,189,783
68: 2,190,331
69.1: 2,190,121
92— 11: 2,190,194
13: 2,190,193
21: 2,189,832
2,190,034
93— 2: 2,190,189
36: 2,190,479
94— 5: 2,190,211
18: 2,189,861
45: 2,190,562
95— 2: 2,189,837
4.5: 2,190,188
6: 2,189,817
44: 2,190,559
96— 19: 2,190,109
97— 23: 2,190,618
47: 2,190,347
193: 2,190,166
209: 2,190,240
98— 32: 2,190,002
99— 2: 2,190,176
135: 2,190,021
2,190,180
136: 2,190,226
138: 2,190,231
186: 2,189,774
192: 2,190,151
99— 207: 2,190,063
100— 47: 2,190,029
101— 39: 2,189,757
114: 2,190,499
132.5: 2,189,765
133: 2,189,921
378: 2,190,380
2,190,385
395: 2,190,186
102— 2: 2,190,374
6: 2,190,460
36: 2,190,157
103— 46: 2,190,535
118: 2,190,246
161: 2,189,773
2,190,066
203: 2,190,104
265: 2,190,109
104— 26: 2,190,073
105— 247: 2,190,333
368: 2,190,636
401: 2,190,334
414: 2,190,144
107— 1: 2,190,483
15: 2,190,236
108— 8: 2,190,028
109— 33: 2,190,229
111— 59: 2,190,359
112— 47: 2,190,355
71: 2,190,614
124: 2,189,965
113— 112: 2,190,267
114— 122: 2,190,617
177: 2,189,758
116— 114: 2,190,212
118: 2,190,027
124.1: 2,190,059
119— 17: 2,190,119
71: 2,190,420
143: 2,190,115
120— 83: 2,190,507
2,190,508
121— 127: 2,190,586
122— 20: 2,189,749
123— 12: 2,189,976
32: 2,190,537
33: 2,190,015
65: 2,190,011
119: 2,189,907
140: 2,190,051
2,190,630
148: 2,189,899
2,189,913
169: 2,190,269
173: 2,190,394
174: 2,189,888
180: 2,190,345
2,190,348
198: 2,190,459
125— 11: 2,190,132
16: 2,189,780
126— 25: 2,190,139
53: 2,190,454
75: 2,190,343
91: 2,190,375
108: 2,190,410
110: 2,190,349
271.2: 2,190,175
275: 2,189,875
127— 34: 2,189,824
128— 21: 2,190,473
76.5: 2,190,516
2,190,564
81: 2,190,016
156: 2,190,378
2,190,431
191: 2,190,613
400: 2,190,384
401: 2,190,383
129— 43: 2,190,178
130— 24: 2,190,262
131— 10: 2,190,107
66: 2,190,012
2,190,032
94: 2,189,886
173: 2,190,312
175: 2,189,878
232: 2,189,842
2,189,940
132— 36: 2,190,057
78.5: 2,190,376
134— 1: 2,190,604
23.4: 2,190,372
79: 2,190,461
135— 5: 2,190,566
33: 2,190,264
137— 53: 2,190,352
68: 2,189,903
2,189,991
122: 2,190,197
139— 384: 2,190,053
141— 7: 2,190,165
143— 37: 2,190,152
144— 304: 2,190,585
146— 7: 2,190,105
148— 9: 2,189,753
10: 2,190,050
13.1: 2,189,836
151— 22: 2,190,174
57: 2,190,075
2,190,076
152— 56: 2,190,370
208: 2,190,142
153— 46: 2,190,423
64: 2,190,429
82: 2,190,386
154— 2: 2,189,840
2.6: 2,190,018
14: 2,190,202
48: 2,189,813
155— 1: 2,190,221
116: 2,190,401
174: 2,190,395
158— 1.5: 2,190,190
3: 2,189,877
27.4: 2,190,356
115: 2,189,798
117.1: 2,189,829
2,190,099
161— 17: 2,190,543
22: 2,190,533
164— 25: 2,189,797
58: Re.21,353
68: 2,190,638
73: 2,190,049
166— 1: 2,189,919
2,190,250
2,190,442
4: 2,190,362
13: 2,189,937
18: 2,190,145
19: 2,190,407
21: Re.21,356
2,189,798
2,189,799
2,189,800
167— 43: 2,190,173
74: 2,190,183
2,190,248
75: 2,190,137
170— 159: 2,189,785
171— 34: 2,190,497
97: 2,189,905
2,189,990
2,190,527
209: 2,189,926
312: 2,189,777
172— 179: 2,190,402
2,190,523
274: 2,190,223
288: 2,189,827

173— 269: 2,190,162
273: 2,190,143
2,190,510
322: 2,189,865
328: 2,190,403
332: 2,190,363
334.1: 2,190,196
343: 2,190,230
174— 25: 2,190,017
175— 182: 2,189,900
2,190,320
2,190,321
2,190,322
2,190,323
2,190,324
183: 2,190,488
315: 2,190,285
2,190,286
320: 2,189,846
345: 2,190,381
363: 2,189,782
2,189,828
2,190,353
2,190,524
366: 2,189,887
2,189,908
2,189,909
373: 2,190,282
176— 1: 2,189,786
16: 2,190,313
34: 2,190,528
119: Re.21,346
122: 2,190,009
2,190,308
124: 2,190,010
126: 2,190,302
177— 311: 2,190,428
324: 2,189,934
327: 2,190,124
329: 2,190,035
2,190,123
367: 2,190,301
178— 2: 2,190,540
6.8: 2,189,808
7.5: 2,189,843
2,189,916
25: 2,190,291
44: 2,190,131
2,190,430
2,190,436
2,190,448
80: 2,190,309
179— 1: 2,189,994
18: 2,189,769
2,190,140
81: 2,190,155
90: 2,189,944
2,190,307
91: 2,189,993
103: 2,190,466
2,190,467
171: 2,189,768
2,189,849
2,189,925
2,190,482
2,190,513
171.5: 2,189,897
180: 2,190,318
180— 1: 2,190,397
73: 2,190,279

181— 0.5: 2,190,141
48: 2,190,396
182— 31: 2,190,532
183— 32: 2,190,138
37: 2,190,470
49: 2,190,103
184— 3: 2,190,554
6: 2,189,814
2,190,254
2,190,580
188— 78: 2,190,052
91: 2,190,219
152: 2,190,120
167: 2,190,400
189— 1: 2,190,004
34: 2,190,490
65: 2,189,960
76: 2,190,263
82: 2,190,214
2,190,215
192— .02: 2,189,942
2,190,447
5: 2,189,904
44: 2,189,930
85: 2,190,542
193— 31: 2,190,094
194— 1: 2,189,866
195— 6: 2,190,484
38: 2,189,793
66: 2,189,948
196— 10: 2,190,624
11: 2,190,480
13: 2,189,844
18: 2,189,885
30: 2,189,850
33: 2,190,007
39: 2,190,043
44: 2,190,471
46: 2,190,247
51: 2,190,635
78: 2,189,924
197— 49: 2,189,927
198— 7: 2,189,869
30: 2,190,620
220: Re.21,349
199— 51: 2,190,112
200— 8: 2,190,295
16: 2,190,299
17: 2,190,520
2,190,525
33: 2,190,603
35: 2,190,241
52: 2,190,549
58: 2,190,117
67: 2,190,342
83: 2,190,338
87: 2,190,303
114: 2,189,764
116: 2,190,517
122: 2,189,996
138: 2,190,276
139: 2,190,337
166: 2,190,477
202— 16: 2,190,293
248: 2,190,297
204— 5: 2,190,440
205— 3: 2,189,876
206— 37: 2,190,538
48: 2,190,408
209— 111: 2,190,563

209— 168: 2,189,779
173: 2,190,637
190: 2,190,632
405: 2,190,619
210— 2: 2,190,598
12: 2,190,596
40: 2,190,060
72: 2,190,455
2,190,456
138: 2,190,305
169: 2,190,014
211— 13: 2,190,567
71: 2,190,065
74: 2,189,989
134: 2,190,244
213— 7: 2,190,539
214— 16.1: 2,190,086
84: 2,190,258
139: 2,190,051
140: 2,190,164
215— 37: 2,190,054
38: 2,190,606
219— 4: 2,189,784
8: 2,190,150
10: 2,190,621
13: 2,189,819
20: 2,189,856
44: 2,190,135
220— 1: 2,189,787
2,189,945
26: 2,190,476
39: 2,190,495
93: 2,190,203
221— 11: 2,190,441
79: 2,190,163
98: 2,190,092
106: 2,190,111
114: 2,190,311
223— 61: 2,190,102
71: 2,189,789
224— 5: 2,190,601
225— 3: 2,190,634
12: 2,189,950
21: 2,190,084
40: Re.21,352
226— 31: 2,189,967
73: 2,189,852
80: 2,190,509
101: 2,189,831
229— 3.5: 2,189,955
15: 2,190,399
23: 2,190,199
37: 2,190,433
52: 2,189,920
62.5: 2,189,847
80: 2,190,023
2,190,024
230— 119: 2,189,767
121: 2,190,118
127: 2,190,245
152: 2,189,969
234— 5.4: 2,189,802
235— 51: 2,189,951
60: 2,189,851
70: 2,190,472
84: 2,190,281
123: 2,190,126
144: 2,190,626
236— 44: 2,190,344
46: Re.21,350

236— 48: 2,189,881
2,189,882
237— 2: 2,189,895
8: 2,189,941
19: 2,190,382
238— 14: 2,190,195
240— 6: 2,190,364
103: 2,190,283
242— 45: 2,190,261
55: 2,190,529
58: 2,190,058
75: 2,190,379
84.5: 2,189,952
118: 2,190,013
123: 2,190,085
244— 76: 2,190,391
77: 2,190,390
82: 2,190,340
246— 63: 2,190,505
77: 2,189,879
248— 2: 2,190,170
51: 2,190,108
150: 2,190,623
174: 2,190,127
206: 2,190,550
278: 2,190,439
250— 11: 2,189,910
2,190,037
2,190,038
2,190,039
17: 2,189,896
2,190,511
20: 2,189,848
2,190,052
2,190,243
2,190,292
2,190,319
2,190,515
2,190,546
27: 2,190,069
2,190,317
2,190,514
2,190,552
27.5: 2,189,874
2,189,906
2,189,928
2,189,986
2,189,998
2,190,020
2,190,079
2,190,110
36: 2,189,770
2,190,078
2,190,504
2,190,048
40: 2,190,435
58: 2,190,458
65: 2,190,389
83: 2,190,200
100: 2,189,894
153: 2,189,985
2,189,988
174: 2,189,911
2,189,972
177: 2,189,973
251— 10: 2,190,255
76: 2,190,575
93: 2,190,602
141: 2,190,422
252— 1: 2,189,803

254— 34: 2,189,977
86: 2,190,252
2,190,489
88: 2,190,491
106: 2,189,981
255— 2: 2,190,235
27: 2,190,045
35: 2,190,547
61: 2,190,434
72: 2,189,923
73: 2,190,350
256— 13.1: 2,189,792
257— 2: 2,190,232
184: 2,190,584
259— 54: 2,190,421
75: 2,190,487
150: 2,190,339
154: 2,190,044
260— 20: 2,189,833
29: 2,190,239
32: 2,189,854
38: 2,190,605
67: 2,190,033
2,190,184
112: 2,190,179
171: 2,190,172
202: 2,189,805
231: 2,190,450
2,190,451
295: 2,190,133
2,190,444
338: 2,189,809
344: 2,189,778
2,189,830
2,190,167
345: 2,190,600
407: 2,189,772
415: 2,190,616
418: 2,190,591
2,190,615
425: 2,190,593
2,190,594
2,190,595
426: 2,190,588
2,190,589
2,190,590
451: 2,190,453
454: 2,190,022
525: 2,190,001
528: 2,190,377
584: 2,189,808
600: 2,190,607
624: 2,189,805
639: 2,190,501
654: 2,189,890
668: 2,190,191
669: 2,189,771
676: 2,190,025
680: 2,190,369
683: 2,189,815
2,189,816
761: 2,190,587
261— 34: 2,190,314
262— 1: 2,190,556
263— 8: 2,189,983
32: 2,190,234
266— 21: 2,190,493
23: 2,190,360
267— 20: 2,190,298

267— 50: 2,190,217
63: 2,189,870
270— 68: 2,190,414
2,190,415
271— 49: 2,190,413
2,190,416
52: 2,190,417
2,190,418
273— 29: 2,189,997
99: 2,189,922
161: 2,190,031
274— 10: 2,190,026
277— 54: 2,190,412
280—11.13: 2,189,760
11.26: 2,190,316
33.1: 2,190,373
33.44: 2,189,864
61: 2,190,358
95: Re.21,348
106: 2,190,224
124: 2,190,368
143: 2,190,300
281— 1: 2,189,935
2,189,939
2: 2,190,438
19: 2,190,625
33: 2,190,090
34: 2,190,055
282— 8: 2,190,253
283— 5: 2,190,019
285— 91: 2,190,220
161: 2,190,357
166: 2,190,419
286— 11: 2,190,443
287— 20: 2,190,555
2,190,622
52.01: 2,190,371
53: 2,189,845
2,190,577
119: 2,190,081
292— 92: 2,190,485
174: 2,190,047
192: 2,190,080
340: 2,190,518
293— 55: 2,190,328
294— 124: 2,190,573
295— 11: 2,189,901
296— 28: 2,190,227
2,190,551
64: 2,190,218
137: 2,190,462
299— 18: 2,190,639
57: 2,190,561
84: 2,189,936
301— 1: 2,190,583
132: 2,190,091
304— 17: 2,190,093
308— 20: 2,190,336
187.2: 2,189,838
193: 2,190,365
309— 11: 2,190,207
23: 2,189,839
45: 2,190,204
311— 17: 2,190,222
312— 38: 2,190,315
55: 2,190,101
56: 2,190,100
84: 2,189,954
164: 2,190,498
172: 2,190,474

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,189,749:	122—	20	2,189,941:	237—	8	2,190,026:	274—	10	2,190,160:	4—	67
2,189,755:	75—	176	2,189,947:	21—	58	2,190,044:	259—	154	2,190,181:	15—	193
2,189,758:	114—	177	2,189,948:	195—	66	2,190,046:	62—	2	2,190,228:	60—	54.5
2,189,789:	223—	71	2,189,962:	37—	143	2,190,051:	123—	140	2,190,229:	109—	33
2,189,871:	62—	118	2,189,974:	39—	7	2,190,102:	223—	61	2,190,249:	62—	115
2,189,895:	237—	2	2,189,996:	200—	122	2,190,105:	146—	7	2,190,272:	48—	41
2,189,898:	178—	6.8	2,190,006:	73—	261	2,190,118:	230—	121	2,190,277:	15—	106
2,189,907:	123—	119	2,190,025:	260—	676	2,190,138:	183—	32	2,190,290:	75—	138

2,190,305:	210—	138	2,190,454:	126—	53
2,190,335:	68—	263	2,190,455:	210—	72
2,190,345:	123—	180	2,190,456:	210—	72
2,190,348:	123—	180	2,190,458:	250—	58
2,190,374:	102—	2	2,190,628:	18—	59
2,190,414:	270—	68			
2,190,427:	15—	244			
2,190,445:	18—	54			

U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abraham & Straus, Inc., Brooklyn, N. Y. Shoes. Serial No. 425,216; Feb. 20. Class 39.

Agfa Ansco Corporation, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic goods. Serial No. 426,596; Feb. 20. Class 26.

Airey, F. J., Co., Inc., Los Angeles, Calif. Cold tablets. Serial No. 426,424; Feb. 20. Class 6.

Alhadeff, Nessim, doing business as Whiz Fish Products Company, Seattle, Wash. Canned fish. Serial Nos. 426,425–6; Feb. 20. Class 46.

American Doll, The. (See Lakopolanska, Mary H.)

American Spirits, Inc., New York, N. Y. Rum. Serial No. 427,327; Feb. 20. Class 49.

Aratex, Inc., Bristol, R. I. Fibrous materials. Serial No. 424,948; Feb. 20. Class 1.

Ault & Wiborg Carbon & Ribbon Co., Inc., New York, N. Y. Typewriter ribbons. Serial No. 427,291; Feb. 20. Class 11.

Austill, Jack, doing business as Austill Garment Company, Kansas City, Mo. Sanitary pad supporting garment. Serial No. 427,000; Feb. 20. Class 44.

Back, Joseph B., doing business as J. B. Back & Company, Brooklyn, N. Y. Cigars and cigarettes. Serial No. 426,323; Feb. 20. Class 17.

Baker, John G., doing business as Live Toys, Evansville, Wis. Toy animals. Serial Nos. 426,390–1; Feb. 20. Class 22.

Bee Tree Vermiculite Mines, Asheville, N. C. Vermiculite. Serial No. 425,384; Feb. 20. Class 1.

Behnke, B. E., doing business as Modern Diet Products Supply Co., Milwaukee, Wis. Electrically driven juice extractor. Serial No. 426,829; Feb. 20. Class 21.

Behrens, John, Brooklyn, N. Y. Sandwiches. Serial No. 426,393; Feb. 20. Class 46.

Bermat Products Corp., New York, N. Y. Albums, blotting devices, rubber and metal stamps, etc. Serial No. 417,436; Feb. 20. Class 37.

Best & Co. Inc., New York, N. Y. Junior, misses', and children's sleeping apparel. Serial No. 425,227; Feb. 20. Class 39.

Binkovitz, M., & Sons, Inc., New York, N. Y. Cotton piece goods. Serial No. 426,853; Feb. 20. Class 42.

Blue Lake Producers Cooperative, Salem and West Salem, Oreg. Canned corn. Serial No. 425,695; Feb. 20. Class 46.

Bonwit Teller, Inc., New York, N. Y. Women's and misses' blouses, sweaters, dresses, etc. Serial No. 426,285; Feb. 20. Class 39.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 424,538; Feb. 20. Class 22.

Browne Pharmacy, Inc., The, New Bedford, Mass. Preparation for coughs. Serial No. 426,433; Feb. 20. Class 6.

Business Executive Publications, Inc., Washington, D. C. Publication. Serial No. 425,912; Feb. 20. Class 38.

California Olive Association, San Francisco, Calif. Canned olives. Serial No. 426,479; Feb. 20. Class 46.

Carity Hosiery Company, Philadelphia, Pa. Hosiery. Serial No. 425,042; Feb. 20. Class 39.

Carter Products, Inc., New York, N. Y. Effervescent salts and laxatives. Serial No. 426,154; Feb. 20. Class 6.

Castillon & Co., Cognac, France. Cognac. Serial No. 421,369; Feb. 20. Class 49.

Central States Manufacturing & Sales Corp., Chicago, Ill. Stokers. Serial No. 426,687; Feb. 20. Class 34.

Chess, Mary, Inc., New York, N. Y. Soap. Serial No. 426,761; Feb. 20. Class 4.

Chix Company. (See Dainty Foods Manufacturers, Inc.)

Cincinnati Cake & Specialty Company, The, Cincinnati, Ohio. Crackers. Serial No. 424,832; Feb. 20. Class 46.

Clef Inc., Chicago, Ill. Contest game devices. Serial No. 421,692; Feb. 20. Class 22.

Coast Fishing Company, Wilmington, Calif. Canned cat food. Serial Nos. 426,394–5; Feb. 20. Class 46.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 426,830; Feb. 20. Class 42.

Collins, Ashton B., Birmingham, Ala. Paper. Serial No. 425,231; Feb. 20. Class 37.

Columbia-Bedford Corporation, Long Island City, N. Y. Motor oils. Serial No. 426,559; Feb. 20. Class 15.

Conkey, G. E., Co., The, Cleveland, Ohio. Preparation for the treatment of poultry for intestinal disorders. Serial No. 427,297; Feb. 20. Class 6.

Crampton, David, doing business as Highside Chemicals Company, Newark, N. J. Liquid dehydrant for refrigerants. Serial No. 426,159; Feb. 20. Class 6.

Crane Packing Company, Chicago, Ill. Flexible packing of leather, duck, asbestos, rubber, non-metallic washers, and discs. Serial No. 425,985; Feb. 20. Class 35.

Crosby Naval Stores, Incorporated, Picayune, Miss. Resinous core binder. Serial No. 426,484; Feb. 20. Class 5.

Crown Zellerbach Corporation, doing business as Western Waxed Paper Company, Division of Crown Zellerbach Corporation, San Francisco, Calif., and Portland and North Portland, Oreg. Gummed sealing material. Serial No. 422,275; Feb. 20. Class 37.

Crown Zellerbach Corporation, doing business as Western Waxed Paper Company, Division of Crown Zellerbach Corporation, San Francisco, Calif., and Portland and North Portland, Oreg. Gummed sealing material. Serial No. 426,123; Feb. 20. Class 37.

Dainty Foods Manufacturers, Inc., doing business as Chix Company, Chicago, Ill. Soup mix. Serial No. 424,259; Feb. 20. Class 46.

Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 427,338; Feb. 20. Class 6.

Dictaphone Corporation, Bridgeport, Conn. Electrical sound recorders. Serial No. 426,764; Feb. 20. Class 21.

Dieterich-Post Co., San Francisco, Calif. Brown print paper. Serial No. 426,125; Feb. 20. Class 37.

Disney, Walt, Productions, Hollywood, Calif. Writing papers, pads, and tablets. Serial No. 425,952; Feb. 20. Class 37.

Disney, Walt, Productions, Hollywood, Calif. Glass tumblers, glass containers, etc. Serial No. 425,953; Feb. 20. Class 33.

Disney, Walt, Productions, Hollywood, Calif. Piece goods. Serial No. 425,955; Feb. 20. Class 42.

Dudgeon, Frank, doing business as Exola Medicine Company, Fairmont, W. Va. Health tonic. Serial No. 427,071; Feb. 20. Class 6.

Dudley, Sterling T., Philadelphia, Pa. Laxative and antacid. Serial No. 426,056; Feb. 20. Class 6.

Eagle Clothes, New York, N. Y. Overcoats, topcoats, suits, etc. Serial No. 426,689; Feb. 20. Class 39.

Elkington & Co. Ltd., Birmingham, England. Silver-plated hollow ware, table ware, and flat ware. Serial No. 413,337; Feb. 20. Class 28.

Emmons Loom Harness Company, Lawrence, Mass., and Charlotte, N. C. Loom reeds and warp combs. Serial No. 426,691; Feb. 20. Class 23.

Etchall, Inc., New York, N. Y. Specially prepared formula for use in restoring the natural finish to limestone, granite, etc. Serial No. 421,699; Feb. 20. Class 6.

Exola Medicine Company. (See Dudgeon, Frank.)

F-R. Publishing Corporation, The, New York, N. Y. Magazine column. Serial Nos. 426,489–90; Feb. 20. Class 38.

Famous-Barr Company. (See May Department Stores Company, The.)

Fine Foods, Inc., Seattle, Wash. Fresh deciduous fruits, canned fruits, canned vegetables, etc. Serial No. 402,564; Feb. 20. Class 46.

Fiske, Jonathan P. B., Auburndale, Mass. Flame coloring material. Serial No. 426,331; Feb. 20. Class 6.

Foodcraft Products. (See United Buyers Corporation.)

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 426,856; Feb. 20. Class 42.

Fowler, Lawrence H., Garden City, Long Island, N. Y. Material for use as bait in animal traps. Serial No. 422,896; Feb. 20. Class 1.

Gay Games Incorporated, Muncie, Ind. Games. Serial No. 422,281; Feb. 20. Class 22.

General Aniline & Film Corporation. (See Agfa Ansco Corporation, assignor.)

General Chemical Company, New York, N. Y. Insecticides and fungicides. Serial No. 426,770; Feb. 20. Class 6.

General Luminescent Corporation, Chicago, Ill. Fluorescent chemicals and mixtures of fluorescent chemicals. Serial No. 426,948; Feb. 20. Class 6.

Giampaoli & Marchini Co., doing business as Giampaoli & Marchini, Le Grand, Calif. Fresh vegetables. Serial No. 426,696; Feb. 20. Class 46.

Gimbel Brothers, Inc., New York, N. Y. Whiskey. Serial No. 422,050; Feb. 20. Class 49.

Gimbel Brothers, Inc., New York, N. Y. Cotton terry towels and wash cloths; linen and cotton dish towels and dish cloths, etc. Serial No. 425,855; Feb. 20. Class 42.

Gimbel Brothers, Inc., New York, N. Y. Girls' dresses, coats, skirts, etc. Serial No. 426,295; Feb. 20. Class 39.

Goldstein, Morris, Pawtucket, R. I. Rug filler. Serial No. 424,039; Feb. 20. Class 1.

Granat, Alexander, New York, N. Y. Processed liquid or mineral water. Serial No. 425,240; Feb. 20. Class 6.

Grant, Arthur J., doing business as Philys Stamp Company, Geneva, N. Y. Postage stamp drier device. Serial No. 399,833; Feb. 20. Class 37.
Green & Green Inc., Houston, Tex. Beverages and syrups and concentrates for making same. Serial No. 424,040; Feb. 20. Class 45.
Highside Chemicals Company. (See Crampton, David.)
House of Charm Cosmetic Co., Chicago, Ill. Cosmetics. Serial No. 426,198; Feb. 20. Class 6.
Hut Neckwear Co. Inc., New York, N. Y. Neckties. Serial No. 426,337; Feb. 20. Class 39.
Illich, Herbert H., New York, N. Y. Device for massaging the foot. Serial No. 427,283; Feb. 20. Class 44.
Independent Halvah & Candies, Inc., Brooklyn, N. Y. Food known as halvah. Serial No. 410,182; Feb. 20. Class 46.
International Affiliated Corporation, New York, N. Y. Preparation used in the treatment of minor irritations of the throat. Serial No. 426,363; Feb. 20. Class 6.
International Paper Company, New York, N. Y. Printing paper. Serial No. 413,789; Feb. 20. Class 37.
International Paper Company, New York, N. Y. Writing and typewriting paper. Serial No. 424,305; Feb. 20. Class 37.
International Safety Razor Corporation, Bloomfield, N. J. Razors and razor blades. Serial No. 424,007; Feb. 20. Class 23.
Isaacs, I. C., & Company, Inc., Baltimore, Md. Breeches, jodhpurs, pants, etc. Serial No. 415,318; Feb. 20. Class 39.
Jantzen Knitting Mills, Portland, Oreg. Swimming suits and girdles. Serial No. 425,786; Feb. 20. Class 39.
Johnson & Johnson, New Brunswick, N. J. Gauze and/or fibrous units as filtering materials. Serial No. 426,620; Feb. 20. Class 31.
Josephthal, Blanche, doing business as Teen Town, Miami Beach, Fla. Women's dresses, suits, coats, etc. Serial No. 424,878; Feb. 20. Class 39.
Keasbey & Mattison Company, Ambler, Pa. Asbestos cloth. Serial No. 426,132; Feb. 20. Class 50.
King Features Syndicate, Inc., New York, N. Y. Cartoon series. Serial No. 426,653; Feb. 20. Class 38.
Kroll Brothers Company, Chicago, Ill. Bed springs. Serial No. 426,532; Feb. 20. Class 32.
Lakopolanska, Mary H., doing business as The American Doll, New York, N. Y. Dolls and doll toys. Serial No. 421,001; Feb. 20. Class 22.
Lander Co. Inc., New York, N. Y. Face powder, skin cream, cologne, etc. Serial No. 425,791; Feb. 20. Class 6.
La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. Serial No. 426,364; Feb. 20. Class 39.
Lasco Laundry Supply Company, Dallas, Tex. Laundry products. Serial No. 419,407; Feb. 20. Class 6.
Limpert Bros., Inc., Vineland, N. J., and New York, N. Y. Confection. Serial No. 424,732; Feb. 20. Class 46.
Live Toys. (See Baker, John G.)
Macfadden Publications, Inc., New York, N. Y. Magazine. Serial No. 426,031; Feb. 20. Class 38.
Majestic Paper Corporation, New York, N. Y. Writing and typewriting paper. Serial Nos. 422,940–1; Feb. 20. Class 37.
Majestic Paper Corporation, New York, N. Y. Writing and typewriting paper. Serial No. 423,106; Feb. 20. Class 37.
Mallinger, Samuel, Company, Pittsburgh, Pa. Caps for glass Mason jars. Serial No. 426,032; Feb. 20. Class 50.
Marinette Knitting Mills, Marinette, Wis. Ladies' dresses, suits, and frocks. Serial No. 426,457; Feb. 20. Class 39.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo. Shoes. Serial No. 426,812; Feb. 20. Class 39.
McCampbell & Company, Inc., New York, N. Y. Fabrics in the piece. Serial No. 424,012; Feb. 20. Class 42.
Milky Way Products Company, Wilmington, Del. Rubber baby pants. Serial No. 426,625; Feb. 20. Class 39.
Miller & Hollis, Inc., Boston, Mass. Chocolates. Serial No. 426,659; Feb. 20. Class 46.
Millers Falls Paper Company, Millers Falls, Mass. Paper. Serial No. 425,896; Feb. 20. Class 37.
Millinery Associates, Inc., New York, N. Y. Periodical. Serial No. 425,858; Feb. 20. Class 38.
Miner, Read & Tullock Inc., New Haven, Conn. Canned fruits and vegetables. Serial No. 425,839; Feb. 20. Class 46.
Modern Diet Products Supply Co. (See Behnke, B. E.)
Monarch Manufacturing Company, Atlanta, Ga. Beverages, and sirups and extracts for making the same. Serial No. 424,734; Feb. 20. Class 45.
Napco Products Co. (See Napoleon, Gustave.)
Napoleon, Gustave, doing business as Napco Products Co., Trenton, N. J. Cleaning preparation. Serial No. 426,217; Feb. 20. Class 4.
National Carbon Company, Inc., New York, N. Y. Antifreeze and corrosion preventive. Serial No. 426,373; Feb. 20. Class 6.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Lumber, asphalt, paving blocks, etc. Serial No. 422,515; Feb. 20. Class 12.
National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 420,234; Feb. 20. Class 42.
Neva-Clog Products, Inc., Bridgeport, Conn. Stapling machines, staples for use therein, and parts and attachments thereof. Serial No. 426,213; Feb. 20. Class 37.
New York Stock Exchange, New York, N. Y. Magazine. Serial No. 425,803; Feb. 20. Class 38.
Nicosia Permanent Waving Co., Inc., Houston, Tex. Permanent wave cream. Serial No. 425,293; Feb. 20. Class 6.
Noak, Fred W., doing business as Okaon Laboratory, Cincinnati, Ohio. Liquid balm. Serial No. 426,841; Feb. 20. Class 6.
Od Peacock Sultan Company, St. Louis, Mo. Liquid vitamin preparation. Serial No. 426,216; Feb. 20. Class 6.
Okaon Laboratory. (See Noak, Fred W.)
Onyx Oil & Chemical Company, Jersey City, N. J. Chemical substance and compound used industrially. Serial No. 426,269; Feb. 20. Class 6.
"Ormig" Organisationsmittel G. m. b. H., Berlin, Germany. Master sheets for use with spirit duplicators for the production of mirror-script originals, copy paper, etc. Serial No. 414,796; Feb. 20. Class 37.
Palmer-Klingsohr Corp., New York, N. Y., now by change of name to Palmer-Klingsohr & McWhood Corp. Loose-leaf account books, copy books, journals, etc. Serial No. 421,462; Feb. 20. Class 37.
Paper Specialty Company, Wausau, Wis. Dusting paper. Serial No. 426,461; Feb. 20. Class 37.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of vitamin K deficiencies. Serial No. 427,257; Feb. 20. Class 6.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton sheets and pillow cases. Serial No. 424,139; Feb. 20. Class 42.
Pennstate Cigar Corporation, Philadelphia, Pa. Cigars. Serial No. 426,221; Feb. 20. Class 17.
Pennsylvania Petroleum Products Co., Philadelphia, Pa. Lubricating oils and greases. Serial No. 426,462; Feb. 20. Class 15.
Permo Products Corporation, Chicago, Ill. Phonograph needles. Serial No. 426,706; Feb. 20. Class 36.
Peterson, Carl W., Moline, Ill. Games. Serial No. 421,712; Feb. 20. Class 22.
Philus Stamp Company. (See Grant, Arthur J.)
Photocolor Studios, Inc., New York, N. Y. Display unit. Serial No. 426,575; Feb. 20. Class 32.
Pine Bros., Inc., Philadelphia, Pa. Ant-acid preparation. Serial No. 426,708; Feb. 20. Class 6.
Quaker City Linoleum Company, Washington, D. C. Linoleum and felt-base floor coverings. Serial No. 395,880; Feb. 20. Class 20.
Rauh, S., & Company, New York, N. Y. Spats. Serial No. 420,498; Feb. 20. Class 39.
Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons. Serial No. 427,171; Feb. 20. Class 11.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous material. Serial No. 427,518; Feb. 20. Class 6.
Rhea Manufacturing Company, Milwaukee, Wis. Dresses. Serial No. 426,710; Feb. 20. Class 39.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographs. Serial No. 426,900; Feb. 20. Class 36.
Rogers Shoe Co., Los Angeles, Calif. Shoes. Serial No. 424,207; Feb. 20. Class 39.
Rosevear, William B., Jr., Birmingham, Mich. Disposable tooth cloths and dental floss. Serial No. 421,672; Feb. 20. Class 44.
Rothschild, Maurice L., Incorporated, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. Serial No. 426,465; Feb. 20. Class 39.
Rubberset Company, Newark, N. J. Paint brushes. Serial No. 425,901; Feb. 20. Class 29.
Scheetz, Walter R., Los Angeles, Calif. Foot bath powder. Serial No. 426,413; Feb. 20. Class 6.
Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Publication. Serial No. 371,233; Feb. 20. Class 38.
Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned vegetable, tomato, pea, and asparagus soups. Serial No. 422,343; Feb. 20. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Automobile batteries. Serial No. 426,846; Feb. 20. Class 21.
Shell Chemical Company, San Francisco, Calif. Lacquer thinner, lacquer solvent, paint thinner, etc. Serial No. 426,870; Feb. 20. Class 16.
Sherwin-Williams Co., The, Cleveland, Ohio. Paint enamels, lacquers, japans, etc. Serial No. 426,786; Feb. 20. Class 16.
Slavick Jewelry Company, Los Angeles, Calif. Watches. Serial No. 426,232; Feb. 20. Class 27.
Smaldone, Frank M., Rochester, N. Y. Masking devices used in the application of nail preparations to the finger nails. Serial No. 422,956; Feb. 20. Class 44.
Smith, H. B., Company, Incorporated, The, Westfield, Mass. Domestic heating boilers. Serial No. 426,378; Feb. 20. Class 34.

Socony Paint Products Company, New York, N. Y. Paints, paint pigments, and varnishes. Serial No. 426,272; Feb. 20. Class 16.
South Pacific Canning Co., assignor to South Pacific Canning Company, Inc., Long Beach, Calif. Canned fish. Serial No. 425,537; Feb. 20. Class 46.
South Pacific Canning Co., assignor to South Pacific Canning Company, Inc., Long Beach, Calif. Canned fish. Serial No. 426,415; Feb. 20. Class 46.
Southern Steel Company, San Antonio, Tex. Apparatus for dispensing liquefied petroleum gas. Serial No. 426,713; Feb. 20. Class 34.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. Serial No. 424,892; Feb. 20. Class 22.
Stainless Razor Blade Corp., New York, N. Y. Razor blades. Serial No. 426,791; Feb. 20. Class 23.
Staley, A. E., Manufacturing Company, Decatur, Ill. Soybean flour. Serial No. 425,589; Feb. 20. Class 46.
Standard Woodcraft, Inc., doing business as Tinkr-Timbr, Paragould, Ark. Craftsmans' kits. Serial No. 413,367; Feb. 20. Class 50.
Sunnyvale Packing Co. (See Schuckl & Co., Inc.)
Sweeper-Vac Company, The, Worcester, Mass. Tables, chairs, stools, etc. Serial No. 425,815; Feb. 20. Class 32.
Takamine Laboratory, Inc., Clifton, N. J. Ointment. Serial Nos. 427,214–15; Feb. 20. Class 6.
TeenTown. (See Josephthal, Blanche.)
Thomas, Chester L., doing business as Thomas Quilt Factories, Denver, Colo. Quilts, pads for beds, cots, etc. Serial No. 426,421; Feb. 20. Class 42.
Times-Mirror Company, The, doing business as Union Citrus Orchards, Brea, Calif. Fresh citrus fruit. Serial Nos. 426,277–8; Feb. 20. Class 46.
Tinkr-Timbr. (See Standard Woodcraft, Inc.)
Todd, Wesley M., doing business as W. Mitchell Todd, Atlanta, Ga. Game. Serial No. 427,147; Feb. 20. Class 22.
Triangle Food Stores, Inc., Hagerstown, Md. Bread. Serial No. 423,935; Feb. 20. Class 46.
Triska, Joseph J., New York, N. Y. Chemicals for electroplating. Serial No. 426,350; Feb. 20. Class 6.
Turftex Company, The, Chicago, Ill. Lawn dressing. Serial No. 425,660; Feb. 20. Class 1.
Underwood Elliott Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 417,939; Feb. 20. Class 11.
Union Citrus Orchards. (See Times-Mirror Company, The.)
United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Clothes lines and wrapping twine. Serial No. 425,315; Feb. 20. Class 7.
United Co-Operatives, Inc., Indianapolis, Ind. Metal roofing, composition roofing, and shingles. Serial No. 421,679; Feb. 20. Class 12.
United Feldspar Corporation, New York, N. Y. Mixture of spodumene and feldspar. Serial No. 426,351; Feb. 20. Class 1.
Valentine Laboratories, Inc., Chicago, Ill. Breath sweetener. Serial No. 426,821; Feb. 20. Class 6.
Van Raalte Company, Inc., New York, N. Y. Hosiery. Serial No. 426,634; Feb. 20. Class 39.
Vanti Pa-Pi-A Corporation, New York, N. Y. Beverage, and syrup for use in making the same. Serial No. 426,583; Feb. 20. Class 45.
Warwick Chemical Company, West Warwick, R. I. Dyestuffs. Serial No. 427,182; Feb. 20. Class 6.
Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. Serial No. 426,849; Feb. 20. Class 39.
Western Waxed Paper Company, Division of Crown Zellerbach Corporation. (See Crown Zellerbach Corporation.)
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Coal furnaces and boilers, gas furnaces and boilers, etc. Serial No. 426,749; Feb. 20. Class 34.
Whiting & Davis Company, Plainville, Mass. Mesh bags. Serial No. 419,132; Feb. 20. Class 3.
Whiz Fish Products Company. (See Alhadeff, Nessim.)
Young, Alexander, Distilling Co., Philadelphia, Pa. Whiskey. Serial No. 426,677; Feb. 20. Class 49.
Zetz 7Up Bottling Company, Inc., New Orleans, La. Beverages. Serial No. 426,750; Feb. 20. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

Ainsworth, Albert A., Ossining, N. Y. Albums. 375,645; Feb. 20. Class 37.
Air Reduction Sales Company, New York, N. Y. Machines for cutting and welding metal. 375,480; Feb. 20; Serial No. 423,021; published Dec. 12, 1939. Class 34.
American Fire Prevention Bureau, Inc., New York, N. Y. Thermostatically-operated electric switches. 131,397; renewed May 18, 1940.
American Fruit Growers Incorporated, Wilmington, Del., and Pittsburgh, Pa. Fresh citrus and deciduous fruits, fresh berries, etc. 375,506; Feb. 20; Serial No. 423,019; published Dec. 12, 1939. Class 46.
American Kid Co. Inc., New York, N. Y. Leather in the piece. 375,550; Feb. 20; Serial No. 424,019; published Dec. 12, 1939. Class 1.
American Pop Corn Company, Sioux City, Iowa. Raw popcorn. 375,389; Feb. 20; Serial No. 411,202; published Nov. 22, 1938. Class 46.
American Tool Works Company, The, Cincinnati, Ohio. Lathes. 375,509; Feb. 20; Serial No. 423,589; published Dec. 12, 1939. Class 23.
Amfre Drug Co., Inc., New York, N. Y. Medicinal preparation. 375,546; Feb. 20; Serial No. 423,995; published Nov. 21, 1939. Class 6.
Aner, James J., doing business as T. F. L. Insects Company, Farmington, Mich. Insecticide. 375,524; Feb. 20; Serial No. 423,785; published Nov. 28, 1939. Class 6.
Arnold, Hamilton L., doing business as Arnold Distributing Company, Austin, Tex. Wines. 375,577; Feb. 20; Serial No. 424,458; published Dec. 12, 1939. Class 47.
Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. 375,525; Feb. 20; Serial No. 423,786; published Nov. 21, 1939. Class 39.
Aspegren & Co., New York, N. Y., assignor, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Shortening and frying medium. 131,026; renewed May 4, 1940.
Atlas Powder Company. (See Duratex Company, The, assignor.)
Austin, H. A., Company, Incorporated, The, Worcester, Mass. Breast forms. 375,442; Feb. 20; Serial No. 421,837; published Nov. 14, 1939. Class 40.
Ayerst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Calcium and phosphorus preparation with vitamins A and D. 375,526; Feb. 20; Serial No. 423,788; published Nov. 28, 1939. Class 6.
B. V. D. Corporation, The, Baltimore, Md. Clothing. 375,390; Feb. 20; Serial No. 413,294; published Dec. 12, 1939. Class 39.
Baer, Clifford, Calumet City, Ill. Sandwiches. 375,379; Feb. 20; Serial No. 407,415; published Dec. 12, 1939. Class 46.
Baldwin Chain and Manufacturing Company, Worcester, Mass., assignor, by mesne assignments, to Chain Belt Company, Milwaukee, Wis. Power-transmission or drive chains. 133,210; renewed July 20, 1940.
Barcelo, Marques & Company, doing business as Distilleria Tropical, Arecibo and Camuy, P. R. Rum. 375,383; Feb. 20; Serial No. 409,833; published Oct. 18, 1938. Class 49.
Barnard, Frederick R., Kew Gardens, N. Y. Natural flowers and floral decorations. 375,513; Feb. 20; Serial No. 423,623; published Dec. 12, 1939. Class 1.
Barrett Company, The, New York, N. Y. Ready-mixed paint. 128,929; renewed Jan. 20, 1940.
Baymax Syndicate, Buffalo, N. Y. Medicated confections. 375,420; Feb. 20; Serial No. 420,083; published July 18, 1939. Class 6.
Beaver Dam Milling Co., Collinston, Utah. Chipped wheat breakfast cereals, puffed wheat, rice cereals, etc. 375,377; Feb. 20; Serial No. 401,466; published Dec. 12, 1939. Class 46.
Blackton-Fifth Avenue, Ltd., New York, N. Y. Brassières, corsets, and underwear. 375,456; Feb. 20; Serial No. 422,270; published Nov. 28, 1939. Class 39.
Bloom & Klein Inc., Canton, Ohio. Beer. 375,399; Feb. 20; Serial No. 414,619; published Mar. 21, 1939. Class 48.
Blum, D., & Co., Inc., New York, N. Y. Moth crystals. 375,503; Feb. 20; Serial No. 423,488; published Nov. 21, 1939. Class 6.
Blumauer-Frank Drug Company, Portland, Oreg., to William J. Wardall, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y., successor. Medicinal remedies and toilet preparations. 129,623; renewed Mar. 9, 1940.
Boston Shoe Company. (See Smith, Jack.)
Brainard, Margaret, Inc., New York, N. Y. Cream for the human skin. 375,426; Feb. 20; Serial No. 421,024; published Nov. 21, 1939. Class 6.
Brainard, Margaret, Inc., New York, N. Y. Cream for the human skin. 375,440; Feb. 20; Serial No. 421,596; published Nov. 21, 1939. Class 6.
Bressler, Regina N. (See Regina Swimming Devices Co.)
Brooklyn Belt Company, Brooklyn, N. Y. Belts. 375,439; Feb. 20; Serial No. 421,562; published Nov. 7, 1939. Class 39.
Brown, Charles P., Santa Fe, N. Mex. Preparation used in the treatment of chapped hands and the like. 375,567; Feb. 20; Serial No. 424,342; published Dec. 5, 1939. Class 6.
Butler Manufacturing Company, Kansas City, Mo. Dry cleaning apparatus. 375,588; Feb. 20; Serial No. 424,575; published Nov. 28, 1939. Class 24.
Buxton, Incorporated, Springfield, Mass. Leather key cases, purses, billfolds, etc. 375,520; Feb. 20; Serial No. 423,754; published Nov. 21, 1939. Class 3.
Campos y Quebrachales Puerto Sastre S. A., Buenos Aires, Argentina. Tanning extracts and substances. 375,413; Feb. 20; Serial No. 419,072; published Dec. 12, 1939. Class 6.

Canned Cold Chemical Corporation, New York, N. Y. Two chemical powder compounds which, when combined, cause refrigeration. 375,403; Feb. 20; Serial No. 416,995; published Dec. 5, 1939. Class 6.
Capital City Products Company, The, Columbus, Ohio. Pie crust mixture and pure vegetable shortening. 375,561; Feb. 20; Serial No. 424,156; published Dec. 12, 1939. Class 46.
Carmo Shoe Manufacturing Company, Carthage, Mo. Ladies' and misses' shoes. 375,551–3; Feb. 20; Serial Nos. 424,024–6; published Dec. 12, 1939. Class 39.
Cavendish Trading Corp., New York, N. Y. Sweaters, nightgowns, gloves, etc. 375,411; Feb. 20; Serial No. 418,563; published Oct. 31, 1939. Class 39.
Central Ohio Paper Company, The, Columbus, Ohio. Paper and stationery. 132,107; renewed June 15, 1940.
Chain Belt Company. (See Baldwin Chain and Manufacturing Company, assignor.)
Chase & Sanborn, Boston, Mass., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Tea. 129,307; renewed Feb. 10, 1940.
Cheese Joint, The. (See Messinger, Perry.)
Chiropody Supply Headquarters, Inc., Chicago, Ill. Adhesive, bandage, and foot plaster. 375,583; Feb. 20; Serial No. 424,514; published Dec. 12, 1939. Class 44.
Clark, Edgar B., and Costas Venetis, Philadelphia, Pa. Ointment. 375,496; Feb. 20; Serial No. 423,370; published Dec. 12, 1939. Class 6.
Clark-Millner Co., Chicago, Ill. Lipsticks. 375,412; Feb. 20; Serial No. 418,963; published Nov. 21, 1939. Class 6.
Cohen, Barnett, Inc., New York, N. Y. Shoes. 375,482; Feb. 20; Serial No. 423,085; published Nov. 21, 1939. Class 39.
Cohen, Goldman & Co., Inc., New York, N. Y. Outer garments. 132,912; renewed July 6, 1940.
Cohn, H. C., & Co., Rochester, N. Y. Neckties. 375,643; Feb. 20. Class 39.
Cohn, Herman, Leather Goods Company, Baltimore, Md. Whisk brooms. 375,630; Feb. 20. Class 29.
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. 375,627; Feb. 20. Class 28.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Perfume, toilet water, face lotion, etc. 375,578; Feb. 20; Serial No. 424,468; published Dec. 5, 1939. Class 6.
Colonial Tobacco Co., The, St. Louis, Mo. Smoking tobacco. 375,644; Feb. 20. Class 17.
Competent Fur Dressers, Inc., Mount Vernon, N. Y. Fur skins. 375,617; Feb. 20. Class 1.
Confections, Inc., Chicago, Ill. Caramel-coated popcorn. 375,424; Feb. 20; Serial No. 420,713; published Sept. 26, 1939. Class 46.
Continental Sales Corporation, Minneapolis, Minn. Compounds for treating materials. 375,382; Feb. 20; Serial No. 409,084; published Dec. 5, 1939. Class 6.
Coolerator Company, The, Duluth, Minn. Refrigerators. 375,371; Feb. 20; Serial No. 385,881; published Jan. 12, 1937. Class 31.
Corn Products Refining Company, New York, N. Y. Waffle syrup. 375,451; Feb. 20; Serial No. 422,126; published Dec. 12, 1939. Class 46.
Costello, Joseph B., doing business as Red Lite Remedy Co., Chicago, Ill. Throat lubricant. 375,449; Feb. 20; Serial No. 422,041; published Dec. 5, 1939. Class 6.
Coty, Inc., New York, N. Y. Face and dusting powder, toilet water, etc. 375,592; Feb. 20; Serial No. 424,683; published Dec. 5, 1939. Class 6.
Cowen Bros., New York, N. Y. Wrist watch straps. 375,499; Feb. 20; Serial No. 423,412; published Dec. 12, 1939. Class 40.
Cox, Charles H., doing business as Sun Wear Ltd., New Bedford, Mass. Neckties, scarfs, undershirts, etc. 375,622; Feb. 20. Class 39.
Crouthamel, H. H., Quakerstown, Pa. Food products. 375,593; Feb. 20; Serial No. 424,684; published Dec. 12, 1939. Class 46.
Curran Corporation, The, Malden, Mass. Emulsifying and scouring solvent. 375,507; Feb. 20; Serial No. 423,522; published Nov. 21, 1939. Class 6.
Curry Laboratory, Camden, N. J. Medicine. 375,527; Feb. 20; Serial No. 423,801; published Dec. 5, 1939. Class 6.
Cutler, Roger W., Boston, Mass. Fabric driving tapes for spindles. 375,406; Feb. 20; Serial No. 417,748; published Dec. 12, 1939. Class 23.
Diamond, Leonard, doing business as Diamond Glove Co., New York, N. Y. Leather gloves. 375,415; Feb. 20; Serial No. 419,334; published Dec. 12, 1939. Class 39.
Diamond Wire & Cable Co., Chicago Heights, Ill. Loop antennas. 375,598; Feb. 20; Serial No. 424,766; published Dec. 12, 1939. Class 21.
Dieterich-Post Co., San Francisco, Calif. Tracing paper. 375,649; Feb. 20. Class 37.
Distileria Tropical. (See Barcelo, Marques & Company.)
Dodd, Alice, & Co., Inc., New York, N. Y. Biscuits. 375,648; Feb. 20. Class 46.
Dormann, George E., doing business as George Dormann Co., El Centro, Calif. Fresh vegetables and fruits. 375,651; Feb. 20. Class 46.
Driver-Harris Company, Harrison, N. J. Metal castings. 132,667; renewed June 29, 1940.
Drueding Brothers Company, Philadelphia, Pa. Sweat bands. 375,521; Feb. 20; Serial No. 423,756; published Nov. 21, 1939. Class 39.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Anti-freeze solutions. 375,555; Feb. 20; Serial No. 424,081; published Nov. 21, 1939. Class 6.
Duratex Company, The, Newark, N. J., assignor to Atlas Powder Company, Wilmington, Del. Waterproofed textile fabric. 132,362; renewed June 22, 1940.
Edison Bros. Stores, Inc., St. Louis, Mo. Ladies' shoes. 375,452; Feb. 20; Serial No. 422,202; published Oct. 31, 1939. Class 39.
Emerson, Charles A., Dallas, Tex. Nose drops. 375,471; Feb. 20; Serial No. 422,813; published Nov. 28, 1939. Class 6.
Empire Silk Company, Wilmington, Del., and New York, N. Y., assignor to William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Silk piece goods. 127,929; renewed Dec. 16, 1939.
Enrich Products Co., Inc., New York, N. Y. Food drink. 375,566; Feb. 20; Serial No. 424,263; published Dec. 12, 1939. Class 46.
Erd-Marshall Co., Port Huron, Mich. Coats, hats, leggings, etc. 375,646; Feb. 20. Class 39.
Etchcrafters of America, Inc., Baltimore, Md. Etching presses, etching kits, etching plates, etc. 375,409; Feb. 20; Serial No. 418,516; published Dec. 12, 1939. Class 23.
Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. 375,497; Feb. 20; Serial No. 423,375; published Nov. 21, 1939. Class 39.
Fae Manufacturing Company. (See Wentzel, Robert A.)
Feldstein, Isidore, doing business as Morris Feldstein & Son, New York, N. Y. Footwear. 375,621; Feb. 20. Class 39.
Ferguson, Wm. C., & Co., Stockton, Calif. Fresh vegetables. 375,457; Feb. 20; Serial No. 422,278; published Dec. 12, 1939. Class 46.
Fink, Geo. A., Co., New York, N. Y. Brooms, brushes, and mops. 132,939; renewed July 6, 1940.
Foster, Lorraine, New York, N. Y. Toilet preparation. 375,641; Feb. 20. Class 6.
Frederickson Tire Co. (See Swanson, Arthur V.)
Fulcom Laboratories, Inc., New York, N. Y. Preparation used in the treatment of vitamin B deficiency conditions. 375,534; Feb. 20; Serial No. 423,880; published Dec. 5, 1939. Class 6.
Gagg Chemical Company, Miami, Fla. Soaps, cleaning compounds and metal polishes. 375,502; Feb. 20; Serial No. 423,461; published Dec. 12, 1939. Class 4.
Galveston-Houston Breweries, Inc. (See Southern Beverage Company, assignor.)
Gantner & Mattern Company, San Francisco, Calif. Swim suits, play suits, and sweaters. 375,604; Feb. 20. Class 39.
Gardner, Edgar J., doing business as Gardner Manufacturing Co., Kansas City, Mo. Display cases and racks. 375,638; Feb. 20. Class 32.
General Drug Company, New York, N. Y. Odoriferous and aromatic chemicals. 375,428–34; Feb. 20; Serial Nos. 421,075–81; published Nov. 28, 1939. Class 6.
General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 375,584; Feb. 20; Serial No. 424,516; published Dec. 5, 1939. Class 6.
General Pharmacal Company, Inc., The, Louisville, Ky. Foot lotion. 375,528; Feb. 20; Serial No. 423,806; published Dec. 5, 1939. Class 6.
General Scientific Corporation, Chicago, Ill. Glass tubing. 375,458; Feb. 20; Serial No. 422,323; published Dec. 12, 1939. Class 33.
General Tire & Rubber Company, The, Akron, Ohio. Automobile hot water heaters using hot fluids from the engine. 375,402; Feb. 20; Serial No. 416,898; published May 16, 1939. Class 19.
Germanow-Simon Machine Co., Rochester, N. Y. Dial crystals and glasses. 375,631; Feb. 20. Class 33.
Ghose, Satish C., doing business as Special Purpose Perfume Company, Chicago, Ill. Perfume. 375,454; Feb. 20; Serial No. 422,245; published Dec. 5, 1939. Class 6.
Gillette Safety Razor Company, Boston, Mass. Safety razors and electrically operated instruments for shaving and for removing hair from the body. 375,589; Feb. 20; Serial No. 424,583; published Dec. 12, 1939. Class 23.
Gimbel Brothers, Inc., New York, N. Y. Trunks, valises, portfolios, etc. 375,540; Feb. 20; Serial No. 423,044; published Nov. 28, 1939. Class 3.
Glantz, Charles, Arkville, N. Y. Camp-chairs, stools, folding chairs, etc. 128,984; renewed Jan. 20, 1940.
Glass, Jackson C. E., assignor to Mill Agents and Distributors, Inc., Oakland, Calif. Waxed paper. 375,606; Feb. 20. Class 37.
Gobel, Adolf, Inc., Brooklyn, N. Y. Frankfurters. 375,472; Feb. 20; Serial No. 422,818; published Dec. 12, 1939. Class 46.
Golding Bros. Company, Inc., New York, N. Y. Chemical fluid for treating fabric. 375,544; Feb. 20; Serial No. 423,978; published Dec. 12, 1939. Class 6.
Goldman, John, Philadelphia, Pa. Coloring for the hair. 132,390; renewed June 22, 1940.
Gomez, Fermin & Ricardo, & Company, Bogota, Colombia. Razor blades. 375,597; Feb. 20; Serial No. 424,750; published Dec. 12, 1939. Class 23.

Goodall Worsted Co. (See Lesher, Whitman & Co., Inc.)
Goodyear Tire & Rubber Company, The. (See Marathon Tire and Rubber Co., The, assignor.)
Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting units. 375,453; Feb. 20; Serial No. 422,207; published Dec. 12, 1939. Class 21.
Grasso, Joe, & Son, Galveston, Tex. Fresh frozen shrimp. 375,514; Feb. 20; Serial No. 423,630; published Dec. 12, 1939. Class 46.
Gretsch, Fred, Manufacturing Co., The, New York, N. Y. Nasal wind musical instrument. 375,594; Feb. 20; Serial No. 424,687; published Dec. 12, 1939. Class 36.
Griswold Manufacturing Company, The, Erie, Pa. Food-choppers, combination meat and food cutters, etc. 133,135; renewed July 13, 1940.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Organic calcium and vitamin concentrate. 375,414; Feb. 20; Serial No. 419,190; published Nov. 28, 1939. Class 6.
Hale, Alfred, Rubber Company, Quincy, Mass. Rubber soles for shoes. 375,529; Feb. 20; Serial No. 423,808; published Nov. 21, 1939. Class 39.
Hansen Glove Corporation, Milwaukee, Wis. Leather gloves. 375,504; Feb. 20; Serial No. 423,497; published Nov. 21, 1939. Class 39.
Harris, Laurenz, Chicago, Ill. Compound for the treatment of diseases of the mouth, gums, and teeth. 375,481; Feb. 20; Serial No. 423,057; published Nov. 28, 1939. Class 6.
Harris-Seybold-Potter Company, Cleveland, Ohio. Photographic chemicals. 375,535; Feb. 20; Serial No. 423,884; published Dec. 12, 1939. Class 6.
Harris-Seybold-Potter Company, Cleveland, Ohio. Photographic chemicals. 375,536; Feb. 20; Serial No. 423,886; published Dec. 12, 1939. Class 6.
Haskell, Charles C., & Co., Inc., Richmond, Va. Antispasmodic-sedative pharmaceutical preparation. 375,541; Feb. 20; Serial No. 423,948; published Dec. 5, 1939. Class 6.
Henrici Laundry Machinery Company, Boston, Mass. Laundry washing machines. 375,556; Feb. 20; Serial No. 424,088; published Nov. 21, 1939. Class 24.
Hickok Manufacturing Company, Inc., Rochester, N. Y. Braces, garters, and apparel belts. 375,493; Feb. 20; Serial No. 423,266; published Nov. 14, 1939. Class 39.
Hodgson Oil Refining Company, Athens, Ga. Lard substitute. 133,261; renewed July 20, 1940.
Hooker Electrochemical Company, Niagara Falls, N. Y. Alphachlor naphthaline, aluminum chloride, ammonium benzoate, etc. 375,476; Feb. 20; Serial No. 422,974; published Nov. 28, 1939. Class 6.
Hoover Company, The, North Canton, Ohio. Insecticide devices. 375,387; Feb. 20; Serial No. 410,906; published Dec. 12, 1939. Class 23.
Hudson Handkerchief Co., Inc., Newark, N. J. Handkerchiefs. 375,473; Feb. 20; Serial No. 422,819; published Nov. 28, 1939. Class 39.
Hughes, Arthur C., Dallas, Tex. Refrigeration apparatus and bottle coolers. 375,608; Feb. 20. Class 31.
Hunger, William E., doing business as Sutton-Hunger Products Company, Los Angeles, Calif. Natural mineral clay-pack of a medicinal nature for animals. 375,375; Feb. 20; Serial No. 399,235; published Jan. 25, 1938. Class 6.
Hygienol Company, Inc. (See Levy, Maurice, assignor.)
Ideal Shoe Co., Philadelphia, Pa. Shoes. 375,463; Feb. 20; Serial No. 422,628; published Nov. 14, 1939. Class 39.
Illinois Baking Corporation, Chicago, Ill. Ice cream cones. 375,640; Feb. 20. Class 46.
International Cellucotton Products Company, Chicago, Ill. Deodorant for men. 375,522; Feb. 20; Serial No. 423,759; published Nov. 28, 1939. Class 6.
International Latex Corporation, Dover, Del. Baby pants and diaper covers. 375,455; Feb. 20; Serial No. 422,249; published Nov. 28, 1939. Class 39.
Iron Fireman Manufacturing Company, Portland, Oreg. Thermostatically-controlled electric switches. 375,397; Feb. 20; Serial No. 415,294; published May 30, 1939. Class 26.
Irresistible, Inc., Jersey City, N. J. Perfume. 375,542; Feb. 20; Serial No. 423,954; published Nov. 21, 1939. Class 6.
Jamesen Chemical Corp., Brooklyn, N. Y. Bleaching and deodorizing preparation. 375,488; Feb. 20; Serial No. 423,214; published Nov. 28, 1939. Class 6.
Johnson & Balliet, Pittsburgh, Pa. Men's underwear, outer shirts, undershirts, etc. 375,484; Feb. 20; Serial No. 423,137; published Nov. 21, 1939. Class 39.
Juilliard, A. D., & Co. Inc., New York, N. Y. Worsteds, tweeds, and woolen goods in the piece. 375,607; Feb. 20. Class 42.
Kahn Bros. Hay & Grain Co., Chicago, Ill. Grass seeds. 375,571; Feb. 20; Serial No. 424,396; published Dec. 12, 1939. Class 1.
Kay, Violet F., doing business as Charles S. Kay Mfg. Chemists, Detroit, Mich. Nerve tonic. 375,572; Feb. 20; Serial No. 424,397; published Dec. 12, 1939. Class 6.
Kay, Violet F., doing business as Charles S. Kay Mfg. Chemists, Detroit, Mich. Sedative. 375,573; Feb. 20; Serial No. 424,398; published Dec. 5, 1939. Class 6.
Kayser, Julius, & Co., New York, N. Y. Ladies' gloves. 375,407; Feb. 20; Serial No. 417,841; published Nov. 21, 1939. Class 39.
Kellogg Company, Battle Creek, Mich. Waxed, oiled, heat-insulating, etc. papers. 375,400; Feb. 20; Serial No. 415,898; published Dec. 12, 1939. Class 37.
Kersten, Samuel, Chicago, Ill. Faucets, cocks, plumbing and steamfitting valves, etc. 375,609; Feb. 20. Class 13.
Kleinert, I. B., Rubber Company, New York, N. Y. Foundation garments, undergarments, bathing caps, etc. 375,477; Feb. 20; Serial No. 423,000; published Nov. 14, 1939. Class 39.
Kleinert, I. B., Rubber Company, New York, N. Y. Reducing girdles and corsets. 375,605; Feb. 20. Class 39.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 375,614; Feb. 20. Class 40.
Knipe Bros., Inc., Haverhill, to Knipe Bros. Inc., Ward Hill, Mass. Leather boots and shoes. 131,789; renewed May 25, 1940.
Krazeise, August, Inc., New York, N. Y. Apparel belts. 375,620; Feb. 20. Class 39.
Krischer Rogers & Fischer, Philadelphia, Pa. Women's shoes. 375,479; Feb. 20; Serial No. 422,365; published Oct. 31, 1939. Class 39.
Krom Laboratories, Inc., Kingston, N. Y. Insect or fly spray. 375,381; Feb. 20; Serial No. 409,473; published Nov. 22, 1939. Class 6.
Kyriacopoulo, D. K. (See Lourmas, G. P., and D. K. Kyriacopoulo.)
L & L Wholesale Company. (See Lehmann, Paul H.)
L. & S. Hog Tonic Co., Midville, Ga. Tonic and worming preparation. 375,602; Feb. 20; Serial No. 424,853; published Dec. 5, 1939. Class 6.
La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Chemical compound. 375,547; Feb. 20; Serial No. 424,008; published Nov. 21, 1939. Class 6.
La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Chemical compound. 375,548; Feb. 20; Serial No. 424,009; published Nov. 28, 1939. Class 6.
La Manna, Azema & Farnan, Inc., New York, N. Y. Olives. 375,419; Feb. 20; Serial No. 420,010; published Dec. 12, 1939. Class 46.
Lance Packing Company, Charlotte, N. C., now by change of name to Lance, Inc. Peanut butter sandwiches. 375,385; Feb. 20; Serial No. 410,591; published Dec. 6, 1938. Class 46.
Lang & Rodkey, Warren, Ohio. Liquid gas fuel. 375,441; Feb. 20; Serial No. 421,661; published Dec. 5, 1939. Class 6.
Lansburgh & Bro., Washington, D. C. Boudoir slippers. 375,530; Feb. 20; Serial No. 423,815; published Nov. 28, 1939. Class 39.
Lehmann, Paul H., doing business as L & L Wholesale Company, Dallas, Tex. Wave solution, rubbing alcohol, sulphur, etc. 375,436; Feb. 20; Serial No. 421,244; published Dec. 12, 1939. Class 6.
Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. 375,537; Feb. 20; Serial No. 423,889; published Nov. 28, 1939. Class 6.
Lesher, Whitman & Co., Inc., New York, N. Y., to Goodall Worsted Co., Sanford, Maine, successor. Fabric. 132,729; renewed June 29, 1940.
Levinsohn, Sanders A., Inc., New York, N. Y. Suits and 422,249; published Nov. 28, 1939. Class 39.
Levy, Maurice, New York, assignor to Hygienol Company, Inc., New Rochelle, N. Y. Toothbrushes. 132,990; renewed July 6, 1940.
Lilly, Eli, and Company, Indianapolis, Ind. Products containing various kinds of vitamins. 375,557; Feb. 20; Serial No. 424,095; published Dec. 12, 1939. Class 6.
Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Children's shoes. 375,616; Feb. 20. Class 39.
Loma Linda Food Company, Arlington, Calif. Meat substitute. 375,425; Feb. 20; Serial No. 420,959; published Sept. 12, 1939. Class 46.
Long Island Outfitting Co., Inc., Brooklyn, N. Y. Suits, overcoats, top coats, etc. 375,505; Feb. 20; Serial No. 423,503; published Nov. 14, 1939. Class 39.
Lourmas, G. P., and D. K. Kyriacopoulo, Athens, Greece. Products increasing the calorific power of lignites, charcoals, etc., and binders for briquetting lignites, etc. 375,388; Feb. 20; Serial No. 411,001; published Dec. 12, 1939. Class 6.
Maas Brothers, Inc., Tampa, Fla. Wearing apparel. 375,611; Feb. 20. Class 39.
Macklanburg-Duncan Company, Oklahoma City, Okla. Metal strips and machinery castings. 375,378; Feb. 20; Serial No. 406,932; published Dec. 12, 1939. Class 14.
Madison Foods. (See Rural Educational Association.)
Marathon Tire and Rubber Co., The, Cuyahoga Falls, Ohio, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Imitation leather. 131,182; renewed May 4, 1940.
Marbon Corporation, Gary, Ind. Rubber derivative for bonding rubber to metals. 375,564; Feb. 20; Serial No. 424,239; published Dec. 5, 1939. Class 5.

Markovits, Emanuel M., doing business as Saccharinefabriek "Hollandia", Rotterdam, Netherlands. Saccharin and saccharates. 375,416; Feb. 20; Serial No. 419,727; published July 18, 1939. Class 6.
Maurer Manufacturing Company, Newark, N. J. Meat scrap for poultry and bone meal for hogs, dogs, and poultry. 375,418; Feb. 20; Serial No. 419,742; published Dec. 12, 1939. Class 46.
Mayflower Ice Cream Company, Inc., Fisherville, Mass. Ice cream, sherbets, ices. 375,437; Feb. 20; Serial No. 421,313; published Dec. 12, 1939. Class 46.
McBride, Matthew B., doing business as Sea Caps Company, New York, N. Y. Preparation used in the treatment of sea sickness. 375,386; Feb. 20; Serial No. 410,599; published Nov. 21, 1939. Class 6.
McKelvy, Alfred D., doing business as Alfred D. McKelvy Company, Minneapolis, Minn. After shaving lotion, deodorant, talcum powder, etc. 375,518; Feb. 20; Serial No. 423,705; published Dec. 12, 1939. Class 6.
McKesson & Robbins, Inc. (See Blumauer-Frank Drug Company.)
McSweeney, Mary H. (See Reinhardt, Mary Woodward, and Mary H. McSweeney.)
Medico Chemical Corporation of America, New York, N. Y. Effervescent tablets. 375,579–81; Feb. 20; Serial Nos. 424,484–6; published Dec. 12, 1939. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tonic containing iron. 375,494; Feb. 20; Serial No. 423,309; published Nov. 21, 1939. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Vitamin capsules. 375,559; Feb. 20; Serial No. 424,136; published Dec. 12, 1939. Class 6.
Messinger, Perry, doing business as The Cheese Joint, Sodus, N. Y. Cheese. 375,586; Feb. 20; Serial No. 424,550; published Dec. 12, 1939. Class 46
Metz, Herman A., assignor to Winthrop Chemical Company, Inc., New York, N. Y. Medicines and pharmaceutical preparations. 132,743; renewed June 29, 1940.
Meyer, Geo. J., Manufacturing Co., Milwaukee, to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Bottle-washing machines. 133,164; renewed July 13, 1940.
Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. 375,422; Feb. 20; Serial No. 420,591; published Oct. 31, 1939. Class 39.
Meyers Manufacturing Co., New York, N. Y. Ladies' handbags. 375,515; Feb. 20; Serial No. 423,672; published Nov. 21, 1939. Class 3.
Michigan Alkali Company, Wyandotte, Mich. Alkaline product for de-sulphurizing ferrous metal. 375,478; Feb. 20; Serial No. 423,003; published Dec. 5, 1939. Class 6.
Miles Shoes, Inc., New York, N. Y Shoes, slippers, and boots, etc. 375,516; Feb. 20; Serial No. 423,673; published Nov. 28, 1939. Class 39.
Mill Agents and Distributors, Inc. (See Glass, Jackson C. E., assignor.)
Monark Egg Corporation, Kansas City, Mo. Eggs. 375,421; Feb. 20; Serial No. 420,257; published Dec. 12, 1939. Class 46.
Morris, Mann & Reilly Incorporated, Chicago, Ill. Ladies' handbags, small pocketbooks, purses 375,510; Feb. 20; Serial No. 423,605; published Nov. 21, 1939. Class 3.
Mother and Daughter Stores, Inc., Rocky Mount, N. C. Dresses, hats, underwear, etc. 375,615; Feb. 20; Class 39.
Muller, C. H. F., Aktiengesellschaft, Berlin, Germany. X-ray tubes, apparatus and supplies. 375,511; Feb. 20; Serial No. 423,606; published Dec. 12, 1939 Class 26.
Musebeck Shoe Company, Danville, Ill. Boots and shoes. 375,512; Feb. 20; Serial No. 423,607; published Nov. 14, 1939. Class 39.
National Biscuit Company, New York, N. Y. Bakery products. 375,595; Feb. 20; Serial No. 424,736; published Dec. 12, 1939. Class 46.
National Equipment Company, Springfield, Mass. Cutlery, machinery, and tools, and parts thereof. 133,169; renewed July 13, 1940.
National Geographic Society, Washington, D. C. Printed sheets containing illustrations and descriptive matter. 133,170; renewed July 13, 1940.
National Institute of Nutrition, Los Angeles, Calif., and Buffalo, N. Y. Yeast tablets containing vitamin D. 375,590; Feb. 20; Serial No. 424,626; published Dec. 5, 1939. Class 6.
National Pressure Cooker Company, Eau Claire, Wis. Pressure cookers, skillets, sauce pans, etc. 375,636; Feb. 20. Class 13.
Nehr, M. J., & Company, Chicago, Ill. Bags. 375,462; Feb. 20; Serial No. 422,482; published Dec. 12, 1939. Class 2.
Nelson-Eismann Company, The, Chicago, Ill. Carbon paper. 375,576; Feb. 20; Serial No. 424,435; published Dec. 12, 1939. Class 11.
New York Mercantile Company, The, St. Louis, Mo. Men's hats. 375,523; Feb. 20; Serial No. 423,774; published Nov. 28, 1939. Class 39.
Nieberg, Henry, New York, N. Y. Boys' jackets and coats. 375,450; Feb. 20; Serial No. 422,102; published Nov. 14, 1939. Class 39.
Northern Steel & Stoker Corp., Peoria, Ill. Stokers. 375,565; Feb. 20; Serial No. 424,242; published Dec. 12, 1939. Class 34.
Nyal Company, Detroit, Mich. Medicinal preparation. 375,568; Feb. 20; Serial No. 424,363; published Dec. 5, 1939. Class 6.
Nyal Company, Detroit, Mich. Perfume 375,600–1; Feb. 20; Serial Nos. 424,819–20; published Dec. 5, 1939. Class 6.
Olive Tablet Company, The, Columbus, Ohio. Olive colored tablets for use as a laxative. 375,466; Feb. 20; Serial No. 422,756; published Dec. 12, 1939. Class 6.
O'Neill, Peter L., assignor to John L. O'Neill, Jersey City, N. J. Boiler preserver. 132,472; renewed June 22, 1940.
Osborn, Andrew, doing business as Union Products Company, Detroit, Mich. Medicinal herb tea. 375,500; Feb. 20; Serial No. 423,436; published Nov. 28, 1939. Class 6.
Pando, Jacinto M., Mexico, D. F., Mexico. Perfumes, face powders, creams for the skin, etc. 375,461; Feb. 20; Serial No. 422,408; published Nov. 28, 1939. Class 6.
Parfums Charbert, Inc., New York, N. Y. Lipsticks. 375,549; Feb. 20; Serial No. 424,015; published Dec. 5, 1939. Class 6.
Parke, Davis & Company, Detroit, Mich. Series of vials of narcotic, vitamin and hormone preparations. 375,423; Feb. 20, 1940; Serial No. 420,686; published Dec. 5, 1939. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of vitamin B deficiencies, etc. 375,443; Feb. 20; Serial No. 421,894; published Nov. 21, 1939. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of various types of biliary disturbances, etc. 375,444; Feb. 20; Serial No. 421,895; published Nov. 21, 1939. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of certain cases of epilepsy. 375,445; Feb. 20; Serial No. 421,896; published Nov. 21, 1939. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation for use in the treatment of various conditions of pain and discomfort. 375,446–7; Feb. 20; Serial Nos. 421,897–8; published Nov. 21, 1939. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation for use in oral treatment of estrogenic deficiencies. 375,448; Feb. 20; Serial No. 421,899; published Nov. 21, 1939. Class 6.
Parr, William B., Jr., doing business as William Parr Drug Co., Tampa, Fla. Medicinal preparation. 375,517; Feb. 20; Serial No. 423,675; published Dec. 12, 1939. Class 6.
Pedal Boat Company of America, Inc., New York, N. Y. Pedal boats. 375,632; Feb. 20. Class 19.
Pendle & Rivett Limited, London, England. Men's suits and overcoats. 375,393; Feb. 20; Serial No. 413,521; published Nov. 14, 1939. Class 39.
Pepper, Jas. E., & Company, Lexington, Ky., and New York, N. Y Whiskey, gin, rum, etc. 375,410; Feb. 20; Serial No. 418,531; published Dec. 12, 1939. Class 49.
Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Cold cream. 375,380; Feb. 20; Serial No. 407,537; published Aug. 23, 1939. Class 6.
Pincus & Tobias, Inc., New York, N. Y. Ladies' shoes. 375,474; Feb. 20; Serial No. 422,864; published Nov. 14, 1939. Class 39.
Pinkham, Lydia E., Medicine Company, Lynn, Mass. Preparations having alterative, antiseptic, etc. properties. 375,558; Feb. 20; Serial No. 424,101; published Dec. 12, 1939. Class 6.
Posey, Frank E., doing business as Soot-Eater Mfg. Co., Hamtramck, Mich. Chemical preparation for eliminating soot and carbon scales. 375,495; Feb. 20; Serial No. 423,339; published Dec. 12, 1939. Class 6.
Preservaline Manufacturing Co., The, Brooklyn, N. Y. Meat curing salts and liquids. 375,519; Feb. 20; Serial No. 423,739; published Nov. 28, 1939. Class 6.
Procter & Gamble Company, The. (See Aspegren & Co., assignor.)
Quesor, Inc. (See Sorino, Gabrielle, assignor.)
Red Lite Remedy Co. (See Costello, Joseph B.)
Regina Swimming Devices Co., to Regina N. Bressler, doing business as Regina Swimming Devices Co., New York, N. Y., successor. Swimming or bathing devices. 127,483; renewed Nov. 11, 1939.
Reinhardt, Mary Woodward, and Mary H. McSweeney, New York, N. Y. Toilet soaps. 375,574; Feb. 20; Serial No. 424,408; published Dec. 12, 1939. Class 4.
Reis, Robert, & Co., New York, N. Y. Wearing apparel and furnishings. 375,538–9; Feb. 20; Serial Nos. 423,895–6; published Nov. 28, 1939. Class 39.
Remington Rand Inc., Buffalo, N. Y. Indexed records, record holders, blank and printed cards, etc. 375,372; Feb. 20; Serial No. 390,866; published June 1, 1937. Class 37.
Rice-Weiner & Co., Providence, R. I. Brooches, pins, buckles, etc. 375,634; Feb. 20. Class 28.
Rig Company, The. (See Guy, Ralph L.)
Rodes, Rapier Co., Inc., Louisville, Ky. Hats and shoes. 375,374; Feb. 20; Serial No. 398,062; published Nov. 28, 1939. Class 39.
Rubenstein Bros. Inc., Shreveport, La. Shoes, hosiery and dresses. 375,633; Feb. 20. Class 39.

Rubin, Samuel, New York, N. Y. Mouth wash. 375,489; Feb. 20; Serial No. 423,233; published Nov. 28, 1939. Class 6.
Runix Manufacturing Co. (See Willard, Ralph S.)
Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Canned protein food. 375,427; Feb. 20; Serial No. 421,055; published Aug. 29, 1939. Class 46.
Saccharinefabriek "Hollandia". (See Markovits, Emanuel M.)
Sala-Dress Co. (See Witwer Grocer Company.)
Salem Chemical & Supply Co. (See Symonds, Frank P., assignor.)
Sawyer, Rosa O., South Norfolk, Va. Hair dressing. 375,483; Feb. 20; Serial No. 423,116; published Nov. 28, 1939. Class 6.
Schieffelin & Company, New York, N. Y. Medicinal compound. 132,514; renewed June 22, 1940.
Schneider, Hoffenberg & Mines, Inc., New York, N. Y. Suits and coats. 375,618–19; Feb. 20. Class 39.
Sea Caps Company. (See McBride, Matthew B.)
Sears, Roebuck and Co., Chicago, Ill. Handbags. 375,531; Feb. 20; Serial No. 423,834; published Nov. 21, 1939. Class 3.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for use as antiseptics, for use as vaso-constrictors, etc. 375,508; Feb. 20; Serial No. 423,575; published Nov. 21, 1939. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative, expectorant, and bronchial medicament. 375,562; Feb. 20; Serial No. 424,181; published Dec. 12, 1939. Class 6.
Shaverette Co., Chicago, Ill. Chemical preparations. 375,394; Feb. 20; Serial No. 414,084; published Dec. 12, 1939. Class 6.
Shaw, E. R., doing business as Tiedright Tie Company, Asheboro, N. C. Neckties. 375,610; Feb. 20. Class 39.
Shayne, John T., & Co., Chicago, Ill. Women's outer garments, and hats. 375,460; Feb. 20; Serial No. 422,381; published Nov. 14, 1939. Class 39.
Shell Oil Company, Incorporated, St. Louis, Mo. Anti-freeze solutions. 375,560; Feb. 20; Serial No. 424,142; published Dec. 12, 1939. Class 6.
Shushan Bros. & Co., assignor to Shushan Bros. & Co., Inc., New Orleans, La. Furnishing goods, hosiery, and notions. 133,040; renewed July 6, 1940.
Siekert, Stafford, doing business as Stafford Siekert Co., Milwaukee, Wis. Food dish for small animals. 375,405; Feb. 20; Serial No. 417,476; published Dec. 12, 1939. Class 2.
Silverite Gutterman Co., Boston, Mass. Leather insoles. 375,635; Feb. 20. Class 39.
Skinner, William, & Sons. (See Empire Silk Company, assignor.)
Smith, George G., Avondale, Calif. Cantaloupes. 375,650; Feb. 20. Class 46.
Smith & Gregory, Amarillo, Tex. Metal coating preparation. 375,396; Feb. 20; Serial No. 415,268; published Aug. 15, 1939. Class 6.
Smith, H. A. & E., Limited, Hamilton, Bermuda. Perfumes and toilet waters. 375,532; Feb. 20; Serial No. 423,837; published Nov. 28, 1939. Class 6.
Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes and slippers. 375,628; Feb. 20. Class 39.
Smith, John E., doing business as J. E. Smith Laboratories, Plainfield, N. J. Electric irons. 375,376; Feb. 20; Serial No. 401,405; published Oct. 18, 1938. Class 21.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Emulsifiable wax compositions and wax emulsions. 375,533; Feb. 20; Serial No. 423,865; published Dec. 5, 1939. Class 6.
Solvay Process Company, The, New York, N. Y. Caustic soda. 375,563; Feb. 20; Serial No. 424,183; published Dec. 5, 1939. Class 6.
Soot-Eater Mfg. Co. (See Posey, Frank E.)
Sorino, Gabrielle, New York, N. Y., assignor to Quesor, Inc. Talcum powder, talc, body talc, etc. 375,501; Feb. 20; Serial No. 423,443; published Dec. 5, 1939. Class 6.
Southern Beverage Company, assignor, by mesne assignments, to Galveston-Houston Breweries, Inc., Galveston, Tex. Beverages. 129,083; renewed Jan. 20, 1940.
Spalding Sales Corporation, Chicopee, Mass. Golf clubs. 375,642; Feb. 20. Class 22.
Spalsbury-Stels-Deevers Shoe Company, Fredericktown and St. Louis, Mo. Shoes. 375,401; Feb. 20; Serial No. 416,705; published Nov. 21, 1939. Class 39.
Special Purpose Perfume Company. (See Ghose, Satish C.)
Standard Brands Incorporated. (See Chase & Sanborn, assignor.)
Stein, A., & Company, Chicago, Ill. Belts for personal wear. 375,612; Feb. 20. Class 39.
Strathmore Paper Company, West Springfield, Mass. Paper and stationery. 132,827; renewed June 29, 1940.
Sun Harbor Packing Corporation, San Diego, Calif. Canned fish. 375,587; Feb. 20; Serial No. 424,564; published Dec. 12, 1939. Class 46.
Sun Wear Ltd. (See Cox, Charles H.)
Supreme Sanctorum Ancient Mystic Order of Samaritans, Inc., Niagara Falls, N. Y. Fraternity regalia. 375,373; Feb. 20; Serial No. 395,688; published Nov. 14, 1939. Class 39.
Sutton-Hunger Products Company. (See Hunger, William E.)
Swanson, Arthur V., doing business as Frederickson Tire Co., Oklahoma City, Okla. Tires and inner tubes. 375,647; Feb. 20. Class 35.
Swift and Company, Chicago, Ill. Glue. 375,569; Feb. 20; Serial No. 424,372; published Dec. 5, 1939. Class 5.
Symonds, Frank P., assignor to Salem Chemical & Supply Co., Salem, Mass. Lubricating-oil. 132,829; renewed June 29, 1940.
T. F. L. Insects Company. (See Aner, James J.)
Taco Products, Inc., New York, N. Y. Face creams and preparations for the treatment of the skin. 375,599; Feb. 20; Serial No. 424,789; published Dec. 5, 1939. Class 6.
Takamine Laboratory Inc., New York, N. Y., to Takamine Laboratory, Inc., Clifton, N. J. Quinin ethyl carbonate. 132,830; renewed June 29, 1940.
Tayton Company, Kansas City, Mo. Astringent, brilliantine, hair oil, etc. 375,490; Feb. 20; Serial No. 423,240; published Nov. 21, 1939. Class 6.
Tayton Company, Kansas City, Mo. Compacts, creams, powders, etc. 375,491; Feb. 20; Serial No. 423,241; published Nov. 28, 1939. Class 6.
Tayton Company, Kansas City, Mo. Compacts, creams, facial packs, etc. 375,492; Feb. 20; Serial No. 423,242; published Nov. 21, 1939. Class 6.
Tennessee Copper Company, Copperhill, Tenn. Copper fungicide. 375,435; Feb. 20; Serial No. 421,212; published Dec. 5, 1939. Class 6.
Terhune, Burton H., Maplewood, N. J. Shoes. 375,475; Feb. 20; Serial No. 422,880; published Nov. 7, 1939. Class 39.
Thompson, Charles A., New Sharon, Maine. Tennis and badminton rackets. 375,626; Feb. 20. Class 22.
Tiedright Tie Company. (See Shaw, E. R.)
Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Chemical compounds. 375,575; Feb. 20; Serial No. 424,414; published Dec. 12, 1939. Class 6.
Triple E Products, Inc., New York, N. Y. Products for improving the combustion of fuels and the elimination or the reduction of waste products, soot, etc. 375,465; Feb. 20; Serial No. 422,721; published Nov. 28, 1939. Class 6.
Triplett Electrical Instrument Company, The, Bluffton, Ohio. Electrical meters. 375,479; Feb. 20; Serial No. 423,015; published Dec. 12, 1939. Class 26.
Tripp Corporation, The, New York, N. Y. Chemical water softener and foaming agent. 375,438; Feb. 20; Serial No. 421,442; published Dec. 12, 1939. Class 6.
Ulmer Pharmacal Company. (See Physicians and Hospitals Supply Company, Inc.)
Underwood Elliott Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. 375,408; Feb. 20; Serial No. 417,943; published Dec. 12, 1939. Class 11.
Underwood Typewriter Company, New York, N. Y., now by change of name to Underwood Elliott Fisher Company. Typewriting-machines. 131,645; renewed May 18, 1940.
Union Manufacturing Company, Los Angeles, Calif. Breeches. 375,613; Feb. 20. Class 39.
Union Products Company. (See Osborn, Andrew.)
United Distillers (of America) Ltd., Baltimore, Md. Whiskey, gin, rum, etc. 375,391; Feb. 20; Serial No. 413,427; published Jan. 24, 1939. Class 49.
United States Lime Products Corporation, San Francisco, Calif. Limestone. 375,585; Feb. 20; Serial No. 424,520; published Dec. 12, 1939. Class 1.
U. S. Merchandise Corporation, Baltimore, Md. Florists' Supplies. 375,417; Feb. 20; Serial No. 419,740; published Dec. 12, 1939. Class 30.
United States Rubber Company, New York, N. Y. Rubber tires for vehicles. 375,624; Feb. 20. Class 35.
United States Rubber Company, New York, N. Y. Rubber tires for vehicles. 375,629; Feb. 20. Class 35.
Universal Microphone Co., Ltd., Ingleford, Calif. Machines for making phonograph records, machines for recording sound on phonograph blank, etc. 375,591; Feb. 20; Serial No. 424,631; published Dec. 12, 1939. Class 36.
Van Sciver, J. B., Co., Camden, N. J. Upholstered sofas and chairs, studio couches, etc. 375,637; Feb. 20. Class 32.
Van Sickle, S. D., Estate, Ashland, Pa. Preparation for the treatment of certain named ailments. 132,848; renewed June 29, 1940.
Venetis, Costas. (See Clark, Edgar B., and Costas Venetis.)
Wardall, William J. (See Blumauer-Frank Drug Company.)
Warner Brothers Company, The, Bridgeport, Conn. Brassière combination-undergarments and undergarments. 133,087; renewed July 6, 1940.
Weber, Jules, Inc., New York, N. Y. Oils of cotton-seed or the like for food purposes and chocolates. 132,858; renewed June 29, 1940.
Wentzel, Robert A., doing business as Fae Manufacturing Company, Palmyra, Pa. Undergarments, aprons, dresses, etc. 375,545; Feb. 20; Serial No. 423,991; published Dec. 12, 1939. Class 39.
Weyl-Zuckerman & Co., Stockton, Calif. Potatoes. 375,384; Feb. 20; Serial No. 410,102; published Dec. 12, 1939. Class 46.

Whelan, Reynolds, Sharpsville, Pa. Antiseptic and germicide. 375,486; Feb. 20; Serial No. 423,180; published Nov. 21, 1939. Class 6.
White, H. Kirk, & Co., Oconomowoc, Wis. Powdered hand cleaner. 375,370; Feb. 20; Serial No. 385,450; published Jan. 26, 1937. Class 4.
White Laboratories, Inc., Newark, N. J. Cod liver oil. 375,487; Feb. 20; Serial No. 423,190; published Dec. 5, 1939. Class 6.
White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Chocolate-coated compressed medicinal tablets. 375,467; Feb. 20; Serial No. 422,763; published Nov. 21, 1939. Class 6.
White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Sugar-coated white compressed medicinal tablets. 375,468; Feb. 20; Serial No. 422,764; published Nov. 28, 1939. Class 6.
White, Robert C., Falls of Schuylkill, Philadelphia, Pa. Prophylactic antiseptic throat tablets. 375,469; Feb. 20; Serial No. 422,766; published Nov. 21, 1939. Class 6.
White, Wray P., Natick, Mass. Electric signs. 375,498; Feb. 20; Serial No. 423,393; published Dec. 12, 1939. Class 21.
Wico Electric Company. (See Witherbee Igniter Company, assignor.)
Willard, Ralph S., doing business as Runix Manufacturing Co., assignor to Runix, Inc., Los Angeles, Calif. Run-resisting compound. 375,596; Feb. 20; Serial No. 424,747; published Dec. 5, 1939. Class 6.
Wilder, Wm., Co., Inc., New York, N. Y. Pocketbooks, purses, and handbags. 375,470; Feb. 20; Serial No. 422,792; published Dec. 12, 1939. Class 3.
Wilson Chemical Company, Inc., The, Tyrone, Pa. Tooth paste. 375,464; Feb. 20; Serial No. 422,645; published Nov. 21, 1939. Class 6.
Wilson Distilling Company, Inc., Bristol Pa., and New York, N. Y. Whiskey. 375,623; Feb. 20. Class 49.
Winthrop Chemical Company, Inc. (See Metz, Herman A., assignor.)
Winthrop Chemical Company, Inc., New York, N. Y. Preparation for the treatment of intestinal strongylosis in horses. 375,485; Feb. 20; Serial No. 423,148; published Nov. 21, 1939. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Vitamin E preparation. 375,543; Feb. 20; Serial No. 423,962; published Dec. 12, 1939. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Combination of dicalcium phosphate, calcium gluconate, and vitamin D. 375,582; Feb. 20; Serial No. 424,508; published Dec. 5, 1939. Class 6.
Wirk Garment Corporation, Chicago, Ill. Aprons, leg aprons, breeches, etc. 375,639; Feb. 20. Class 39.
Witherbee Igniter Company, Springfield, assignor to Wico Electric Company, West Springfield, Mass. Batteries, electrical mine-lamps, and magnetos. 133,096; renewed July 6, 1940.
Witwer Grocer Company, doing business as Sala-Dress Co., Cedar Rapids, Iowa. Salad dressing. 375,570; Feb. 20; Serial No. 424,379; published Dec. 12, 1939. Class 46.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Preparation for prophylaxis and treatment of diseases of the vagina and cervix. 375,554; Feb. 20; Serial No. 424,072; published Dec. 12, 1939. Class 6.
Yogfruit Limited, London, England. Yoghurt containing fruit and fruit flavorings. 375,404; Feb. 20; Serial No. 417,155; published Dec. 12, 1939. Class 46.
Young, Alexander, Distilling Company, Philadelphia, Pa. Whiskey. 375,603; Feb. 20; Serial No. 425,176; published Dec. 12, 1939. Class 49.
Zenith Radio Corporation, Chicago, Ill. Antennas and parts thereof. 375,392; Feb. 20; Serial No. 413,463; published Dec. 12, 1939. Class 21.
Zenith Radio Corporation, Chicago, Ill. Antennas and parts thereof. 375,395; Feb. 20; Serial No. 414,418; published Dec. 12, 1939. Class 21.
Zenith Radio Corporation, Chicago, Ill. Antennas and parts thereof. 375,398; Feb. 20; Serial No. 414,419; published Dec. 12, 1939. Class 21.

LIST OF REGISTRANTS OF LABELS

Anderson Company, The, Gary, Ind. Charge-Master. For Electrical Instruments for Indicating the Potential of the Battery and Electrical System of an Automotive Vehicle. 54,267; Feb. 20.
Augenblick, M., & Bro., Inc., Newark, N. J. Tulip Country Roll Butter. For Butter. 54,268; Feb. 20.
Casey Concession Co., Chicago, Ill. Sir Prize. For Candy and Novelty Merchandise. 54,269; Feb. 20.
Casey Concession Co., Chicago, Ill. Casey Crest. For Candy and Novelty Merchandise. 54,270; Feb. 20.
Clayton, A. C., Printing Company, St. Louis, Mo. Fine Footwear. For Footwear. 54,271–2; Feb. 20.
Climalene Company, The, Canton, Ohio. Wash and Clean Climalene. For an All-Around Cleanser and Water Softener. 54,273; Feb. 20.
Conewango Refining Company, The, Warren, Pa. Conewango Process Motor Oil. For Motor Oil. 54,274; Feb. 20.
Corbett, W. A., Wilmington, N. C. Tarheel Brand Yams. For Flue Cured Yams. 54,275; Feb. 20.
Corbett, W. A., Wilmington, N. C. Two-State Brand Yams. For Flue Cured Yams. 54,276; Feb. 20.
Frankenmuth Brewing Company, Frankenmuth, Mich. Frankenmuth Old English Brand Ale. For Ale. 54,277; Feb. 20.
Frankenmuth Brewing Company, Frankenmuth, Mich. Frankenmuth Beer. For Beer. 54,278; Feb. 20.
General Motors Corporation, Detroit, Mich., and Dayton, Ohio. Delco Hydraulic Shock Absorber Fluid. For Hydraulic Shock Absorber Fluid. 54,279; Feb. 20.
Lodder, William B., Syracuse, N. Y. Soil-S-Gro. For a Chemical Preparation For Making a Solution For Growing Plants Without Soil. 54,280; Feb. 20.
Long's Root Beer of Philadelphia, Philadelphia, Pa. Long's Root Beer. For Root Beer. 54,281; Feb. 20.
Lotshaw, Andy, Company, Chicago, Ill. Andy Lotshaw All-Purpose Body Rub. For an All-Purpose Body Rub. 54,297; Feb. 20.
Nord, Al R., doing business as Nord Chemical Company, Duluth, Minn. Ban-Odor. For a Chloramine Product Used as a Disinfectant, Germicide and Deodorant. 54,284; Feb. 20.
North American Coffee Corporation, Port Huron, Mich. Priceless Cup. For Coffee with Chicory. 54,282; Feb. 20.
Nussbaum, Walter H., New York, N. Y. Record of the Month Society. For Phonograph Records. 54,285; Feb. 20.
Nussbaum, Walter H., New York, N. Y. Record of the Week Society. For Phonograph Records. 54,286; Feb. 20.
Peper, Christian, Tobacco Company, St. Louis, Mo. Lord Clive. For a Pipe Mixture of Tobacco. 54,283; Feb. 20.
Rohrs, Friederich W., Rosedale, Md. Klondike Formula 48. For an Anti-Freeze for Radiators. 54,287; Feb. 20.
Schalk Chemical Co., Los Angeles, Calif. Clean House with Hydro-Pura. For a Soapless Cleaner. 54,288; Feb. 20.
Standard Brands Incorporated, New York, N. Y. Pledge. For Tea Balls. 54,289; Feb. 20.
Turmel, Madame Marguerite, Inc., New York, N. Y. Madame Turmel's Knogray. For a Product for Giving a Most Lasting Color to Gray, Faded or Streaked Hair. 54,290; Feb. 20.
Ward Baking Company, New York, N. Y. Fruit Cake. For Fruit Cake. 54,292; Feb. 20.
Ward Baking Company, New York, N. Y. Cup Cakes. For Cup Cakes. 54,293; Feb. 20.
Ward Baking Company, New York, N. Y. Brown Sugar Topped Coffee Cake. For Brown Sugar Topped Coffee Cakes. 54,294; Feb. 20.
Ward Baking Company, New York, N. Y. Ward's Cake—Pastry Ring. For Pastry Rings. 54,295; Feb. 20.
Ward Baking Company, New York, N. Y. Ward's Cake—Vanilla Filled Turnovers. For Turnovers. 54,296; Feb. 20.
Young, George, doing business as George Young and Son, Los Angeles, Calif. Young Brand. For California Vegetables. 54,291; Feb. 20.

LIST OF REGISTRANTS OF PRINTS

De Forest, Elmer E., Susanville, Calif. Significance of the Grocery Order List. For Grocery Order Lists. 17,837; Feb. 20.
Emeloid Co., Inc., The, Arlington, N. J. The Original Emeloid Throat-Lite. For Tongue Depressors Equipped with Tips That Transmit Cold Light for Illuminating the Throat and Mouth. 17,838; Feb. 20.
General Mills, Inc., Minneapolis, Minn. Surprise Your Family Tomorrow with This Delicious Streusel-Filled Coffee Cake! For Flour. 17,839; Feb. 20.
General Mills, Inc., Minneapolis, Minn. Girl and Boy Find Brand-New Joy. For a Cereal Food. 17,840; Feb. 20.
Meadows Corporation, The, Chicago, Ill. Meadows Washer. For Washing Machines. 17,841; Feb. 20.
Roth, Samuel A., doing business as Samuel A. Roth & Co., Cleveland, Ohio. Lucky Me! Lace Four-Leaf Clover Hosiery. For Hosiery. 17,842; Feb. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Flowers and floral decorations, Natural. F. R. Barnard. 375,513; Feb. 20; Serial No. 423,623; published Dec. 12, 1939.
Leather in the piece. American Kid Co. Inc. 375,550; Feb. 20; Serial No. 424,019; published Dec. 12, 1939.
Limestone. United States Lime Products Corporation. 375,585; Feb. 20; Serial No. 424,529; published Dec. 12, 1939.
Seeds, Grass. Kahn Bros. Hay & Grain Co. 375,571; Feb. 20; Serial No. 424,396; published Dec. 12, 1939.
Skins, Fur. Competent Fur Dressers, Inc. 375,617; Feb. 20.

CLASS 2

Bags. M. J. Neahr & Company. 375,462; Feb. 20; Serial No. 422,482; published Dec. 12, 1939.
Dish for small animals, Food. S. Siekert. 375,405; Feb. 20; Serial No. 417,476; published Dec. 12, 1939.

CLASS 3

Cases, purses, billfolds, etc., Leather key. Buxton, Incorporated. 375,520; Feb. 20; Serial No. 423,754; published Nov. 21, 1939.
Handbags. Sears, Roebuck and Co. 375,531; Feb. 20; Serial No. 423,834; published Nov. 21, 1939.
Handbags, Ladies'. Meyers Manufacturing Co. 375,515; Feb. 20; Serial No. 423,672; published Nov. 21, 1939.
Handbags, small pocketbooks, purses, Ladies'. Morris, Mann & Reilly Incorporated. 375,510; Feb. 20; Serial No. 423,605; published Nov. 21, 1939.
Pocketbooks, purses, and handbags. Wm. Wilder Co. 375,470; Feb. 20; Serial No. 422,792; published Dec. 12, 1939.
Trunks, valises, portfolios, etc. Gimbel Brothers, Inc. 375,540; Feb. 20; Serial No. 423,944; published Nov. 28, 1939.

CLASS 4

Cleaner, Powdered hand. H. Kirk White & Co. 375,370; Feb. 20; Serial No. 385,450; published Jan. 26, 1937.
Soaps, cleaning compounds and metal polishes. Gagg Chemical Company. 375,502; Feb. 20; Serial No. 423,461; published Dec. 12, 1939.
Soaps, Toilet. Mary Woodward Reinhardt and Mary H. McSweeney. 375,574; Feb. 20; Serial No. 424,408; published Dec. 12, 1939.

CLASS 5

Glue. Swift and Company. 375,569; Feb. 20; Serial No. 424,372; published Dec. 5, 1939.
Rubber derivative for bonding rubber to metals. Marbon Corporation. 375,564; Feb. 20; Serial No. 424,239; published Dec. 5, 1939.

CLASS 6

Alkaline product for de-sulphurizing ferrous metal. Michigan Alkali Company. 375,478; Feb. 20; Serial No. 423,003; published Dec. 5, 1939.
Alphachlor napthaline, aluminum chloride, ammonium benzoate, etc. Hooker Electrochemical Company. 375,476; Feb. 20; Serial No. 422,974; published Nov. 28, 1939.
Anti-freeze solutions. E. I. du Pont de Nemours and Company. 375,555; Feb. 20; Serial No. 424,081; published Nov. 21, 1939.
Anti-freeze solutions. Shell Oil Company. 375,560; Feb. 20; Serial No. 424,142; published Dec. 12, 1939.
Antiseptic and germicide. R. Whelan. 375,486; Feb. 20; Serial No. 423,189; published Nov. 21, 1939.
Astringent, brilliantine, hair oil, etc. Tayton Company. 375,490; Feb. 20; Serial No. 423,240; published Nov. 21, 1939.
Bleaching and deoderizing preparation. Jamesen Chemical Corp. 375,488; Feb. 20; Serial No. 423,214; published Nov. 28, 1939.
Boiler-preserver. P. L. O'Neill. 132,472; renewed June 22, 1940.
Calcium and phosphorus preparation with vitamins A and D. Ayerst, McKenna & Harrison (United States) Limited. 375,526; Feb. 20; Serial No. 423,788; published Nov. 28, 1939.
Calcium and vitamin concentrate, Organic. R. I. Guy. 375,414; Feb. 20; Serial No. 419,190; published Nov. 28, 1939.
Chemical compound. La Compagnie Pharmaceutique Desbergers. 375,547; Feb. 20; Serial No. 424,008; published Nov. 21, 1939.
Chemical compound. La Compagnie Pharmaceutique Desbergers. 375,548; Feb. 20; Serial No. 424,009; published Nov. 28, 1939.
Chemical compounds. Titanium Alloy Manufacturing Company. 375,575; Feb. 20; Serial No. 424,414; published Dec. 12, 1939.
Chemical fluid for treating fabric. Golding Bros. Company. 375,544; Feb. 20; Serial No. 423,978; published Dec. 12, 1939.
Chemical preparation for eliminating soot and carbon scales. F. E. Posey. 375,495; Feb. 20; Serial No. 423,339; published Dec. 12, 1939.
Chemical preparations. Shaverette Co. 375,394; Feb. 20; Serial No. 414,084; published Dec. 12, 1939.
Chemical water softener and foaming agent. Tripp Corporation. 375,438; Feb. 20; Serial No. 421,442; published Dec. 12, 1939.
Chemicals, Odoriferous and aromatic. General Drug Company. 375,428–34; Feb. 20; Serial Nos. 421,075–81; published Nov. 28, 1939.
Chemicals, Photographic. Harris-Seybold-Potter Company. 375,535; Feb. 20; Serial No. 423,884; published Dec. 12, 1939.
Chemicals, Photographic. Harris-Seybold-Potter Company. 375,536; Feb. 20; Serial No. 423,886; published Dec. 12, 1939.
Clay-pack of a medicinal nature for animals, Natural Mineral. W. E. Hunger. 375,375; Feb. 20; Serial No. 399,235; published Jan. 25, 1938.
Coating preparation, Metal. Smith & Gregory. 375,396; Feb. 20; Serial No. 415,268; published Aug. 15, 1939.
Cod liver oil. White Laboratories, Inc. 375,487; Feb. 20; Serial No. 423,190; published Dec. 5, 1939.
Coloring for the hair. J. Goldman. 132,390; renewed June 22, 1940.
Compacts, creams, facial packs, etc. Tayton Company. 375,492; Feb. 20; Serial No. 423,242; published Nov. 21, 1939.
Compacts, creams, powders, etc. Tayton Company. 375,491; Feb. 20; Serial No. 423,241; published Nov. 28, 1939.
Compound for the treatment of diseases of the mouth, gums, and teeth. L. Harris. 375,481; Feb. 20; Serial No. 423,057; published Nov. 28, 1939.
Compounds for treating materials. Continental Sales Corporation. 375,382; Feb. 20; Serial No. 409,084; published Dec. 5, 1939.
Compounds which, when combined, cause refrigeration Two chemical powder. Canned Cold Chemical Corporation. 375,403; Feb. 20; Serial No. 416,995; published Dec. 5, 1939.
Cream, Cold. Physicians and Hospitals Supply Company. 375,380; Feb. 20; Serial No. 407,557; published Aug. 23, 1938.
Cream for the human skin. Margaret Brainard, Inc. 375,426; Feb. 20; Serial No. 421,024; published Nov. 21, 1939.
Cream for the human skin. Margaret Brainard, Inc. 375,440; Feb. 20; Serial No. 421,596; published Nov. 21, 1939.
Creams and preparations for the treatment of the skin, Face. Taco Products, Inc. 375,599; Feb. 20; Serial No. 424,789; published Dec. 5, 1939.
Crystals, Moth. D. Blum & Co. 375,503; Feb. 20; Serial No. 423,488; published Nov. 21, 1939.
Deodorant for men. International Cellucotton Products Company. 375,522; Feb. 20; Serial No. 423,759; published Nov. 28, 1939.
Dicalcium phosphate, calcium gluconate, and vitamin D, Combination of. Winthrop Chemical Company. 375,582; Feb. 20; Serial No. 424,508; published Dec. 5, 1939.
Dyes and dyestuffs. General Dyestuff Corporation. 375,584; Feb. 20; Serial No. 424,516; published Dec. 5, 1939.
Effervescent tablets. Medico Chemical Corporation of America. 375,579–81; Feb. 20; Serial Nos. 424,484–6; published Dec. 12, 1939.
Fuel, Liquid gas. Lang & Rodkey. 375,441; Feb. 20; Serial No. 421,661; published Dec. 5, 1939.
Fungicide, Copper. Tennessee Copper Company. 375,435; Feb. 20; Serial No. 421,212; published Dec. 5, 1939.
Hair dressing. R. O. Sawyer. 375,483; Feb. 20; Serial No. 423,116; published Nov. 28, 1939.
Insecticide. J. J. Aner. 375,524; Feb. 20; Serial No. 423,785; published Nov. 28, 1939.
Lipsticks. Clark-Millner Co. 375,412; Feb. 20; Serial No. 418,963; published Nov. 21, 1939.
Lipsticks. Lucien Lelong, Inc. 375,537; Feb. 20; Serial No. 423,880; published Nov. 28, 1939.
Lipsticks. Parfums Charbert, Inc. 375,549; Feb. 20; Serial No. 424,015; published Dec. 5, 1939.
Lotion, deodorant, talcum powder, etc., After shaving. A. D. McKelvy. 375,518; Feb. 20; Serial No. 423,705; published December 12, 1939.
Lotion, Foot. General Pharmacal Company. 375,528; Feb. 20; Serial No. 423,806; published Dec. 5, 1939.
Medicated confections. Baymax Syndicate. 375,420; Feb. 20; Serial No. 420,083; published July 18, 1939.
Medicinal compound. Schieffelin & Company. 132,514; renewed June 22, 1940.
Medicinal preparation. Amfre Drug Co. 375,546; Feb. 20; Serial No. 423,995; published Nov. 21, 1939.
Medicinal preparation. Nyal Company. 375,568; Feb. 20; Serial No. 424,363; published Dec. 5, 1939.

Medicinal preparation. W. B. Parr, Jr. 375,517; Feb. 20; Serial No. 423,675; published Dec. 12, 1939.
Medicinal remedies and toilet preparations. Blumauer-Frank Drug Company. 129,623; renewed Mar. 9, 1940.
Medicinal tablets, Chocolate-coated compressed. R. C. White. 375,467; Feb. 20; Serial No. 422,763; published Nov. 21, 1939.
Medicinal tablets, Sugar-coated white compressed. R. C. White. 375,468; Feb. 20; Serial No. 422,764; published Nov. 28, 1939.
Medicine. Curry Laboratory. 375,527; Feb. 20; Serial No. 423,801; published Dec. 5, 1939.
Medicines and pharmaceutical preparations. H. A. Metz. 132,743; renewed June 29, 1940.
Mouth wash. S. Rubin. 375,489; Feb. 20; Serial No. 423,233; published Nov. 28, 1939.
Nerve tonic. V. F. Kay. 375,572; Feb. 20; Serial No. 424,397; published Dec. 12, 1939.
Nose drops. C. A. Emerson. 375,471; Feb. 20; Serial No. 422,813; published Nov. 28, 1939.
Ointment. Edgar B. Clark and Costas Venetis. 375,496; Feb. 20; Serial No. 423,370; published Dec. 12, 1939.
Perfume. S. C. Ghose. 375,454; Feb. 20; Serial No. 422,245; published Dec. 5, 1939.
Perfume. Irresistible, Inc. 375,542; Feb. 20; Serial No. 423,954; published Nov. 21, 1939.
Perfume. Nyal Company. 375,600–1; Feb. 20; Serial Nos. 424,819–20; published Dec. 5, 1939.
Perfume, toilet water, face lotion, etc. Colgate-Palmolive-Peet Company. 375,578; Feb. 20; Serial No. 424,468; published Dec. 5, 1939.
Perfumes and toilet waters. H. A. & E. Smith, Limited. 375,532; Feb. 20; Serial No. 423,837; published Nov. 28, 1939.
Perfumes, face powders, creams for the skin, etc. J. M. Pando. 375,461; Feb. 20; Serial No. 422,408; published Nov. 28, 1939.
Pharmaceutical preparation, Antispasmodic-sedative. Charles C. Haskell & Co. 375,541; Feb. 20; Serial No. 423,948; published Dec. 5, 1939.
Powder, talc, body talc, etc., Talcum. G. Sorino. 375,501; Feb. 20; Serial No. 423,443; published Dec. 5, 1939.
Powder, toilet water, etc., Face and dusting. Coty, Inc. 375,592; Feb. 20; Serial No. 424,683; published Dec. 5, 1939.
Preparation for prophylaxis and treatment of diseases of the vagina and cervix. John Wyeth & Brother, Incorporated. 375,554; Feb. 20; Serial No. 424,072; published Dec. 12, 1939.
Preparatiton for the treatment of certain named ailments. S. D. Van Sickle Estate. 132,848; renewed June 29, 1940.
Preparation for the treatment of intestinal strongylosis in horses. Winthrop Chemical Company. 375,485; Feb. 20; Serial No. 423,148; published Nov. 21, 1939.
Preparation for use in oral treatment of estrogenic deficiencies. Parke, Davis & Company. 375,448; Feb. 20; Serial No. 421,899; published Nov. 21, 1939.
Preparation for use in the treatment of certain cases of epilepsy. Parke, Davis & Company. 375,445; Feb. 20. Serial No. 421,896; published Nov. 21, 1939.
Preparation for use in the treatment of various conditions of pain and discomfort. Parke, Davis & Company. 375,446–7; Feb. 20; Serial No. 421,897–8; published Nov. 21, 1939.
Preparation for use in the treatment of various types of biliary disturbances, etc. Parke, Davis & Company. 375,444; Feb. 20; Serial No. 421,895; published Nov. 21, 1939.
Preparation for use in the treatment of vitamin B deficiencies, etc. Parke, Davis & Company. 375,443; Feb. 20; Serial No. 421,894; published Nov. 21, 1939.
Preparation used in the treatment of chapped hands and the like. C. P. Brown. 375,567; Feb. 20; Serial No. 424,342; published Dec. 5, 1939.
Preparation used in the treatment of sea sickness. M. B. McBride. 375,386; Feb. 20; Serial No. 410,599; published Nov. 21, 1939.
Preparation used in the treatment of vitamin B deficiency conditions. Fulcom Laboratories, Inc. 375,534; Feb. 20; Serial No. 423,880; published Dec. 5, 1939.
Preparations having alterative, antiseptic, etc. properties. Lydia E. Pinkham Medicine Company. 375,558; Feb. 20; Serial No. 424,101; published Dec. 12, 1939.
Preparations for use as antiseptics, for use as vaso-constrictors, etc. Sharpe & Dohme, Incorporated. 375,508; Feb. 20; Serial No. 423,575; published Nov. 21, 1939.
Products containing various kinds of vitamins. Eli Lilly and Company. 375,557; Feb. 20; Serial No. 424,095; published Dec. 12, 1939.
Products for improving the combustion of fuels and the elimination or the reduction of waste products, soot, etc. Triple E Products, Inc. 375,465; Feb. 20; Serial No. 422,721; published Nov. 28, 1939.
Products increasing the calorific power of lignites, charcoals, etc., and binders for briquetting lignites, etc. G. P. Lourmas and D. K. Kyriacopoulo; 375,388; Feb. 20; Serial No. 411,001; published Dec. 12, 1939.
Quinin ethyl carbonate. Takamine Laboratory Inc. 132,830; renewed June 29, 1940.
Run-resisting compound. R. S. Willard. 375,596; Feb. 20; Serial No. 424,747; published Dec. 5, 1939.
Saccharin and saccharates. E. M. Markovits. 375,416; Feb. 20; Serial No. 419,727; published July 18, 1939.
Salts and liquids, Meat curing. Preservaline Manufacturing Co. 375,519; Feb. 20; Serial No. 423,739; published Nov. 28, 1939.
Sedative. V. F. Kay. 375,573; Feb. 20; Serial No. 424,398; published Dec. 5, 1939.
Sedative, expectorant, and bronchial medicament. Sharp & Dohme, Incorporated. 375,562; Feb. 20; Serial No. 424,181; published Dec. 12, 1939.
Soda, Caustic. Solvay Process Company. 375,563; Feb. 20; Serial No. 424,183; published Dec. 5, 1939.
Solvent, Emulsifying and scouring. Curran Corporation. 375,507; Feb. 20; Serial No. 423,522; published Nov. 21, 1939.
Spray, Insect or fly. Krom Laboratories, Inc. 375,381; Feb. 20; Serial No. 409,473; published Nov. 22, 1939.
Tablets for use as a laxative, Olive colored. Olive Tablet Company. 375,466; Feb. 20; Serial No. 422,756; published Dec. 12, 1939.
Tanning extracts and substances. Campos y Quebrachales Puerto Sastre S. A. 375,413; Feb. 20; Serial No. 419,072; published Dec. 12, 1939.
Tea, Medicinal herb. A. Osborn. 375,500; Feb. 20; Serial No. 423,436; published Nov. 28, 1939.
Throat lubricant. J. B. Costello. 375,449; Feb. 20; Serial No. 422,041; published Dec. 5, 1939.
Throat tablets, Prophylactic antiseptic. R. C. White. 375,469; Feb. 20; Serial No. 422,766; published Nov. 21, 1939.
Toilet preparation. L. Foster. 375,641; Feb. 20.
Tonic and worming preparation. L. & S. Hog Tonic Co. 375,602; Feb. 20; Serial No. 424,853; published Dec. 5, 1939.
Tonic containing Iron. Wm. S. Merrell Company. 375,494; Feb. 20; Serial No. 423,309; published Nov. 21, 1939.
Tooth paste. Wilson Chemical Company. 375,464; Feb. 20; Serial No. 422,645; published Nov. 21, 1939.
Vials of narcotic, vitamin and hormone preparations, Series of. Parke, Davis & Company. 375,423; Feb. 20; Serial No. 420,686; published Dec. 5, 1939.
Vitamin capsules. Wm. S. Merrell Company. 375,559; Feb. 20; Serial No. 424,136; published Dec. 12, 1939.
Vitamin E preparation. Winthrop Chemical Company. 375,543; Feb. 20; Serial No. 423,962; published Dec. 12, 1939.
Wave solution, rubbing alcohol, sulphur, etc. P. H. Lehmann. 375,436; Feb. 20; Serial No. 421,244; published Dec. 12, 1939.
Wax compositions and wax emulsions, Emulsifiable. Socony-Vacuum Oil Company. 375,533; Feb. 20; Serial No. 423,865; published Dec. 5, 1939.
Yeast tablets containing vitamin D. National Institute of Nutrition. 375,590; Feb. 20; Serial No. 424,626; published Dec. 5, 1939.

CLASS 11

Carbon paper. Nelson-Eismann Company. 375,576; Feb. 20; Serial No. 424,435; published Dec. 12, 1939.
Typewriter ribbon and carbon paper. Underwood Elliott Fisher Company. 375,408; Feb. 20; Serial No. 417,943; published Dec. 12, 1939.

CLASS 13

Chains, Power-transmission or drive. Baldwin Chain and Manufacturing Company. 133,210; renewed July 20, 1940.
Cookers, skillets, sauce pans, etc., Pressure. National Pressure Cooker Company. 375,636; Feb. 20.
Faucets, cocks, plumbing and steamfitting valves, etc. S. Kersten. 375,609; Feb. 20.

CLASS 14

Metal strips and machinery castings. Macklanburg-Duncan Company. 375,378; Feb. 20; Serial No. 406,932; published Dec. 12, 1939.

CLASS 15

Oil, Lubricating. F. P. Symonds. 132,829; renewed June 29, 1940.

CLASS 16

Paint, Ready-mixed. Barrett Company. 128,929; renewed Jan. 20, 1940.

CLASS 17

Tobacco, Smoking. Colonial Tobacco Co. 375,644; Feb. 20.

CLASS 19

Heaters using hot fluids from the engine, Automobile hot water. General Tire & Rubber Company. 375,402; Feb. 20; Serial No. 416,898; published May 16, 1939.
Boats, Pedal. Pedal Boat Company of America, Inc. 375,632; Feb. 20.

CLASS 21

Antennas and parts thereof. Zenith Radio Corporation. 375,392; Feb. 20; Serial No. 413,463; published Dec. 12, 1939.
Antennas and parts thereof. Zenith Radio Corporation. 375,395; Feb. 20; Serial No. 414,418; published Dec. 12, 1939.

Antennas and parts thereof. Zenith Radio Corporation. 375,398; Feb. 20; Serial No. 414,419; published Dec. 12, 1939.
Antennas, Loop. Diamond Wire & Cable Co. 375,598; Feb. 20; Serial No. 424,766; published Dec. 12, 1939.
Batteries, electrical mine-lamps, and magnetos. Witherbee Igniter Company. 133,096; renewed July 6, 1940.
Irons, Electric. J. E. Smith. 375,376; Feb. 20; Serial No. 401,405; published Oct. 18, 1938.
Lighting units. Grand Rapids Store Equipment Company. 375,453; Feb. 20; Serial No. 422,207; published Dec. 12, 1939.
Signs, Electric. W. P. White. 375,498; Feb. 20; Serial No. 423,393; published Dec. 12, 1939.
Switches, Thermostatically-operated electric. American Fire Prevention Bureau, Inc. 131,397; renewed May 18, 1940.

CLASS 22

Golf clubs. Spalding Sales Corporation. 375,642; Feb. 20.
Swimming or bathing devices. Regina Swimming Devices Co. 127,483; renewed Nov. 11, 1939.
Tennis and badminton rackets. C. A. Thompson. 375,626; Feb. 20.

CLASS 23

Bottle-washing machines. Geo. J. Meyer Manufacturing Co. 133,164; renewed July 13, 1940.
Choppers, combination meat and food cutters, etc., Food. Griswold Manufacturing Company. 133,135; renewed July 13, 1940.
Cutlery, machinery, and tools, and parts thereof. National Equipment Company. 133,169; renewed July 13, 1940.
Driving tapes for spindles, Fabric. R. W. Cutler. 375,406; Feb. 20; Serial No. 417,748; published Dec. 12, 1939.
Insecticide devices. Hoover Company. 375,387; Feb. 20; Serial No. 410,906; published Dec. 12, 1939.
Lathes. American Tool Works Company. 375,509; Feb. 20; Serial No. 423,589; published Dec. 12, 1939.
Presses, etching kits, etching plates, etc., Etching. Etchcrafters of America, Inc. 375,409; Feb. 20; Serial No. 418,516; published Dec. 12, 1939.
Razor blades. Fermin & Ricardo Gomez & Company. 375,597; Feb. 20; Serial No. 424,750; published Dec. 12, 1939.
Razors and electrically operated instruments for shaving and for removing hair from the body, Safety. Gillette Safety Razor Company. 375,589; Feb. 20; Serial No. 424,583; published Dec. 12, 1939.
Typewriting-machines. Underwood Typewriter Company. 131,645; renewed May 18, 1940.

CLASS 24

Dry cleaning apparatus. Butler Manufacturing Company. 375,588; Feb. 20; Serial No. 424,575; published Nov. 28, 1939.
Washing machines, Laundry. Henrici Laundry Machinery Company. 375,556; Feb. 20; Serial No. 424,088; published Nov. 21, 1939.

CLASS 26

Meters, Electrical. Triplett Electrical Instrument Company. 375,479; Feb. 20; Serial No. 423,015; published Dec. 12, 1939.
Switches, Thermostatically-controlled electric. Iron Fireman Manufacturing Company. 375,397; Feb. 20; Serial No. 415,294; published May 30, 1939.
X-ray tubes, apparatus and supplies. C. H. F. Muller Aktiengesellschaft. 375,511; Feb. 20; Serial No. 423,606; published Dec. 12, 1939.

CLASS 28

Brooches, pins, buckles, etc. Rice-Weiner & Co. 375,634; Feb. 20.
Necklaces and bracelets, finger rings, etc. Cohn & Rosenberger, Inc. 375,627; Feb. 20.

CLASS 29

Brooms, brushes, and mops. Geor. A. Fink Co. 132,939; renewed July 6, 1940.
Brooms, Whisk. Herman Cohn Leather Goods Company. 375,630; Feb. 20.
Toothbrushes. M. Levy. 132,990; renewed July 6, 1940.

CLASS 30

Florists' supplies. U. S. Merchandise Corporation. 375,417; Feb. 20; Serial No. 419,740; published Dec. 12, 1939.

CLASS 31

Refrigeration apparatus and bottle coolers. A. C. Hughes. 375,608; Feb. 20.
Refrigerators. Coolerator Company. 375,371; Feb. 20; Serial No. 385,881; published Jan. 12, 1937.

CLASS 32

Cases and racks, Display. E. J. Gardner. 375,638; Feb. 20.
Chairs, stools, folding chairs, etc., Camp. C. Glantz. 128,984; renewed Jan. 20, 1940.
Sofas and chairs, studio couches, etc., Upholstered. J. B. Van Sciver Co. 375,637; Feb. 20.

CLASS 33

Crystals and glasses, Dial. Germanow-Simon Machine Co. 375,631; Feb. 20.
Glass tubing. General Scientific Corporation. 375,458; Feb. 20; Serial No. 422,323; published Dec. 12, 1939.

CLASS 34

Castings, Metal. Driver-Harris Company. 132,667; renewed June 29, 1940.
Machines for cutting and welding metal. Air Reduction Sales Company. 375,480; Feb. 20; Serial No. 423,021; published Dec. 12, 1939.
Stokers. Northern Steel & Stoker Corp. 375,565; Feb. 20; Serial No. 424,242; published Dec. 12, 1939.

CLASS 35

Tires and inner tubes. A. V. Swanson. 375,647; Feb. 20.
Tires for vehicles, Rubber. United States Rubber Company. 375,624; Feb. 20.
Tires for vehicles, Rubber. United States Rubber Company. 375,629; Feb. 20.

CLASS 36

Machines for making phonograph records, machines for recording sound on phonograph blanks, etc. Universal Microphone Co. 375,591; Feb. 20; Serial No. 424,631; published Dec. 12, 1939.
Wind instrument, Nasal wind. Fred Gretsch Manufacturing Co. 375,594; Feb. 20; Serial No. 424,687; published Dec. 12, 1939.

CLASS 37

Albums. A. A. Ainsworth. 375,645; Feb. 20.
Paper and stationery. Central Ohio Paper Company. 132,107; renewed June 15, 1940.
Paper and stationery. Strathmore Paper Company. 132,827; renewed June 29, 1940.
Paper, Tracing. Dieterich-Post Co. 375,649; Feb. 20.
Paper, Waxed. J. C. E. Glass. 375,606; Feb. 20.
Papers, Waxed, oiled, heat-sealing, etc. Kellogg Company. 375,400; Feb. 20; Serial No. 415,898; published Dec. 12, 1939.
Records, record holders, blank and printed cards, etc. Remington Rand Inc. 375,372; Feb. 20; Serial No. 390,866; published June 1, 1937.

CLASS 38

Sheets containing illustrations and descriptive matter, Printed. National Geographic Society. 133,170; renewed July 13, 1940.

CLASS 39

Apparel and furnishings, Wearing. Robert Reis & Co. 375,538–9; Feb. 20; Serial Nos. 423,895–6; published Nov. 28, 1939.
Apparel, Wearing. Maas Brothers, Inc. 375,611; Feb. 20.
Aprons, leg aprons, breeches, etc. Wirk Garment Corporation. 375,639; Feb. 20.
Bands, Sweat. Drueding Brothers Company. 375,521; Feb. 20; Serial No. 423,756; published Nov. 21, 1939.
Belts. Brooklyn Belt Company. 375,439; Feb. 20; Serial No. 421,562; published Nov. 7, 1939.
Belts, Apparel. August Krazeise, Inc. 375,620; Feb. 20.
Belts for personal wear. A. Stein & Company. 375,612; Feb. 20.
Boots and shoes. Musebeck Shoe Company. 375,512; Feb. 20; Serial No. 423,607; published Nov. 14, 1939.
Boots and shoes, Leather. Knipe Bros., Inc. 131,789; renewed May 25, 1940.
Braces, garters, and apparel belts. Hickok Manufacturing Company. 375,493; Feb. 20; Serial No. 423,266; published Nov. 14, 1939.
Brassière combination-undergarments and undergarments. Warner Brothers Company. 133,087; renewed July 6, 1940.
Brassières, corsets, and underwear. Blackton-Fifth Avenue, Ltd. 375,456; Feb. 20; Serial No. 422,270; published Nov. 28, 1939.
Breeches. Union Manufacturing Company. 375,613; Feb. 20.
Clothing. B. V. D. Corporation. 375,390; Feb. 20; Serial No. 413,294; published Dec. 12, 1939.
Dresses, hats, underwear, etc. Mother and Daughter Stores, Inc. 375,615; Feb. 20.
Footwear. I. Feldstein. 375,621; Feb. 20.
Furnishing goods, hosiery, and notions. Shushan Bros. & Co. 133,040; renewed July 6, 1940.
Garments, and hats, Women's outer. John T. Shayne & Co. 375,460; Feb. 20; Serial No. 422,381; published Nov. 14, 1939.
Garments, Outer. Cohen, Goldman & Co. 132,912; renewed July 6, 1940.
Garments, undergarments, bathing caps, etc., Foundation. I. B. Kleinert Rubber Company. 375,477; Feb. 20; Serial No. 423,000; published Nov. 14, 1939.
Girdles and corsets, Reducing. I. B. Kleinert Rubber Company. 375,605; Feb. 20.
Girdles, corsets and brassières, etc. Artistic Foundations, Inc. 375,525; Feb. 20; Serial No. 423,786; published Nov. 21, 1939.
Gloves. Louis Meyers & Son, Inc. 375,422; Feb. 20; Serial No. 420,591; published Oct. 31, 1939.
Gloves, Ladies'. Julius Kayser & Co. 375,407; Feb 20; Serial No. 417,841; published Nov. 21, 1939.

Gloves, Leather. L. Diamond. 375,415; Feb. 20; Serial No. 419,334; published Dec. 12, 1939.
Gloves, Leather. Hansen Glove Corporation. 375,504; Feb. 20; Serial No. 423,497; published Nov. 21, 1939.
Handkerchiefs. Hudson Handkerchief Co. 375,473; Feb. 20; Serial No. 422,819; published Nov. 28, 1939.
Hats and shoes. Rodes-Kapier Co. 375,374; Feb. 20; Serial No. 398,062; published Nov. 28, 1939.
Hats, leggings, ski pants, etc. Erd-Marshall Co. 375,646; Feb. 20.
Hats, Men's. New York Mercantile Company. 375,523; Feb. 20; Serial No. 423,774; published Nov. 28, 1939.
Insoles, Leather. Silverite Gutterman Co. 375,635; Feb. 20.
Jackets and coats, Boys'. H. Nieberg. 375,450; Feb. 20; Serial No. 422,102; published Nov. 14, 1939.
Neckties. H. C. Cohn & Co. 375,643; Feb. 20.
Neckties. E. R. Shaw. 375,610; Feb. 20.
Neckties, scarfs, undershirts, etc. C. H. Cox. 375,622; Feb. 20.
Pants and diaper covers, Baby. International Latex Corporation. 375,455; Feb. 20; Serial No. 422,249; published Nov. 28, 1939.
Regalia, Fraternity. Supreme Sanctorum Ancient Mystic Order of Samaritans, Inc. 375,373; Feb. 20; Serial No. 395,688; published Nov. 14, 1939.
Shoes. Barnett Cohen, Inc. 375,482; Feb. 20; Serial No. 423,085; published Nov. 21, 1939.
Shoes. Ideal Shoe Co. 375,463; Feb. 20; Serial No. 422,628; published Nov. 14, 1939.
Shoes. Spalsbury-Steis-Deevers Shoe Company. 375,401; Feb. 20; Serial No. 416,705; published Nov. 21, 1939.
Shoes, B. H. Terhune. 375,475; Feb. 20; Serial No. 422,880; published Nov. 7, 1939.
Shoes and slippers. J. Smith. 375,628; Feb. 20.
Shoes, Children's. Ettelbrick Shoe Company. 375,497; Feb. 20; Serial No. 423,375; published Nov. 21, 1939.
Shoes, Children's Frederick Loeser & Co. 375,616; Feb. 20.
Shoes, hosiery and dresses. Rubenstein Bros. Inc. 375,633; Feb. 20.
Shoes, Ladies. Edison Bros. Stores, Inc. 375,452; Feb. 20; Serial No. 422,202; published Oct. 31, 1939.
Shoes, Ladies'. Pincus & Tobias, Inc. 375,474; Feb. 20; Serial No. 422,864; published Nov. 14, 1939.
Shoes, Ladies' and misses'. Carmo Shoe Manufacturing Company. 375,551–3; Feb. 20; Serial Nos. 424,024–6; published Dec. 12, 1939.
Shoes, slippers, and boots, etc. Miles Shoes, Inc. 375,516; Feb. 20; Serial No. 423,673; published Nov. 28, 1939.
Shoes, Women's. Krischer Rogers & Fischer. 375,450; Feb. 20; Serial No. 422,365; published Oct. 31, 1939.
Slippers, Boudoir. Lansburgh & Bro. 375,530; Feb. 20; Serial No. 423,815; published Nov. 28, 1939.
Soles for shoes, Rubber. Alfred Hale Rubber Company. 375,529; Feb. 20; Serial No. 423,808; published Nov. 21, 1939.
Suits and coats. Schneider, Hoffenberg & Mines, Inc. 375,618–19; Feb. 20.
Suits and overcoats. Sanders A. Levinsohn, Inc. 375,625; Feb. 20.
Suits and overcoats, Men's. Pendle & Rivett Limited. 375,393; Feb. 20; Serial No. 413,521; published Nov. 14, 1939.
Suits, overcoats, top coats, etc. Long Island Outfitting Co. 375,505; Feb. 20; Serial No. 423,503; published Nov. 14, 1939.
Suits, play suits and sweaters, Swim. Gantner & Mattern Company. 375,604; Feb. 20.
Sweaters, nightgowns, gloves, etc. Cavendish Trading Corp. 375,411; Feb. 20; Serial No. 418,563; published Oct. 31, 1939.
Undergarments, aprons, dresses, etc. R. A. Wentzel. 375,545; Feb. 20; Serial No. 423,991; published Dec. 12, 1939.
Underwear, outer shirts, undershirts, etc., Men's. Johnson & Balliet. 375,484; Feb. 20; Serial No. 423,137; published Nov. 21, 1939.

CLASS 40

Forms, Breast. H. A. Austin Company. 375,442; Feb. 20; Serial No. 421,837; published Nov. 14, 1939.
Shields, Dress. I. B. Kleinert Rubber Company. 375,614; Feb. 20.
Straps, Wrist watch. Cowen Bros. 375,499; Feb. 20; Serial No. 423,412; published Dec. 12, 1939.

CLASS 42

Fabric. Lesher, Whitman & Co. 132,729; renewed June 29, 1940.
Silk piece goods. Empire Silk Company. 127,929; renewed Dec. 16, 1939.
Worsteds, tweeds, and woolen goods in the piece. A. D. Juilliard & Co. Inc. 375,607; Feb. 20.

CLASS 44

Adhesive, bandage and foot plaster. Chiropody Supply Headquarters, Inc. 375,583; Feb. 20; Serial No. 424,514; published Dec. 12, 1939.

CLASS 45

Beverages. Southern Beverage Company. 129,083; renewed Jan. 20, 1940.

CLASS 46

Bakery products. National Biscuit Company. 375,595; Feb. 20; Serial No. 424,736; published Dec. 12, 1939.
Biscuits. Alice Dodd & Co. 375,648; Feb. 20.
Canned fish. Sun Harbor Packing Corporation. 375,587; Feb. 20; Serial No. 424,564; published Dec. 12, 1939.
Canned protein food. Rural Educational Association. 375,427; Feb. 20; Serial No. 421,055; published Aug. 29, 1939.
Cantaloupes. G. G. Smith. 375,650; Feb. 20.
Cereals, puffed wheat, rice cereals, etc., Chipped wheat breakfast. Beaver Dam Milling Co. 375,377; Feb. 20; Serial No. 401,466; published Dec. 12, 1939.
Cheese. P. Messinger. 375,586; Feb. 20; Serial No. 424,550; published Dec. 12, 1939.
Eggs. Monark Egg Corporation. 375,421; Feb. 20; Serial No. 420,257; published Dec. 12, 1939.
Food drink. Enrich Products Co. 375,566; Feb. 20; Serial No. 424,263; published Dec. 12, 1939.
Food products. H. H. Crouthamel. 375,593; Feb. 20; Serial No. 424,684; published Dec. 12, 1939.
Frankfurters. Adolf Gobel, Inc. 375,472; Feb. 20; Serial No. 422,818; published Dec. 12, 1939.
Fruits, fresh berries, etc., Fresh citrus and deciduous. American Fruit Growers Incorporated. 375,506; Feb. 20; Serial No. 423,519; published Dec. 12, 1939.
Ice cream cones. Illinois Baking Corporation. 375,640; Feb. 20.
Ice cream, sherbets, ices. Mayflower Ice Cream Company. 375,437; Feb. 20; Serial No. 421,313; published Dec. 12, 1939.
Lard substitute. Hodgson Oil Refining Company. 133,261; renewed July 20, 1940.
Meat scrap for poultry and bone meal for hogs, dogs, and poultry. Maurer Manufacturing Company. 375,418; Feb. 20; Serial No. 419,742; published Dec. 12, 1939.
Meat substitute. Loma Linda Food Company. 375,425; Feb. 20; Serial No. 420,959; published Sept. 12, 1939.
Oils of cotton-seed or the like for food purposes and chocolates. Jules Weber, Inc. 132,858; renewed June 29, 1940.
Olives. La Manna, Azema & Farnan, Inc. 375,419; Feb. 20; Serial No. 420,010; published Dec. 12, 1939.
Pie crust mixture and pure vegetable shortening. Capital City Products Company. 375,561; Feb. 20; Serial No. 424,156; published Dec. 12, 1939.
Popcorn, Caramel-coated. Confections, Inc. 375,424; Feb. 20; Serial No. 420,713; published Sept. 26, 1939.
Popcorn, Raw. American Pop Corn Company. 375,389; Feb. 20; Serial No. 411,202; published Nov. 22, 1938.
Potatoes. Weyl-Zuckerman & Co. 375,384; Feb. 20; Serial No. 410,102; published Dec. 12, 1939.
Salad dressing. Witwer Grocer Company. 375,570; Feb. 20; Serial No. 424,379; published Dec. 12, 1939.
Sandwiches. C. Baer. 375,379; Feb. 20; Serial No. 407,415; published Dec. 12, 1939.
Sandwiches, Peanut butter. Lance Packing Company. 375,385; Feb. 20; Serial No. 410,591; published Dec. 6, 1938.
Shortening and frying medium. Aspegren & Co. 131,026; renewed May 4, 1940.
Shrimp, Fresh frozen. Joe Grasso & Son. 375,514; Feb. 20; Serial No. 423,630; published Dec. 12, 1939.
Syrup, Waffle. Corn Products Refining Company. 375,451; Feb. 20; Serial No. 422,126; published Dec. 12, 1939.
Tea. Chase & Sanborn. 129,307; renewed Feb. 10, 1940.
Vegetables and fruits, Fresh. G. E. Dormann. 375,651; Feb. 20.
Vegetables, Fresh. Wm. C. Ferguson & Co. 375,457; Feb. 20; Serial No. 422,278; published Dec. 12, 1939.
Yoghurt containing fruit and fruit flavorings. Yogfruit Limited. 375,404; Feb. 20; Serial No. 417,155; published Dec. 12, 1939.

CLASS 47

Wines. H. L. Arnold. 375,577; Feb. 20; Serial No. 424,458; published Dec. 12, 1939.

CLASS 48

Beer. Bloom & Klein Inc. 375,399; Feb. 20; Serial No. 414,619; published Mar. 21, 1939.

CLASS 49

Rum. Barcelo, Marques & Company. 375,383; Feb. 20; Serial No. 409,833; published Oct. 18, 1938.
Whiskey. Wilson Distilling Company. 375,623; Feb. 20.
Whiskey. Alexander Young Distilling Company. 375,603; Feb. 20; Serial No. 425,176; published Dec. 12, 1939.
Whiskey, gin, rum, etc. Jas. E. Pepper & Company. 375,410; Feb. 20; Serial No. 418,531; published Dec. 12, 1939.
Whiskey, gin, rum, etc. United Distillers (of America) Ltd. 375,391; Feb. 20; Serial No. 413,427; published Jan. 24, 1939.

CLASS 50

Imitation leather. Marathon Tire and Rubber Co. 131,182; renewed May 4, 1940.
Waterproofed textile fabric. Duratex Company. 132,362; renewed June 22, 1940.

LIST OF LABELS

Andy Lotshaw All-Purpose Body Rub. For an All-Purpose Body Rub. A. Lotshaw. 54,297; Feb. 20.
Ban-Odor. For a Chloramine Product used as a Disinfectant, Germicide, and Deodorant. A. R. Nord. 54,284; Feb. 20.
Brown Sugar Topped Coffee Cake. For Brown Sugar Topped Coffee Cakes. Ward Baking Company. 54,294; Feb. 20.
Casey Crest. For Candy and Novelty Merchandise. Casey Concession Co. 54,270; Feb. 20.
Charge-Master. For Electrical Instruments for Indicating the Potential of the Battery and Electrical System of an Automotive Vehicle. Anderson Company. 54,267; Feb. 20.
Clean House with Hydro-Pura. For a Soapless Cleaner. Schalk Chemical Co. 54,288; Feb. 20.
Cup Cakes. For Cup Cakes. Ward Baking Company. 54,293; Feb. 20.
Conewango Process Motor Oil. For Motor Oil. Conewango Refining Company. 54,274; Feb. 20.
Delco Hydraulic Shock Absorber Fluid. For Hydraulic Shock Absorber Fluid. General Motors Corporation. 54,279; Feb. 20.
Fine Footwear. For Footwear. A. C. Clayton Printing Company. 54,271–2; Feb. 20.
Frankenmuth Beer. For Beer. Frankenmuth Brewing Company. 54,278; Feb. 20.
Frankenmuth Old English Brand Ale. For Ale. Frankenmuth Brewing Company. 54,277; Feb. 20.
Fruit Cake. For Fruit Cake. Ward Baking Company. 54,292; Feb. 20.
Klondike Formula 48. For an Anti-Freeze for Radiators. F. W. Rohra. 54,287; Feb. 20.
Long's Root Beer. For Root Beer. Long's Root Beer of Philadelphia. 54,281; Feb. 20.
Lord Clive. For a Pipe Mixture or Tobacco. Christian Peper Tobacco Company. 54,283; Feb. 20.
Madame Turmel's Knogray. For a Product for Giving a Most Lasting Color to Gray, Faded or Streaked Hair. Madame Marguerite Turmel, Inc. 54,290; Feb. 20.
Pledge. For Tea Balls. Standard Brands Incorporated. 54,289; Feb. 20.
Priceless Cup. For Coffee with Chicory. North American Coffee Corporation. 54,282; Feb. 20.
Record of the Month Society. For Phonograph Records. W. H. Nussbaum. 54,285; Feb. 20.
Record of the Week Society. For Phonograph Records. W. H. Nussbaum. 54,286; Feb. 20.
Sir Prize. For Candy and Novelty Merchandise. Casey Concession Co. 54,269; Feb. 20.
Soil-S-Gro. For a Chemical Preparation for Making a Solution for Growing Plants Without Soil. W. B. Lodder. 54,280; Feb. 20.
Tarheel Brand Yams. For Flue Cured Yams. W. A. Corbett. 54,275; Feb. 20.
Tulip Country Roll Butter. For Butter. M. Augenblick & Bro., Inc. 54,268; Feb. 20.
Two-State Brand Yams. For Flue Cured Yams. W. A. Corbett. 54,276; Feb. 20.
Ward's Cake—Pastry Ring. For Pastry Rings. Ward Baking Company. 54,295; Feb. 20.
Ward's Cake—Vanilla Filled Turnovers. For Turnovers. Ward Baking Company. 54,296; Feb. 20.
Wash and Clean with Climalene. For an All-Around Cleanser and Water Softener. Climalene Company. 54,273; Feb. 20.
Young Brand. For California Vegetables. G. Young. 54,291; Feb. 20.

LIST OF PRINTS

Girl and Boy Find Brand-New Joy. For a Cereal Food. General Mills, Inc. 17,840; Feb. 20.
Lucky Me! Lace Four-Leaf Clover Hosiery. For Hosiery. S. A. Roth. 17,842; Feb. 20.
Meadows Washer. For Washing Machines. Meadows Corporation. 17,841; Feb. 20.
Significance of the Grocery Order List. For Grocery Order Lists. E. E. De Forest. 17,837; Feb. 20.
Surprise Your Family Tomorrow with this Delicious Streusel-Filled Coffee Cake! For Flour. General Mills Inc. 17,839; Feb. 20.
The Original Emeloid Throat-Lite. For Tongue Depressors Equipped with Tips that Transmit Cold Light for Illuminating the Throat and Mouth. Emeloid Co. 17,838; Feb. 20.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alexander, Lowell M., Cincinnati, Ohio, assignor to Nutone Chimes Inc., New York, N. Y. Musical chime. Re. 21,370; Feb. 20.

Bartholomew, Frank J., Westfield, N. J., assignor to Chemical Construction Corporation, New York, N. Y. Production of SO_3 from acid sludge. Re. 21,357; Feb. 20.

Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)

Bethlehem Steel Company. (See Frear, Hugo P., assignor.)

Chemical Construction Corporation. (See Bartholomew, Frank J., assignor.)

Cooke, Horace B., Alexandria, Va., assignor to Process Management Company, Inc., New York, N. Y. Purifying gases. Re. 21,358; Feb. 20.

Frear, Hugo P., New York, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company. Ship construction. Re. 21,359; Feb. 20.

Freeman, Will. (See Lipman, Carl E. L., assignor.)

Green, Willie D. T., Edinburgh, assignor to The United Wire Works, Limited, Granton, Edinburgh, Scotland. Manufacture of paper maker's wire cloth. Re. 21,360; Feb. 20.

Gunn, Ross, Washington, D. C. Apparatus for the detection of displacements. Re. 21,361; Feb. 20.

Hallock, Robert L., Larchmont, N. Y. Refrigeration. Re. 21,362; Feb. 20.

Knapp-Monarch Company. (See Knapp, Raymond, assignor.)

Knapp, Raymond, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo. Shaving device and motor therefor. Re. 21,363; Feb. 20.

Lindsey, Alfred A., et al. (See Smith, Russell H., assignor.)

Lipman, Carl E. L., Kenilworth, assignor, by mesne assignments, to W. Freeman, Chicago, Ill. Refrigerator. Re. 21,364; Feb. 20.

McCarthy, George L., Rye, and A. Novick, Flushing, N. Y.; said Novick assignor to said McCarthy. Photographing apparatus. Re. 21,365; Feb. 20.

McDaniel, Robert R., et al. (See Smith, Russell H., assignor.)

Novick, Abraham. (See McCarthy, G. L., and Novick.)

Nutone Chimes Inc. (See Alexander, Lowell M., assignor.)

Plensler, Alexander W., assignor to Belmont Radio Corporation, Chicago, Ill. Automatic electrical broadcast and wave selector. Re. 21,366; Feb. 20.

Process Management Company. (See Cooke, Horace B., assignor.)

Ryan, Maurice L., St. Paul, Minn., assignor, by mesne assignments, to Trico Products Corporation. Attachment for windshield wipers. Re. 21,367; Feb. 20.

Smith, Russell H., assignor of one-half to A. A. Lindsey, ten per cent to R. R. McDaniel, and one per cent to E. Stine, Quanah, Tex. Water block or dam forming device. Re. 21,368; Feb. 20.

Stine, Earl, et al. (See Smith, Russell H., assignor.)

Stoddard, Ralph N., East Orange, N. J., and E. H. Vedder, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. Re. 21,369; Feb. 20.

Trico Products Corporation. (See Ryan, Maurice L., assignor.)

United Wire Works, Limited. (See Green, Willie D. T., assignor.)

Vedder, Edwin H. (See Stoddard, R. N., and Vedder.)

Westinghouse Electric & Manufacturing Company. (See Stoddard, R. N., and Vedder, assignors.)

LIST OF DESIGN PATENTEES

Aarons, Joseph, New York, N. Y. Embroidered fabric. 119,116; Feb. 20.

Acme Shear Company, The. (See Guild, Lurelle, assignor.)

Alger, Don L., Avalon, Calif. Game board. 119,032; Feb. 20.

Bandell, Benjamin H., New York, N. Y. Curtain hook. 119,058; Feb. 20.

Barbier, Harry, San Rafael, Calif. Paring knife. 119,059; Feb. 20.

Bauer, Eddie, Seattle, Wash. Jacket. 119,122; Feb. 20.

Blinks Manufacturing Company. (See Tammen, Glenn W., assignor.)

Biva, Lucien, Long Island City, N. Y., assignor to W. E. Roschen, Spring Lake, N. J., A. A. Levy, New York, N. Y., and J. Hastedt, Teaneck, N. J., coexecutors of estate of Otto Timme, deceased, doing business under name and style of E. F. Timme & Son, New York, N. Y. Rug. 119,110; Feb. 20.

Bolser, Clark M., Cedar Falls, Iowa. Fusee dispenser. 119,033; Feb. 20.

Charles, Camille, New York, N. Y. Dress. 119,060; Feb. 20.

Charles, Camille, New York, N. Y. Dress. 119,061; Feb. 20.

Charles, Camille, New York, N. Y. Dress. 119,139; Feb. 20.

Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)

Chindlund, Elmer A., Los Angeles, Calif. Stove. 119,062; Feb. 20.

Dekarski, August, Minneapolis, Minn. Holder for condiments or the like. 119,084; Feb. 20.

Deering Milliken & Co. (See Musson, Stephen P., assignor.)

Dover, Samuel M., Chicago, Ill. Electric lamp unit. 119,085; Feb. 20.

Eastman Kodak Company. (See McCarthy, George L., assignor.)

Etkin, Simon, New York, N. Y. Dress ensemble. 119,140; Feb. 20.

Faden, Sylvia, New York, N. Y. Dress. 119,123; Feb. 20.

Faden, Sylvia, New York, N. Y. Dress ensemble. 119,124; Feb. 20.

Fisher, Samuel L., Butler, Pa. Ashtray. 119,086; Feb. 20.

Ferrer, Armando, Habana, Cuba. Toy. 119,036; Feb. 20.

Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Automotive merchandising service cabinet. 119,063; Feb. 20.

Frankel, Cele, New York, N. Y. Dress. 119,141; Feb. 20.

Freemark, Michael J., Breckenridge, Minn. Combination container for signal flag, fuse, and torpedo. 119,087; Feb. 20.

Frick, Jack E., Muncie, Ind. Toy figure. 119,037; Feb. 20.

Fritz, Theresa M., New York, N. Y. Dress. 119,125; Feb. 20.

Giebel, Henry, New York, N. Y. Lace. 119,117; Feb. 20.

Gill, Gaylord C., assignor to Wolverine Spice Company, Grand Rapids, Mich. Display rack. 119,034; Feb. 20.

Goldenheim, Alexander, New York, N. Y. Textile fabric. 119,111; Feb. 20.

Goldenheim, Alexander, New York, N. Y. Textile fabric. 119,112; Feb. 20.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric heater. 119,064; Feb. 20.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Wringer. 119,065; Feb. 20.

Guild, Lurelle, Darien, assignor to The Acme Shear Company, Bridgeport, Conn. Shears. 119,038; Feb. 20.

Halladay, Stuart C., Franklin, Mass. Rug. 119,126; Feb. 20.

Hastedt, John, et al. (See Biva, Lucien, assignor.)

Heit, Philip, New York, N. Y. Dress ensemble. 119,142; Feb. 20.

Hennessy, John F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Utensil support for a domestic range. 119,039; Feb. 20.

Hoffman, Daniel A., assignor of one-half to F. Ogle, Woodbury, N. J. Edible container. 119,040; Feb. 20.

Jacobson, Mark, New York, N. Y. Dress. 119,127; Feb. 20.

Kay, Elsye, New York, N. Y. Dress ensemble. 119,128; Feb. 20.

Kay, Elsye, New York, N. Y. Dress ensemble. 119,129; Feb. 20.

Kay, Elsye, New York, N. Y. Dress ensemble. 119,130; Feb. 20.

Kleinman, Benjamin, New York, N. Y. Dress. 119,066; Feb. 20.
Kleinman, Benjamin, New York, N. Y. Dress. 119,067; Feb. 20.
Kleinman, Benjamin, New York, N. Y. Textile fabric. 119,118; Feb. 20.
Kronenfeld, Samuel, New York, N. Y. Dress. 119,068; Feb. 20.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 119,069; Feb. 20.
Leach, Walter R., Baltimore, Md. Bottle. 119,088; Feb. 20.
Leach, Walter R., Baltimore, Md. Bottle. 119,089; Feb. 20.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Levy, Albert A., et al. (See Biva, Lucien, assignor.)
Lincoln Engineering Company. (See Fox, A. P., and Reisert, assignors.)
Lindgren, Benjamin L., Renton, Wash. Foot roller. 119,035; Feb. 20.
Macdonald, Charles H., and L. Rackham, San Francisco, assignors to Pacific Brewing & Malting Co., San Jose, Calif. Sign. 119,041; Feb. 20.
Mazola, Christine, New York, N. Y. Dress ensemble. 119,070; Feb. 20.
McCarthy, George L., Rye, assignor to Eastman Kodak Company, Rochester, N. Y. Cabinet or the like. 119,042; Feb. 20.
McFadden, Ross M. (See Whyte, Daniel D., assignor.)
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Lipstick case. 119,043; Feb. 20.
Miele, Aniello, New York, N. Y. Coat. 119,113; Feb. 20.
Miller, Carl H., Los Angeles, Calif. Airplane. 119,071; Feb. 20.
Minkel, William N., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Stocking. 119,131; Feb. 20.
Musson, Stephen B., West Englewood, N. J., assignor to Deering Milliken & Co., Inc., New York, N. Y. Textile fabric. 119,132; Feb. 20.
Naciopoulos, Arthur N. San Francisco, Calif. Garden tool head. 119,044; Feb. 20.
Novak, Syd, Chicago, Ill. Dress. 119,133; Feb. 20.
Novak, Syd, Chicago, Ill. Dress ensemble. 119,134; Feb. 20.
Novak, Syd, Chicago, Ill. Dress ensemble. 119,135; Feb. 20.
Novak, Syd, Chicago, Ill. Dress ensemble. 119,136; Feb. 20.
Novak, Syd, Chicago, Ill. Dress ensemble. 119,137; Feb. 20.
Nu-Dell, Arthur A., assignor to Nu-Dell Manufacturing Co., Inc., Chicago, Ill. Tie rack. 119,045; Feb. 20.
Nu-Dell Manufacturing Co. (See Nu-Dell, Arthur A., assignor.)
Ofshe, Adele, New York, N. Y. Dress. 119,143; Feb. 20.
Ogle, Frank. (See Hoffman, Daniel A., assignor.)
Orloff, Arthur E., New York, N. Y. Display form for haberdashery. 119,046; Feb. 20.
Pacific Brewing & Malting Co. (See Macdonald, C. H., and Rackham, assignors.)
Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Chair. 119,047; Feb. 20.
Page, John H., assignor to The Shaw Walker Company, Muskegon, Mich. Chair. 119,048; Feb. 20.
Pavlicek, Joseph, Montevideo, Minn. Toy. 119,049; Feb. 20.
Pennino, Oreste, New York, N. Y. Pin clip. 119,091; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,092; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,093; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,094; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,095; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,096; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,097; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,098; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,099; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,100; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,101; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,102; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,103; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,104; Feb. 20.
Philippe, Alfred, New York, N. Y. Pin clip. 119,105; Feb. 20.
Phoenix Hosiery Company. (See Minkel, William N., assignor.)
Poster, Sidney J., New York, N. Y. Dress ensemble. 119,119; Feb. 20.
Poster, Sidney J., New York, N. Y. Dress. 119,144; Feb. 20.
Rackham, Leslie. (See Macdonald, C. H., and Rackham.)
Reisert, August D. (See Fox, A. P., and Reisert.)
Ringel, Bernard, New York, N. Y. Dress. 119,072; Feb. 20.
Rochas, Marcel. Paris, France. Sunglasses. 119,073; Feb. 20.
Rocklin, Samuel, Duluth, Minn. Vending cabinet. 119,050; Feb. 20.
Rogers, Thomas L. C., London, Ontario, Canada. Air conditioning unit. 119,051; Feb. 20.
Roper, Geo. D., Corporation. (See Hennessy, John F., assignor.)
Roschen, William E., et al. (See Biva, Lucien, assignor.)
Rosen, Sydelle, New York, N. Y. Dress ensemble. 119,074; Feb. 20.
Rosen, Sydelle, New York, N. Y. Dress ensemble. 119,120; Feb. 20.
Rosen, Sydelle, New York, N. Y. Dress ensemble. 119,145; Feb. 20.
Rosenberg, Eli, New York, N. Y. Handbag. 119,146; Feb. 20.
Rost, Katheryn, New York, N. Y. Dress. 119,075; Feb. 20.
Schenker, Adolph, New York, N. Y. Handbag or the like. 119,147; Feb. 20.
Schenker, Adolph, New York, N. Y. Handbag or the like. 119,148; Feb. 20.
Seidler, William, New York, N. Y. Display rack for neckties or the like. 119,076; Feb. 20.
Shaw-Walker Company, The. (See Page, John H., assignor.)
Sherman, Monroe, New York, N. Y. Wedding ring. 119,052; Feb. 20.
Siegel, Jacob, New York, N. Y. Dress ensemble. 119,077; Feb. 20.
Stimell, Samuel, New York, N. Y. Coat. 119,114; Feb. 20.
Tager, Charles I., New York, N. Y. Stapling machine. 119,078; Feb. 20.
Tammen, Glenn W., assignor to Binks Manufacturing Company, Chicago, Ill. Combined container closure and spray gun unit for coating materials or the like. 119,053; Feb. 20.
Timme, E. F., & Son. (See Biva, Lucien.)
Timme, Otto, Estate of. (See Biva, Lucien, assignor.)
Tint, Mollie, New York, N. Y. Dress. 119,149; Feb. 20.
Tips, Carl A., New York, N. Y. Textile fabric. 119,138; Feb. 20.
Tolmack, Benny B., San Francisco, Calif. Edible food shell. 119,054; Feb. 20.
Tolosi, Mary, New York, N. Y. Dress. 119,079; Feb. 20.
Tolosi, Mary, New York, N. Y. Dress. 119,080; Feb. 20.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 119,106; Feb. 20.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 119,115; Feb. 20.
Vandegrift, William B., Dayton, Ohio. Punch board or similar article. 119,055; Feb. 20.
Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Combined weighing scale and mirror. 119,056; Feb. 20.
Watling Scale Company. (See Watling, Burns S., assignor.)
Weststrang, Thomas, Chicago, Ill. Cooking utensil for eggs, hamburger, pancacks, sandwiches or the like. 119,081; Feb. 20.
Whyte, Daniel D., Brooklyn, N. Y., assignor to R. M. McFadden, Los Angeles, Calif. Barrette. 119,082; Feb. 20.
Wolverine Spice Company. (See Gill, Gaylord C., assignor.)
Wood, Edward L., Detroit, Mich. Coffee maker filter. 119,057; Feb. 20.
Wuyts, Joseph, New York, N. Y. Pin clip. 119,107; Feb. 20.
Wuyts, Joseph, New York, N. Y. Pin clip. 119,108; Feb. 20.
Zahn, Leonard, New York, N. Y. Dress. 119,121; Feb. 20.
Zinn, Joseph, New York, N. Y. Dress. 119,083; Feb. 20.
Zinn, Joseph, New York, N. Y. Dress. 119,090; Feb. 20.
Zinn, Joseph, New York, N. Y. Dress. 119,150; Feb. 20.
Zuckerman, Harry, New York, N. Y. Coat. 119,109; Feb. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abell, Lambert W., Los Angeles, Calif. Game device. 2,191,150; Feb. 20.
Acme Rayon Corporation. (See Huttinger, Charles A., assignor.)
Acree, John F., Denver, and E. F. Rizer and C. M. Walker, Pueblo, Colo. Water hoist. 2,190,968; Feb. 20.
Adair, Thomas D., Quincy, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Apparatus for conditioning air. 2,191,224; Feb. 20.
Adams, William J., Santa Cruz, Calif., assignor, by mesne assignments, to Gar Wood Industries, Inc. Wagon scraper. 2,190,969; Feb. 20.
Air-Maze Corporation. (See Schaaf, A. E., Walton, and Glanzer, assignors.)
Albert, Wilhelm. (See Leitz, L., and Albert.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Disk trimmer. 2,190,758; Feb. 20.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,190,759; Feb. 20.
Allen, William W., assignor to American Coolair Corporation, Jacksonville, Fla. Fan mounting. 2,191,418; Feb. 20.
Allgoewer, Albert. (See Gorbatenko, D. L., and Allgoewer.)
Aluminium Plant & Vessel Company Limited, The. (See Seligman, Richard, assignor.)
American Automatic Devices Co. (See Kovac, Rudolph, assignor.)
American Can Company. (See Perry, Edmond J., assignor.)
American Car and Foundry Company. (See Bitler, W. T., Bower, and McBride, assignors.)
American Car and Foundry Company. (See Brittain, Kenneth W., assignor.)
American Car and Foundry Company. (See McBride, John J., assignor.)
American Car and Foundry Company. (See Pancake, Herman H., assignor.)
American Car and Foundry Company. (See Schroeder, Ernest R., assignor.)
American Car and Foundry Company. (See Udstad, Sigvald F., assignor.)
American Coolair Corporation. (See Allen, William W., assignor.)
American Hyalsol Corporation. (See Butz, Karl, assignor.)
American Machine & Foundry Company. (See Van Veen, Anton, assignor.)
American Optical Company. (See Cutler, F. R., and Peters, assignors.)
American Optical Company. (See Glancy, Anna E., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Tri-Ergon Corporation. (See Vogt, H., Engl, and Massolle, assignors.)
Amery, George, London, England. Fuel injection system for internal-combustion engines. 2,191,186; Feb. 20.
Andersen, Oscar W., Flossmoor, assignor to Pettibone Mulliken Corporation, Chicago, Ill. Railway switch piston and cylinder device. 2,191,246; Feb. 20.
Anderson, Floyd E., assignor to National Sewing Machine Company, Belvidere, Ill. Sewing machine spooler drive release means. 2,190,760; Feb. 20.
Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Railway truck. 2,190,761; Feb. 20.
Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Railway truck. 2,190,762; Feb. 20.
Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Railway truck. 2,190,763; Feb. 20.
Andrews, Joseph F., Memphis, Tenn. Studio couch. 2,190,819; Feb. 20.
Apex Electrical Manufacturing Company, The. (See Holland, Sidney S., assignor.)
Appleton Electric Company. (See Tornblom, Nils A., assignor.)
Arado Flugzeugwerke Gesellschaft mit beschränkter Haftung. (See Rethel, W., Laute, and Mühlberg, assignors.)
Araujo, Armando, Merrick, N. Y. Computing scale. 2,190,640; Feb. 20.
Armour and Company. (See Littlefield, Verne D., assignor.)
Armour & Company. (See Porsche, J. D., and Solms, assignors.)
Armstrong Cork Company. (See Clark, R. R., and Swarr, assignors.)
Arnold, August, Brussels, Belgium, assignor to General Electric Company. Protective arrangement. 2,191,334; Feb. 20.
Arnold, Clara W., Cleveland, Ohio. Curtain and drapery support. 2,190,764; Feb. 20.
Arrow-Hart & Hegeman Electric Company, The. (See Bentley, Robert H., assignor.)
Arcturus Development Company. (See Horn, Clarence A., assignor.)
Ash Products Corporation. (See Ross, Frederick N., assignor.)
Ashendorf, William, Brooklyn, N. Y. Handle replacement for valve stems. 2,191,304; Feb. 20.
Ashlock, George W., Jr., Oakland, Calif. Article loading device. 2,190,970; Feb. 20.
Atwater, Jack M., New York, N. Y. Automobile body construction. 2,191,269; Feb. 20.
Auerhahn, Albert. (See Stadler, R., and Auerhahn.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Automatic Instrument Company. (See Olson, Phillip W., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Avery, W. & T., Limited. (See Binns, Arthur, assignor.)
Bailey, Adrian. (See Greening, Clarence E., assignor.)
Bakelite Corporation. (See Meharg, Virgil E., assignor.)
Baldwin Locomotive Works, The. (See Dinzl, Richard W., assignor.)
Baltimore Development Corporation. (See Barcus, John W., assignor.)
Barber, Forest C., Bartlesville, Okla. Pressure-seated closure. 2,191,066; Feb. 20.
Barclay, McClelland, New York, N. Y. Camouflaging. 2,190,691; Feb. 20.
Barcus, John W., assignor, by mesne assignments, to Baltimore Development Corporation, Baltimore, Md. Flexible driving connection. 2,190,857; Feb. 20.
Barcus, William H. (See Tarbox, L. A., and Barcus.)
Barker, Virgil D., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,190,820; Feb. 20.
Barr, John F., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug with umbrella. 2,190,765; Feb. 20.
Barr, John L. (See Sullivan, Charles J., assignor.)
Barrett Company, The. (See Hamlin, Marston L., assignor.)
Barth, Edwin J., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining. 2,191,089; Feb. 20.
Barth, Edwin J., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining. 2,191,090; Feb. 20.
Bartsch, Henry G. (See Saffir, J. A., and Bartsch.)
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,191,138; Feb. 20.
Bass, Shaller L., S. M. Stoesser, and R. D. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Copolymers of styrene with oiticica oil or its derivatives. 2,190,915; Feb. 20.
Bayer, Otto. (See Petersen, S., Bayer, and Taube.)
Beach, Almeron A., Hobart, N. Y. Paste applying apparatus. 2,191,225; Feb. 20.
Beaman, Townsend F., trustee. (See Snell, Samuel A., assignor.)
Beatty, David E. (See Uecker, R. A., Rambo, and Beatty.)
Beaumont Birch Company. (See Hampton, John H., assignor.)
Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)
Behrens, Herbert C., assignor to Duplex Printing Press Company, Battle Creek, Mich. Printing press fountain. 2,190,929; Feb. 20.
Bell Telephone Laboratories, Incorporated. (See Edson, J. O., and Wilson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hale, S. G., and Owens, assignors.)

Bell Telephone Laboratories, Incorporated. (See Herrington, Harold W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kelsall, G. A., and Nesbitt, assignors.)
Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)
Bendix Aviation Corporation. (See Spengler, Walter J., assignor.)
Bendix Aviation Corporation. (See Tognola, Tullio, assignor.)
Bendix Products Corporation. (See Fowler, Owen H., assignor.)
Bennett, Arthur, San Francisco, Calif. Tape gumming apparatus. 2,190,766; Feb. 20.
Bennett, Arthur F., West Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company. Lubricating device for machine tools. 2,190,858; Feb. 20.
Benson, Ary A., Los Angeles, Calif. Friction disk for multiple disk brakes. 2,190,767; Feb. 20.
Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Three position electric snap switch. 2,191,364; Feb. 20.
Berger, Walter. (See Pier, M., Simon, and Berger.)
Bertrams, Elsa E., assignor to Kabo Corset Co., Chicago, Ill. Foundation garment. 2,190,916; Feb. 20.
Betts, William B., Binghamton, N. Y. Toy. 2,191,305; Feb. 20.
Bibbons, Francis E., assignor to Eli Lilly and Company, Indianapolis, Ind. Suppository. 2,191,139; Feb. 20.
Big Mc's Photosensin Mfg. Inc. (See Sellei, Josef, assignor.)
Binder, John M., New Hyde Park, assignor of one-half to Carvin Bottle Cap Corp., New York, N. Y. Cork rod forming machine and the like. 2,190,859; Feb. 20.
Bingman, Frederick P., Birmingham, assignor to The R. C. Mahon Company, Detroit, Mich. Air cleaner. 2,191,187; Feb. 20.
Binns, Arthur, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Electric switch control means. 2,191,335; Feb. 20.
Bitler, William T., J. R. Bower, and R. P. McBride, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Portable spot-welding machine. 2,190,692; Feb. 20.
Black-Clawson Company, The. (See Staege, Stephen A., assignor.)
Blanchard, Alva G. (See Ellis, J. W., and Davidson, assignors.)
Blum, Harold T., Glenmont, assignor to Brier Hill Corporation, Millersburg, Ohio. Stoker pipe. 2,191,006; Feb. 20.
Blum, Hosmer L., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Flow control apparatus. 2,191,194; Feb. 20.
Blythen, Frank. (See Browne, C. O., and Blythen.)
Boedeker, Anthony, Cincinnati, Ohio. Bottle breaker. 2,190,971; Feb. 20.
Bohmer, Clarence L., and A. E. Davis, assignors to The Jaeger Machine Company, Columbus, Ohio. Water supply and measuring tank for concrete mixers. 2,191,419; Feb. 20.
Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Ratio changing lever mechanism. 2,190,972; Feb. 20.
Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Process in continuous extraction systems of continuously removing from solvent-treated materials, solvents of lower specific gravity. 2,191,255; Feb. 20.
Boomer, George L., assignor to Eastman Kodak Company, Rochester, N. Y. Spreading agent for photographic emulsions. 2,190,645; Feb. 20.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Heater. 2,191,420; Feb. 20.
Boothroyd, Hubert. (See Clarke, T. B., and Boothroyd.)
Borg-Warner Corporation. (See White, Samuel O., assignor.)
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosins and their esters into components. 2,191,306; Feb. 20.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosins and their esters into components. 2,191,307; Feb. 20.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosins and their esters into components. 2,191,308; Feb. 20.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosins and their esters into components. 2,191,309; Feb. 20.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosins and their esters into components. 2,191,310; Feb. 20.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Separation of chemically modified rosins and their esters into components. 2,191,311; Feb. 20.
Boscardin, John M., Hartford, Conn. Smoking pipe. 2,191,165; Feb. 20.
Bower, John R. (See Bitler, W. T., Bower, and McBride.)
Bowman, Oliver S., Colorado Springs, Colo. Furnace for the combustion of lignite and semibituminous coal. 2,190,973; Feb. 20.
Bowser, S. F., & Company. (See Blum, Hosmer L., assignor.)
Boyce, Alfred M., Riverside, Calif., dedicated and assigned to the Government and the People of the United States. Dusting composition. 2,191,421; Feb. 20.
Boyd, Harry, Mercer, Pa. Container for ice cream sundaes. 2,190,930; Feb. 20.
Boyd, Robert, Vancouver, British Columbia, Canada. Purifying sugar juices and solutions. 2,191,365; Feb. 20.
Boynton, Lucius J. (See Christiansen, A. L., and Boynton.)
Bradford, Edward S., Jr., Longmeadow, assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Package for scouring devices. 2,190,693; Feb. 20.
Brandon, Thony E., Bowling Green, Ky. Signaling device. 2,191,247; Feb. 20.
Bransky, David W. (See Brown, A. B., and Bransky.)
Branson, Ellis M., Orlando, Fla. Optical device. 2,190,646; Feb. 20.
Brass, Samuel. (See Worne, Howard, assignor.)
Bray, Ulric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Treating oil. 2,191,091; Feb. 20.
Brett, George F. (See Rust, N. M., and Brett.)
Briar Hill Corporation. (See Blum, Harold T., assignor.)
Brittain, Kenneth W., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car side door and folding skirt arrangement. 2,190,694; Feb. 20.
Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Ethylene dicinnamate. 2,190,917; Feb. 20.
Brooks, Henry M., et al., as trustees. (See Peltz, Gordon M., assignor.)
Broomham, Richard W., assignor to Motor Products Corporation, Detroit, Mich. Bending machine. 2,190,821; Feb. 20.
Brown and Sharpe Manufacturing Company. (See Bennett, Arthur F., assignor.)
Brown, Arthur B., Hammond, Ind., and D. W. Bransky, assignors to Standard Oil Company, Chicago, Ill. Concentrating sulphuric acid. 2,191,195; Feb. 20.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Picker stick check. 2,191,422; Feb. 20.
Brown, Curtis M. (See Smith, F. K., and Brown.)
Brown, Francis H., Ridley Park, assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa. Stoker. 2,190,974; Feb. 20.
Brown, Oliver J., Cincinnati, Ohio. Fountain applicator. 2,190,975; Feb. 20.
Brown, Robert, Johnstown, Pa. Braille slate. 2,190,752; Feb. 20.
Brown, Robert C., Jr. (See Mohun, J. L., Brown, and Test.)
Browne, Cecil O., London, and F. Blythen, Hayes, assignors to Electric & Musical Industries Limited, Middlesex, England. Apparatus for amplifying electrical variations. 2,190,753; Feb. 20.
Browne, Donald B., Harpenden, England, assignor by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,191,423; Feb. 20.
Bruining, Hajo, J. H. de Boer, and M. C. Teves, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Secondary electron emitter and making it. 2,190,695; Feb. 20.
Brune, William A., Orlando, Fla. Brush case. 2,190,696; Feb. 20.
Bryant, C. L., Corporation. (See Bryant, Charles L., assignor.)
Bryant, Charles L., assignor to C. L. Bryant Corporation, Cleveland, Ohio. Heating device. 2,190,768; Feb. 20.
Bryce, John A., assignor to International Ticket Company, Newark, N. J. Ticket book. 2,191,067; Feb. 20.
Buccicone, Dario, and C. M. Shank, Gary, Ind. Roll scraper. 2,191,366; Feb. 20.
Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)
Buicke, Harold C., North Tonawanda, N. Y. Fishhook holder. 2,190,647; Feb. 20.
Bull, Cabot S., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge valve. 2,190,697; Feb. 20.
Burndy Engineering Co. Inc. (See Matthysse, Irving F., assignor.)
Burroughs, George W., Ridgewood, N. Y. Glass cutting machine. 2,190,641; Feb. 20.
Bussey, William V., Greenville, S. C. Collapsible table. 2,191,007; Feb. 20.
Butz, Karl, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del. Washing and cleansing agent and making same. 2,190,769; Feb. 20.
Byland, Hans, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Air conditioning system. 2,190,822; Feb. 20.
California Consumers Corporation. (See Meinzer, Gotthold H., assignor.)

Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Camshaft treating machine. 2,190,931; Feb. 20.
Campbell, George M., Kansas City, Mo. Panel regulating apparatus. 2,190,976; Feb. 20.
Campbell, Lorn, Jr., and A. von Haase, Lakewood, Ohio, assignors, by mesne assignments, to said Campbell, Jr. Mechanical stoker. 2,191,270; Feb. 20.
Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Cannon, George E., Houston, Tex., assignor to Standard Oil Development Company. Drilling fluid for combating heaving shale. 2,191,312; Feb. 20.
Cannon, Phillip D., Bound Brook, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Ironing pad and assembly. 2,191,092; Feb. 20.
Cantrell, Troy L., Lansdowne, Pa., and J. O. Turner, Bartlesville, Okla., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubrication of alloy bearings. 2,190,648; Feb. 20.
Cappel, Curry G., assignor to W. Horace Williams Company, Inc., New Orleans, La. Protecting piles. 2,191,248; Feb. 20.
Caps, Arthur W. (See Landrock, P., and Caps.)
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color film and process. 2,191,038; Feb. 20.
Carbo-Norit Verwaltungs-Gesellschaft m. b. H. (See Wisfeld, Werner, assignor.)
Cardinal, Gerald L., assignor of one-half to J. R. Hinton, Floydada, Tex. Hydraulic water lift. 2,191,424; Feb. 20.
Carew, Paul T., and W. F. Werner, Orange, N. J. Solenoid cryptographic typewriter. 2,190,640; Feb. 20.
Carew, Paul T., and W. F. Werner, Orange, N. J. Double solenoid. 2,190,650; Feb. 20.
Carleton, Horace M., New York, N. Y. Film processing tank. 2,190,754; Feb. 20.
Carlisle, Henry W., Minneapolis, Minn. Storage battery. 2,191,313; Feb. 20.
Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polyamides. 2,190,770; Feb. 20.
Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated product. 2,191,367; Feb. 20.
Carroll, Thomas E., Bronx, N. Y. Threadless lamp socket. 2,191,336; Feb. 20.
Carter, Albert S., Wilmington, Del., and F. B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing monovinylacetylene. 2,191,068; Feb. 20.
Carter Carburetor Corporation. (See Schweiss, Joseph, assignor.)
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Artificial horizon. 2,190,698; Feb. 20.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Making impedance measurements at high radio frequencies. 2,191,271; Feb. 20.
Carvin Bottle Cap Corp. (See Binder, John M., assignor.)
Casey, Francis J. (See Wheeler, William H., assignor.)
Cavanaugh, Daniel J., Holyoke, Mass. Automobile bumper. 2,191,368; Feb. 20.
Celanese Corporation of America. (See Moncrieff, R. W., and Eccles, assignors.)
Celanese Corporation of America. (See Steinberger, Alfred J., assignor.)
Chadima, Lester C., R. C. Ilten, and E. L. Johnson, assignors to Hubbard Ice and Fuel Company, Cedar Rapids, Iowa. Fluid fuel burner. 2,191,272; Feb. 20.
Chambers, Morris B., San Francisco, Calif. Electromagnetic brake. 2,191,188; Feb. 20.
Champion Spark Plug Company. (See Barr, John F., assignor.)
Chandonia, Elmer H., Amelia, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Pan strapping. 2,191,104; Feb. 20.
Chemical Marketing Company Inc. (See Guertler, William, assignor.)
Chenault, Roy L., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Reciprocating fluid motor driven pump. 2,191,369; Feb. 20.
Chenault, Roy L., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for controlling fluids in oil wells. 2,191,370; Feb. 20.
Chester, Bernard B., Kingston, and O. A. Trnka, Saugerties, N. Y. Pinking machine. 2,190,651; Feb. 20.
Chester, Edwin T., et al. (See Foster, James D., assignor.)
Cheves, Samuel A., Hapeville, Ga. Shade-roller bracket. 2,191,008; Feb. 20.
Chisholm-Ryder Company. (See de Back, William, assignor.)
Christiansen, Albert L., Joliet, and L. J. Boynton, Lockport, Ill. Filing book for data cards. 2,191,423; Feb. 20.
Church, Albert E., New Britain, Conn. Wedge type chuck. 2,191,371; Feb. 20.
Ciba Products Corporation. (See Widmer, G., and Fisch, assignors.)
Ciba Products Corporation. (See Widmer, G., Fisch, and Jakl, assignors.)
Cimini, Pasquale L., Buffalo, N. Y. Household cabinet. 2,190,652; Feb. 20.
Cincinnati Grinders Incorporated. (See Trible, Winthrop, assignor.)
Cincinnati Milling Machine Co., The. (See Martellotti, Mario E., assignor.)
Cincinnati Milling Machine Company, The. (See Johansen, Elnar K., assignor.)
Citizens National Trust and Savings Bank of Riverside, et al. executors. (See Parker, George D.)
Clapper, John S., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Mowing implement. 2,191,426; Feb. 20.
Clark, Ernest W., Schenectady, N. Y., assignor to General Electric Company. Melting apparatus. 2,191,337; Feb. 20.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Stabilized mineral oil. 2,191,338; Feb. 20.
Clark, J. L., Manufacturing Co. (See Mills, Wallace C., assignor.)
Clark, Ralph R., and H. G. Swarr, assignors to Armstrong Cork Company, Lancaster, Pa. Making compressed wooden articles. 2,191,069; Feb. 20.
Clarke, John W., Russellville, Ky. Pedal actuated windshield shade. 2,191,009; Feb. 20.
Clarke, Thomas B., and H. Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Splitting machine. 2,190,771; Feb. 20.
Clem, Lester P., Muskogee, Okla. Roasting fork. 2,191,226; Feb. 20.
Cleveland Graphite Bronze Company, The. (See Palm, J. V. O., and Luetkemeyer, assignors.)
Cleveland Welding Company, The. (See Kranz, Harry W., assignor.)
Clifton, Harry G., Miami, Fla. Direction signal switch. 2,190,772; Feb. 20.
Cloud, William S., Wilmette, Ill. Method and apparatus for folding strips of paper and the like. 2,190,823; Feb. 20.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Flow governor for fluid operated pumps. 2,191,093; Feb. 20.
Cohen, Herman. (See Fishbein, F., and Harr, assignors.)
Cohn, Lawrence H. (See Perbal, Albert C., assignor.)
Cohn, Samuel, assignor to Samcoe Holding Corporation, New York, N. Y. Fabric feeding system. 2,190,860; Feb. 20.
Cole, Samuel J., Alameda, Calif. Automatic control for radio apparatus. 2,190,699; Feb. 20.
Collins, Douglas, Salisbury, N. C. Auxiliary steering mechanism. 2,191,125; Feb. 20.
Colt, Samuel S., West Orange, N. J. Spreader for concrete forms. 2,190,700; Feb. 20.
Colt, Samuel S., West Orange, N. J. Form wall sustaining means. 2,190,701; Feb. 20.
Comtec Limited. (See Herzka, Leopold, assignor.)
Condon, Edward T., New York, N. Y. Directional signal device for motor vehicles. 2,190,861; Feb. 20.
Condon, Edward T., New York, N. Y. Directional signal for motor vehicles. 2,190,862; Feb. 20.
Cone, Charles N., assignor to M and M Wood Working Company, Portland, Oreg. Manufacturing plywood. 2,191,070; Feb. 20.
Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Combined connector and switch. 2,191,339; Feb. 20.
Cook, Wallace, assignor to Reliable Electric Company, Chicago, Ill. Aluminum to copper connector. 2,190,824; Feb. 20.
Cooke, Horace B. (See Stevens, D. R., and Cooke.)
Corbière, Paul C. E. J., Lyon, France, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing of cellulose derivatives. 2,190,825; Feb. 20.
Cordeau, Joseph A., et al. (See Vachon, Joseph J., assignor.)
Corel, Victoria G., San Leandro, Calif. Hose supporter. 2,190,932; Feb. 20.
Cornell-Dubilier Corporation. (See Deeley, Paul M., assignor.)
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Boiler. 2,191,427; Feb. 20.
Corrigan, John T., Newport, R. I. Hydraulic transmission mechanism. 2,191,340; Feb. 20.
Corydon, Jeff, and R. Lowe, assignors to Proportioners, Inc., Providence, R. I. Proportioning apparatus. 2,190,933; Feb. 20.
Courtney, Joseph F., Chicago, Ill. Automatic safety switch for vehicles. 2,190,934; Feb. 20.
Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Sorting machine. 2,190,935; Feb. 20.
Crown Cork & Seal Company. (See Person, Thomas F., assignor.)
Curley, Morton B., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Ventilator. 2,191,341; Feb. 20.
Cushman, Joseph W., Oklahoma City, Okla., assignor, by mesne assignments, to Kactus Company, St. Jo, Tex. Treating petroleum oils. 2,191,872; Feb. 20.

Cutler, Fred R., Kansas City, Mo., and C. R. Peters, Salina, Kans., assignors to American Optical Company, Southbridge, Mass. Strap fitting plate. 2,191,105; Feb. 20.

Dahlquist, Ernest L., Auburn, Iowa. Holder for screws. 2,191,010; Feb. 20.

Daines, Robert H., Jr., Highland Park, assignor to Endowment Foundation, New Brunswick, N. J. Parasiticide and preparing same. 2,190,702; Feb. 20.

Dalby, Gaston. (See Hoffman, C., Dalby, and Schweitzer.)

Dance, William H., Cambridge, Mass. Road sanding machine. 2,190,863; Feb. 20.

Dankanyin, Michael, Perth Amboy, N. J. Photograph frame. 2,191,373; Feb. 20.

Davidson, Walter J. (See Ellis, J. W., and Davidson.)

Davies, O. N., trustee. (See Dunn, Andrew C., assignor.)

Davis, Arthur E. (See Bohmer, C. I., and Davis.)

Davis, Clyde O., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Perchlorate explosive. 2,190,703; Feb. 20.

Davis, Willard A., Providence, R. I., assignor to S. & B. Lederer Company. Wrist watch strap construction. 2,191,314; Feb. 20.

Dawes, Robert T., Hudson, Mass. Footwear. 2,190,864; Feb. 20.

Dawson, Floyd. (See Smith, J. S., and Dawson.)

De Back, William, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Packing foodstuffs. 2,190,936; Feb. 20.

De Boer, Jan H. (See Bruining, H., de Boer, and Teves.)

Deeley, Paul M., assignor to Cornell-Dubilier Corporation, New York, N. Y. Electrolytic condenser. 2,190,826; Feb. 20.

Deeley, Paul M., assignor to Cornell-Dubilier Corporation, New York, N. Y. Electrolytic condenser. 2,190,827; Feb. 20.

De Guire, Georges A., Ville St. Laurent, near Montreal, Quebec, Canada. Separator. 2,191,190; Feb. 20.

Deitz, Louis S., Jr., Metuchen, N. J., and H. H. Welser, Pleasant Plains, assignors to Nassau Smelting and Refining Company, Incorporated, New York, N. Y. Casting. 2,190,828; Feb. 20.

Demuth, Charles, Jamaica, N. Y. Air conditioning register. 2,190,937; Feb. 20.

Denison, George W., Bay Village, and L. A. Denison, Cleveland Heights, Ohio. Method and apparatus for making bricks. 2,191,106; Feb. 20.

Denison, Leonard A. (See Denison, George W. and L. A.)

Denney, Courtlandt F., Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heater. 2,191,273; Feb. 20.

De Perrot, Ernest, Los Angeles, Calif. Drift indicator. 2,190,977; Feb. 20.

De Seversky, Alexander P., Northport, N. Y., assignor to Seversky Aircraft Corporation. Aircraft wing. 2,191,342; Feb. 20.

Denesha, Floyd G. (See Hicks, Earl J., assignor.)

Deutsche Gold- und Silber Scheideanstalt vormals Roessler. (See Walter, Hans, assignor.)

Deutsche Hydrierwerke Aktiengesellschaft. (See Endres, Rudolf, assignor.)

De Vere, Princhas N. (See Greene, Grover C., assignor.)

Devereaux, William C., Detroit, Mich. Window regulator. 2,190,704; Feb. 20.

Diamond Alkali Company. (See McKenna, James C., assignor.)

Diamond Match Company, The. (See Wright, Charles F., assignor.)

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,190,978; Feb. 20.

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,190,979; Feb. 20.

Dickey, Joseph B. (See McNally, J. G., and Dickey.)

Dickey, Joseph B. (See McNally, J. G., Dickey, and Zugschwerdt.)

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and composition therefor. 2,191,039; Feb. 20.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating process and composition therefor. 2,190,865; Feb. 20.

Dinzl, Richard W., Narberth, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works. Hydraulic press. 2,190,755; Feb. 20.

Ditlow, Max. (See Gorbatenko, D. L., and Allgoewer, assignors.)

Dixon, Henry S., Dorking, England. Collapsible pneumatic structure. 2,191,374; Feb. 20.

Docken, Einar, Ottawa, Ontario, Canada. Animal trap. 2,191,274; Feb. 20.

Dodge, Adiel Y., South Bend, Ind. Hydraulic torque converter. 2,190,830; Feb. 20.

Dodge, Adiel Y., South Bend, Ind. Transmission. 2,190,831; Feb. 20.

Doerfer, John A. (See Keehn, W. R., and Doerfer.)

Dohse, Hans, Heidelberg, and F. Spoun, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bituminous materials. 2,191,295; Feb. 20.

Doll, Anne M. L., administratrix. (See Schlumberger, Conrad.)

Dollstedt, Carl. (See Dollstedt, Werner, and C.)

Dollstedt, Werner, Chicago, Ill., and C. Dollstedt, Gary, Ind. Window screening device. 2,191,166; Feb. 20.

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Elastic fluid turbine condenser arrangement. 2,191,343; Feb. 20.

Dorman, Isidore, Brooklyn, N. Y. Iron cord connection. 2,191,011; Feb. 20.

Dostal, John R., assignor to Sturdy-Bilt Equipment Corporation, Milwaukee, Wis. Bottle washing machine. 2,191,227; Feb. 20.

Douglas Aircraft Company. (See Guerin, Henry E., assignor.)

Dow Chemical Company, The. (See Bass, S. L., Stoesser, and Lowry, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Moyle, assignors.)

Dow Chemical Company, The. (See Fletcher, F. W., Lynn, and Smith, assignors.)

Dow Chemical Company, The. (See Heath, S. B., and Minger, assignor.)

Dow Chemical Company, The. (See Slagh, Harold R., assignor.)

Dow Chemical Company, The. (See Stoesser, S. M., and Gabel, assignors.)

Dowd, Raymond E., Chicago, Ill., assignor to The Russell Manufacturing Company, Middletown, Conn. Buckle. 2,191,228; Feb. 20.

Downing, Frederick B. (See Carter, A. S., and Downing.)

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Rogers, Leonard M., assignor.)

Dreyling, Alfred, South River, and W. W. Lewers, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative emulsions. 2,190,705; Feb. 20.

Driver-Harris Company. (See Kay, William M., assignor.)

Druyvesteyn, Marl J., and T. Jurriaanse, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Mercury cathode discharge tube. 2,191,249; Feb. 20.

Duby, John F., deceased, by M. A. Duby, administratrix, Dorchester, Mass. Indicating instrument. 2,190,866; Feb. 20.

Duby, Mary A., administratrix. (See Duby, John F.)

Dunbar, Howard W., Worcester, and H. S. Indge, Westboro, assignor to Norton Company, Worcester, Mass. Hone. 2,191,256; Feb. 20.

Dunn, Andrew C., Chicago, Ill., assignor to O. N. Davies, trustee, Minneapolis, Minn. Door-controlling means. 2,190,653; Feb. 20.

Dunn, Thomas J., assignor of one-half to L. Hammond, Laurinburg, N. C. Toilet flushing apparatus. 2,190,773; Feb. 20.

Duplex Printing Press Company. (See Behrens, Herbert C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Carter, A. S., and Downing, assignors.)

Du Pont, E. I., de Nemours & Company. (See Corbière, Paul C. E. J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Davis, Clyde O., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dreyling, A., and Lewers, assignors.)

Du Pont, E. I., de Nemours & Company. (See Ellingbroe, E. K., and Salzberg, assignors.)

Du Pont, E. I., de Nemours & Company. (See Graves, George De W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hanson, Victor F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Harmon, Edward F., assignor.)

Du Pont, E. I., de Nemours and Company. (See Harmon, Jesse, assignor.)

Du Pont, E. I., de Nemours & Company. (See Hubbuch, Leo P., assignor.)

Du Pont, E. I., de Nemours & Company. (See Richmond, Joseph L., assignor.)

Du Pont, E. I., de Nemours & Company Inc. (See Stadler, R., and Auerhahn, assignors.)

Du Pont, E. I., de Nemours & Company. (See Williams, I., and Smith, assignors.)

Durkee, James D., assignor to Phillips Petroleum Company, Bartlesville, Okla. Facsimile transmitting and receiving system. 2,191,057; Feb. 20.

Duttera, William S., Lynbrook, N. Y., assignor to Radio Corporation of America. Coaxial conductor system for transmission of electrical power. 2,191,071; Feb. 20.

Dyer, Ernest L., Kansas City, Kans. Release valve. 2,190,980; Feb. 20.

Eastman Kodak Company. (See Boomer, George L., assignor.)

Eastman Kodak Company. (See Capstaff, John G., assignor.)

Eastman Kodak Company. (See Dickey, Joseph B., assignor.)

Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)

Eastman Kodak Company. (See Faw, Wendell G., assignor.)

Eastman Kodak Company. (See Figg, Louis J., Jr., assignor.)

Eastman Kodak Company. (See Figg, L. J., Jr., and Rhea, assignors.)

Eastman Kodak Company. (See Mannes, L. D., and Godowsky, assignors.)

Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)

Eastman Kodak Company. (See McNally, J. G., Dickey, and Zugschwerdt, assignors.)

Eastman Kodak Company. (See Miller, F. C., Wittel, and Lyman, assignors.)

Eastman Kodak Company. (See Nagel, Hugo, assignor.)

Eastman Kodak Company. (See Ort, Carl, assignor.)

Eastman Kodak Company. (See Seymour, Merrill W., assignor.)

Eastman Kodak Company. (See Sheppard, S. E., and Hudson, assignors.)

Eccles, Thomas. (See Moncrieff, R. W., and Eccles.)

Eckersley, Peter P., Chelsea, London, England, assignor to Radio Corporation of America, New York, N. Y. Modulated carrier wave telephony system. 2,190,706; Feb. 20.

Eclipse Lawn Mower Company. (See Roth, Lester B., assignor.)

Edson, James O., Great Kills, and I. G. Wilson, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,191,167; Feb. 20.

Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,190,774; Feb. 20.

Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,190,775; Feb. 20.

Eichhorn, Frank G., assignor to The Lehon Company, Chicago, Ill. Roofing. 2,190,654; Feb. 20.

Electric & Musical Industries Limited. (See Browne, C. O., and Blythen, assignors.)

Electric & Musical Industries Limited. (See Bull, Cabot S., assignor.)

Electric Sorting Machine Company. (See Cox, David C., assignor.)

Electric Traps, Inc. (See Ford, Benjamin F., assignor.)

Electrix Corporation. (See Herman, William P., assignor.)

Ellingboe, Ellsworth K., and P. L. Salzberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter. 2,190,776; Feb. 20.

Elliott, Harold F., Palo Alto, Calif. Preselector and remote control system. 2,190,832; Feb. 20.

Ellis, John W., and W. J. Davidson, assignors to A. G. Blanchard, Shreveport, La. Gauge cock. 2,190,938; Feb. 20.

Emerson, Sam W. (See Jaworowski, Joseph F., assignor.)

Emulsions Process Corporation. (See Torrington, William P., assignor.)

Emulsol Corporation, The. (See Harris, Benjamin R., assignor.)

Endowment Foundation. (See Daines, Robert H., Jr., assignor.)

Endres, Rudolf, Dessau-Rosslau, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Dissolving, softening, and gelatinizing agent. 2,191,428; Feb. 20.

Engelbrecht, Heinz-Joachim. (See Hueter, R., Nue, and Engelbrecht.)

Engl, Josef. (See Vogt, H., Engl, and Massolle.)

Erickson, Charles, and E. Spellman, New York, N. Y. Continuous confection freezing apparatus. 2,191,344; Feb. 20.

Erlenbach, Michael. (See Pfaff, K., and Erlenbach.)

Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Hydraulic system and control. 2,190,939; Feb. 20.

Etchells, Horace L., Jr., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Ignition mixture. 2,190,777; Feb. 20.

Extractol Process, Ltd. (See Bonotto, Michele, assignor.)

Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Hydraulic water control and lock for concrete mixers. 2,191,072; Feb. 20.

Faw, Wendell G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Composition for the treatment of synthetic warp yarns. 2,191,033; Feb. 20.

Felciano, La Verne J., Richmond, Calif. Tent frame for beds. 2,190,867; Feb. 20.

Feldman, Joseph M., New York, N. Y., Portfolio case. 2,190,707; Feb. 20.

Ferguson Brothers Manufacturing Company. (See Hanley, William, assignor.)

Fernandez, Joseph, Newark, N. J. Moving mechanism for pins, brooches, etc. 2,190,778; Feb. 20.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Surface broaching machine. 2,190,642; Feb. 20.

Figg, Louis J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing dimethallyl ether. 2,191,031; Feb. 20.

Figg, Louis J., Jr., and J. W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Denatured alcohol containing a dibutyl ether. 2,191,032; Feb. 20.

Filler, Carl G., Knoxville, Tenn. Distributor. 2,190,655; Feb. 20.

Fink, Fred B., Davenport, Iowa, assignor to Wafi-Berger, Inc., Moline, Ill. Cooking meat and apparatus therefor. 2,191,275; Feb. 20.

Fisch, Willi. (See Widmer, G., and Fisch.)

Fisch, Willi. (See Widmer, G., Fisch, and Jakl.)

Fischel, Eduard, Berlin-Tempelhof, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin Germany. System for the automatic control of airplanes. 2,191,250; Feb. 20.

Fishbein, Fred, and J. Harr, assignors to H. Cohen, Newark, N. J. Rotatively oscillatable hair clipper. 2,191,073; Feb. 20.

Fisher, Bergie L., Martinsville, Va. Noise suppression apparatus for telephones. 2,191,375; Feb. 20.

Fleischer, Joseph, Godfrey Township, Madison County, Ill., assignor to General Motors Corporation, Dayton, Ohio. Refrigerants and methods of transferring heat. 2,191,196; Feb. 20.

Fletcher, Fred W., G. E. Lynn, and F. B. Smith, assignors to The Dow Chemical Company, Midland, Mich. Insecticide. 2,190,656; Feb. 20.

Fogle, Pearl L., Dayton, Ohio. Grade line finder. 2,190,779; Feb. 20.

Food Devices Incorporated. (See Snelling, Henry B. W., assignor.)

Ford, Benjamin, F., assignor to Electric Traps, Inc., Los Angeles, Calif. Exterminating apparatus. 2,191,229; Feb. 20.

Ford, John L., assignor to The Ford Meter Box Company, Wabash, Ind. Registering mechanism. 2,191,140; Feb. 20.

Ford Meter Box Company, The. (See Ford, John L., assignor.)

Foster, James D., Kansas City, Mo., assignor to W. J. Krebs and E. T. Chester. Pressing system. 2,190,868; Feb. 20.

Foster Wheeler Corporation. (See Denney, Courtlandt F., assignor.)

Fowler, Chester L., Oakland, Calif. Vehicle transporting car. 2,190,708; Feb. 20.

Fowler, Owen H., Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Brake tester. 2,190,833; Feb. 20.

Foxboro Company, The. (See Moore, Frank, assignor.)

Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid braking system. 2,190,981; Feb. 20.

Frentzel, Herman C., Jr., Shorewood, and C. G. Novotny, assignors to The Heil Co., Milwaukee, Wis. Dumping mechanism. 2,190,869; Feb. 20.

Frentzel, Herman C., Jr., Shorewood, and C. G. Novotny, assignors to The Heil Co., Milwaukee, Wis. Body dumping mechanism. 2,190,870; Feb. 20.

Friestedt, Arthur A., assignor of one-half to S. Maurer, Chicago, Ill. Aligning vehicle wheels. 2,190,709; Feb. 20.

Frins, Maximilian, C., Plainfield, N. J. Can opener. 2,190,940; Feb. 20.

Fuller, Frank. (See Kroenke, R. J., and Fuller.)

Furber, Henry J., Washington, D. C. Calculating mechanism. 2,190,710; Feb. 20.

Gabel, Arnold R. (See Stoesser, S. M., and Gabel.)

Gabler, Johann, deceased; S. Gabler, sole heir, Ettlingen, Germany, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Flexible gripper member for needle looms. 2,191,376; Feb. 20.

Gabler, Sophie, sole heir. (See Gabler, Johann.)

Gaede, Wolfgang, Karlsruhe, assignor to E. Leybold's Nachfolger Kommandit-Gesellschaft, Cologne-Bayental, Germany. Method of and apparatus for drawing gaseous fluids from receptacles. 2,191,345; Feb. 20.

Gallusser, Hans, Geneva, Switzerland. Reduction of oxides. 2,191,377; Feb. 20.

Galter, Jack. (See Wiggins, Edward J., assignor.)

Gardner, David S. (See Gardner, Joseph A. and D. S.)

Gardner, Delbert G., East Millinocket, assignor to Great Northern Paper Company, Millinocket, Maine. Paper calendering apparatus. 2,190,941; Feb. 20.

Gardner, Joseph A., Memphis, and D. S. Gardner, Bolivar, Tenn. Knife. 2,191,276; Feb. 20.

Gardner, William T., et al., as trustees. (See Peltz, Gordon M., assignor.)

Garthe, John, Northport, assignor of one-fourth to E. H. Rude and one-fourth to O. M. Rude, Suttons Bay, Mich. Automatic receptacle lock. 2,191,251; Feb. 20.

Garvey, Edward S., Clayton, Mo. Protective covering for crayons. 2,190,942; Feb. 20.

Garvin, Frank, Pittsburgh, Pa. Water heater. 2,190,871; Feb. 20.

Gasoline Antioxidant Company. (See Rogers, T. H., and Voorhees, assignors.)

Gauthier, Leonard J. (See Whitcomb, Loren W., assignor.)

General Aniline & Film Corporaton. (See Neresheimer, H., and Vilsmeier, assignors.)

General Aniline & Film Corporation. (See Petersen, S., Bayer, and Taube, assignors.)

General Aniline & Film Corporation. (See Reddelien, G., and Matthaeus, assignors.)

General Aniline & Film Corporation. (See Schumacher, W., Scherer, and Müller, assignors.)

General Aniline & Film Corporation. (See von Glahn, William H., assignor.)

General Aniline & Film Corporation. (See Walsh, W. L., and von Glahn, assignors.)

General Aniline & Film Corporation. (See Zervas, Paul, assignor.)

General Aniline & Film Corporation. (See Zerweck, W., and Kunze, assignors.)
General Aniline & Film Corporation. (See Zerweck, W., and Riedmair, assignors.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Anderson, Robert G., assignor.)
General Electric Company. (See Arnold, August, assignor.)
General Electric Company. (See Clark, Ernest W., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Cook, Leonard W., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Edwards, Martin A., assignor.)
General Electric Company. (See Greiner, Alfred, assignor.)
General Electric Company. (See McKeag, A. H., and Randall, assignors.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Strauss, Ferdinand E., assignor.)
General Electric Company. (See van Liempt, Johannes A. M., assignor.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Industries Company, The. (See Lannerd, Paul U., assignor.)
General Motors Corporation. (See Fleischer, Joseph, assignor.)
General Motors Corporation. (See Gould, Richard E., assignor.)
General Motors Corporation. (See Stickel, Carl A., assignor.)
General Motors Corporation. (See Waring, Charles E., assignor.)
General Motors Corporation. (See Woodling, George V., assignor.)
General Steel Castings Corporation. (See Sheehan, William M., assignor.)
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Method of and apparatus for making measurements at ultra high frequencies. 2,191,277; Feb. 20.
George, Simon C., and J. J. Weber, Pittsburgh, Pa. Safety device for hydraulic brake systems. 2,190,872; Feb. 20.
Germer, Edmund, Berlin-Wannsee, Germany. Discharge device. 2,190,657; Feb. 20.
Getaz, James L., Maryville, Tenn., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular rib knitting machine and operating same. 2,191,378; Feb. 20.
Gilbert, William H., Los Angeles, and F. F. Hosmer, Glendale, Calif. Bath sandal. 2,190,982; Feb. 20.
Githens, Otto W., and G. Kende, New York, and E. M. Porter, Brooklyn, assignors, by mesne assignments, to Universal Camera Corporation, New York, N. Y. Motion picture projector. 2,190,658; Feb. 20.
Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Size testing system. 2,191,107; Feb. 20.
Glanzer, Clarence J. (See Schaaf, A. E., Walton, and Glanzer.)
Glasgow, Ernest M., Towaco, N. J., assignor to Russell & Stoll Company, Inc., New York, N. Y. Marker light for airports. 2,191,379; Feb. 20.
Glassberg, Jacob, Hillside, N. J., assignor to Samson Investment Co. Lamp holder. 2,190,834; Feb. 20.
Godowsky, Leopold, Jr. (See Mannes, L. D., and Godowsky.)
Goethel, Herbert, Duisburg, H. Tramm, Oberhausen-Holten, and P. Schaller, Oberhausen-Sterkrade, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Improving lubricating oils. 2,190,918; Feb. 20.
Goldman, David, New York, N. Y. Sewing case for thread braids. 2,190,873; Feb. 20.
Goodman, Samuel, Chicago, Ill. Stick handling apparatus. 2,190,943; Feb. 20.
Goodrich, B. F., Company, The. (See Krotz, Alvin S., assignor.)
Gorbatenko, Dimitri L., and A. Allgoewer, assignors of two-thirds to M. Ditlow, San Francisco, Calif., and one-third to said Gorbatenko. Shoe vise. 2,190,983; Feb. 20.
Görlich, Paul. (See Sauer, H., and Görlich.)
Goss, Marshall J. (See Phillips, M., and Goss.)
Gossett, Edward D. (See Rateau, H., and Gossett.)
Gould, Richard E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,191,198; Feb. 20.
Goulds Pumps, Inc. (See Mann, John, assignor.)
Government and the People of the United States, Dedicated and assigned to the. (See Boyce, Alfred M.)
Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating apparatus. 2,191,141; Feb. 20.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenol carboxylic acid amide-formaldehyde resins. 2,190,829; Feb. 20.
Gray, Harry Z., Lebanon, Ohio. Making bottle carriers. 2,191,197; Feb. 20.
Great Northern Paper Company. (See Gardner, Delbert G., assignor.)
Green, Jack I. (See Groo, E. R., and Green.)
Greene, Grover C., assignor of one-half to P. N. De Vere, Marion, Mich. Eyeglass temple connection. 2,191,252; Feb. 20.
Greening, Clarence E., Houston, assignor of one-half to A. Bailey, Harris County, Tex. Tank packing. 2,191,142; Feb. 20.
Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp or similar device and manufacture. 2,191,346; Feb. 20.
Grimshaw, William, Oak Park, Ill. Piping for fire extinguishing sprinkler systems. 2,190,944; Feb. 20.
Groene, William F., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft lathe. 2,191,347; Feb. 20.
Groo, Earl R., and J. I. Green, Brooklyn, N. Y. Inkwell. 2,190,780; Feb. 20.
Grüss, Heinz, P. Kähle, and F. Lieneweg, Berlin-Siemensstadt, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for carrying out electrometrical measurements. 2,190,835; Feb. 20.
Guanella, Gustave, Zurich, Switzerland, assignor to Radio Patents Corporation. Electric translation circuit. 2,191,315; Feb. 20.
Guerin, Henry E., Beverly Hills, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Apparatus for forming sheet metal. 2,190,659; Feb. 20.
Guertler, William, Berlin-Dahlem, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Alloys resistant to burning and scaling. 2,190,781; Feb. 20.
Gulbrandsen, Oscar J., Duluth, Minn. Fishing rod and reel attachment. 2,190,984; Feb. 20.
Gulf Oil Corporation. (See Cantrell, T. L., and Turner, assignors.)
Gulf Oil Corporation. (See Stevens, D. R., and Cooke, assignors.)
Gulf Research & Development Company. (See Chenault, Roy L., assignor.)
Guss, Isadore, Detroit, Mich. Device for putting new toe coverings on shoes. 2,191,230; Feb. 20.
Gustke, William J., Parkersburg, W. Va. Insect catcher. 2,191,126; Feb. 20.
Guth, Arthur E., Bangor, Maine. Air circulating device. 2,190,945; Feb. 20.
Guthrie, James M. (See Lee, L. H., and Guthrie.)
Hale, Stuart G., and C. D. Owens, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic core with constant permeability. 2,191,151; Feb. 20.
Hall, Jesse E., Los Angeles, Calif. Well pump. 2,191,380; Feb. 20.
Hall Laboratories, Inc. (See Hall, Ralph E., assignor.)
Hall Laboratories, Inc. (See Schwartz, Charles, assignor.)
Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Abrasive detergent composition. 2,191,199; Feb. 20.
Hamlin, Marston L., Lynbrook, assignor to The Barrett Company, New York, N. Y. Machine for wrapping pipes. 2,191,316; Feb. 20.
Hammel, Victor F., Richmond Hill, N. Y. Electrical insulator. 2,191,152; Feb. 20.
Hammond, Lonnie. (See Dunn, Thomas J., assignor.)
Hampton, John H., Oaklyn, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa. Remote controlled movable tail block. 2,190,919; Feb. 20.
Hanchett Manufacturing Co. (See Hanchett, Ralph V., assignor.)
Hanchett, Ralph V., assignor to Hanchett Manufacturing Co., Big Rapids, Mich. Power operated saw swage. 2,190,920; Feb. 20.
Hanke, Ion G., Oskaloosa, Iowa. Hurdle. 2,191,253; Feb. 20.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Table structure and producing the same. 2,191,168; Feb. 20.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling system. 2,190,782; Feb. 20.
Hansen, William W., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. High efficiency resonant circuit. 2,190,712; Feb. 20.
Hanson, Carl F., Westfield, assignor to Irvington Varnish & Insulator Co., Irvington, N. J. Sheet insulation material. 2,190,711; Feb. 20.
Hanson, Ernest E., Ladysmith, Wis. Safety signal operator. 2,191,381; Feb. 20.
Hanson, Victor F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrothermal pyrolysis of carbon-bearing liquids. 2,191,012; Feb. 20.

Hardy, John S., San Jose, Calif. Elevator. 2,190,783; Feb. 20.
Harmon, Edward F., Flushing, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Feed device. 2,191,153; Feb. 20.
Harmon, Jesse, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Treatment of olefin-sulphur dioxide resins. 2,190,836; Feb. 20.
Harmon, Walter, Hillsville, Pa. Vanity comb. 2,191,254; Feb. 20.
Harper-Wyman Manufacturing Company. (See Turner, George F., assignor.)
Harr, Jesse. (See Fishbein, F., and Harr.)
Harris, Benjamin R., assignor to The Emulsol Corporation, Chicago, Ill. Esters of octyl alcohol with lower molecular weight sulpho carboxylic acids. 2,190,921; Feb. 20.
Harris, Warren B., Millbury, Mass. Dobby chain. 2,190,837; Feb. 20.
Hart, Hubert C., Unionville, Conn. Ticket punch. 2,191,382; Feb. 20.
Hasler A.-G. Werke für Telephonie und Prazisionsmechanik. (See Pestalozzi, Karl, assignor.)
Hasselstrom, Torsten, New York, N. Y. "Sulphate black liquor" talloel rosin and making the same. 2,190,660; Feb. 20.
Haswell, Arthur B., Birmingham, Ala. Roofing sheet. 2,191,383; Feb. 20.
Hauel, Anna P., New York, N. Y. Negative electrode for lead-acid storage batteries and producing the same. 2,191,231; Feb. 20.
Hauer, Arthur, Detroit, Mich. Cable lock. 2,190,661; Feb. 20.
Haveles, Evangel A., Los Angeles, Calif. Check roll holder. 2,190,985; Feb. 20.
Hazard, Charles S., New York, N. Y., assignor to Neptune Meter Company. Safety device for dispensing pumps. 2,191,154; Feb. 20.
Hazel, Clair T., assignor of one-half to R. C. Noll, Pleasant Gap, Pa. Electrocuting trap. 2,191,127; Feb. 20.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-seat fitting machine. 2,190,784; Feb. 20.
Heath, Sheldon B., and F. R. Minger, assignors to The Dow Chemical Company, Midland, Mich. Comminuting fusible materials such as sulphur. 2,190,922; Feb. 20.
Heekin Can Company, The. (See Sayre, Richard L., assignor.)
Heidelberg, Victor, Dresden, Germany. Tobacco mixing and distributing device. 2,190,785; Feb. 20.
Heil Co., The. (See Frentzel, H. C., Jr., and Novotny, assignors.)
Heil, Karl, assignor to the firm Maschinenwerke zu Frankfurt a. M. vorm., Kolb, Rieber & Co. G. m. b. H., Frankfort-on-the-Main, Germany. Sewing machine. 2,191,013; Feb. 20.
Heinen, Joseph, Long Beach, Calif. Valve and sealing means therefor. 2,191,232; Feb. 20.
Hensley, William D., Majestic, Ky. Tobacco pipe. 2,191,014; Feb. 20.
Henze, Otto, Philadelphia, Pa. Fishing reel. 2,190,786; Feb. 20.
Herbert, Frank B. (See Menken, J. T., and Herbert.)
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Etchells, Horace I., Jr., assignor.)
Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)
Herman, William P., Providence, R. I. Female contact plug. 2,191,386; Feb. 20.
Herman, William P., Bridgeport, Conn., assignor to Electrix Corporation. Contact plug. 2,191,384; Feb. 20.
Herman, William P., Providence, R. I., assignor to Electrix Corporation. Contact plug. 2,191,385; Feb. 20.
Hernandez, Irene, New Orleans, La. Bed. 2,191,387; Feb. 20.
Herrington, Harold W., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dynamo-electric machine. 2,191,074; Feb. 20.
Herstein, Bernard, Brooklyn, assignor to U. S. Industrial Alcohol Company, New York, N. Y. Azo dyestuffs, etc. 2,191,094; Feb. 20.
Herzka, Leopold, Vienna, Germany, assignor, by mesne assignments, to Comtec Limited, London, England. Reinforcement for concrete. 2,191,233; Feb. 20.
Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Variable speed power unit. 2,191,200; Feb. 20.
Hiatt, Earl, and J. J. Macken, Muncie, Ind., assignors to Owens-Illinois Glass Company. Glass handling apparatus. 2,191,143; Feb. 20.
Hicks, Earl J., Gouverneur, assignor of one-half to F. G. Denesha, Dekolb, N. Y. Safety hub cap. 2,191,388; Feb. 20.
Hicks, Raymond M., Plainfield, N. J., assignor to The Teleregister Corporation, New York, N. Y. Numerical comparing system. 2,191,234; Feb. 20.
Hill, Roscoe, Hamilton, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular rib knitting machine and operating same. 2,191,389; Feb. 20.
Hillberg, Bror, assignor to Superior Concrete Accessories, Inc., Chicago, Ill. Rod clamp. 2,190,838; Feb. 20.
Hinton, John R. (See Cardinal, Gerald L., assignor.)
Hintze, Hans, Dresden, and H. Illgen, Dresden-Laubegast, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Piezoelectric pressure indicator. 2,190,713; Feb. 20.
Hobble, Albert C., Moorestown, assignor to International Pulverizing Corporation, Camden, N. J. Centrifugal fluid jet pulverizer. 2,191,095; Feb. 20.
Hobson, Roy C., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,190,643; Feb. 20.
Hoffman, Allan C., Millidale, assignor to Scovill Manufacturing Company, Waterbury, Conn. Nasal inhaler. 2,191,015; Feb. 20.
Hoffman, Allan C., Millidale, assignor to Scovill Manufacturing Company, Waterbury, Conn. Nasal inhaler. 2,191,016; Feb. 20.
Hoffman, Charles, Scarsdale, G. Dalby, New York, and T. R. Schweitzer, South Ozone Park, assignors to Ward Baking Company, New York, N. Y. Inhibition of mold. 2,190,714; Feb. 20.
Hogan, William F., Wildwood, N. J. Flag and flagpole holder. 2,191,075; Feb. 20.
Hollaender, Max B., Berlin-Friedenau, Germany, assignor to Sifico A. G., Schaffhausen, Switzerland. Production of silverless picture and sound records by the chromate method. 2,191,017; Feb. 20.
Holland, Sidney S., Sandusky, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Wringer. 2,190,946; Feb. 20.
Holliger, Franklin B. (See Playford, H. E., and Holliger.)
Hooker, Donald E., assignor to R. T. Moloney, Chicago, Ill. Ball rolling game. 2,191,209; Feb. 20.
Hooper, John M., Clairton, Pa. Rolling angles. 2,191,390; Feb. 20.
Hooper, John M., Torrance, Calif. Rolling angles. 2,191,391; Feb. 20.
Hooven, Frederick J., Dayton, Ohio. Radio compass. 2,190,787; Feb. 20.
Horn, Clarence A., Roselle Park, assignor to Arcturus Development Company, Newark, N. J. Metal tube construction. 2,190,788; Feb. 20.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Press roll. 2,191,144; Feb. 20.
Horst, E. Clemens, Company. (See Thys, Edouard, assignor.)
Hosmer, Frank F. (See Gilbert, W. H., and Hosmer.)
Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Preparation of gases for polymerization. 2,190,662; Feb. 20.
kH5slgcp1fk(ZyMcc ETAOIN SHRDL ETAOI SHRD DD
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Howard, Walter, Detroit, Mich. Spring seat. 2,191,317; Feb. 20.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Spring beard knitting needle. 2,190,663; Feb. 20.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,190,664; Feb. 20.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,190,665; Feb. 20.
Hoyt, Roy C., Duluth, Minn. Trailer brake system. 2,191,318; Feb. 20.
Huarte, Justo, Buenos Aires, Argentina. Tire protecting device. 2,191,392; Feb. 20.
Hubbard Ice and Fuel Company. (See Chadima, L. C., Ilten, and Johnson, assignors.)
Hubbuch, Leo P., Springfield, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizable oils. 2,190,789; Feb. 20.
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Tempering sheet metal. 2,190,986; Feb. 20.
Hudson, James H. (See Sheppard, S. E., and Hudson.)
Hueter, Richard, R. Neu, and H. J. Engelbrecht, Dessau-Rosslau in Anhalt, Germany, assignors, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Manufacture of aqueous solutions of phenol, its homologues and derivatives. 2,191,405; Feb. 20.
Humphreys, Frank, Klerksdorp, Transvaal, Union of South Africa. Bore-hole surveying instrument. 2,190,790; Feb. 20.
Humphreys, Marion W., Rochester, N. Y. Transformer. 2,191,393; Feb. 20.
Huttinger, Charles A., Lakewood, assignor to Acme Rayon Corporation, Cleveland, Ohio. Package insert adaptable for the mounting of fine filamentous thread in annular package form. 2,191,108; Feb. 20.
Huyck, F. C., & Sons. (See Gabler, Johann, assignor.)
Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dohse, H., and Spoun, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kleine, J., Zetzsche, and Saffert, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wick, Georg, assignor.)
Ickenroth, Anthony, Brentwood, Mo. Roller skate brake. 2,191,018; Feb. 20.
Illgen, Hans. (See Hintze, H., and Illgen.)

Illinois Tool Works. (See Olson, Carl G., assignor.)
Ilten, Robert C. (See Chadima, L. C., Ilten, and Johnson.)
Imperial Chemical Industries Limited. (See Pearson, John L., assignor.)
Indge, Herbert S. (See Dunbar, H. W., and Indge.)
Ingersoll-Rand Company. (See Wickens, Edward F., assignor.)
Ingraham, E., Company, The. (See Poole, Arthur B., assignor.)
Inland Container Corporation. (See Smith, Clarence F., assignor.)
International Pulverizing Corporation. (See Hobbie, Albert C., assignor.)
International Ticket Company. (See Bryce, John A., assignor.)
Irvington Varnish & Insulator Co. (See Hanson, Carl F., assignor.)
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company. Chicago, Ill. Strainer bowl brace. 2,190,987; Feb. 20.
Jacovelli, Samuel, Brooklyn, N. Y. Fume eliminating valve for internal combustion engines. 2,191,076; Feb. 20.
Jaeger Machine Company, The. (See Bohmer, C. I., and Davis, assignors.)
Jakl, Josef. (See Widmer, G., Fisch, and Jakl.)
Jarnak, Niels P. R., Hillerød, Denmark. Acoustical oscillator, principally organ pipe. 2,191,058; Feb. 20.
Jarrett, George T., East Cleveland, Ohio, assignor to L. Saks. Clutch pressure plate. 2,190,874; Feb. 20.
Jaworowski, Joseph F., assignor of twenty-five one-hundredths to S. W. Emerson, Cleveland, Ohio. Pressure regulating valve. 2,191,319; Feb. 20.
Jeffrey Manufacturing Company, The. (See Curley, Morton B., assignor.)
Jeffrey Manufacturing Company, The. (See Matthews, Max A., assignor.)
Jelenk, Ruth. (See Jelenk, Theodore, assignor.)
Jelenk, Theodore, assignor to R. Jelenk, Brooklyn, N. Y. Coin-controlled vending machine. 2,191,145; Feb. 20.
Jenkins, Andrew H. S., Newport, and W. C. J. D. Reece, Rumney, England, and A. W. Tuck, Penarth, Wales. Wear compensating mechanism for brakes. 2,191,429; Feb. 20.
Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Bending brake. 2,190,830; Feb. 20.
Johansen, Einar K., Chicago, Ill., assignor, by mesne assignments, to The Cincinnati Milling Machine Company. Duplicating machine. 2,190,988; Feb. 20.
Johns-Manville Corporation. (See Cannon, Phillip D., assignor.)
Johnson, Alfred, Chicago, Ill. Buckle. 2,191,210; Feb. 20.
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding device. 2,190,923; Feb. 20.
Johnson, Arthur E. (See Van Stone, C. E., and Johnson.)
Johnson, Ervin L. (See Chadima, L. C., Ilten, and Johnson.)
Johnson Laboratories, Inc. (See Sinninger, Dwight V., assignor.)
Johnson, Le Baron B., Bronxville, N. Y. Feeding means and method. 2,191,019; Feb. 20.
Johnson, Roy W., Wyoming, Ohio. Vehicle lamp. 2,191,278; Feb. 20.
Johnston, Mordica O., Los Angeles, Calif. Preparing an oil well for production. 2,190,989; Feb. 20.
Jolly, Lynne S., Pueblo, Colo., and N. G. Lindsey, St. Joseph, Mo. Faucet. 2,191,128; Feb. 20.
Jolly, Samuel E., and J. H. Perrine, Prospect Park, assignors to Sun Oil Company, Philadelphia, Pa. Extreme pressure lubricant. 2,190,715; Feb. 20.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Slip cover installation, fastener for the same, and attaching same. 2,191,430; Feb. 20.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company, Chicago, Ill. Mining machine. 2,190,924; Feb. 20.
Joy, Joseph F., Pittsburgh, Pa., assignor to Sullivan Machinery Company. Transmission mechanism. 2,190,925; Feb. 20.
Joy, Joseph F., Pittsburgh, Pa., assignor to Sullivan Machinery Company. Transmission mechanism. 2,190,926; Feb. 20.
Jubilee Manufacturing Co. (See Westling, Eric A., assignor.)
Jurriaanse, Tom. (See Druyvesteyn, M. J., and Jurriaanse.)
Kabo Corset Co. (See Bertrams, Elsa E., assignor.)
Kactus Company. (See Cushman, Joseph W., assignor.)
Kactus Company. (See Staten, Jesse B., assignor.)
Kähle, Paul. (See Grüss, H., Kähle, and Lieneweg.)
Kallmeyer, Friedrich W., Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Sound transmitter and sound receiver actuated by magnetostrictive forces. 2,190,666; Feb. 20.
Kass, Samuel M., Philadelphia, Pa. Lock nut. 2,191,201; Feb. 20.
Katz, David W., New York, N. Y. Men's shorts. 2,191,169; Feb. 20.
Katz & Ogush, Inc. (See Radzinsky, Harry, assignor.)
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)
Kauffmann, Hans O., Eggertsville, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Wood bleaching. 2,191,431; Feb. 20.
Kaufmann, Cecil D., Washington, D. C. Detachable mounting for watchcases. 2,191,020; Feb. 20.
Kay, William M., Manchester, England, assignor to Driver-Harris Company, Harrison, N. J. Corrosion resistant alloys. 2,190,840; Feb. 20.
Keator, Edward O., Dayton, Ohio. Shifting and skidding device for use with hoisting jacks and using it. 2,191,279; Feb. 20.
Keehn, William R., Marysville, and J. A. Doerfer, Bellingham, Wash. Automatic gaff hook. 2,191,170; Feb. 20.
Kehl, Robert J., Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Gas burner. 2,191,077; Feb. 20.
Kehl, Robert J., Manhasset, N. Y., assignor to The Linde Air Products Company. Blowpipe. 2,191,078; Feb. 20.
Keller Printing Company. (See Schlegelmilch, William M., assignor.)
Kelsall, George A., Belleville, N. J., and E. A. Nesbitt, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Permanent magnet alloy. 2,190,667; Feb. 20.
Kende, George. (See Githens, O. W., Kende, and Porter.)
Kennedy, Harry E., Berkeley, Calif., assignor to The Linde Air Products Company. Fluid-pressure actuated welding apparatus. 2,190,927; Feb. 20.
Kern, Jean G., East Aurora, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Diazoamino ether and making. 2,190,841; Feb. 20.
Kessler, Martin, Cleveland, Ohio. Hydraulic clutch and brake mechanism. 2,191,320; Feb. 20.
Kharasch, Morris S., and O. Reinmuth, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. P-carbamidobenzenesulfonamide and producing it. 2,191,432; Feb. 20.
Kiessling, Max, Waterbury, Conn. Top stop for slide fastener tapes. 2,191,280; Feb. 20.
Kingsbury & Davis Machine Company. (See Straw, Clayton, assignor.)
Kinzler, Edward F., Pittsburgh, Pa. Stripping, inserting, and drawing table. 2,190,947; Feb. 20.
Kittredge, Rufus J., Evanston, Ill. Locating device for maps. 2,191,109; Feb. 20.
Klein, Maximilian, Sellersville, and W. E. Pfeffer, South Perkasie, assignors to United States Gauge Company, Sellersville, Pa. Miniature bulb and socket construction. 2,190,875; Feb. 20.
Kleine, Johannes, Dessau, W. Zetzsche, Premnitz, and P. Saffert, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial fibers for spinning. 2,191,296; Feb. 20.
Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. High pressure closure. 2,190,716; Feb. 20.
Kovac, Rudolph, assignor to American Automatic Devices Co., Chicago, Ill. Flare torch. 2,190,928; Feb. 20.
Kranz, Harry W., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Vehicle wheel. 2,191,202; Feb. 20.
Krebs, William J., et al. (See Foster, James D., assignor.)
Krenzien, Otto, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany. Electronic device. 2,190,914; Feb. 20.
Kroenig, Walter. (See Pier, M., Simon, and Kroenig.)
Kroenke, Ruben J., and F. Fuller, East Detroit, Mich. Clothesline prop. 2,190,876; Feb. 20.
Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adjustable vehicle suspension. 2,191,211; Feb. 20.
Kuhn, Frank O., Flint, Mich. Electric switch. 2,190,842; Feb. 20.
Kühnel, Paul, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Producing aluminum chloride. 2,190,913; Feb. 20.
Kümmich, Richard, and H. Rukop, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio direction finder. 2,190,717; Feb. 20.
Kunze, Wilhelm. (See Zerweck, W., and Kunze.)
Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Polarizer. 2,190,718; Feb. 20.
La Bombard, Leon E., Nashua, N. H., assignor to Oswego Falls Corporation, Fulton, N. Y. Transfer machine. 2,190,948; Feb. 20.
La Chapelle, Euclid I., Brockton, Mass. Shoe jack. 2,191,079; Feb. 20.
Ladd, Ralph, Kelso, Wash. Pulling device. 2,191,021; Feb. 20.
Landis, Harry A., Red Lion, Pa. Button sewing machine. 2,191,129; Feb. 20.
Landrock, Paul, and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Feeding and severing mechanism for photographic copying machines. 2,191,212; Feb. 20.
Landrock, Paul, and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Severing mechanism for photographic copying machines. 2,191,213; Feb. 20.

Lannerd, Paul U., assignor to The General Industries Company, Elyria, Ohio. Phonograph record changing mechanism. 2,191,214; Feb. 20.
Lannerd, Paul U., assignor to The General Industries Company, Elyria, Ohio. Automatic phonograph mechanism. 2,191,215; Feb. 20.
Larson, Karl R., Minneapolis, Minn. Illuminated bait. 2,190,791; Feb. 20.
Laute, Wilmar. (See Rethel, W., Laute, and Mühlberg.)
Lauterbach, Karges E., Irondequoit, N. Y. Dust mop handle or the like. 2,191,348; Feb. 20.
La Veau, William C., Stambaugh, Mich. Holder. 2,191,022; Feb. 20.
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Siekmann, assignors.)
Lederer, S. & B. Company. (See Davis, Willard A., assignor.)
Lee, Leffman H., Bellevue, and J. M. Guthrie, Pittsburgh, Pa., assignors to Line Material Company. Insulator. 2,191,171; Feb. 20.
Lees, Howard R., Wauwatosa, Wis. Furnace appliance. 2,190,877; Feb. 20.
Lehon Company, The. (See Eichhorn, Frank G., assignor.)
Leighton, John W., Port Huron, Mich. Hydraulic brake cylinder. 2,190,719; Feb. 20.
Leiter, Harry H. (See Longfellow, Earl E., assignor.)
Leitz, Ernst, G. m. b. H. (See Leitz, L., and Albert, assignors.)
Leitz, Ludwig, and W. Albert, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Combined photographic camera and view finder. 2,191,281; Feb. 20.
Lengyel, Carl, Buffalo, N. Y. Hot air furnace attachment. 2,191,349; Feb. 20.
Leventhal Patents, Inc. (See Spence, John L., Jr., assignor.)
Levine, James, Brooklyn, N. Y. Pleating fabrics. 2,191,321; Feb. 20.
Lewers, William W. (See Dreyling, A., and Lewers.)
Lewis, Florence N., New York, N. Y. Electrode applicator for use in short wave radio therapy. 2,191,080; Feb. 20.
Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Automatic load holder for testing machines. 2,191,282; Feb. 20.
Leybold's, E., Nachfolger Kommandit-Gesellschaft. (See Gaede, Wolfgang, assignor.)
Libbey-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)
Liebknecht, Otto, Berlin, Germany, assignor to The Permutit Company, New York, N. Y. Carbonaceous zeolite and the preparation thereof. 2,191,060; Feb. 20.
Liebknecht, Otto, Neubabelsberg, near Berlin, Germany, assignor to The Permutit Company, New York, N. Y. Carbonaceous ion-exchange material. 2,191,059; Feb. 20.
Liebowitz, Benjamin, New York, N. Y. Building block. 2,191,217; Feb. 20.
Lieneweg, Fritz. (See Grüss, H., Kähle, and Lieneweg.)
Lilly, Eli, and Company. (See Bibbins, Francis E., assignor.)
Lilly, Eli, and Company. (See Kharasch, M. S., and Reinmuth, assignors.)
Lindahl, Earl F. (See Russell, G. L., and Lindahl.)
Linde Air Products Company, The. (See Kehl, Robert J., assignor.)
Linde Air Products Company, The. (See Kennedy, Harry E., assignor.)
Lindsey, Nathan G. (See Jolly, L. S., and Lindsey.)
Line Material Company. (See Lee, L. H., and Guthrie, assignors.)
Link, Maximilian P., Los Angeles, Calif. Container construction. 2,190,990; Feb. 20.
Linn, William J., Pittsburgh, Pa. Fuel atomizer of the Venturi type. 2,191,218; Feb. 20.
Lippard, Herman L., Winston-Salem, N. C. Needle. 2,190,792; Feb. 20.
Lisowski, Anthony, Chicago, Ill. Transmission of power. 2,191,172; Feb. 20.
Littlefield, Verne D., Beverley Hills, Calif., assignor to Armour and Company, Chicago, Ill. Egg white material and preparing the same. 2,191,257; Feb. 20.
Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diode oscillator. 2,190,668; Feb. 20.
Llovera, Joseph G., New York, N. Y. Vending machine. 2,191,235; Feb. 20.
Lockwood Manufacturing Company, The. (See Chandonia, Elmer H., assignor.)
Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)
Loewe Radio, Inc. (See Wolff, Hanns-Heinz, assignor.)
Lombardi Knitting Machine Co. (See Lombardi, Vincent, assignor.)
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co., Inc., New York, N. Y. Knitted fabric. 2,190,793; Feb. 20.
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co., Inc., New York, N. Y. Knitted fabric. 2,190,794; Feb. 20.
Longabaugh, William H., Baltimore, Md., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Piston ring. 2,191,023 Feb. 20.
Longfellow, Earle E., assignor to H. H. Leiter, Warsaw, Ind. Splint. 2,191,283; Feb. 20.
Lowe, Rudy. (See Corydon, J., and Lowe.)
Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash or store front construction. 2,190,720; Feb. 20.
Lowry, Robert D. (See Bass, S. L., Stoesser, and Lowry.)
Ludwig, William, Bruno, Saskatchewan, Canada. Loading device. 2,191,130; Feb. 20.
Luetkemeyer, Henry W. (See Palm, J. V. O., and Leutkemeyer.)
Lundman, Theodore, Hopkins, Minn. Wrist watch bracelet. 2,190,878; Feb. 20.
Lybrook, George F., South Portsmouth, Ky. Heel breast covering clamping device. 2,191,110; Feb. 20.
Lyman, Donald F. (See Miller, F. C., Wittel, and Lyman.)
Lynn, George E. (See Fletcher, F. W., Lynn, and Smith.)
Lyon, George A., Detroit, Mich. Wheel disk structure. 2,190,660; Feb. 20.
Lyons, Harry I., et al. (See Vachon, Joseph J., assignor.)
M and M Wood Working Company. (See Cone, Charles N., assignor.)
Mack, Charles D., Cleveland, Ohio. Work dog. 2,191,111; Feb. 20.
Macken, John J. (See Hiatt, E., and Macken.)
Mahon, R. C., Company, The. (See Bingman, Frederick P., assignor.)
Maligraf, Ferdinand, Little Neck, N. Y. Collapsible paperboard house. 2,190,721; Feb. 20.
Mallory, P. R., & Co. (See Slater, Ira M., assignor.)
Mandel, Louis, assignor to The Slick-Shine Co., Inc., Newark, N. J. Labeling apparatus. 2,191,406; Feb. 20.
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Centrifugal pump. 2,190,670; Feb. 20.
Mannes, Leopold D., and L. Godowsky, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Color forming developer containing amines. 2,191,037; Feb. 20.
Manofsky, John J., Warren, Ohio, assignor to National Gypsum Company, Buffalo, N. Y. Metal sheet fabricating machine. 2,191,433; Feb. 20.
Maris, James C., Glenolden, Pa. Locomotive. 2,191,407; Feb. 20.
Maris, James C., Glenolden, Pa. Engine truck stabilizer. 2,191,408; Feb. 20.
Martellotti, Mario E., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Backlash eliminator. 2,191,131; Feb. 20.
Martin, André L., Paris, France. Machine for shaping wires which are intended for binding perforated leaflets. 2,190,722; Feb. 20.
Martin, Eugene, Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,191,112; Feb. 20.
Martin, Eugene, Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,191,113; Feb. 20.
Martin-Parry Corporation. (See Small, Frederick M., assignor.)
Maschinenwerke zu Frankfurt a. M. vorm. Kolb, Rieber & Co. G. m. b. H. (See Heil, Karl, assignor.)
Massolle, Joseph. (See Vogt, H., Engl, and Massolle.)
Matalene, Henry W., New York, N. Y. Match container. 2,191,350; Feb. 20.
Matheny, Clifford C., Compton, Calif. Air conditioned canopy for beds. 2,191,024; Feb. 20.
Matthaeus, Georg. (See Reddelien, G., and Matthaeus.)
Matthews, Max A., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Apparatus for handling coal. 2,191,322; Feb. 20.
Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Co. Inc. T connector. 2,191,258; Feb. 20.
Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Pulley supporting device. 2,191,155; Feb. 20.
Mattison Machine Works. (See Mattison, Carl L., assignor.)
Maurer, Siegfried. (See Friestedt, Arthur A., assignor.)
Mayfield, Harry F., Anderson, S. C. Vending machine. 2,190,879; Feb. 20.
Maytag Company, The. (See Young, Frank M., assignor.)
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Top operated outlet valve. 2,190,723; Feb. 20.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Loading device for railway cars. 2,190,724; Feb. 20.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 2,190,725; Feb. 20.
McBride, Ray P. (See Bitler, W. T., Bower, and McBride.)
McCollum, Henry J. De N., Evanston, Ill. Automobile heating system. 2,190,671; Feb. 20.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,191,173; Feb. 20.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,191,174; Feb. 20.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,191,175; Feb. 20.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,191,176; Feb. 20.
McCollum, Henry J. De N., Evanston, Ill. Automobile heater. 2,191,177; Feb. 20.
McCollum, Henry J. De N., Chicago, Ill. Automobile heater. 2,191,178; Feb. 20.

McCurdy, Stewart L., Pittsburgh, Pa. Apparatus for feeding aggregate. 2,191,096; Feb. 20.
McDonald, William G., East St. Kilda, Victoria, Australia. Garden or hedge shears. 2,191,236; Feb. 20.
McKeag, Alfred H., Kenton, and J. T. Randall, Northfield, Birmingham, England, assignors to General Electric Company. Combination of a source of radiation with material adapted to be excited to luminescence by the radiation. 2,191,351; Feb. 20.
McKenna, James C., assignor to Diamond Alkali Company, Pittsburgh, Pa. Car unloading. 2,190,726; Feb. 20.
McKenna, James C., assignor to Diamond Alkali Company, Pittsburgh, Pa. Unloading freight cars. 2,190,727; Feb. 20.
McKittrick, Donald S. (See Tijmstra, S., and McKittrick.)
McMenamin, James F., Philadelphia, Pa. Machining apparatus. 2,191,409; Feb. 20.
McNally, James G. (See Dickey, J. B., and McNally.)
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds and coloring therewith. 2,191,030; Feb. 20.
McNally, James G., and J. B. Dickey, Rochester, N. Y., and W. H. Zugschwerdt, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Coloring. 2,191,040; Feb. 20.
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds and coloring therewith. 2,191,029; Feb. 20.
Meharg, Virgil E., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Water-soluble phenol-aldehyde resins. 2,190,672; Feb. 20.
Meilleur, Frank J., New Orleans, La. Mechanical toy. 2,190,795; Feb. 20.
Meinzer, Gotthold H., Glendale, assignor to California Consumers Corporation, Los Angeles, Calif. Concentrating citrus fruit juices. 2,190,991; Feb. 20.
Mendez, Charlie, Tampa, Fla. Circuit controller. 2,191,216; Feb. 20.
Menken, John T., Hillsdale, and F. B. Herbert, Westwood, N. J. Wheel mounting device. 2,191,081; Feb. 20.
Mesinger, Frederick, Mount Vernon, N. Y. Protector for saddles. 2,190,992; Feb. 20.
Michalske, Arthur A., Cleveland, Ohio. Refrigerating process and apparatus. 2,190,796; Feb. 20.
Miescher, Karl, Riehen, and A. Wettstein, Basel, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Carboxylic acid amides of the cyclopentanopolyhydrophenanthrene series. 2,191,394; Feb. 20.
Miller, Bert C., Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y. Coating paper. 2,190,843; Feb. 20.
Miller, Bert C., Inc. (See Miller, Bert C., assignor.)
Miller, Frank C., Chicago, Ill., and O. Wittel, and D. F. Lyman, assignors to Eastman Kodak Company, Rochester, N. Y. Film package. 2,191,028; Feb. 20.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Metallic container. 2,190,844; Feb. 20.
Mineral Separation North American Corporation. (See Tucker, Stanley, assignor.)
Minger, Forest R. (See Heath, S. B., and Minger.)
Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)
Minnesota Mining & Manufacturing Company. (See Strauch, Clauss B., assignor.)
Mitchell, Donald, et al., executors. (See Mitchell, John E.)
Mitchell, John E., Dallas, Tex., deceased; J. E., Jr., O., and D. Mitchell, executors. Radiator for heating a forced draft of air. 2,191,146; Feb. 20.
Mitchell, John E., Jr., et al., executors. (See Mitchell, John E.)
Mitchell, Orville, et al., executors. (See Mitchell, John E.)
Mitchell, Robert W., Westmount, Quebec, Canada. Making composite pipes. 2,191,025; Feb. 20.
Mohun, John L., Chicago, R. C. Brown, Jr., Evanston, and F. W. Test, Hinsdale, Ill.; said Brown and said Test assignors to said Mohun. Ride stabilizer. 2,190,728; Feb. 20.
Moloney, Raymond T. (See Hooker, Donald E., assignor.)
Moncrieff, Robert W., and T. Eccles, Spondon, near Derby, England, assignors to Celanese Corporation of America. Yarn winding apparatus. 2,190,797; Feb. 20.
Moore, Frank, assignor to The Foxboro Company, Foxboro, Mass. Measuring and recording instrument. 2,190,912; Feb. 20.
Morlock, Heinrich, Pforzheim, Germany. Pressure operated magazine pencil. 2,190,798; Feb. 20.
Morris, James J., assignor to T. J. Morris, Chicago, Ill. Cooking apparatus. 2,191,284; Feb. 20.
Morris, James J., assignor to T. J. Morris, Chicago, Ill. Cooking apparatus. 2,191,285; Feb. 20.
Morris, James J., assignor to T. J. Morris, Chicago, Ill. Cooking apparatus. 2,191,286; Feb. 20.
Morris, Theodore J. (See Morris, James J., assignor.)
Morrison, Gordon M., San Mateo, Calif. Splint stretcher. 2,191,097; Feb. 20.
Moser, Anton C., Moose Lake, Minn. Milk pail strainer. 2,191,395; Feb. 20.
Moss, Perry M., Long Beach, Calif. Draw works line controller. 2,190,880; Feb. 20.
Motor Products Corporation. (See Broomham, Richard W., assignor.)
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,190,756; Feb. 20.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric valve circuit. 2,190,757; Feb. 20.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Starting circuit for electric valve apparatus. 2,190,799; Feb. 20.
Moyle, Clarence L. (See Britton, E. C., and Moyle.)
Mühlberg, Ernst. (See Rethel, W., Laute, and Mühlberg.)
Muir, Herbert H., Chicago, Ill. Grading screen. 2,190,993; Feb. 20.
Müller, Fritz. (See Schumacher, W., Scherer, and Müller.)
Murphy, Harry K., Stanford, Ill. Advertising device or toy. 2,190,800; Feb. 20.
N. V. Octrooien-Maatschappij "Activit". (See Smith, Pieter, assignor.)
N. V. Organchemia. (See Salomon, Arnold, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Druyvesteyn, M. J., and Jurriaanse, assignors.)
Nagel, Hugo, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. View finder mount. 2,191,035; Feb. 20.
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nassau Smelting and Refining Company. (See Deitz, L. S., Jr., and Weiser, assignors.)
National Aniline and Chemical Company. (See Kern, Jean G., assignor.)
National Gypsum Company. (See Manofsky, John J., assignor.)
National Malleable and Steel Castings Company. (See Hobson, Roy C., assignor.)
National Sewing Machine Company. (See Anderson, Floyd E., assignor.)
National Standard Company. (See Pierce, Robert C., assignor.)
National Standard Company. (See Shook, Florain J., assignor.)
National Tinsel Manufacturing Company. (See Protz, William C., assignor.)
Nebel, Kurt W., Chicago, Ill. Portable shear. 2,190,911; Feb. 20.
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Neresheimer, Heinrich, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Condensation product of the perylene series. 2,191,114; Feb. 20.
Nerwin, Hubert, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,190,729; Feb. 20.
Nesbitt, Ethan A. (See Kelsall, G. A., and Nesbitt.)
Neu, Richard. (See Hueter, R., Neu, and Engelbrecht.)
Neuman, Harry G. (See Neuman, Jacob J. and H. G.)
Neuman, Jacob J., Jamaica, and H. G. Neuman, Yorktown Heights, assignors to United States Patent Development and Royalty Company, South Salem, N. Y. Bag filling and weighing device. 2,191,147; Feb. 20.
Niagara Falls Wire Stitchers, Inc. (See Sims, W. O., and Rodda, assignors.)
Nichols, Edgar B., assignor to Nichols Products Company, Moorestown, N. J. Writing implement. 2,190,910; Feb. 20.
Nichols Products Company. (See Nichols, Edgar B., assignor.)
Nielsen, Laurits H., Kolding, Denmark, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Ventilated rotary brush. 2,191,115; Feb. 20.
Nissley, Jacob H., et al., as trustees. (See Peltz, Gordon M., assignor.)
Nitzberg, Milton, Chicago, Ill. Game apparatus. 2,190,845; Feb. 20.
Nobblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
Noll, Ray C. (See Hazel, Clair T., assignor.)
Nomura, Allen Y., Honolulu, Hawaii. Plotting device. 2,191,396; Feb. 20.
Norton Company. (See Dunbar, H. W., and Indge, assignors.)
Novotny, Carl G. (See Frentzel, H. C., Jr., and Novotny.)
Nutting Truck Company. (See Smith, Irwin F., assignor.)
Nydegger, George C., Chicago, Ill. Collapsible box or carton. 2,190,846; Feb. 20.
Ocenasek, William F., assignor to Walker-Turner Company, Inc., Plainfield, N. J. Jigsaw blade support and work hold-down. 2,191,410; Feb. 20.
O'Donnell, Edward M., San Francisco, Calif. Self-seating gasket. 2,191,179; Feb. 20.
Ohio Citizens Trust Company, The. (See Replogle, Daniel B., assignor.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Electrical connector device. 2,191,297; Feb. 20.
Olson, Phillip W., Grand Rapids, Mich., assignor to Automatic Instrument Company. Tone arm pickup. 2,191,026; Feb. 20.
O'Neill, Frank, Miami Beach, Fla., assignor to Owens-Illinois Glass Company. Glassware forming machine. 2,191,132; Feb. 20.

Onions, John H. (See Thornhill, Peter W., assignor.)
Oprean, Julia. (See Oprean, Sabin, assignor.)
Oprean, Sabin, assignor to J. Oprean, New York, N. Y. Frozen confection and coating. 2,191,352; Feb. 20.
Orelup, John W., Summit, N. J. Insecticidal spray. 2,190,673; Feb. 20.
Ort, Carl, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Combined view finder and range finder. 2,191,027; Feb. 20.
Osborn Manufacturing Company, The. (See Nielsen, Laurits H., assignor.)
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,190,674; Feb. 20.
Osuch, Francis J., Grosse Pointe, assignor to Robot Products Corporation, Detroit, Mich. Cabinet construction. 2,191,116; Feb. 20.
Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)
Otto, Paul, San Francisco, Calif. Apparatus for molding brick steps. 2,190,801; Feb. 20.
Ouellet, Charles J., West Haven, Conn. Baby swing. 2,191,397; Feb. 20.
Owens, Conrad D. (See Hale, S. G., and Owens.)
Owens-Illinois Glass Company. (See Hiatt, E., and Macken, assignors.)
Owens-Illinois Glass Company. (See O'Neill, Frank, assignor.)
Owens-Illinois Glass Company. (See Playford, H. E., and Holliger, assignors.)
Page, Herbert E., Syracuse, N. Y. Pressing machine. 2,191,117; Feb. 20.
Palm, John V. O., Cleveland Heights, and H. W. Luetkemeyer, Euclid, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Clutch plate. 2,190,994; Feb. 20.
Palmer, Harry B., New York, N. Y. Questionnaire game. 2,190,881; Feb. 20.
Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Mine car spring bumper and coupling. 2,190,730; Feb. 20.
Paper Service Company, The. (See Rowe, William W., assignor.)
Pardee, Lloyd W., Lakewood, assignor to The Scott & Fetzer Company, Cleveland, Ohio. Converter coupling for vacuum cleaners. 2,190,882; Feb. 20.
Parker, Donald, et al., executors. (See Parker, George D.)
Parker, George D., Riverside, Calif., deceased; D. Parker and Citizens National Trust and Savings Bank of Riverside, executors; assignors to Wire Tie Machinery Company. Bundle binding and tying machine. 2,191,082; Feb. 20.
Patterson Foundry & Machine Co., The. (See Underwood, Elvin M., assignor.)
Patterson, Robert. St. Louis, Mo. Display rack. 2,190,675; Feb. 20.
Paul, Peter, Inc. (See Zeun, Louis H., assignor.
Pauze, Joseph L., Two Rivers, Wis. Lock nail. 2,190,883; Feb. 20.
Pealer, Robert B., assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Power unit. 2,191,191; Feb. 20.
Pearson, John L., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Apparatus for heat treating. 2,191,133; Feb. 20.
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Machine for the manufacture of glass articles. 2,191,237; Feb. 20.
Peltz, Gordon M., Kew Gardens, assignor to H. M. Brooks, New York, N. Y., W. T. Gardner, Boston, Mass., and J. H. Nissley, Manheim, Pa., as trustees. Stoker. 2,191,219; Feb. 20.
Penn, William D., Dallas, Tex. Hearing aid apparatus. 2,191,398; Feb. 20.
People of the United States of America, Dedicated to the free use of the. (See Phillips, M., and Goss.)
Perhal, Albert C., assignor of one-half to L. H. Cohn, St. Louis, Mo. Apparatus for cutting sheet material. 2,191,148; Feb. 20.
Permutit Company, The. (See Liebknecht, Otto, assignor.)
Permutit Company, The. (See Vaughan, William, assignor.)
Perrine, John H. (See Jolly, S. E., and Perrine.)
Perry, Edmond J., Joliet, Ill., assignor to American Can Company, New York, N. Y. Sifter top container. 2,190,676; Feb. 20.
Perryman, George H., Clifton, N. J. Table tennis bat. 2,191,287; Feb. 20.
Persons, Lawrence M., assignor, by mesne assignments, to automatic Control Corporation, St. Louis, Mo. Switch plate. 2,190,847; Feb. 20.
Pestalozzi, Karl, assignor to Hasler A.-G. Werke für Telephonie und Präzisions-mechanik, Bern, Switzerland. Apparatus for the electric transmission at a distance of rotary velocities. 2,191,083; Feb. 20.
Peters, Carl R. (See Cutler, F. R., and Peters.)
Petersen, Siegfried, O. Bayer, and C. Taube, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation. Dyeings. 2,190,848; Feb. 20.
Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)
Pettibone Mulliken Corporation. (See Andersen, Oscar W., assignor.)
Pfaff, Kaspar, and M. Erlenbach, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Insecticide. 2,191,259; Feb. 20.
Pfeffer, William E. (See Klein, M., and Pfeffer.)
Pharis Tire & Rubber Company, The. (See Van Veen, George C., assignor.)
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,190,995; Feb. 20.
Phillips, Max, Evansville, Wis., and M. J. Goss, Ashland, Ohio, dedicated to the free use of the People of the United States of America. Making fibrous molded products and materials. 2,190,909; Feb. 20.
Phillips Petroleum Company. (See Durkee, James D., assignor.)
Photostat Corporation. (See Landrock, P., and Caps, assignors.)
Pier, Mathias, Heidelberg, and W. Simon and W. Berger, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of lower boiling hydrocarbons from heavy hydrocarbons. 2,191,157; Feb. 20.
Pier, Mathias, Heidelberg, and W. Simon and W. Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Reaction on carbonaceous materials with hydrogenating gases. 2,191,156; Feb. 20.
Pierce, James B., Jr., Charleston, assignor to Standard Ultramarine Company, Huntington, W. Va. Purifying brines. 2,191,411; Feb. 20.
Pierce, Raymond C., Chicago, Ill. Energy absorbing device. 2,190,996; Feb. 20.
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Reel lifting means. 2,190,849; Feb. 20.
Pihl, Sophus E., Dorchester, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud. 2,191,412; Feb. 20.
Place, Willard P., Penn Township, Allegheny County, and F. C. Smith, Wilkinsburg, Pa. Sound indicating apparatus. 2,191,203; Feb. 20.
Playford, Harry E., and F. B. Holliger, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Stencil screen construction. 2,191,134; Feb. 20.
Plews Processes, Inc. (See Plews, William J., assignor.)
Plews, William J., Chicago, Ill., assignor to Plews Processes, Inc. Exploded cereal. 2,190,949; Feb. 20.
Poblocki, Bernard B., Milwaukee, Wis. Illuminated sign for removable letters. 2,191,353; Feb. 20.
Pons, John A., Morganton, N. C. Looping hosiery. 2,191,288; Feb. 20.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Field-structure for synchronous-electric motors. 2,191,220; Feb. 20.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Synchronous electric motor structure. 2,191,221; Feb. 20.
Porsche, Jules D., and F. J. Solms, assignors to Armour and Company, Chicago, Ill. Preparing cholesterol. 2,191,260; Feb. 20.
Porter, Everett M. (See Githens, O. W., Kende, and Porter.)
Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Frequency changer. 2,190,731; Feb. 20.
Potapenko, Gennady, Pasadena, Calif. Apparatus for determining the inclination and direction of a hole. 2,190,950; Feb. 20.
Potter, Charles P., assignor to Wagner Electric Corporation, St. Louis, Mo. Control system for polyphase motors. 2,191,158; Feb. 20.
Potts, Roy C., Takoma Park, Washington, D. C. Device and method for handling eggs. 2,191,061; Feb. 20.
Potts, Royce H., Brooklyn, assignor to Ramel Manufacturing Co., Inc., New York, N. Y. Toilet article construction. 2,190,677; Feb. 20.
Powell, Le Roy G., Harlem, Mont. Ventilated boot. 2,190,802; Feb. 20.
Price, Nathan C., Seattle, Wash., assignor to Sirius Corporation. Binary cycle power plant. 2,191,289; Feb. 20.
Proportioners, Inc. (See Corydon, J., and Lowe.)
Protz, William C., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis. Ornament. 2,191,041; Feb. 20.
Radio Corporation of America. (See Bruining, H., de Boer, and Teves, assignors.)
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Duttera, William S., assignor.)
Radio Corporation of America. (See Eckersley, Peter P., assignor.)
Radio Corporation of America. (See George, Ralph W., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Radio Corporation of America. (See Rust, N. M., and Brett, assignors.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)

Radio Patents Corporation. (See Guanella, Gustave, assignor.)
Radzinsky, Harry, assignor to Katz & Ogush, Inc., New York, N. Y. Jewelry clasp. 2,191,084; Feb. 20.
Rambo, Ingar G. (See Uecker, R. A., Rambo, and Beatty.)
Ramel Manufacturing Co. (See Potts, Royce H., assignor.)
Randall, John T. (See McKeag, A. H., and Randall.)
Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
Rapp, Howard B., assignor to H. B. Rapp and S. Rapp, copartners doing business as Towner Manufacturing Co., Santa Ana, Calif. Disk harrow construction. 2,191,098; Feb. 20.
Rapp, Sally, et al. (See Rapp, Howard B., assignor.)
Rasanen, Charles A., Aberdeen, Wash. Taping device. 2,191,238; Feb. 20.
Rateau, Henri, Weirton, and E. D. Gossett, Hollidays Cove, W. Va. Open hearth furnace and operating the same. 2,191,354; Feb. 20.
Rawling, Francis G., Piedmont, W. Va., assignor to West Virginia Pulp & Paper Company, New York, N. Y. Treatment of soy bean meal by fermentation. 2,190,644; Feb. 20.
Rawlings, John J., London, assignor to The Rawlplug Company, Limited, South Kensington, London, England. Wall or like plug. 2,191,399; Feb. 20.
Rawlplug Company Limited, The. See Rawlings, John J., assignor.)
Real Estate-Land Title and Trust Company, The. (See Brown, Francis H., assignor.)
Reaume, Lawrence W., assignor to River Raisin Paper Company, Monroe, Mich. Carton structure. 2,191,180; Feb. 20.
Reddelien, Gustav, Leipzig, and G. Matthaeus, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline & Film Corporation. Manufacture of diaminodiaryiketones and product thereof. 2,190,732; Feb. 20.
Redin, Roy W. (See Swift, J. R., and Redin.)
Reece, Wilfred C. J. D. (See Jenkins, A. H. S., Reece, and Tuck.)
Reinmuth, Otto. (See Kharasch, M. S., and Reinmuth.)
Reliable Electric Company. (See Cook, Wallace, assignor.)
Replogle, Daniel B., Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio. Air-method cleaner, antechamber type. 2,190,678; Feb. 20.
Replogle, Daniel B., Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio. Sweeper floor tool. 2,190,679; Feb. 20.
Rethel, Walter, Augsburg, and W. Laute and E. Mühlberg, assignors to Arado Flugzeugwerke Gesellschaft mit beschränkter Haftung, Brandenburg (Havel), Germany. Tank arrangement for aircraft. 2,191,239; Feb. 20.
Retsema, Jay, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Liquid dispensing apparatus. 2,190,908; Feb. 20.
Revere Copper and Brass Incorporated. (See Longabaugh, William H., assignor.)
Rhea, James W. (See Figg, L. J., Jr., and Rhea.)
Ricardo, Harry R., London, England. Internal combustion engine of the liquid fuel injection compression ignition type. 2,191,042; Feb. 20.
Richardson, Bayard E., and R. W. Willey, Grand Rapids, Mich. Desk construction. 2,191,290; Feb. 20.
Richmond, Joseph L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company. Wilmington, Del. Manufacture of alkyl substituted aryl sulphates. 2,190,733; Feb. 20.
Richter, Alfred F. Des Moines, Iowa. Snow plow attachment for automobiles. 2,191,323; Feb. 20.
Riedmair, Josef. (See Zerweck, W., and Riedmair.)
River Raisin Paper Company. (See Reaume, Lawrence W., assignor.)
Rizer, Edward F. (See Acree, J. F., Rizer, and Walker.)
Roach, Gerald A. (See Wagler, K. F., and Roach.)
Roach, Martin J., Brighton, Mass. Automobile door handle. 2,190,951; Feb. 20.
Roberts, Eugene, Hastings, assignor to The Western States Machine Company, New York, N. Y. Liquid cooled friction rim. 2,191,261; Feb. 20.
Robertson, Donald W., Oakmont, Pa., assignor to L. H. Stewart Company, Ramsey, N. J. Chair. 2,191,159; Feb. 20.
Robinson, Joseph, New York, N. Y. Slack adjuster. 2,190,681; Feb. 20.
Robinson, Robert S., Chicago, Ill. Dice box. 2,191,160; Feb. 20.
Robot Products Corporation. (See Osuch, Francis J., assignor.)
Rodda, Edward J. (See Sims, W. O., and Rodda.)
Rogers, Henry D. Richmond, Calif. Portable collapsible crane. 2,191,181; Feb. 20.
Rogers, Leonard M., Mendon, assignor to Draper Corporation, Hopedale, Mass. Loom stop motion. 2,191,413; Feb. 20.
Rogers, Thomas H., and V. Voorhees, Hammond, assignors, by mesne assignments, to Gasoline Antioxidant Company, Chicago, Ill. Motor fuel product. 2,191,204; Feb. 20.
Rogers, William J., Napa Calif. Indicator switch. 2,191,205; Feb. 20.
Roko Corporation. (See Coberly, Clarence J., assignor.)
Romanoff, Hippolyte W., New York, N. Y. Interlocked structure. 2,191,161; Feb. 20.
Rosen, Abraham W., New York, N. Y. Clamping means for mirrors for motor vehicles. 2,191,085; Feb. 20.
Rosenstein, Albert L., assignor of one-half to M. Rosenstein and one-half to G. R. Smith, Jr., Lancaster, Pa. Venetian blind equipment. 2,190,884; Feb. 20.
Rosenstein, Morris, et al. (See Rosenstein, Albert L., assignor.)
Ross, Frederick N., Grosse Pointe Park, assignor to Ash Products Corporation, Detroit, Mich. Attachment unit with multicornered shank. 2,191,192; Feb. 20.
Ross, Frederick N., Grosse Pointe Park, assignor to Ash Products Corporation, Detroit, Mich. Making clinch-on nuts and the like. 2,191,193; Feb. 20.
Rossman, Allen M., Wilmette, Ill. Electric switchgear. 2,190,952; Feb. 20.
Roth, Lester B., assignor to Eclipse Lawn Mower Company, Prophetstown, Ill. Power mower. 2,191,135; Feb. 20.
Rothschild, Benjamin de C., Coral Gables, Fla. Game scoring device. 2,191,400; Feb. 20.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Producing corrugated papers. 2,190,680; Feb. 20.
Roy, William W., Oakland, Calif. Atmospheric pressure water remover. 2,190,885; Feb. 20.
Rude, Edward H., et al. (See Garthe, John, assignor.)
Rude, Oscar M., et al. (See Garthe, John, assignor.)
Ruhrchemie Aktiengesellschaft. (See Goethel, H., Tramm, and Schaller, assignors.)
Ruhrchemie Aktiengesellschaft. (See Kühnel, Paul, assignor.)
Rukop, Hans. (See Kümmich, R., and Rukop.)
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Organic sulphonated hydrogenated abietyl derivatives and producing. 2,190,734; Feb. 20.
Russell, George L., and E. F. Lindahl, Spokane, Wash. Multiple garment hanger. 2,191,401; Feb. 20.
Russell Manufacturing Company, The. (See Dowd, Raymond E., assignor.)
Russell & Stoll Company. (See Glasgow, Ernest M., assignor.)
Rust, Nöel M., Chelmsford, and G. F. Brett, London, England, assignors to Radio Corporation of America. Electron discharge device. 2,190,735; Feb. 20.
Sachs, Albert P., New York, N. Y., assignor to Petroleum Conversion Corporation, Elizabeth, N. J. Treatment of oils with phosphorus pentoxide. 2,191,043; Feb. 20.
Saffert, Paul. (See Kleine, J., Zetzsche, and Saffert.)
Saffir, Jacob A., Chicago, Ill., and H. G. Bartsch, Washington, D. C.; said Bartsch assignor to said Saffir. Photographic illuminating equipment. 2,191,402; Feb. 20.
Saks, Ira. (See Jarrett, George T., assignor.)
Salomon, Arnold, assignor to the firm of N. V. Organochemia, Oss, Netherlands. Pyelographic preparation. 2,191,118; Feb. 20.
Salzberg, Paul L. (See Ellingboe, E. K., and Salzberg.)
Samcoe Holding Corporation. (See Cohn, Samuel, assignor.)
Samson Investment Co. (See Glassberg, Jacob, assignor.)
Satterlee, Howard A., Needham, assignor to Submarine Signal Company, Boston, Mass. Direction of rotation responsive switch. 2,190,682; Feb. 20.
Sauer, Hans, and P. Görlich, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Exposure meter. 2,191,414; Feb. 20.
Sayre, Richard L., assignor to The Heekin Can Company, Cincinnati, Ohio. Container. 2,190,803; Feb. 20.
Schaaf, Albert E., Chagrin Falls, G. M. Walton, Cleveland Heights, and C. J. Glanzer, assignors to Air-Maze Corporation, Cleveland, Ohio. Filter means and making same. 2,190,683; Feb. 20.
Schaaf, Albert E., Chagrin Falls, G. M. Walton, Cleveland Heights, and C. J. Glanzer, Lakewood, assignors to Air-Maze Corporation, Cleveland, Ohio. Filter means and making same. 2,190,886; Feb. 20.
Schaeren, Ernst, assignor to Scintilla Ltd., Soleure, Switzerland. Electric machine. 2,190,887; Feb. 20.
Schaller, Paul. (See Goethel, H., Tramm, and Schaller.)
Scherer, Otto. (See Schumacher, W., Scherer, and Müller.)
Schimmel, Frederick W., Bay City, Mich., and J. M. Straub, Cleveland, Ohio. Curtain, curtain stretcher, and stretcher clamp. 2,190,888; Feb. 20.
Schlegelmilch, William M., Bronx, assignor to Keller Printing Company, New York, N. Y. Ticket printing machine. 2,190,736; Feb. 20.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Optical arrangement for scanning machines. 2,191,182; Feb. 20.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television tube. 2,191,415; Feb. 20.
Schlumberger, C., Paris, France, deceased; A. M. L. Doll, administratrix; assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Method of and apparatus for surveying the formations traversed by a bore hole. 2,191,119; Feb. 20.
Schlumberger Well Surveying Corporation. (See Slichter, Louis B., assignor.)

Schlumberger Well Surveying Corporation. (See Schlumberger, Conrad, assignor.)
Schlumberger Well Surveying Corporation. (See Slichter, Louis B., assignor.)
Schnell, Steve, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor shut-off valve mechanism. 2,191,162; Feb. 20.
Schroeder, Ernest R., Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Cushioned buffer and coupling device. 2,190,737; Feb. 20.
Schumacher, Willy, O. Scherer, and F. Müller, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Ortho- and para-nitrophenyl-trifluoromethylsulphoxides, oxidation products thereof, and preparing the same. 2,191,062; Feb. 20.
Schunck, Max, Obersursel, near Frankfort-on-the-Main, assignor to Hermann von Forster, Niederursel, near Frankfort-on-the-Main, Germany. Drawbench. 2,190,889; Feb. 20.
Schwartz, Charles, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Purifying gelatin and casein. 2,191,206; Feb. 20.
Schweiss, Joseph, assignor to Carter Carburetor Corporation, St. Louis, Mo. Antistall device. 2,190,738; Feb. 20.
Schweitzer, Thomas R. (See Hoffman, C., Dalby, and Schweitzer.)
Scintilla Ltd. (See Schaeren, Ernst, assignor.)
Scintilla Ltd. (See von Tavel, Hesper, assignor.)
Sconyers, Walter T. (See Squires, Richard K., assignor.)
Scott & Fetzer Company, The. (See Pardee, Lloyd W., assignor.)
Scott & Williams, Incorporated. (See Getaz, James L., assignor.)
Scott & Williams, Incorporated. (See Hill, Roscoe, assignor.)
Scovill Manufacturing Company. (See Hoffman, Allan C., assignor.)
Searcy, Lynn D., St. Clair Shores, Mich. Heater for closed vehicles. 2,190,804; Feb. 20.
Segal, Hyman R., New York, N. Y. Razor. 2,191,324; Feb. 20.
Seligman, Richard, assignor to The Aluminium Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England. Liquid treating apparatus of the built-up type. 2,191,044; Feb. 20.
Sellei, Josef, Budapest, Hungary, assignor to Big Mc's Photosensin Mfg. Inc., Yuma, Ariz. Influencing the growth of plants. 2,190,890; Feb. 20.
Sendzimir, Tadeusz, Paris, France. Production of high grade sheet and strip steel from nonrefined molten steel. 2,191,355; Feb. 20.
Seversky Aircraft Corporation. (See de Seversky, Alexander P., assignor.)
Seydell-Woolley & Company. (See Woolley, Vasser, assignor.)
Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Transparency carrier. 2,191,036; Feb. 20.
Shank, Charles M. (See Buccicone, D., and Shank.)
Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway container car. 2,191,222; Feb. 20.
Shell Development Company. (See Tijmstra, S., and McKittrick, assignors.)
Shell Development Company. (See von Thyssen-Bornemisza, Stephan Baron, assignor.)
Shenton, Ralph W., Slatedale, Pa. Blackboard and making the same. 2,191,099; Feb. 20.
Shepherd, Judson O., Atlanta, Ga. Metering system. 2,191,298; Feb. 20.
Sheppard, Samuel E., and J. H. Hudson, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of gelatin. 2,191,034; Feb. 20.
Shook, Florain J., Akron, Ohio, assignor to National Standard Company, Niles, Mich. Apparatus for making bead cores for pneumatic tires. 2,190,805; Feb. 20.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,191,086; Feb. 20.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Siekmann, Harold J. (See Groene, W. F., and Siekmann.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Fischel, Eduard, assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Wenzky, Karl, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Grüss, H., Kähle, and Lieneweg, assignors.)
Siemens & Halske Aktiengesellschaft. (See Krenzien, Otto, assignor.)
Sifico, A. G. (See Hollaender, Max B., assignor.)
Simmon, Rudolph, Long Island City, N. Y. Film drier. 2,191,163; Feb. 20.
Simon, Walter. (See Pier, M., Simon, and Berger.)
Simon, Walter. (See Pier, M., Simon, and Kroenig.)
Sims, William O., and E. J. Rodda, assignors to Niagara Falls Wire Stitchers, Inc., Niagara Falls, N. Y. Wire stitching machine. 2,190,684; Feb. 20.
Sinclair Refining Company. (See Barth, Edwin J., assignor.)
Singer Manufacturing Company, The. (See Tiesler, Alfred, assignor.)
Sinninger, Dwight V., assignor to Johnson Laboratories, Inc., Chicago, Ill. Interference rejection receiver. 2,190,850; Feb. 20.
Sirius Corporation. (See Price, Nathan C., assignor.)
Skillen, Eva J., Warwick, R. I. Face guard. 2,191,325; Feb. 20.
Slagh, Harold R., assignor to The Dow Chemical Company, Midland, Mich. Reaction product of di-chloro-dioxane and the halo-organic acids. 2,190,907; Feb. 20.
Slater, Ira M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electromagnetic vibratory interrupter. 2,190,685; Feb. 20.
Slayton, John W., Pittsburgh, Pa. Speed indicator. 2,191,045; Feb. 20.
Slichter, Louis B., Belmont, Mass., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Mineral exploration. 2,190,686; Feb. 20.
Slichter, Louis B., Belmont, Mass., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Geological survey. 2,191,120; Feb. 20.
Slichter, Louis B., Belmont, Mass., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Geological surveying apparatus. 2,191,121; Feb. 20.
Slick-Shine Co., The. (See Mandel, Louis, assignor.)
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Wall paneling supporting means. 2,190,806; Feb. 20.
Smelser, David A., Bristol, Tenn. Liquid separator or save-all. 2,191,122; Feb. 20.
Smit, Pieter, assignor to N. V. Octrooien-Maatschappij "Activit," Amsterdam, Netherlands. Manufacture of absorbent and ion exchanging materials. 2,191,063; Feb. 20.
Smith, Carroll C. (See Williams, I., and Smith.)
Smith, Clarence F., Middletown, Ohio, assignor to Inland Container Corporation, Indianapolis, Ind. Rim reinforced case and forming same. 2,191,291; Feb. 20.
Smith, Frank B. (See Fletcher, F. W., Lynn, and Smith.)
Smith, Frank K., and C. M. Brown, Tecumseh, Mich. Refrigeration compressor. 2,191,326; Dec. 20.
Smith, Frederick C. (See Place, W. P., and Smith.)
Smith, George R., Jr., et al. (See Rosenstein, Albert L., assignor.)
Smith, Irwin F., assignor to Nutting Truck Company, Faribault, Minn. Jack. 2,190,953; Feb. 20.
Smith, James E., San Francisco, Calif. Bumper guard. 2,190,891; Feb. 20.
Smith, John S., Hazel Crest, and F. Dawson, Chicago Heights, Ill. Discharge lamp and operating the same. 2,190,687; Feb. 20.
Smith, Lloyd E., Washington, D. C., assignor to H. A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,191,299; Feb. 20.
Smith, Lloyd E., Washington, D. C., assignor to H. A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,191,300; Feb. 20.
Smith, Lloyd E., Washington, D. C., assignor to H. A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office. Insecticide. 2,191,301; Feb. 20.
Snell, Samuel A., assignor to T. F. Beaman, Jackson, Mich., trustee. Windshield wiper mechanism. 2,191,356; Feb. 20.
Snelling, Henry B. W., Providence, R. I., assignor to Food Devices Incorporated, New York, N. Y. Food products aerating and dispensing device. 2,190,688; Feb. 20.
Snyder, Raymond M., assignor of thirty per cent to G. F. Wagner, Pittsburgh, Pa. Cart. 2,191,327; Feb. 20.
Society of Chemical Industry in Basle. (See Miescher K., and Wettstein, assignors.)
Solms, Fred J. (See Porsche, J. D., and Solms.)
Somers, William S., Columbus, Ohio. Air conditioning apparatus. 2,190,998; Feb. 20.
Somers, William S., Columbus, Ohio. Air heating apparatus. 2,190,997; Feb. 20.
Spellman, Erick. (See Erickson, C., and Spellman.)
Spence, John L., Jr., Brooklyn, assignor to Leventhal Patents, Inc., New York, N. Y. Prefocus projection lamp. 2,191,292; Feb. 20.
Spengler, Walter J., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto generator. 2,191,087; Feb. 20.
Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)
Sperry-Sun Well Surveying Company. (See Kothny, Gottdank L., assignor.)
Spoun, Fritz. (See Dohse, H., and Spoun.)
Springfield Wire & Tinsel Co. (See Bradford, Edward S., Jr., assignor.)
Squires, Richard K., assignor of one-half to W. T. Sconyers, Oakland, Calif. Lighting system. 2,190,739; Feb. 20.
Stadler, Robert, and A. Auerhahn, Heidelberg, Germany, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company Inc., Wilmington, Del. Continuous production of polymerization products of acetylene. 2,191,088; Feb. 20.
Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,190,851; Feb. 20.
Standard-I. G. Company. (See Pier, M., Simon, and Berger.)

Standard-I. G. Company. (See Pier, M., Simon, and Kroenig, assignors.)
Standard Oil Company. (See Brown, A. B., and Bransky, assignors.)
Standard Oil Development Company. (See Cannon, George E., assignor.)
Standard Stoker Company, The. (See Martin, Eugene, assignor.)
Standard Ultramarine Company. (See Pierce, James B., Jr., assignor.)
Stanford, Leland, Junior University, The, Board of trustees of. (See Hansen, William W., assignor.)
Starling, Leonard H., Belle Glade, Fla. Revolving steam table. 2,191,100; Feb. 20.
Staten, Jesse B., Wichita Falls, assignor to Kactus Company, Inc., St. Jo, Tex. Treating petroleum emulsions. 2,191,357; Feb. 20.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Flow controlling device for refrigerating systems. 2,191,328; Feb. 20.
Steinberger, Alfred J., Jamaica, N. Y., assignor to Celanese Corporation of America. Making wearing apparel. 2,190,807; Feb. 20.
Stellin, Domnic V., Detroit, Mich. Lock washer. 2,191,101; Feb. 20.
Stevens, Donald R., Swissvale, Pa., and H. B. Cooke, Arlington, Va., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of stabilized gasoline. 2,191,240; Feb. 20.
Stewart, L. H., Company. (See Robertson, Donald W., assignor.)
Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,190,954; Feb. 20.
Stoesser, Sylvia M. (See Bass, S. L., Stoesser, and Lowry.)
Stoesser, Sylvia M., and Å. R. Gabel, assignors to The Dow Chemical Company, Midland, Mich. Styrene-tung oil copolymer. 2,190,906; Feb. 20.
Stover, Donald E., San Diego, Calif. Serological drop reaction means. 2,190,808; Feb. 20.
Stowell, Frank C., Medford, Mass. Combination shoulder for railroad tie plates. 2,190,999; Feb. 20.
Straub, John M. (See Schimmel, F. W., and Straub.)
Strauch, Clauss B., New York, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fabricator for adhesive tape. 2,190,809; Feb. 20.
Strauss, Ferdinand E., Schenectady, N. Y., assignor to General Electric Company. Indicating system. 2,191,329; Feb. 20.
Straw, Clayton, Henniker, assignor to Kingsbury & Davis Machine Company, Contoocook, N. H. Box making machine. 2,191,330; Feb. 20.
Sturdy-Bilt Equipment Corporation. (See Dostal, John R., assignor.)
Sturtevant, B. F., Company. (See Adair, Thomas D., assignor.)
Submarine Signal Company. (See Kallmeyer, Friedrich W., assignor.)
Submarine Signal Company. (See Satterlee, Howard A., assignor.)
Sullivan, Charles J., East Falls Church, Va., assignor to J. L. Barr, Washington, D. C. Building construction. 2,191,123; Feb. 20.
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sulzer Frères, Société Anonyme. (See Byland, Hans, assignor.)
Sun Oil Company. (See Jolly, S. E., and Perrine, assignors.)
Sun Oil Company. (See Tarbox, L. A., and Barcus, assignors.)
Superior Concrete Accessories, Inc. (See Hillberg, Bror, assignor.)
Swarr, Howard G. (See Clark, R. R., and Swarr.)
Swepston, Murray M., Columbus, Ohio. Safety device for furnaces. 2,190,892; Feb. 20.
Swift, Claude E. (See Bray, U. B., and Swift.)
Swift, Justin R., and R. W. Redin, Chicago, Ill. Hand operated printing press. 2,190,740; Feb. 20.
Sykes, George, Los Angeles, Calif. Fresh fruit pack extension and liner. 2,190,955; Feb. 20.
Sylvester, Harold K., Los Angeles, Calif. Hinge and operating means therefor. 2,190,741; Feb. 20.
Symons, Beatrice T., Skowhegan, Maine. Invisible hatpin. 2,190,893; Feb. 20.
Talkington, Jesse M., Dover, Ark. Loose material dispensing apparatus. 2,191,241; Feb. 20.
Tarbox, Leon A., Prospect Park, and W. H. Barcus, Upper Darby, assignors to Sun Oil Company, Philadelphia, Pa. Filtering. 2,191,403; Feb. 20.
Taube, Carl. (See Petersen, S., Bayer, and Taube.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klimmich, R., and Rukop, assignors.)
Teleregister Corporation, The. (See Hicks, Raymond M., assignor.)
Teller, G. & J. (See Teller, J., and Schulz, assignors.)
Teller, Jacob, Chicago, and A. P. Schulz, Hinsdale, assignors to G. & J. Teller, Chicago, Ill. Oil range top construction. 2,191,358; Feb. 20.
Test, Francis W. (See Mohun, J. L., Brown, and Test.)
Teves, Marten C. (See Bruining, H., de Boer, and Teves.)
Thomas, Idris, Whittier, Calif. Deep well tool. 2,191,000; Feb. 20.
Thompson, Richard E., Brooklyn, N. Y. Powder puff and making same. 2,190,894; Feb. 20.
Thomson, William M., assignor to Wortendyke Manufacturing Company, Richmond, Va. Shuttle with yielding cop engaging side member. 2,191,242; Feb. 20.
Thornhill, Peter W., London, assignor to J. H. Onions, Warwickshire, England. Landing gear for aircraft. 2,191,359; Feb. 20.
Thys, Edouard, assignor to E. Clemens Horst Company, San Francisco, Calif. Finger structure and supporting bar for hop picking machines. 2,191,183; Feb. 20.
Tiesler, Alfred, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Intermittent tension device. 2,191,046; Feb. 20.
Tijmstra, Sijbren, Berkeley, and D. S. McKittrick, Oakland, assignors to Shell Development Company, San Francisco, Calif. Solvent and process for dewaxing mineral oils. 2,191,136; Feb. 20.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Testing the eyes. 2,191,047; Feb. 20.
Tims, Hiram, New Roads, La. Tree uprooter. 2,191,048; Feb. 20.
Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto generator. 2,190,956; Feb. 20.
Tokheim Oil Tank and Pump Company. (See Trudeau, Maximillian O., assignor.)
Topham, Laurence E., Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Edge-setting machine. 2,190,810; Feb. 20.
Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Spotlight or the like. 2,191,049; Feb. 20.
Toro Manufacturing Corporation of Minnesota. (See Clapper, John S., assignor.)
Torres, Joseph, Brooklyn, N. Y. Method and apparatus for the permanent waving of hair. 2,191,293; Feb. 20.
Torrington, William P., assignor to Emulsions Process Corporation, New York, N. Y. Process and apparatus for treating yeast. 2,190,689; Feb. 20.
Towner Manufacturing Co. (See Rapp, Howard B.)
Tramm, Heinrich. (See Geothel, H., Tramm, and Schaller.)
Trible, Winthrop, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Headstock positioning mechanism. 2,191,137; Feb. 20.
Trice, Spencer T., Mabank, Tex. Cooling device. 2,191,050; Feb. 20.
Trico Products Corporation. (See Browne, Donald B., assignor.)
Triplett, Ray L. (See Wenger, Floyd E., assignor.)
Trnka, Otto A. (See Chester, B. B., and Trnka.)
Trudeau, Maximillian O., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Signal for liquid dispensing apparatus. 2,191,262; Feb. 20.
Tuck, Arthur W. (See Jenkins, A. H. S., Reece, and Tuck.)
Tucker, Stanley, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Froth-flotation machine. 2,190,852; Feb. 20.
Turner, Edward T., Dayton, Ohio. Method and apparatus for generating power. 2,190,957; Feb. 20.
Turner, George F., assignor to Harper-Wyman Manufacturing Company, Chicago, Ill. Fastening means for detachably securing handles to operating shafts. 2,191,294; Feb. 20.
Turner, James O. (See Cantrell, T. L., and Turner.)
Turpin, Leta A., Los Angeles, Calif. Body developing and correcting apparatus. 2,190,895; Feb. 20.
Turpin, William J., Santa Ana, Calif. Cleaning device. 2,191,243; Feb. 20.
Udstad, Sigvald F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Railway car. 2,190,742; Feb. 20.
Uecker, Reinhold A., I. G. Rambo, and D. E. Beatty, Wauwatosa, Wis. Scaffold ladder. 2,191,051; Feb. 20.
Underwood, Elvin M., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Revolving cone mixer. 2,190,896; Feb. 20.
Underwood, Elvin M., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Revolving mixer. 2,190,897; Feb. 20.
"Unichem" Chemikalien Handels A. G. (See Hueter, R., Neu, and Engelbrecht, assignors.)
Union Carbide and Carbon Corporation. (See Kehl, Robert J., assignor.)
Union Oil Company of California. (See Bray, U. B., and Swift, assignors.)
United Aircraft Corporation. (See Willgoos, Andrew V. D., assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United-Carr Fastener Corporation. (See Pihl, Sophus E., assignor.)
United Shoe Machinery Corporation. (See Clarke, T. B., and Boothroyd, assignors.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)

U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
U. S. Industrial Alcohol Company. (See Herstein, Bernard, assignor.)
United States Gauge Company. (See Klein, M., and Pfeffer, assignors.)
United States Patent Development and Royalty Company (See Neuman, Jacob J. and H. G., assignors.)
Universal Camera Corporation. (See Githens, O. W., Kende, and Porter, assignors.)
Vachon, Joseph J., South Portland, Maine, assignor of three-eighths to H. I. Lyons, Boston, Mass., and three-eighths to J. A. Cordeau, Saco, Maine. Upper treating device. 2,191,416; Feb. 20.
Vance, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Measuring system. 2,190,743; Feb. 20.
Vander Clute, William W., Elizabeth, N. J. Price tag molding. 2,190,958; Feb. 20.
Van der Jagt, Barend G. H., Flixecourt, France. Forming slivers from coconut fibers. 2,190,744; Feb. 20.
Van Horn, Harrison, Mount Vernon, N. Y. Candle lighter and extinguisher. 2,191,302; Feb. 20.
Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company. Electric incandescent lamp. 2,191,331; Feb. 20.
Vanneman, Daniel R. (See Zerk, O. U., and Vanneman.)
Van Stone, Clifford E., and A. E. Johnson, Taft, Calif. Hydrostatic bailer. 2,191,223; Feb. 20.
Van Veen, Anton, West Hartford, Conn., assignor to American Machine & Foundry Company. Expansion chamber construction. 2,191,303; Feb. 20.
Van Veen, George C., Chicago, Ill., assignor to The Pharis Tire & Rubber Company, Newark, Ohio. Educational display device. 2,190,898; Feb. 20.
Van Zeeland, Joseph W., Kimberly, Wis. Attachment for trowels. 2,190,811; Feb. 20.
Vasarhely, Frank, Cleveland, Ohio. Vehicle direction signal. 2,191,001; Feb. 20.
Vaughan, William, Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y. Conditioning water. 2,190,853; Feb. 20.
Velasco, Arsenio R., and W. Wyllie, Talisay, Occidental Negros, P. I. Save-all. 2,191,052; Feb. 20.
Vierling, Frank J., Minneapolis, Minn. Gauge. 2,190,899; Feb. 20.
Vilsmeier, Anton. (See Neresheimer, H., and Vilsmeier.)
Vogt, Hans, Berlin-Wilmersdorf, and J. Engl, and J. Massolle, Berlin-Grunewald, Germany, assignors to American Tri-Ergon Corporation, New York, N. Y. Sound reproducing apparatus. 2,191,404; Feb. 20.
Volkert, George, Superior, Wis. Bottle washing machine. 2,191,002; Feb. 20.
Vollmer, Hermann, New York, N. Y. Patch test strip. 2,190,745; Feb. 20.
Von Forster, Hermann. (See Schunck, Max, assignor.)
Von Glahn, William H. (See Walsh, W. L., and von Glahn.)
Von Glahn, William H., Loudonville, N. Y., assignor to General Aniline & Film Corporation. Water soluble naphthol compounds and preparing same. 2,190,746; Feb. 20.
Von Haase, Anthony. (See Campbell, L., Jr., and von Haase.)
Von Tavel, Hesper, assignor to Scintilla Ltd., Soleure, Switzerland. Motion transmitting mechanism. 2,190,900; Feb. 20.
Von Thyssen-Bornemisza, Stephan Baron, Hanover, Germany, assignor to Shell Development Company, San Francisco, Calif. Gravity measuring instrument. 2,190,959; Feb. 20.
Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees.)
Voorheis, Frank F., Downers Grove, Ill. Toy wagon. 2,191,184; Feb. 20.
Voorhis, Gordon, assignor to Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y. Soap dispenser. 2,191,003; Feb. 20.
Voorhis-Tiebout Company. (See Voorhis, Gordon, assignor.)
Wade, Kenneth L., New York, N. Y. Incandescent lamp. 2,191,189; Feb. 20.
Wafl-Berger, Inc. (See Fink, Fred B., assignor.)
Wagler, Karl F., and G. A. Roach, Youngstown, Ohio. Easel for cemetery wreaths. 2,190,960; Feb. 20.
Wagner Electric Corporation. (See Boldt, Werner F., assignor.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner Electric Corporation. (See Potter, Charles P., assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner, Gilbert F. (See Snyder, Raymond M., assignor.)
Wagner, Quillar I., Villa Park, Ill. Heating apparatus. 2,191,064; Feb. 20.
Wahlmark, Gunnar A., Rockford, Ill. Hydraulic motor or pump. 2,190,812; Feb. 20.
Walker, Cassius M. (See Acree, J. F., Rizer, and Walker.)
Walker, Kate E., Oklahoma City, Okla. Portable hand loom. 2,190,813; Feb. 20.
Walker-Turner Company. (See Ocenasek, William F., assignor.)
Wallace, Henry A., as Secretary of Agriculture of the United States of America, and his successors in office. (See Smith, Lloyd E., assignor.)
Walmsley, William, Chicago, Ill. Reference cabinet. 2,190,814; Feb. 20.
Walsh, William L., East Greenbush, and W. H. von Glahn, Loudonville, N. Y., assignors to General Aniline & Film Corporation. Water soluble naphthol compounds and preparing same. 2,190,747; Feb. 20.
Walter, Hans, assignor to Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Preparation of addition products of acetylene. 2,191,053; Feb. 20.
Walton, George M. (See Schaaf, A. E., Walton, and Glanzer.)
Ward Baking Company. (See Hoffman, C., Dalby, and Schweitzer, assignors.)
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Ironing machine. 2,191,332; Feb. 20.
Waring, Charles E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,191,263; Feb. 20.
Warmka, William E., Wells, Minn. Fence post. 2,191,124; Feb. 20.
Webber, George D., assignor to Webber Metric Gage Company, Cleveland, Ohio. Measuring instrument. 2,190,961; Feb. 20.
Webber Metric Gage Company. (See Webber, George D., assignor.)
Weber, John J. (See George, S. C., and Weber.)
Welhe, Hermann K., Berlin, Germany. Cylinder for hydraulic brakes. 2,191,054; Feb. 20.
Weiser, Hanley H. (See Deitz, L. S., Jr., and Weiser.)
Welch, Herman J., Waukesha, Wis. Archery sight device. 2,191,207; Feb. 20.
Welch, Orin, South Bend, Ind. Inflatable tire. 2,190,905; Feb. 20.
Wenczler, Ludwig, Berlin-Nikolassee, Germany. Automatic focusing device. 2,190,815; Feb. 20.
Wenzky, Karl, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Telephone set for communication in airplanes. 2,191,055; Feb. 20.
Wenger, Floyd E., assignor to R. L. Triplett, Bluffton, Ohio. Tube tester. 2,190,962; Feb. 20.
Werner, Ralph M., Brooklyn, N. Y. Roof support for vehicle bodies. 2,191,264; Feb. 20.
Werner, William F. (See Carew, P. T., and Werner.)
West Virginia Pulp & Paper Company. (See Rawling, Francis G., assignor.)
Westenbarger, Harvey O., Sapulpa, Okla. Back rest. 2,191,360; Feb. 20.
Western Electric Company. (See Barker, Virgil D., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Westling, Eric A., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Windshield conduit. 2,191,164; Feb. 20.
Wettstein, Albert. (See Miescher, K., and Wettstein.)
Wheeler, Harley T., Dallas, Tex. Segmental metallic packing ring. 2,191,265; Feb. 20.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation, Antenna. 2,190,816; Feb. 20.
Wheeler, William H., assignor to F. J. Casey, Denver, Colo. Piston expander. 2,190,963; Feb. 20.
Whitcomb, Loren W., Glendale, assignor to L. J. Gauthier, Los Angeles, Calif. Fishing reel. 2,191,004; Feb. 20.
White, Samuel O., Muncie, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission synchronizer. 2,190,964; Feb. 20.
Whitlock Cordage Company. (See Whitlock, Harold A., assignor.)
Whitlock, Harold A., assignor to Whitlock Cordage Company, New York, N. Y. Fiber rope structure. 2,190,854; Feb. 20.
Whitney Metal Tool Company. (See Jensen, John, assignor.)
Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 2,191,065; Feb. 20.
Wick, Georg, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial materials. 2,191,056; Feb. 20.
Wickens, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locating device. 2,190,855; Feb. 20.
Widmer, Gustav, Basel, and W. Fisch, Muttenz, near Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Treatment of textile materials. 2,191,362; Feb. 20.
Widmer, Gustave, W. Fisch, and J. Jakl, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Manufacture of aminotriazine. 2,191,361; Feb. 20.
Wiggins, Edward J., assignor to J. Galter, Chicago, Ill. Electrically heated steam iron. 2,190,903; Feb. 20.
Wiggins, Edward J., assignor to J. Galter, Chicago, Ill. Electrically heated steam iron. 2,190,904; Feb. 20.
Wilcox, Eugene D. and J. R., Tyler, Tex. Drill hole apparatus. 2,190,901; Feb. 20.
Wilcox, John R. (See Wilcox, Eugene D. and J. R.)

Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wilkoff, Louis C., Youngstown, Ohio, assignor, by mesne assignments, to Youngstown Steel Car Corporation. Hatch frame. 2,190,690; Feb. 20.
Willey, Richard W. (See Richardson, B. E., and Willey.)
Willgoos, Andrew V. D., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cylinder valve. 2,191,333; Feb. 20.
Williams, Chester I., Grand Rapids, Mich. Securing device for concrete forms. 2,190,748; Feb. 20.
Williams, Ira, Woodstown, and C. C. Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Softening rubber. 2,191,266; Feb. 20.
Williams, W. Horace, Company. (See Cappel, Curry G., assignor.)
Willson, Lester E., Streator, Ill. Building wall structure. 2,191,267; Feb. 20.
Wilson, Ira G. (See Edson, J. O., and Wilson.)
Wimsatt, Thomas W., Kansas City, Mo. Wood splitting tool. 2,190,902; Feb. 20.
Winans, William M., Monrovia, Calif. Garage door. 2,191,363; Feb. 20.
Winthrop Chemical Company. (See Pfaff, K., and Erlenbach, assignors.)
Wire Tie Machinery Company. (See Parker, George D., assignors.)
Wise, Leo V., Detroit, Mich. Fishing tackle. 2,191,244; Feb. 20.
Wisfeld, Werner, assignor to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Main, Germany. Determining the utility of carbons for depolarizing electrodes. 2,190,817; Feb. 20.
Wittel, Otto. (See Miller, F. C., Wittel, and Lyman.)
Wolff, Hanns-Heinz, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Impulse generating arrangement. 2,191,185; Feb. 20.
Wood, Edward L., Detroit, Mich. Filter. 2,190,965; Feb. 20.
Wood, Gar, Industries, Inc. (See Adams, William J., assignor.)
Wood, John, Manufacturing Company. (See Retsema, Jay, assignor.)
Woodling, George V., Cleveland, Ohio, assignor to General Motors Corporation. Air conditioning. 2,191,208; Feb. 20.
Woolley, Vasser, assignor to Seydel-Woolley & Company, Atlanta, Ga. Producing fuzzy or imitation fiber yarn from continuous filament yarns. 2,191,417; Feb. 20.
Worne, Howard, Newark, N. J., assignor to S. Brass, New York, N. Y. Antiseptic preparation. 2,190,749; Feb. 20.
Wortendyke Manufacturing Company. (See Thomson, William M., assignor.)
Wright, Charles F., Akron, Ohio, assignor to The Diamond Match Company, New York, N. Y. Applying match ignition material to book matches, etc. 2,191,149; Feb. 20.
Wylie, Charles A., San Bernadino, Calif. Combination bassinet and carriage. 2,191,005; Feb. 20.
Wyllie, William. (See Velasco, A. R., and Wyllie.)
Wysong, Charles F., Atlanta, Ga. Metal tiling. 2,190,818; Feb. 20.
Young, Frank M., Kissimmee, Fla., assignor to The Maytag Company, Newton, Iowa. Gearshift for washing machine wringers. 2,190,856; Feb. 20.
Youngstown Steel Car Corporation. (See Wilkoff, Louis C., assignor.)
Yuchtmann, Robert A., Weston, W. Va. Glass working tool. 2,191,245; Feb. 20.
Zeiss Ikon Aktiengesellschaft. (See Hintze, H., and Illgen, assignors.)
Zeiss Ikon Aktiengesellschaft. (See Küppenbender, Heinz, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Nerwin, Hübert, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Sauer, H., and Görlich, assignors.)
Zerk, Oscar U., and D. R. Vanneman, Chicago, Ill.; said Vanneman assignor to said Zerk. Refrigerant system operable by variable speed compressors including means for controlling compressor capacity. 2,191,102; Feb. 20.
Zervas, Paul, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation. Polyazo dyestuffs. 2,190,750; Feb. 20.
Zerweck, Werner, and W. Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs insoluble in water. 2,191,103; Feb. 20.
Zerweck, Werner, and J. Riedmair, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinone series. 2,190,751; Feb. 20.
Zetzsche, Walther. (See Kleine, J., Zetzsche, and Saffert.)
Zeun, Louis H., assignor to Peter Paul, Inc., Naugatuck, Conn. Machine for patting candy. 2,191,268; Feb. 20.
Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 2,190,966; Feb. 20.
Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 2,190,967; Feb. 20.
Zugschwerdt, Werner H. (See McNally, J. G., Dickey, and Zugschwerdt.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for the detection of displacements. R. Gunn. Re. 21,361; Feb. 20.
Attachment for windshield wipers. M. L. Ryan. Re. 21,367; Feb. 20.
Broadcast and wave selector, Automatic electrical. A. W. Plensler. Re. 21,366; Feb. 20.
Chime, Musical. L. M. Alexander. Re. 21,370; Feb. 20.
Gases, Purifying. H. B. Cooke. Re. 21,358; Feb. 20.
Photographing apparatus. G. L. McCarthy and A. Novick. Re. 21,365; Feb. 20.
Refrigeration. R. L. Hallock. Re. 21,362; Feb. 20.
Refrigerator. C. E. L. Lipman. Re. 21,364; Feb. 20.
SO_2 from acid sludge, Production of. F. J. Bartholomew. Re. 21,357; Feb. 20.
Shaving device and motor therefor. R. Knapp. Re. 21,363; Feb. 20.
Ship construction. H. P. Frear. Re. 21,359; Feb. 20.
Water block or dam forming device. R. H. Smith. Re. 21,368; Feb. 20.
Welding apparatus. R. N. Stoddard and E. H. Vedder. Re. 21,369; Feb. 20.
Wire cloth, Manufacture of paper maker's. W. D. T. Green. Re. 21,360; Feb. 20.

LIST OF DESIGN INVENTIONS

Air conditioning unit. T. L. C. Rogers. 119,051; Feb. 20.
Airplane. C. H. Miller. 119,071; Feb. 20.
Ashtray. S. L. Fisher. 119,086; Feb. 20.
Barrette. D. D. Whyte. 119,082; Feb. 20.
Bottle. W. R. Leach. 119,088–9; Feb. 20.
Cabinet, Automotive merchandising service. A. P. Fox and A. D. Reisert. 119,063; Feb. 20.
Cabinet or the like. G. L. McCarthy. 119,042; Feb. 20.
Cabinet, Vending. S. Rocklin. 119,050; Feb. 20.
Case, Lipstick. F. McIntosh. 119,043; Feb. 20.
Chair. J. H. Page. 119,047–8; Feb. 20.
Clip, Pin. O. Pennino. 119,091; Feb. 20.
Clip, Pin. A. Philippe. 119,092–105; Feb. 20.
Clip, Pin. J. Wuyts. 119,107–8; Feb. 20.
Coat. A. Miele. 119,113; Feb. 20.
Coat. S. Stimell. 119,114; Feb. 20.
Coat. H. Zuckerman. 119,109; Feb. 20.
Container closure and spray gun unit for coating materials or the like, Combined. G. W. Tammen. 119,053; Feb. 20.
Container, Edible. D. A. Hoffman. 119,040; Feb. 20.
Container for signal flag, fuse, and torpedo, Combination. M. J. Freemark. 119,087; Feb. 20.
Curtain hook. B. H. Bandell. 119,058; Feb. 20.
Dress. C. Charles. 119,060–1; Feb. 20.
Dress. C. Charles. 119,139; Feb. 20.
Dress. S. Faden. 119,123; Feb. 20.
Dress. C. Frankel. 119,141; Feb. 20.
Dress. T. M. Fritz. 119,125; Feb. 20.
Dress. M. Jacobson. 119,127; Feb. 20.
Dress. B. Kleinman. 119,066–7; Feb. 20.
Dress. S. Kronenfeld. 119,068; Feb. 20.
Dress. S. Novak. 119,133; Feb. 20.
Dress. A. Ofshe. 119,143; Feb. 20.
Dress. S. J. Poster. 119,144; Feb. 20.
Dress. B. Ringel. 119,072; Feb. 20.
Dress. K. Rost. 119,075; Feb. 20.
Dress. M. Tint. 119,149; Feb. 20.
Dress. M. Tolosi. 119,079–80; Feb. 20.
Dress. L. Zahn. 119,121; Feb. 20.
Dress. J. Zinn. 119,083; Feb. 20.
Dress. J. Zinn. 119,090; Feb. 20.
Dress. J. Zinn. 119,150; Feb. 20.
Dress ensemble. S. Etkin. 119,140; Feb. 20.
Dress ensemble. S. Faden. 119,124; Feb. 20.
Dress ensemble. P. Heit. 119,142; Feb. 20.
Dress ensemble. E. Kaye. 119,128–30; Feb. 20.
Dress ensemble. S. Kuznetz. 119,069. Feb. 20.
Dress ensemble. C. Mazola. 119,070; Feb. 20.
Dress ensemble. S. Novak. 119,134–7; Feb. 20.
Dress ensemble. S. J. Poster. 119,119; Feb. 20.
Dress ensemble. S. Rosen. 119,074; Feb. 20.
Dress ensemble. S. Rosen. 119,120; Feb. 20.
Dress ensemble. S. Rosen. 119,145; Feb. 20.
Dress ensemble. J. Siegel. 119,077; Feb. 20.
Fabric, Embroidered. J. Aarons. 119,116; Feb. 20.
Fabric or similar article, Textile. M. Turpan. 119,106; Feb. 20.
Fabric or similar article, Textile. M. Turpan. 119,115; Feb. 20.
Fabric, Textile. A. Goldenheim. 119,111–12; Feb. 20.
Fabric, Textile. B. Kleinman. 119,118; Feb. 20.
Fabric, Textile. S. B. Musson. 119,132; Feb. 20.
Fabric, Textile. C. A. Tips. 119,138; Feb. 20.
Filter, Coffee maker. E. L. Wood. 119,057; Feb. 20.
Food shell, Edible. B. B. Tolmack. 119,054; Feb. 20.
Form for haberdashery, Display. A. E. Orloff. 119,046; Feb. 20.
Fusee dispenser. C. M. Bolser. 119,033; Feb. 20.
Game board. D. L. Alger. 119,032; Feb. 20.
Handbag. E. Rosenberg. 119,146; Feb. 20.
Handbag or the like. A. Schenker. 119,147–8; Feb. 20.
Heater, Electric. J. J. Gough. 119,064; Feb. 20.
Holder for condiments or the like. A. Dekarski. 119,084; Feb. 20.
Jacket. E. Bauer. 119,122; Feb. 20.
Knife, Paring. H. Barbier. 119,059; Feb. 20.
Lace. H. Glebel. 119,117; Feb. 20.
Lamp unit, Electric. S. M. Dover. 119,085; Feb. 20.
Punch board or similar article. W. B. Vandegrift. 119,055; Feb. 20.
Rack, Display. G. C. Gill. 119,034; Feb. 20.
Rack for neckties or the like, Display. W. Seidler. 119,076; Feb. 20.
Rack, Tie. A. A. Nu-Dell. 119,045; Feb. 20.
Ring, Wedding. M. Sherman. 119,052; Feb. 20.
Roller, Foot. B. L. Lindgren. 119,035; Feb. 20.
Rug. L. Biva. 119,110; Feb. 20.
Rug. S. C. Halladay. 119,126; Feb. 20.
Scale and mirror, Combined weighing. B. S. Watling. 119,056; Feb. 20.
Shears. L. Guild. 119,038; Feb. 20.
Sign. C. H. Macdonald and L. Rackham. 119,041; Feb. 20.
Stapling machine. C. I. Tager. 119,078; Feb. 20.
Stocking. W. N. Minkel. 119,131; Feb. 20.
Stove. E. A. Chindlund. 119,062; Feb. 20.
Sunglasses. M. Rochas. 119,073; Feb. 20.
Support for a domestic range, Utensil. J. F. Hennessy. 119,039; Feb. 20.
Tool head, Garden. A. N. Naciopoulos. 119,044; Feb. 20.
Toy. A. Ferrer. 119,036; Feb. 20.
Toy. J. Pavlicek. 119,049; Feb. 20.
Toy figure. J. E. Frick. 119,037; Feb. 20.
Utensil for eggs, hamburger, pancakes, sandwiches or the like, Cooking. T. Weststrang. 119,081; Feb. 20.
Wringer. J. J. Gough. 119,065; Feb. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abietyl derivatives and producing, Organic sulphonated hydrogenated. A. L. Rummelsburg. 2,190,734; Feb. 20.
Abrasive detergent composition. R. E. Hall. 2,191,199; Feb. 20.
Absorbent and ion exchanging materials, Manufacture of. P. Smit. 2,191,063; Feb. 20.
Acetylene, Continuous production of polymerization products of. R. Stadler and A. Auerhahn. 2,191,088; Feb. 20.
Acetylene, Preparation of addition products of. H. Walter. 2,191,053; Feb. 20.
Acid amides of the cyclopentanopolyhydrophenanthrene series, Carboxylic. K. Miescher and A. Wettstein. 2,191,394; Feb. 20.
Acid, Concentrating sulphuric. A. B. Brown and D. W. Bransky. 2,191,195; Feb. 20.
Advertising device or toy. H. K. Murphy. 2,190,800; Feb. 20.
Air circulating device. A. E. Guth. 2,190,945; Feb. 20.
Air cleaner. F. P. Bingman. 2,191,187; Feb. 20.
Air conditioning. G. V. Woodling. 2,191,208; Feb. 20.
Air conditioning apparatus. W. S. Somers. 2,190,998; Feb. 20.
Air conditioning system. H. Byland. 2,190,822; Feb. 20.
Aircraft wing. A. P. de Seversky. 2,191,342; Feb. 20.
Air heating apparatus. W. S. Somers. 2,190,997; Feb. 20.
Airplanes, System for the automatic control of. E. Fischel. 2,191,250; Feb. 20.
Alcohol containing dibutyl ether, Denatured. L. J. Figg, Jr., and J. W. Rhea. 2,191,032; Feb. 20.
Alcohol containing dimethallyl ether, Denatured. L. J. Figg, Jr. 2,191,031; Feb. 20.
Alloy: *See*—
Permanent magnet alloy.
Alloys. Corrosion resistant. W. M. Kay. 2,190,840; Feb. 20.
Alloys resistant to burning and scaling. W. Guertler. 2,190,781; Feb. 20.
Aluminum chloride, Producing. P. Kühnel. 2,190,913; Feb. 20.
Aluminum to copper connector. W. Cook. 2,190,824; Feb. 20.
Amino-triazine, Manufacture of. G. Widmer, W. Fisch, and J. Jakl. 2,191,361; Feb. 20.
Amplifier. J. O. Edson and I. G. Wilson. 2,191,167; Feb. 20.
Angles, Rolling. J. M. Hooper. 2,191,390–1; Feb. 20.
Animal trap. E. Docken. 2,191,274; Feb. 20.
Antenna. H. A. Wheeler. 2,190,816; Feb. 20.
Anthraquinone compounds and coloring therewith. J. G. McNally and J. B. Dickey. 2,191,029–30; Feb. 20.
Antiseptic preparation. H. Worne. 2,190,749; Feb. 20.
Antistall device. J. Schweiss. 2,190,738; Feb. 20.
Apparatus for amplifying electrical vibrations. C. O. Browne and F. Blythen. 2,190,753; Feb. 20.
Apparatus for conditioning air. T. D. Adair. 2,191,224; Feb. 20.
Apparatus for controlling fluids in oil wells. R. L. Chenault. 2,191,370; Feb. 20.
Apparatus for cutting sheet material. A. C. Perbal. 2,191,148; Feb. 20.
Apparatus for determining the inclination and direction of a hole. G. Potapenko. 2,190,950; Feb. 20.
Apparatus for feeding aggregate. S. L. McCurdy. 2,191,096; Feb. 20.
Apparatus for forming sheet metal. H. E. Guerin. 2,190,659; Feb. 20.
Apparatus for handling coal. M. A. Matthews. 2,191,322; Feb. 20.
Apparatus for heat treating. J. L. Pearson. 2,191,133; Feb. 20.
Apparatus for making bead cores for pneumatic tires. F. J. Shook. 2,190,805; Feb. 20.
Apparatus for molding brick steps. P. Otto. 2,190,801; Feb. 20.
Apparatus for the electric transmission at a distance of rotary velocities. K. Pestalozzi. 2,191,083; Feb. 20.
Apparel, Making wearing. A. J. Steinberger. 2,190,807; Feb. 20.
Applicator for use in short wave radio therapy, Electrode. F. N. Lewis. 2,191,080; Feb. 20.
Applicator, Fountain. O. J. Brown. 2,190,975; Feb. 20.
Archery sight device. H. J. Welch. 2,191,207; Feb. 20.
Article loading device. G. W. Ashlock, Jr. 2,190,970; Feb. 20.
Articles, Making compressed wooden. R. R. Clark and H. G. Swarr. 2,191,069; Feb 20.
Aryl sulphates, Manufacture of alkyl substituted. J. L. Richmond. 2,190,733; Feb. 20.

Attachment for trowels. J. W. Van Zeeland. 2,190,811; Feb. 20.
Attachment unit with multicornered shank. F. N. Ross. 2,191,192; Feb. 20.
Atomizer of the Venturi type, Fuel. W. J. Linn. 2,191,218; Feb. 20.
Automatic gaff hook. W. R. Keehn and J. A. Doerfer. 2,191,170; Feb. 20.
Automatic receptacle lock. J. Garthe. 2,191,251; Feb. 20.
Automobile body construction. J. M. Atwater. 2,191,269; Feb. 20.
Automobile door handle. M. J. Roach. 2,190,951; Feb. 20.
Automobile heater. H. J. De N. McCollum. 2,191,173–8; Feb. 20.
Back rest. H. O. Westenbarger. 2,191,360; Feb. 20.
Bag filling and weighing device. J. J. and H. G. Neuman. 2,191,147; Feb. 20.
Bailer, Hydrostatic. C. E. Van Stone and A. E. Johnson. 2,191,223; Feb. 20.
Bait, Illuminated. K. R. Larson. 2,190,791; Feb. 20.
Bassinet and carriage, Combination. C. A. Wylie. 2,191,005; Feb. 20.
Bat, Table tennis. G. H. Perryman. 2,191,287; Feb. 20.
Battery, Storage. H. W. Carlisle. 2,191,313; Feb. 20.
Bed. I. Hernandez. 2,191,387; Feb. 20.
Bending brake. J. Jensen. 2,190,839; Feb. 20.
Bending machine. R. W. Broomham. 2,190,821; Feb. 20.
Bituminous materials. H. Dohse and F. Spoun. 2,191,295; Feb. 20.
Blackboard and making the same. R. W. Shenton. 2,191,099; Feb. 20.
Blind equipment, Venetian. A. L. Rosenstein. 2,190,884; Feb. 20.
Block: *See*—
Building block. Tail block.
Blowpipe. R. J. Kehl. 2,191,078; Feb. 20.
Body developing and correcting apparatus. L. A. Turpin. 2,190,895; Feb. 20.
Body dumping mechanism. H. C. Frentzel, Jr., and C. G. Novotny. 2,190,870; Feb. 20.
Boiler. E. S. Cornell, Jr. 2,191,427; Feb. 20.
Book for data cards, Filing. A. L. Christiansen and L. J. Boynton. 2,191,425 Feb. 20.
Book, Ticket. J. A. Bryce. 2,191,067 Feb. 20.
Boot, Ventilated. L. G. Powell. 2,190,802; Feb. 20.
Bottle breaker. A. Boedeker. 2,190,971; Feb. 20.
Bottle washing machine. J. R. Dostal. 2,191,227; Feb. 20.
Bottle washing machine. G. Volkert. 2,191,002; Feb. 20.
Box: *See*—
Dice box.
Box making machine. C. Straw. 2,191,330; Feb. 20.
Box or carton, Collapsible. G. C. Nydegger. 2,190,846; Feb. 20.
Brace, Strainer bowl. J. G. Jackson. 2,190,987; Feb. 20.
Bracelet, Wrist watch. T. Lundman. 2,190,878; Feb. 20.
Bracket: *See*—
Shade-roller bracket.
Brake: *See*—
Bending brake. Electromagnetic brake.
Clasp brake. Roller skate brake.
Brake cylinder, Hydraulic. J. W. Leighton. 2,190,719; Feb. 20.
Brake system, Trailer. R. C. Hoyt. 2,191,318; Feb. 20.
Brake tester. O. H. Fowler. 2,190,833; Feb. 20.
Braking mechanism. B. Dick. 2,190,978–9; Feb. 20.
Braking system, Fluid. W. R. Freeman. 2,190,981; Feb. 20.
Bricks, Method and apparatus for making. G. W. and L. A. Denison. 2,191,106; Feb. 20.
Brines, Purifying. J. B. Pierce, Jr. 2,191,411; Feb. 20.
Brush case. W. A. Brune. 2,190,696; Feb. 20.
Brush, Ventilated rotary. L. H. Nielsen. 2,191,115; Feb. 20.
Buckle. R. E. Dowd. 2,191,228; Feb. 20.
Buckle. A. Johnson. 2,191,210; Feb. 20.
Buffer and coupling device. Cushioned. E. R. Schroeder. 2,190,737; Feb. 20.
Building block. B. Liebowitz. 2,191,217; Feb. 20.
Building construction. C. J. Sullivan. 2,191,123; Feb. 20.
Bulb and socket construction, Miniature. M. Klein and W. E. Pfeffer. 2,190,875; Feb. 20.
Bumper and coupling, Mine car spring. H. H. Pancake. 2,190,730; Feb. 20.
Bumper, Automobile. D. J. Cavanaugh. 2,191,368; Feb. 20.
Bundle binding and tying machine. G. D. Parker. 2,191,082; Feb. 20.

Burner: *See*—
Fluid fuel burner. Gas burner.
Cabinet: *See*—
Household cabinet. Reference cabinet.
Cabinet construction. F. J. Osuch. 2,191,116; Feb. 20.
Cable lock. A. Hauer. 2,190,661; Feb. 20.
Calculating mechanism. H. J. Furber. 2,190,710; Feb. 20.
Calendering apparatus, Paper. D. G. Gardner. 2,190,941; Feb. 20.
Camera and view finder, Combined photographic. L. Leitz and W. Albert. 2,191,281; Feb. 20.
Camera, Photographic. H. Nerwin. 2,190,729; Feb. 20.
Camouflaging. M. Barclay. 2,190,691; Feb. 20.
Camshaft treating machine. D. J. Campbell. 2,190,931; Feb. 20.
Canopy for beds, Air conditioned. C. C. Matheny. 2,191,024; Feb. 20.
Cap: *See*—
Safety hub cap.
Car: *See*—
Railway container car. Vehicle transporting car.
Car truck. R. C. Hobson. 2,190,643; Feb. 20.
Car unloading. J. C. McKenna. 2,190,726; Feb. 20.
Carbonaceous materials with hydrogenating gases, Reaction on. M. Pier, W. Simon, and W. Kroenig. 2,191,156; Feb. 20.
Carbons for depolarizing electrodes, Determining the utility of. W. Wisfeld. 2,190,817; Feb. 20.
Carrier: *See*—
Transparency carrier.
Carriers, Making bottle. H. Z. Gray. 2,191,197; Feb. 20.
Cars, Unloading freight. J. C. McKenna. 2,190,727; Feb. 20.
Cart. R. M. Snyder. 2,191,327; Feb. 20.
Carton structure. L. W. Reaume. 2,191,180; Feb. 20.
Case: *See*—
Brush case. Portfolio case.
Case and forming same, Rim reinforced. C. F. Smith. 2,191,291; Feb. 20.
Case for thread braids, Sewing. D. Goldman. 2,190,873; Feb. 20.
Casting. L. S. Deitz, Jr., and H. H. Weiser. 2,190,828; Feb. 20.
Cellulose derivative emulsions. A. Dreyling and W. W. Lewers. 2,190,705; Feb. 20.
Cellulose derivatives, Dyeing of. P. C. E. J. Corbière. 2,190,825; Feb. 20.
Centrifugal pump. J. Mann. 2,190,670; Feb. 20.
Cereal, Exploded. W. J. Plews. 2,190,949; Feb. 20.
Chain: *See*—
Cutter chain. Dobby chain.
Chair. D. W. Robertson. 2,191,159; Feb. 20.
Chamber construction. Expansion. A. Van Veen. 2,191,303; Feb. 20.
Check roll holder. E. A. Haveles. 2,190,985; Feb. 20.
Cholesterol, Preparing. J. D. Porsche and F. J. Solms. 2,191,260; Feb. 20.
Chuck, Wedge type. A. E. Church. 2,191,371; Feb. 20.
Circuit: *See*—
Electric translation circuit. Electric valve circuit.
Resonant circuit.
Circuit controller. C. Mendez. 2,191,216; Feb. 20.
Circuit for electric valve apparatus, Starting. E. E. Moyer. 2,190,799; Feb. 20.
Clamp: *See*—
Rod clamp.
Clamping device, Heel breast covering. G. F. Lybrook. 2,191,110; Feb. 20.
Clamping means for mirrors for motor vehicles. A. W. Rosen. 2,191,085; Feb. 20.
Clasp brake. W. H. Baselt. 2,191,138; Feb. 20.
Clasp, Jewelry. H. Radzinsky. 2,191,084; Feb. 20.
Cleaner: *See*—
Air cleaner. Windshield cleaner.
Cleaner, antechamber type, Air-method. D. B. Replogle. 2,190,678; Feb. 20.
Cleaning device. W. J. Turpin. 2,191,243; Feb. 20.
Clipper, Rotatively oscillatable hair. F. Fishbein and J. Harr. 2,191,073; Feb. 20.
Closure, High pressure. G. L. Kothny. 2,190,716; Feb. 20.
Closure, Pressure-seated. F. C. Barber. 2,191,066; Feb. 20.
Clutch and brake mechanism, Hydraulic. M. Kessler. 2,191,320; Feb. 20.
Clutch plate. J. V. O. Palm and H. W. Luetkemeyer. 2,190,994; Feb. 20.
Clutch pressure plate. G. T. Jarrett. 2,190,874; Feb. 20.
Cock, Gauge. J. W. Ellis and W. J. Davidson. 2,190,938; Feb. 20.
Collapsible table. W. V. Bussey. 2,191,007; Feb. 20.
Coloring, Process of. J. G. McNally, J. B. Dickey, and W. H. Zugschwerdt. 2,191,040; Feb. 20.
Comb, Vanity. W. Harmon. 2,191,254; Feb. 20.
Combinations of a source of radiation with material adapted to be excited to luminescence by the radiation. A. H. McKeag and J. T. Randall. 2,191,351; Feb. 20.
Compass, Radio. F. J. Hooven. 2,190,787; Feb. 20.
Composition for the treatment of synthetic warp yarns. W. G. Faw. 2,191,033; Feb. 20.
Composition of matter. E. K. Ellingboe and P. L. Salzberg. 2,190,776; Feb. 20.
Condensation product of the perylene series. H. Neresheimer and A. Vilsmeier. 2,191,114; Feb. 20.
Condenser: *See*—
Electrolytic condenser.
Condenser arrangement, Elastic fluid turbine. J. H. Doran. 2,191,343; Feb. 20.
Conductor system for transmission of electrical power, Coaxial. W. S. Duttera. 2,191,071; Feb. 20.
Conduit, Windshield. E. A. Westling. 2,191,164; Feb. 20.
Confection and coating, Frozen. S. Oprean. 2,191,352; Feb. 20.
Confection freezing apparatus, Continuous. C. Erickson and E. Spellman. 2,191,344; Feb. 20.
Connection, Eyeglass temple. G. C. Greene. 2,191,252; Feb. 20.
Connection, Flexible driving. J. W. Barcus. 2,190,857; Feb. 20.
Connection, Iron cord. I. Dorman. 2,191,011; Feb. 20.
Connector: *See*—
T connector.
Connector and switch, Combined. L. W. Cook. 2,191,339; Feb. 20.
Connector device, Electrical. C. G. Olson. 2,191,297; Feb. 20.
Contract plug. W. P. Herman. 2,191,384–5; Feb. 20.
Container: *See*—
Match container. Sifter top container.
Metallic container.
Container. R. L. Sayre. 2,190,803; Feb. 20.
Container construction. M. P. Link. 2,190,990; Feb. 20.
Container for ice cream sundaes. H. Boyd. 2,190,930; Feb. 20.
Control apparatus. V. D. Barker. 2,190,820; Feb. 20.
Control for radio apparatus, Automatic. S. J. Cole. 2,190,699; Feb. 20.
Control system for polyphase motors. C. P. Potter. 2,191,158; Feb. 20.
Cooking apparatus. J. J. Morris. 2,191,284–6; Feb. 20.
Cooling device. S. T. Trice. 2,191,050; Feb. 20.
Copolymers of styrene with oiticica oil or its derivatives. S. L. Bass, S. M. Stoesser, and R. D. Lowry. 2,190,915; Feb. 20.
Core with constant permeability, Magnetic. S. G. Hale and C. D. Owens. 2,191,151; Feb. 20.
Couch, Studio. J. F. Andrews. 2,190,819; Feb. 20.
Coupling for vacuum cleaners, Converter. L. W. Pardee. 2,190,882; Feb. 20.
Cover installation, fastener for the same, and attaching same, Slip. W. I. Jones. 2,191,430; Feb. 20.
Covering for crayons, Protective. E. S. Garvey. 2,190,942; Feb. 20.
Crane, Portable collapsible. H. D. Rogers. 2,191,181; Feb. 20.
Curtain and drapery support. C. W. Arnold. 2,190,764; Feb. 20.
Curtain, curtain stretcher, and stretcher clamp. F. W. Schimmel. 2,190,888; Feb. 20.
Cutter chain. C. F. Osgood. 2,190,674; Feb. 20.
Cylinder for hydraulic brakes. H. K. Weihe. 2,191,054; Feb. 20.
Deep well tool. I. Thomas. 2,191,000; Feb. 20.
Desk construction. B. E. Richardson and R. W. Willey. 2,191,290; Feb. 20.
Developer containing amines, Color forming. L. D. Mannes and L. Godowsky, Jr. 2,191,037; Feb. 20.
Device and method for handling eggs. R. C. Potts. 2,191,061; Feb. 20.
Device for putting new toe coverings on shoes. I. Guss. 2,191,230; Feb. 20.
Diaminodiarylketones and product thereof, Manufacture of. G. Reddelien and G. Matthaeus. 2,190,732; Feb. 20.
Dice box. R. S. Robinson. 2,191,160; Feb. 20.
Direction of rotation responsive switch. H. A. Satterlee. 2,190,682; Feb. 20.
Direction signal switch. H. G. Clifton. 2,190,772; Feb. 20.
Discharge device. E. Germer. 2,190,657; Feb. 20.
Disk for multiple disk brakes, Friction. A. A. Benson. 2,190,767; Feb. 20.
Dispenser: *See*—
Soap dispenser.
Display rack. R. Patterson. 2,190,675; Feb. 20.
Dissolving, softening, and gelatinizing agent. R. Endres. 2,191,428; Feb. 20.
Distributor. C. G. Filler. 2,190,655; Feb. 20.
Dobby chain. W. B. Harris. 2,190,837; Feb. 20.
Dog, Work. C. D. Mack. 2,191,111; Feb. 20.
Door: *See*—
Garage door.
Door and folding skirt arrangement, Car side. K. W. Brittain. 2,190,694; Feb. 20.
Door-controlling means. A. C. Dunn. 2,190,653; Feb. 20.
Drawbench. M. Schunck. 2,190,889; Feb. 20.
Draw works line controller. P. M. Moss. 2,190,880; Feb. 20.
Drier: *See*—
Film drier.
Drift indicator. E. de Perrot. 2,190,977; Feb. 20.
Drill hole apparatus. E. D. and J. R. Wilcox. 2,190,901; Feb. 20.
Dumping mechanism. H. C. Frentzel, Jr., and C. G. Novotny. 2,190,869; Feb. 20.

Duplicating machine. E. K. Johansen. 2,190,988; Feb. 20.
Dusting composition. A. M. Boyce. 2,191,421; Feb. 20.
Dyeings. S. Petersen, O. Bayer, and C. Taube. 2,190,848; Feb. 20.
Dyestuffs, etc., Azo. B. Herstein. 2,191,094; Feb. 20.
Dyestuffs insoluble in water, Azo. W. Zerweck and W. Kunze. 2,191,103; Feb. 20.
Dyestuffs of the anthraquinone series, Vat. W. Zerweck and J. Riedmair. 2,190,751; Feb. 20.
Dyestuffs, Polyazo. P. Zervas. 2,190,750; Feb. 20.
Dynamo-electric machine. H. W. Herrington. 2,191,074; Feb. 20.
Easel for cemetery wreaths. K. F. Wagler and G. A. Roach. 2,190,960; Feb. 20.
Edge-setting machine. L. E. Topham. 2,190,810; Feb. 20.
Educational display device. G. C. Van Veen. 2,190,898; Feb. 20.
Egg white material and preparing the same. V. D. Littlefield. 2,191,257; Feb. 20.
Electric control system. E. E. Moyer. 2,190,756; Feb. 20.
Electric incandescent lamp. J. A. M. van Liempt. 2,191,331; Feb. 20.
Electric machine. E. Schaeren. 2,190,887; Feb. 20.
Electric switch. F. O. Kuhn. 2,190,842; Feb. 20.
Electric translation circuit. G. Guanella. 2,191,315; Feb. 20.
Electric valve circuit. E. F. W. Alexanderson. 2,190,759; Feb. 20.
Electric valve circuit. M. A. Edwards. 2,190,774–5; Feb. 20.
Electric valve circuit. E. E. Moyer. 2,190,757; Feb. 20.
Electrically heated steam iron. E. J. Wiggins. 2,190,903–4; Feb. 20.
Electrocuting trap. C. T. Hazel. 2,191,127; Feb. 20.
Electrode for lead-acid storage batteries and producing the same, Negative. A. P. Hauel. 2,191,231; Feb. 20.
Electrolytic condenser. P. M. Deeley. 2,190,826–7; Feb. 20.
Electromagnetic brake. M. B. Chambers. 2,191,188; Feb. 20.
Electrometrical measurements, Arrangement for carrying out. H. Grüss, P. Kähle, and F. Lleneweg. 2,190,835; Feb. 20.
Electron discharge device. N. M. Rust and G. F. Brett. 2,190,735; Feb. 20.
Electron discharge valve. C. S. Bull. 2,190,697; Feb. 20.
Electron emitter and making it, Secondary. H. Bruining, J. H. de Boer, and M. C. Teves. 2,190,695; Feb. 20.
Electronic device. O. Krenzien. 2,190,914; Feb. 20.
Elevator. J. S. Hardy. 2,190,783; Feb. 20.
Eliminator, Backlash. M. E. Martellotti. 2,191,131; Feb. 20.
Energy absorbing device. R. C. Pierce. 2,190,996; Feb. 20.
Engine cylinder valve. A. V. D. Willgoos. 2,191,333; Feb. 20.
Engine of the liquid fuel injection compression ignition type, Internal combustion. H. R. Ricardo. 2,191,042; Feb. 20.
Esters of octyl alcohol with lower molecular weight sulpho carboxylic acids. B. R. Harris. 2,190,921; Feb. 20.
Ether and method of making, Diazoamino. J. G. Kern. 2,190,841; Feb. 20.
Ethylene dicinnamate. E. C. Britton and C. L. Moyle. 2,190,917; Feb. 20.
Explosive, Perchlorate. C. O. Davis. 2,190,703; Feb. 20.
Exposure meter. H. Sauer and P. Görlich. 2,191,414; Feb. 20.
Exterminating apparatus. B. F. Ford. 2,191,229; Feb. 20.
Extraction systems continuously removing from solvent-treated materials, solvents of lower specific gravity, Process in continuous. M. Bonotto. 2,191,255; Feb. 20.
Eyes, Testing the. E. D. Tillyer. 2,191,047; Feb. 20.
Fabric feeding system. S. Cohn. 2,190,860; Feb. 20.
Fabricator for adhesive tape. C. B. Strauch. 2,190,809; Feb. 20.
Fabrics, Pleating. J. Levine. 2,191,321; Feb. 20.
Facsimile transmitting and receiving system. J. D. Durkee. 2,191,057; Feb. 20.
Fan mounting. W. W. Allen. 2,191,418; Feb. 20.
Frame: *See*—
Hatch frame. Photograph frame.
Fastening means for detachable securing handles to operating shafts. G. F. Turner. 2,191,294; Feb. 20.
Faucet. L. S. Jolly and N. G. Lindsey. 2,191,128; Feb. 20.
Feed device. E. F. Harmon. 2,191,153; Feb. 20.
Feeding and severing mechanism for photographic copying machines. P. Landrock and A. W. Caps. 2,191,212; Feb. 20.
Feeding means and method. Le B. B. Johnson. 2,191,019; Feb. 20.
Female contact plug. W. P. Herman. 2,191,386; Feb. 20.
Fibers for spinning, Manufacture of artificial. J. Kleine, W. Zetzsche, and P. Saffert. 2,191,296; Feb. 20.
Fibrous molded products and materials, Making. M. Phillips and M. J. Goss. 2,190,909; Feb. 20.
Field-structure for synchronous-electric motors. A. B. Poole. 2,191,220; Feb. 20.
Film and process, Photographic color. J. G. Capstaff. 2,191,038; Feb. 20.
Film drier. R. Simmon. 2,191,163; Feb. 20.
Film package. F. C. Miller, O. Wittel, and D. F. Lyman. 2,191,028; Feb. 20.
Film processing tank. H. M. Carleton. 2,190,754; Feb. 20.
Filter. E. L. Wood. 2,190,965; Feb. 20.
Filter means and making same. A. E. Schaaf, G. M. Walton, and C. J. Glanzer. 2,190,683; Feb. 20.
Filter means and making same. A. E. Schaaf, G. M. Walton, C. J. Glanzer. 2,190,886; Feb. 20.
Filtering. L. A. Tarbox and W. H. Barcus. 2,191,403; Feb. 20.
Finger structure and supporting bar for hop picking machines. E. Thys. 2,191,183; Feb. 20.
Fishhook holder. H. C. Buicke. 2,190,647; Feb. 20.
Fishing reel. O. Henze. 2,190,786; Feb. 20.
Fishing reel. L. W. Whitcomb. 2,191,004; Feb. 20.
Fishing rod and reel attachment. O. J. Gulbrandsen. 2,190,984; Feb. 20.
Fishing tackle. L. V. Wise. 2,191,244; Feb. 20.
Flag and flagpole holder. W. F. Hogan. 2,191,075; Feb. 20.
Flow control apparatus. H. L. Blum. 2,191,194; Feb. 20.
Flow controlling device for refrigerating systems. C. Steenstrup. 2,191,328; Feb. 20.
Fluid for combating heaving shale, Drilling. G. E. Cannon. 2,191,312; Feb. 20.
Fluid fuel burner. L. C. Chadima, R. C. Ilten, and E. L. Johnson. 2,191,272; Feb. 20.
Fluids from receptacles, Method of and apparatus for drawing gaseous. W. Gaede. 2,191,345; Feb. 20.
Focusing device, Automatic. L. Wenczler. 2,190,815; Feb. 20.
Food products aerating and dispensing device. H. B. W. Snelling. 2,190,688; Feb. 20.
Foodstuffs, Packing. W. de Back. 2,190,936; Feb. 20.
Footwear. R. T. Dawes. 2,190,864; Feb. 20.
Fork, Roasting. L. P. Clem. 2,191,226; Feb. 20.
Form wall sustaining means. S. S. Colt. 2,190,701; Feb. 20.
Formations traversed by a bore hole, Method of and apparatus for surveying the. C. Schlumberger. 2,191,119; Feb. 20.
Fountain, Printing press. H. C. Behrens. 2,190,929; Feb. 20.
Frame for beds, Tent. L. J. Felciano. 2,190,867; Feb. 20.
Frequency changer. K. Posthumus. 2,190,731; Feb. 20.
Froth-flotation machine. S. Tucker. 2,190,852; Feb. 20.
Fruit juices, Concentrating citrus. G. H. Meinzer. 2,190,991; Feb. 20.
Fuel injection system for internal combustion engines. G. Amery. 2,191,186; Feb. 20.
Fuel product, Motor. T. H. Rogers and V. Voorhees. 2,191,204; Feb. 20.
Furnace and operating the same, Open hearth. H. Rateau and E. D. Gossett. 2,191,354; Feb. 20.
Furnace appliance. H. R. Lees. 2,190,877; Feb. 20.
Furnace attachment, Hot air. C. Lengyel. 2,191,349; Feb. 20.
Furnace for the combustion of lignite and semibituminous coal. O. S. Bowman. 2,190,973; Feb. 20.
Fusible materials such as sulphur, Comminuting. S. B. Heath and F. R. Minger. 2,190,922; Feb. 20.
Game apparatus. M. Nitzberg. 2,190,845; Feb. 20.
Game, Ball rolling. D. E. Hooker. 2,191,209; Feb. 20.
Game device. L. W. Abell. 2,191,150; Feb. 20.
Game, Questionnaire. H. B. Palmer. 2,190,881; Feb. 20.
Game scoring device. B. de C. Rothschild. 2,191,400; Feb. 20.
Garage door. W. M. Winans. 2,191,363; Feb. 20.
Garment, Foundation. E. E. Bertrams. 2,190,916; Feb. 20.
Gas burner. R. J. Kehl. 2,191,077; Feb. 20.
Gases for polymerization, Preparation of. E. J. Houdry. 2,190,662; Feb. 20.
Gasket, Self-seating. E. M. O'Donnell. 2,191,179; Feb. 20.
Gasoline, Manufacture of stabilized. D. R. Stevens and H. B. Cooke. 2,191,240; Feb. 20.
Gauge. F. J. Vierling. 2,190,809; Feb. 20.
Gearshift for washing machine wringers. F. M. Young. 2,190,856; Feb. 20.
Gelatin and casein, Purifying. C. Schwartz. 2,191,206; Feb. 20.
Gelatin, Manufacture of. S. E. Sheppard and J. H. Hudson. 2,191,034; Feb. 20.
Generator: *See*—
Magneto generator.
Geological survey. L. B. Slichter. 2,191,120; Feb. 20.
Geological surveying apparatus. L. B. Slichter. 2,191,121; Feb. 20.
Glass cutting machine. G. W. Burroughs. 2,190,641; Feb. 20.
Glass handling apparatus. E. Hiatt and J. J. Macken. 2,191,143; Feb. 20.
Glass working tool. R. A. Yuchtmann. 2,191,245; Feb. 20.
Glassware forming machine. F. O'Neill. 2,191,132; Feb. 20.
Governor for fluid operated pumps, Flow. C. J. Coberly. 2,191,093; Feb. 20.
Grade line finder. P. L. Fogle. 2,190,779; Feb. 20.
Grading screen. H. H. Muir. 2,190,993; Feb. 20.

Gravity measuring instrument. S. B. von Thyssen-Bornemisza. 2,190,959; Feb. 20.
Gripper member for needle looms, Flexible. J. Gabler. 2,191,376; Feb. 20.
Guard, Bumper. J. E. Smith. 2,190,891; Feb. 20.
Guard, Face. E. J. Skillen. 2,191,325; Feb. 20.
Hair, Method and apparatus for the permanent waving of. J. Torres. 2,191,293; Feb. 20.
Handle: *See*—
Automobile door handle.
Handle or the like, Dust mop. K. E. Lauterbach. 2,191,348; Feb. 20.
Handle replacement for valve stems. W. Ashendorf. 2,191,304; Feb. 20.
Hanger: *See*—
Multiple garment hanger.
Harrow construction, Disk. H. B. Rapp. 2,191,098; Feb. 20.
Hatch frame. L. C. Wilkoff. 2,190,690; Feb. 20.
Hatpin, Invisible. B. T. Symons. 2,190,893; Feb. 20.
Headstock positioning mechanism. W. Trible. 2,191,137; Feb. 20.
Hearing aid apparatus. W. D. Penn. 2,191,398; Feb. 20.
Heater: *See*—
Automobile heater. Water heater.
Heater. E. C. Booth. 2,191,420; Feb. 20.
Heater. C. F. Denney. 2,191,273; Feb. 20.
Heater for closed vehicles. L. D. Searcy. 2,190,804; Feb. 20.
Heating apparatus. A. C. Grant. 2,191,141; Feb. 20.
Heating apparatus. Q. I. Wagner. 2,191,064; Feb. 20.
Heating device. C. L. Bryant. 2,190,768; Feb. 20.
Heating system, Automobile. H. J. De N. McCollum. 2,190,671; Feb. 20.
Heel-seat fitting machine. G. Haselton. 2,190,784; Feb. 20.
Hinge and operating means therefor. H. K. Sylvester. 2,190,741; Feb. 20.
Holder: *See*—
Check roll holder. Flag and flagpole holder.
Fish hook holder. Lamp holder.
Holder. W. C. La Veau. 2,191,022; Feb. 20.
Holder for screws. E. L. Dahlquist. 2,191,010; Feb. 20.
Holder for testing machines, Automatic load. R. B. Lewis 2,191,282; Feb. 20.
Home. H. W. Dunbar and H. S. Indge. 2,191,256; Feb. 20.
Hook: *See*—
Automatic gaff hook.
Horizon, Artificial. L. F. Carter. 2,190,698; Feb. 20.
Hosiery, Method and means for looping. J. A. Pons. 2,191,288; Feb. 20.
House, Collapsible paperboard. F. Mallgraf. 2,190,721; Feb. 20.
Household cabinet. P. L. Cimini. 2,190,652; Feb. 20.
Hurdle. I. G. Hanke. 2,191,253; Feb. 20.
Hydraulic press. R. W. Dinzl. 2,190,755; Feb. 20.
Hydraulic system and control. W. Ernst. 2,190,939; Feb. 20.
Hydrocarbons from heavy hydrocarbons, Production of lower boiling. M. Pier, W. Simon, and W. Berger. 2,191,157; Feb. 20.
Ignition mixture. H. I. Etchells, Jr. 2,190,777; Feb. 20.
Impedance measurements at high radio frequencies, Making. P. S. Carter. 2,191,271; Feb. 20.
Impulse generating arrangement. H.-H. Wolff. 2,191,185; Feb. 20.
Incandescent lamp. K. L. Wade. 2,191,189; Feb. 20.
Indicating instrument. J. F. Duby. 2,190,866; Feb. 20.
Indicating system. F. E. Strauss. 2,191,329; Feb. 20.
Indicator: *See*—
Drift indicator. Speed indicator.
Piezoelectric pressure indicator.
Indicator switch. W. J. Rogers. 2,191,205; Feb. 20.
Inhaler, Nasal. A. C. Hoffman. 2,191,015–6; Feb. 20.
Inkwell. E. R. Groo and J. I. Green. 2,190,780; Feb. 20.
Insect catcher. W. J. Gustke. 2,191,126; Feb. 20.
Insecticidal spray. J. W. Orelup. 2,190,673; Feb. 20.
Insecticide. F. W. Fletcher, G. E. Lynn, and F. B. Smith. 2,190,656; Feb. 20.
Insecticide. K. Pfaff and M. Erlenbach. 2,191,259; Feb. 20.
Insecticide. L. E. Smith. 2,191,299–301; Feb. 20.
Insulation material, Sheet. C. F. Hanson. 2,190,711; Feb. 20.
Insulator. L. H. Lee and J. M. Guthrie. 2,191,171; Feb. 20.
Insulator, Electrical. V. F. Hammel. 2,191,152; Feb. 20.
Interlocked structure. H. W. Romanoff. 2,191,161; Feb. 20.
Ion-exchange material, Carbonaceous. O. Liebknecht. 2,191,059; Feb. 20.
Iron: *See*—
Electrically heated steam iron.
Ironing machine. G. W. Wardwell, Jr. 2,191,332; Feb. 20.
Jack: *See*—
Shoe jack.
Jack. I. F. Smith. 2,190,953; Feb. 20.
Jigsaw blade support and work hold-down. W. F. Ocenasek. 2,191,410; Feb. 20.
Knife. J. A. and D. S. Gardner. 2,191,276; Feb. 20.
Knitted fabric. V. Lombardi. 2,190,793–4; Feb. 20.
Knitting machine. K. Howie. 2,190,664–5; Feb. 20.
Knitting machine and operating same, Circular rib. J. L. Getaz. 2,191,378; Feb. 20.
Knitting machine and operating same, Circular rib. R. Hill. 2,191,389; Feb. 20.
Labeling apparatus. L. Mandel. 2,191,406; Feb. 20.
Ladder, Scaffold. R. A. Uecker. I. G. Rambo, and D. E. Beatty. 2,191,051; Feb. 20.
Laminated product. W. H. Carothers. 2,191,367; Feb. 20.
Lamp: *See*—
Electric incandescent lamp. Prefocus projection lamp.
Incandescent lamp. Vehicle lamp.
Lamp and operating the same, Discharge. J. S. Smith and F. Dawson. 2,190,687; Feb. 20.
Lamp holder. J. Glassberg. 2,190,834; Feb. 20.
Lamp or similar device and method of manufacture, Electric. A. Greiner. 2,191,346; Feb. 20.
Landing gear for aircraft. P. W. Thornhill. 2,191,359; Feb. 20.
Lathe, Crankshaft. W. F. Groene and H. J. Siekmann. 2,191,347; Feb. 20.
Lever mechanism, Ratio changing. W. F. Boldt. 2,190,972; Feb. 20.
Light for airports, Marker. E. M. Glasgow. 2,191,379; Feb. 20.
Lighter and extinguisher, Candle. H. Van Horn. 2,191,302; Feb. 20.
Lighting system. R. K. Squires. 2,190,739; Feb. 20.
Liquid dispensing apparatus. J. Retsema. 2,190,908; Feb. 20.
Liquid treating apparatus of the built-up type. R. Seligman. 2,191,044; Feb. 20.
Liquids, Electro-thermal pyrolysis of carbon-bearing. V. F. Hanson. 2,191,012; Feb. 20.
Loading device. W. Ludwig. 2,191,130; Feb. 20.
Loading device for railway cars. J. J. McBride. 2,190,724; Feb. 20.
Locating device. E. F. Wickens. 2,190,855; Feb. 20.
Locating device for maps. R. J. Kittredge. 2,191,109; Feb. 20.
Lock: *See*—
Automatic receptacle lock. Cable lock.
Lock washer. D. V. Stellin. 2,191,101; Feb. 20.
Locomotive. J. C. Maris. 2,191,407; Feb. 20.
Loom: *See*—
Portable hand loom.
Loom stop motion. L. M. Rogers. 2,191,413; Feb. 20.
Lubricant, Extreme pressure. S. E. Jolly and J. H. Perrine. 2,190,715; Feb. 20.
Lubricating device for machine tools. A. F. Bennett. 2,190,858; Feb. 20.
Lubrication of alloy bearings. T. L. Cantrell and J. O. Turner. 2,190,648; Feb. 20.
Machine for patting candy. L. H. Zeun. 2,191,268; Feb. 20.
Machine for shaping wires which are intended for binding perforated leaflets. A. L. Martin. 2,190,722; Feb. 20.
Machine for the manufacture of glass articles. T. F. Pearson. 2,191,237; Feb. 20.
Machine for wrapping pipes. M. L. Hamlin. 2,191,316; Feb. 20.
Machining apparatus. J. F. McMenamin. 2,191,409; Feb. 20.
Magneto generator. W. J. Spengler. 2,191,087; Feb. 20.
Magneto generator. T. Tognola. 2,190,956; Feb. 20.
Manifolding device. A. A. Johnson. 2,190,923; Feb. 20.
Match container. H. W. Matalene. 2,191,350; Feb. 20.
Match ignition material, Applying. C. F. Wright. 2,191,149; Feb. 20.
Match ignition material to book matches, etc., Applying. C. F. Wright. 2,191,149; Feb. 20.
Material dispensing apparatus, Loose. J. M. Talkington. 2,191,241; Feb. 20.
Materials, Manufacture of artificial. G. Wick. 2,191,056; Feb. 20.
Meal by fermentation, Treatment of soy bean. F. G. Rawling. 2,190,644; Feb. 20.
Measurements at ultra high frequencies, Method and apparatus for making. R. W. George. 2,191,277; Feb. 20.
Measuring and recording instrument. F. Moore. 2,190,912; Feb. 20.
Measuring instrument. G. D. Webber. 2,190,961; Feb. 20.
Measuring system. A. W. Vance. 2,190,743; Feb. 20.
Meat and apparatus therefor, Cooking. F. B. Fink. 2,191,275; Feb. 20.
Mechanism for pins, brooches, etc., Moving. J. Fernandez. 2,190,778; Feb. 20.
Melting apparatus. E. W. Clark. 2,191,337; Feb. 20.
Mercury cathode discharge tube. M. J. Druyvesteyn and T. Jurriaanse. 2,191,249; Feb. 20.
Metal sheet fabricating machine. J. J. Manofsky. 2,191,433; Feb. 20.
Metal, Tempering sheet. E. B. Hudson. 2,190,986; Feb. 20.
Metallic container. W. C. Mills. 2,190,844; Feb. 20.
Meter: *See*—
Exposure meter.
Metering system. J. O. Shepherd. 2,191,298; Feb. 20.

Mineral exploration. L. B. Slichter. 2,190,686; Feb. 20.
Mining machine. J. F. Joy. 2,190,924; Feb. 20.
Mixer: *See*—
Revolving cone mixer. Revolving mixer.
Mold, Inhibition of. C. Hoffman, G. Dalby, and T. R. Schweitzer. 2,190,714; Feb. 20.
Monovinylacetylene, Preparing. A. S. Carter and F. B. Downing. 2,191,068; Feb. 20.
Motion transmitting mechanism. H. von Tavel. 2,190,900; Feb. 20.
Motor or pump, Hydraulic. G. A. Wahlmark. 2,190,812; Feb. 20.
Motor structure, Synchronous electric. A. B. Poole. 2,191,221; Feb. 20.
Mount, View finder. H. Nagel. 2,191,035; Feb. 20.
Mounting: *See*—
Fan mounting.
Mounting for watchcases, Detachable. C. D. Kaufmann. 2,191,020; Feb. 20.
Mower, Power. L. B. Roth. 2,191,135; Feb. 20.
Mowing implement. J. S. Clapper. 2,191,426; Feb. 20.
Multiple garment hanger. G. L. Russell and E. F. Lindahl. 2,191,401; Feb. 20.
Nail, Lock. J. L. Pauze. 2,190,883; Feb. 20.
Naphthol compounds and preparing same, Water soluble. W. H. von Glahn. 2,190,746; Feb. 20.
Naphthol compound and preparing same, Water soluble. W. L. Walsh and W. H. von Glahn. 2,190,747; Feb. 20.
Needle. H. I. Lippard. 2,190,792; Feb. 20.
Needle, Spring beard knitting. K. Howie. 2,190,663; Feb. 20.
Noise suppression apparatus for telephones. B. L. Fisher. 2,191,375; Feb. 20.
Numerical comparing system. R. M. Hicks. 2,191,234; Feb. 20.
Nut, Lock. S. M. Kass. 2,191,201; Feb. 20.
Nuts and the like, Making clinch-on. F. N. Ross. 2,191,193; Feb. 20.
Oil, Stabilized mineral. F. M. Clark. 2,191,338; Feb. 20.
Oil, Treating. U. B. Bray and C. E. Swift. 2,191,091; Feb. 20.
Oils, Lubricating. H. Geothel, H. Tramm, and P. Schaller. 2,190,918; Feb. 20.
Oils, Polymerizable. L. P. Hubbuch. 2,190,789; Feb. 20.
Oils, Treating petroleum. J. W. Cushman. 2,191,372; Feb. 20.
Oils with phosphorus pentoxide, Treatment of. A. P. Sachs. 2,191,043; Feb. 20.
Olefin-sulphur dioxide resins, Treatment of. J. Harmon. 2,190,836; Feb. 20.
Opener, Can. M. C. Frins. 2,190,940; Feb. 20.
Optical arrangement for scanning machines. K. Schlesinger. 2,191,182; Feb. 20.
Optical device. E. M. Branson. 2,190,646; Feb. 20.
Ornament. W. C. Protz. 2,191,041; Feb. 20.
Ortho- and para-nitrophenyl-trifluoromethyl-sulphoxides, oxidation products thereof and preparing the same. W. Schumacher, O. Scherer, and F. Müller. 2,191,062; Feb. 20.
Oscillator, Diode. F. B. Llewellyn. 2,190,668; Feb. 20.
Oscillator, principally organ pipe, Acoustical. N. P. R. Jarnak. 2,191,058; Feb. 20.
Outlet valve, Top operated. J. J. McBride. 2,190,723; Feb. 20.
Oxides, Reduction of. H. Gallusser. 2,191,377; Feb. 20.
P-carbamidobenzenesulfonamide and producing it. M. S. Kharasch and O. Reinmuth. 2,191,432; Feb. 20.
Pack extension and liner, Fresh fruit. G. Sykes. 2,190,955; Feb. 20.
Package for scouring devices. E. S. Bradford, Jr. 2,190,693; Feb. 20.
Package insert adaptable for the mounting of fine filamentous thread in annular package form. C. A. Huttinger. 2,191,108; Feb. 20.
Packing ring, Segmental metallic. H. T. Wheeler. 2,191,265; Feb. 20.
Packing, Tank. C. E. Greening. 2,191,142; Feb. 20.
Pad and assembly, Ironing. P. D. Cannon. 2,191,092; Feb. 20.
Pan strapping. E. H. Chandonia. 2,191,104; Feb. 20.
Panel regulating apparatus. G. M. Campbell. 2,190,976; Feb. 20.
Paper, Coating. B. C. Miller. 2,190,843; Feb. 20.
Paper machinery. S. A. Staege. 2,190,851; Feb. 20.
Papers, Producing corrugated. W. W. Rowe. 2,190,680; Feb. 20.
Parasiticide and preparing same. R. H. Daines, Jr. 2,190,702; Feb. 20.
Paste applying apparatus. A. A. Beach. 2,191,225; Feb. 20.
Patch test strip. H. Vollmer. 2,190,745; Feb. 20.
Pencil, Pressure operated magazine. H. Morlock. 2,190,798; Feb. 20.
Permanent magnet alloy. G. A. Kelsall and E. A. Nesbitt. 2,190,667; Feb. 20.
Petroleum emulsions, Treating. J. B. Staten. 2,191,357; Feb. 20.
Phonograph mechanism, Automatic. P. U. Lannerd. 2,191,215; Feb. 20.
Phonograph record changing mechanism. P. U. Lannerd. 2,191,214; Feb. 20.
Photograph frame. M. Dankanyin. 2,191,373; Feb. 20.
Photographic illuminating equipment. J. A. Saffir and H. G. Bartsch. 2,191,402; Feb. 20.
Picker stick check. C. D. Brown. 2,191,422; Feb. 20.
Picture and sound records by the chromate method, Production of silverless. M. B. Hollaender. 2,191,017; Feb. 20.
Piezoelectric pressure indicator. H. Hintze and H. Illgen. 2,190,713; Feb. 20.
Piles, Protecting. C. G. Cappel. 2,191,248; Feb. 20.
Pinking machine. B. B. Chester and O. A. Trnka. 2,190,651; Feb. 20.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Stoker pipe.
Pipes, Making composite. R. W. Mitchell. 2,191,025; Feb. 20.
Piping for fire extinguishing sprinkler systems. W. Grimshaw. 2,190,944; Feb. 20.
Piston expander. W. H. Wheeler. 2,190,963; Feb. 20.
Piston ring. W. H. Longabaugh. 2,191,023; Feb. 20.
Plants, Influencing the growth of. J. Seliel. 2,190,890; Feb. 20.
Plate, Strap fitting. F. R. Cutler and C. R. Peters. 2,191,105; Feb. 20.
Plotting device. A. Y. Nomura. 2,191,396; Feb. 20.
Plug: *See*—
Contact plug. Wall or like plug.
Female contact plug.
Plywood, Manufacturing. C. N. Cone. 2,191,070; Feb. 20.
Pneumatic structure, Collapsible. H. S. Dixon. 2,191,374; Feb. 20.
Polarizer. H. Küppenbender. 2,190,718; Feb. 20.
Polyamides, Synthetic linear. W. H. Carothers. 2,190,770; Feb. 20.
Portable hand loom. K. E. Walker. 2,190,813; Feb. 20.
Portfolio case. J. M. Feldman. 2,190,707; Feb. 20.
Post, Fence. W. E. Warmka. 2,191,124; Feb. 20.
Powder puff and making same. R. E. Thompson. 2,190,894; Feb. 20.
Power, Method and apparatus for generating. E. T. Turner. 2,190,957; Feb. 20.
Power plant, Binary cycle. N. C. Price. 2,191,289; Feb. 20.
Power, Transmission of. A. Lisowski. 2,191,172; Feb. 20.
Power unit. R. B. Pealer. 2,191,191; Feb. 20.
Prefocus projection lamp. J. L. Spence, Jr. 2,191,292; Feb. 20.
Preselector and remote control system. H. F. Elliott. 2,190,832; Feb. 20.
Press: *See*—
Hydraulic press. Printing press.
Pressing machine. H. E. Page. 2,191,117; Feb. 20.
Pressing system. J. D. Foster. 2,190,868; Feb. 20.
Pressure regulating valve. J. F. Jaworowski. 2,191,319; Feb. 20.
Price tag molding. W. W. Vander Clute. 2,190,958; Feb. 20.
Printing press, Hand operated. J. R. Swift and R. W. Redin. 2,190,740; Feb. 20.
Projector, Motion picture. O. W. Githens, G. Kende, and E. M. Porter. 2,190,658; Feb. 20.
Prop, Clothesline. R. J. Kroenke and F. Fuller. 2,190,876; Feb. 20.
Proportioning apparatus. J. Corydon and R. Lowe. 2,190,933; Feb. 20.
Protective arrangement. A. Arnold. 2,191,334; Feb. 20.
Protector for saddles. F. Mesinger. 2,190,902; Feb. 20.
Pulley supporting device. C. L. Mattison. 2,191,155; Feb. 20.
Pulling device. R. Ladd. 2,191,021; Feb. 20.
Pulverizer, Centrifugal fluid jet. A. C. Hobbie. 2,191,095; Feb. 20.
Pump: *See*—
Centrifugal pump. Well pump.
Reciprocating fluid motor driven pump.
Punch, Ticket. H. C. Hart. 2,191,382; Feb. 20.
Pyelographic preparation. A. Salomon. 2,191,118; Feb. 20.
Rack: *See*—
Display rack.
Radiator for heating a forced draft of air. J. E. Mitchell. 2,191,146; Feb. 20.
Radio direction finder. R. Kümmich and H. Rukop. 2,190,717; Feb. 20.
Railway car. S. F. Udstad. 2,190,742; Feb. 20.
Railway container car. W. M. Sheehan. 2,191,222; Feb. 20.
Range top construction, Oil. J. Teller and A. P. Schulz. 2,191,358; Feb. 20.
Razor. H. R. Segal. 2,191,324; Feb. 20.
Reaction product of di-chloro-dioxane and the halo-organic acids. H. R. Slagh. 2,190,907; Feb. 20.
Receiver, Interference rejection. D. V. Sinninger. 2,190,850; Feb. 20.
Reciprocating fluid motor driven pump. R. L. Chenault. 2,191,369; Feb. 20.
Reel: *See*—
Fishing reel.
Reel lifting means. R. C. Pierce. 2,190,849; Feb. 20.
Reference cabinet. W. Walmsley. 2,190,814; Feb. 20.
Refining, Art of. E. J. Barth. 2,191,089-90; Feb. 20.

Refrigerant system operable by variable speed compressors including means for controlling compressor capacity. O. U. Zerk and D. R. Vanneman. 2,191,102; Feb. 20.
Refrigerants and methods of transferring heat. J. Fleischer. 2,191,196; Feb. 20.
Refrigerating apparatus. R. E. Gould. 2,191,198; Feb. 20.
Refrigerating apparatus. L. A. Philipp. 2,190,995; Feb. 20.
Refrigerating apparatus. C. A. Stickel. 2,190,954; Feb. 20.
Refrigerating apparatus. C. E. Waring. 2,191,263; Feb. 20.
Refrigerating process and apparatus. A. A. Michalske. 2,190,796; Feb. 20.
Refrigeration compressor. F. K. Smith and C. M. Brown. 2,191,326; Feb. 20.
Register, Air conditioning. C. Demuth. 2,190,937; Feb. 20.
Registering mechanism. J. L. Ford. 2,191,140; Feb. 20.
Regulator: *See*—
Window regulator.
Reinforcement for concrete. L. Herzka. 2,191,233; Feb. 20.
Release valve. E. L. Dyer. 2,190,980; Feb. 20.
Resins, Phenol caroboxylic acid amide-formaldehyde. G. D. Graves. 2,190,829; Feb. 20.
Resins, Water-soluble phenol-aldehyde. V. E. Meharg. 2,190,672; Feb. 20.
Resonant circuit, High efficiency. W. W. Hansen. 2,190,712; Feb. 20.
Revolving cone mixer. E. M. Underwood. 2,190,896; Feb. 20.
Revolving mixer. E. M. Underwood. 2,190,897; Feb. 20.
Revolving steam table. L. H. Starling. 2,191,100; Feb. 20.
Ride stabilizer. J. L. Mohun, R. C. Brown, Jr., and F. W. Test. 2,190,728; Feb. 20.
Rim, Liquid-cooled friction. E. Roberts. 2,191,261; Feb. 20.
Ring: *See*—
Packing ring. Piston ring.
Road sanding machine. W. H. Dance. 2,190,863; Feb. 20.
Rod clamp. B. Hillberg. 2,190,838; Feb. 20.
Rod forming machine and the like, Cork. J. M. Binder. 2,190,859; Feb. 20.
Roll, Press. L. Hornbostel. 2,191,144; Feb. 20.
Roller skate brake. A. Ickenroth. 2,191,018; Feb. 20.
Roofing. F. G. Eichhorn. 2,190,654; Feb. 20.
Roofing sheet. A. B. Haswell. 2,191,383; Feb. 20.
Rope structure, Fiber. H. A. Whitlock. 2,190,854; Feb. 20.
Rosin and making the same, "Sulphite black liquor" talleol. T. Hasselstrom. 2,190,660; Feb. 20.
Rosins and their esters into components, Separation of chemically modified. J. N. Borglin. 2,191,306; Feb. 20.
Rubber, Softening. I. Williams and C. C. Smith. 2,191,266; Feb. 20.
Safety device for dispensing pumps. C. S. Hazard. 2,191,154; Feb. 20.
Safety device for furnaces. M. M. Swepston. 2,190,892; Feb. 20.
Safety device for hydraulic brake systems. S. C. George and J. J. Weber. 2,190,872; Feb. 20.
Safety hub cap. E. J. Hicks. 2,191,388; Feb. 20.
Safety valve. J. J. McBride. 2,190,725; Feb. 20.
Sandal, Bath. W. H. Gilbert and F. F. Hosmer. 2,190,982; Feb. 20.
Sash or store front construction. C. D. Lowry. 2,190,720; Feb. 20.
Save-all. A. R. Velasco and W. Wyllie. 2,191,052; Feb. 20.
Scale, Computing. A. Araujo. 2,190,640; Feb. 20.
Scraper, Roll. D. Buccicone and C. M. Shank. 2,191,366; Feb. 20.
Scraper, Wagon. W. J. Adams. 2,190,969; Feb. 20.
Screen: *See*—
Grading screen.
Seat: *See*—
Spring seat.
Securing device for concrete forms. C. I. Williams. 2,190,748; Feb. 20.
Separator. G. A. De Guire. 2,191,190; Feb. 20.
Separator or save-all, Liquid. D. A. Smelser. 2,191,122; Feb. 20.
Serological drop reaction means. D. E. Stover. 2,190,808; Feb. 20.
Severing mechanism for photographic copying machines. P. Landrock and A. W. Caps. 2,191,213; Feb. 20.
Sewing machine. K. Heil. 2,191,013; Feb. 20.
Sewing machine, Button. H. A. Landis. 2,191,129; Feb. 20.
Sewing machine spooler drive release means. F. E. Anderson. 2,190,760; Feb. 20.
Shade, Pedal actuated windshield. J. W. Clarke. 2,191,009; Feb. 20.
Shade-roller bracket. S. A. Cheves. 2,191,008; Feb. 20.
Shear, Portable. K. W. Nebel. 2,190,911; Feb. 20.
Shears, Garden or hedge. W. G. McDonald. 2,191,236; Feb. 20.
Shifting and skidding device for use with hoisting jacks and using it. E. O. Keator. 2,191,279; Feb. 20.
Shoe jack. E. I. LaChapelle. 2,191,079; Feb. 20.
Shorts, Men's. D. W. Katz. 2,191,169; Feb. 20.
Shoulder for railroad tie plates, Combination. F. C. Stowell. 2,190,999; Feb. 20.
Shuttle with yielding cop engaging side member. W. M. Thomson. 2,191,242; Feb. 20.
Sifter top container. E. J. Perry. 2,190,676; Feb. 20.
Sign for removable letters, Illuminated. B. B. Poblocki. 2,191,353; Feb. 20.
Signal: *See*—
Vehicle direction signal.
Signal device for motor vehicles, Directional. E. T. Condon. 2,190,861; Feb. 20.
Signal for liquid dispensing apparatus. M. O. Trudeau. 2,191,262; Feb. 20.
Signal for motor vehicles, Directional. E. T. Condon. 2,190,862; Feb. 20.
Signal operator, Safety. E. E. Hanson. 2,191,381; Feb. 20.
Signaling device. T. E. Brandon. 2,191,247; Feb. 20.
Signaling system. C. W. Hansell. 2,190,782; Feb. 20.
Size testing system. A. E. Glancy. 2,191,107; Feb. 20.
Slack adjuster. J. Robinson. 2,190,681; Feb. 20.
Slate, Braille. R. Brown. 2,190,752 Feb. 20.
Slivers from coconut fibers, Forming. B. G. H. van der Jagt. 2,190,744; Feb. 20.
Smoking pipe. J. M. Boscardin. 2,191,165; Feb. 20.
Snow plow, attachment for automobiles. A. F. Richter. 2,191,323; Feb. 20.
Soap dispenser. G. Voorhis. 2,191,003; Feb. 20.
Socket, Threadless lamp. T. E. Carroll. 2,191,336; Feb. 20.
Solenoid, Double. P. T. Carew and W. F. Werner. 2,190,650; Feb. 20.
Solutions of phenol, its homologues and derivatives, Manufacture of aqueous. R. Hueter, R. Neu, and H. J. Engelbrecht. 2,191,405; Feb. 20.
Solvent and process for dewaxing mineral oils. S. Tijmstra and D. S. McKittrick. 2,191,136; Feb. 20.
Sorting machine. D. C. Cox. 2,190,935; Feb. 20.
Sound indicating apparatus. W. P. Place and F. C. Smith. 2,191,203; Feb. 20.
Sound reproducing apparatus. H. Vogt, J. Engl, and J. Massolle. 2,191,404; Feb. 20.
Sound transmitter and sound receiver actuated by magneto-strictive forces. F. W. Kallmeyer. 2,190,666; Feb. 20.
Spark plug with umbrella. J. F. Barr. 2,190,765; Feb. 20.
Speed indicator. J. W. Slayton. 2,191,045; Feb. 20.
Speed power unit, Variable. D. Heyer. 2,191,200; Feb. 20.
Splint. E. E. Longfellow. 2,191,283; Feb. 20.
Splitting machine. T. B. Clarke and H. Boothroyd. 2,190,771; Feb. 20.
Spotlight or the like. N. A. Tornblom. 2,191,049; Feb. 20.
Spot-welding machine, Portable. W. T. Bitler, J. R. Bower, and R. P. McBride. 2,190,692; Feb. 20.
Spreader for concrete forms. S. S. Colt. 2,190,700; Feb. 20.
Spreading agent for photographic emulsions. G. L. Boomer. 2,190,645; Feb. 20.
Spring seat. W. Howard. 2,191,317; Feb. 20.
Steel from nonrefined molten steel, Production of high grade sheet and strip. T. Sendzimir. 2,191,355; Feb. 20.
Steering mechanism, Auxiliary. D. Collins. 2,191,125; Feb. 20.
Stencil screen construction. H. E. Playford and F. B. Holliger. 2,191,134; Feb. 20.
Stick handling apparatus. S. Goodman. 2,190,943; Feb. 20.
Stoker. F. H. Brown. 2,190,974; Feb. 20.
Stoker. G. M. Peltz. 2,191,219; Feb. 20.
Stoker, Locomotive. E. Martin. 2,191,112–3; Feb. 20.
Stoker, Mechanical. L. Campbell, Jr., and A. von Haase. 2,191,270; Feb. 20.
Stoker pipe. H. T. Blum. 2,191,006; Feb. 20.
Stop for slide fastener tapes, Top. M. Kiessling. 2,191,280; Feb. 20.
Strainer, Milk pail. A. C. Moser. 2,191,395; Feb. 20.
Strap construction, Wrist watch. W. A. Davis. 2,191,314; Feb. 20.
Stretcher, splint. G. M. Morrison. 2,191,097; Feb. 20.
Stripping, inserting, and drawing table. E. F. Kinzler. 2,190,947; Feb. 20.
Strips of paper and the like, Method and apparatus for folding. W. S. Cloud. 2,190,823; Feb. 20.
Stud, Snap fastener. S. E. Pihl. 2,191,412; Feb. 20.
Styrene-tung oil copolymer. S. M. Stoesser and A. R. Gabel. 2,190,906; Feb. 20.
Sugar juices and solutions, Purifying. R. Boyd. 2,191,365; Feb. 20.
Support: *See*—
Curtain and drapery support.
Support for vehicle bodies, Roof. R. M. Werner. 2,191,264; Feb. 20.
Supporter, Hose. V. G. Corel. 2,190,932; Feb. 20.
Suppository. F. E. Bibbins. 2,191,139; Feb. 20.
Surface broaching machine. W. Ferris. 2,190,642; Feb. 20.

Surveying instrument, Bore-Hole. F. Humphreys. 2,190,790; Feb. 20.
Swage, Power operated saw. R. V. Hanchett. 2,190,920; Feb. 20.
Sweeper floor tool. D. B. Replogle. 2,190,679; Feb. 20.
Swing, Baby. C. J. Ouellet. 2,191,397; Feb. 20.
Switch *See*—
Direction of rotation responsive switch.
Direction signal switch.
Electric switch.
Indicator switch.
Three position electric snap switch.
Switch control means, Electric. A. Binns. 2,191,335; Feb. 20.
Switch for vehicles, Automatic safety. J. F. Courtney. 2,190,934; Feb. 20.
Switch piston and cylinder device, Railway. O. W. Anderson. 2,191,246; Feb. 20.
Switch plate. L. M. Persons. 2,190,847; Feb. 20.
Switchgear, Electric. A. M. Rossman. 2,190,952; Feb. 20.
T conductor. I. F. Matthysse. 2,191,258; Feb. 20.
Table: *See*—
Collapsible table.
Revolving steam table.
Stripping, inserting, and drawing table.
Table structure and producing the same. W. Hanley. 2,191,168; Feb. 20.
Tail block, Remote controlled movable. J. H. Hampton. 2,190,919; Feb. 20.
Tank: *See*—
Film processing tank.
Tank arrangement for aircraft. W. Rethel, W. Laute, and E. Mühlberg. 2,191,239; Feb. 20.
Tank for concrete mixers, Water supply and measuring. C. I. Bohmer and A. E. Davis. 2,191,419; Feb. 20.
Tape gumming apparatus. A. Bennett. 2,190,766; Feb. 20.
Taping device. C. A. Rasanen. 2,191,238; Feb. 20.
Telephone set for communication in airplanes. K. Wenzky. 2,191,055; Feb. 20.
Telephony system, Modulated carrier wave. P. P. Eckersley. 2,190,706; Feb. 20.
Television tube. K. Schlesinger. 2,191,415; Feb. 20.
Tension device, Intermittent. A. Tiesler. 2,191,046; Feb. 20.
Textile materials, Treatment of. G. Widmer and W. Fisch. 2,191,362; Feb. 20.
Three position electric snap switch. R. H. Bentley. 2,191,364; Feb. 20.
Ticket printing machine. W. M. Schlegelmilch. 2,190,736; Feb. 20.
Tiling, Metal. C. F. Wysong. 2,190,818; Feb. 20.
Tire, Inflatable. O. Welch. 2,190,905; Feb. 20.
Tire protecting device. J. Huarte. 2,191,392; Feb. 20.
Tobacco mixing and distributing device. V. Heidelberg. 2,190,785; Feb. 20.
Tobacco pipe. W. D. Hensley. 2,191,014; Feb. 20.
Toilet article construction. R. H. Potts. 2,190,677; Feb. 20.
Toilet flushing apparatus. T. J. Dunn. 2,190,773; Feb. 20.
Tone arm pickup. P. W. Olson. 2,191,026; Feb. 20.
Tool: *See*—
Deep well tool.
Glass working tool.
Sweeper floor tool.
Wood splitting tool.
Torch, Flare. R. Kovac. 2,190,928; Feb. 20.
Torque converter, Hydraulic. A. Y. Dodge. 2,190,830; Feb. 20.
Torque measuring wrench. H. W. Zimmerman. 2,190,966–7; Feb. 20.
Toy. W. B. Betts. 2,191,305; Feb. 20.
Toy, Mechanical. F. J. Meilleur. 2,190,795; Feb. 20.
Toy wagon. F. F. Voorheis. 2,191,184; Feb. 20.
Transfer machine. L. E. La Bombard. 2,190,948; Feb. 20.
Transformer. M. W. Humphreys. 2,191,393; Feb. 20.
Transmission. A. Y. Dodge. 2,190,831; Feb. 20.
Transmission mechanism. J. F. Joy. 2,190,925–6; Feb. 20.
Transmission mechanism, Hydraulic. J. T. Corrigan. 2,191,340; Feb. 20.
Transmission synchronizer. S. O. White. 2,190,964; Feb. 20.
Transparency carrier. M. W. Seymour. 2,191,036; Feb. 20.
Trap: *See*—
Animal trap.
Electrocuting trap.
Tree uprooter. H. Tims. 2,191,048; Feb. 20.
Trimmer, Disk. F. O. Albertson. 2,190,758; Feb. 20.
Truck, Railway. R. G. Anderson. 2,190,761–3; Feb. 20.
Truck stabilizer, Engine. J. C. Maris. 2,191,408; Feb. 20.
Tube: *See*—
Mercury cathode discharge tube.
Television tube.
Tube construction, Metal. C. A. Horn. 2,190,788; Feb. 20.
Tube tester. F. E. Wenger. 2,190,962; Feb. 20.
Typewriter, Solenoid cryptographic. P. T. Carew and W. F. Werner. 2,190,649; Feb. 20.
Upper treating device. J. J. Vachon. 2,191,416; Feb. 20.
Valve: *See*—
Electron discharge valve.
Engine cylinder valve.
Outlet valve.
Pressure regulating valve.
Release valve.
Safety valve.
Valve and sealing means therefor. J. Heinen. 2,191,232; Feb. 20.
Valve for internal combustion engines, Fume eliminating. S. Jacovelli. 2,191,076; Feb. 20.
Valve mechanism, Compressor shut-off. S. Schnell. 2,191,162; Feb. 20.
Vehicle direction signal. F. Vasarhely. 2,191,001; Feb. 20.
Vehicle lamp. R. W. Johnson. 2,191,278; Feb. 20.
Vehicle suspension, Adjustable. A. S. Krotz. 2,191,211; Feb. 20.
Vehicle transporting car. C. L. Fowler. 2,190,708; Feb. 20.
Vehicle wheel. H. W. Kranz. 2,191,202; Feb. 20.
Vending machine. J. G. Llovera. 2,191,235; Feb. 20.
Vending machine. H. F. Mayfield. 2,190,879; Feb. 20.
Vending machine, Coin-controlled. T. Jelenk. 2,191,145; Feb. 20.
Ventilator. M. S. Curley. 2,191,341; Feb. 20.
Vibratory interrupter, Electromagnetic. I. M. Slater. 2,190,685; Feb. 20.
View finder and range finder, Combined. C. Ort. 2,191,027; Feb. 20.
Vise, Shoe. D. L. Gorbatenko and A. Allgoewer. 2,190,983; Feb. 20.
Voting machine. R. F. Shoup. 2,191,086; Feb. 20.
Wall or like plug. J. J. Rawlings. 2,191,399; Feb. 20.
Wall paneling supporting means. F. M. Small. 2,190,806; Feb. 20.
Wall structure, Building. L. E. Willson. 2,191,267; Feb. 20.
Washer: *See*—
Lock washer.
Washing and cleansing agent and making same. K. Butz. 2,190,760; Feb. 20.
Water, Conditioning. W. Vaughan. 2,190,853; Feb. 20.
Water control and lock for concrete mixers, Hydraulic. J. P. Faber. 2,191,072; Feb. 20.
Water heater. F. Garvin. 2,190,871; Feb. 20.
Water hoist. J. F. Acree, E. F. Rizer, and C. M. Walker. 2,190,968; Feb. 20.
Water lift, Hydraulic. G. L. Cardinal. 2,191,424; Feb. 20.
Water remover, Atmospheric pressure. W. W. Roy. 2,190,885; Feb. 20.
Wave transmission system. H. Whittle. 2,191,065; Feb. 20.
Wear compensating mechanism for brakes. A. H. S. Jenkins, W. C. J. D. Reece, and A. W. Tuck. 2,191,429; Feb. 20.
Welding apparatus, Fluid-pressure actuated. H. E. Kennedy. 2,190,927; Feb. 20.
Well disk structure. G. A. Lyon. 2,190,669; Feb. 20.
Well for production, Preparing an oil. M. O. Johnston. 2,190,989; Feb. 20.
Well pump. J. E. Hall. 2,191,380; Feb. 20.
Wheel: *See*—
Vehicle wheel.
Wheel mounting device. J. T. Menken and F. B. Herbert. 2,191,081; Feb. 20.
Wheels, Aligning vehicle. A. A. Friestedt. 2,190,709; Feb. 20.
Window regulator. W. C. Devereaux. 2,190,704; Feb. 20.
Window screening device. W. and C. Dollstedt. 2,191,166; Feb. 20.
Windshield cleaner. D. B. Browne. 2,191,423; Feb. 20.
Wiper mechanism, Windshield. S. A. Snell. 2,191,356; Feb. 20.
Wire stitching machine. W. O. Sims and E. J. Rodda. 2,190,684; Feb. 20.
Wood bleaching. H. O. Kauffmann. 2,191,431; Feb. 20.
Wood splitting tool. T. W. Wimsatt. 2,190,902; Feb. 20.
Wrench: *See*—
Torque measuring wrench.
Wringer. S. S. Holland. 2,190,946; Feb. 20.
Writing implement. E. B. Nichols. 2,190,910; Feb. 20.
Yarn conditioning process and composition therefor. J. B. Dickey. 2,191,039; Feb. 20.
Yarn from continuous filament yarns, Producing fuzzy or imitation fiber. V. Woolley. 2,191,417; Feb. 20.
Yarn treating process and composition therefor. J. B. Dickey and J. G. McNally. 2,190,865; Feb. 20.
Yarn winding apparatus. R. W. Moncrieff and T. Eccles. 2,190,797; Feb. 20.
Yeast, Process and apparatus for treating. W. P. Torrington. 2,190,689; Feb. 20.
Zeolite and the preparation thereof, Carbonaceous. O. Liebknecht. 2,191,060; Feb. 20.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 20, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1—	2: 2,190,684	33—	184.5: 2,190,947	62—	108.5: Re.21,362	88—	29: 2,190,646	110—	115: 2,191,270	153—	40: 2,190,821
2—	30: 2,190,916		189: 2,191,396		2,191,263		53: 2,191,252	111—	63: 2,190,655	154—	2.6: 2,190,711
	174: 2,191,325		200: 2,191,105		114: 2,191,344		56: 2,191,107	112—	25: 2,191,288		2,191,338
	224: 2,191,169		203: 2,190,709		116: 2,190,995		81: 2,191,388		104: 2,191,013		9: 2,190,805
4—	40: 2,190,773	34—	24: 2,191,255		2,191,198		102: 2,190,677		111: 2,191,129		33: 2,190,680
5—	8: 2,191,387		26: 2,191,163		2,191,328	90—	13.5: 2,190,968		122: 2,190,651	155—	5.23: 2,190,992
	18: 2,190,819		48: 2,190,851	126:	2,191,303		21: 2,190,858		255: 2,191,046		38: 2,191,159
8—	6: 2,191,114	35—	1: 2,190,814	140:	2,190,822		22: 2,191,131	113—	44: 2,190,659		51: 2,191,317
	40: 2,191,029		9: 2,190,881	178:	2,191,196		33: 2,190,642	114—	79: Re.21,359		65: 2,191,397
	2,191,030		38: 2,190,752	63—	31: 2,190,778		59: 2,190,855	116—	129: 2,191,140		182: 2,191,360
	50: 2,191,040		40: 2,191,109	64—	25: 2,190,900	91—	33: 2,191,225	119—	23: 2,190,721	156—	17: 2,190,884
	2,191,094		49: 2,190,898	66—	13: 2,191,378		43: 2,190,766	120—	13: 2,190,942		33: 2,190,764
	75: 2,190,848		53: 2,190,675		2,191,389		2,190,809		17: 2,190,798		39: 2,191,166
	111: 2,191,431		66: 2,191,099		90: 2,190,665		50: 2,191,149		18: 2,190,910	158—	7.5: 2,190,768
10—	86: 2,191,193	36—	3: 2,190,802		96: 2,190,664		63: 2,190,696		57: 2,190,780		27.4: 2,191,078
	89: 2,191,191		11.5: 2,190,962		119: 2,190,663		70: 2,190,843	121—	119: 2,190,812		99: 2,191,077
12—	1: 2,191,230		71: 2,191,210		190: 2,190,793		2,191,362	122—	23: 2,190,871	159—	31: 2,191,052
	2,191,416	37—	2: 2,191,048		2,190,794	92—	49: 2,191,144		225: 2,191,427	164—	6.5: 2,191,433
	31.5: 2,190,784		42: 2,191,323	67—	6: 2,191,302		74: 2,190,941	123—	32: 2,191,042		49: 2,191,212
	78: 2,190,810		133: 2,190,969		29: 2,191,402	93—	1: 2,191,197		103: 2,190,738		2,191,213
	123: 2,190,963	38—	14: 2,190,968		55: 2,190,928	95—	2: 2,191,038		140: 2,191,186		60: 2,191,148
	125: 2,191,110		22: 2,191,117	68—	241: 2,190,885		5: 2,191,017		146.5: 2,191,216		63: 2,190,758
	127: 2,191,079		59: 2,191,332		274: 2,190,946		9: 2,190,645		169: 2,190,713		111: 2,190,985
	146: 2,190,864		65: 2,191,092	69—	13: 2,190,771		10: 2,190,729		2,190,765		121: 2,191,382
15—	9: 2,190,673		77: 2,190,903	70—	49: 2,190,661		44: 2,191,281		173: 2,191,050	166—	1: 2,190,901
	2,190,882		2,190,904	72—	19: 2,191,267		64: 2,190,718		188: 2,191,333		19: 2,191,223
	95: 2,191,002	40—	16: 2,190,958		44: 2,191,217		73: 2,190,948	126—	33: 2,191,100		21: 2,190,989
	133: 2,190,975		113: 2,190,640		98: 2,191,123		88: 2,191,037		44: 2,191,358	167—	19: 2,190,702
	157: 2,190,679		130: 2,190,687		111: 2,191,233		90: 2,190,754		114: 2,190,997		24: 2,191,421
	181: 2,191,115		2,190,739		136: 2,190,811	97—	55: Re.21,368		118: 2,191,349		30: 2,190,656
	236: 2,191,366		132: 2,191,353	73—	51: 2,190,808		220: 2,191,098		287.5: 2,190,892		2,191,259
	250.3: Re.21,367		152.1: 2,191,373		2,190,833	98—	33: 2,190,937	127—	46: 2,191,365		2,191,299
	253: 2,191,356	41—	10: 2,191,041		151: 2,190,977		2,191,141	128—	2: 2,190,745		2,191,300
	255: 2,191,423		17: 2,190,691		199: 2,191,194	99—	82: 2,190,949		85: 2,191,097		2,191,301
16—	117: 2,191,304	42—	87: 2,191,130	74—	1: 2,190,912		134: 2,191,352		88: 2,191,283		31: 2,191,405
18—	5: 2,190,859	43—	5: 2,191,170		5: 2,190,698		155: 2,190,991		200: 2,191,015		43: 2,190,673
	8: 2,191,108		20: 2,190,984		125.5: 2,190,925		210: 2,191,257		2,191,016		58: 2,190,749
	2,191,296		22: 2,191,004		2,190,926		224: 2,190,714		380: 2,191,080		64: 2,191,139
	56: 2,190,807		32: 2,190,647		189.5: 2,190,831	100—	31: 2,191,082	129—	15: 2,190,707		93: 2,191,199
19—	66: 2,190,744		39: 2,191,244		230.17: 2,191,200	101—	127: 2,191,134		34: 2,191,425		95: 2,191,118
20—	56.5: 2,191,367		46: 2,190,791		242.15: 2,191,155		216: 2,190,740	130—	30: 2,191,183	169—	16: 2,190,944
22—	200: 2,190,828		83.5: 2,191,274		385: 2,190,857		219: 2,190,736	131—	149: 2,190,785	171—	95: 2,190,743
23—	3: Re.21,358		98: 2,191,127		473: 2,190,856		365: 2,190,929		181: 2,191,006		2,191,271
	45: 2,191,411		2,191,220		516: 2,190,972	103—	38: 2,190,933		197: 2,191,014		119: 2,190,756
	93: 2,190,913		135: 2,191,126	75—	10: 2,191,377		46: 2,191,093		224: 2,191,165		206: 2,190,887
	171: 2,191,195		2,191,240		171: 2,190,781		2,191,369	132—	19: 2,191,254		200: 2,190,956
	177: Re.21,357	44—	9: 2,191,204		2,190,840		56: 2,190,968		36: 2,191,293		227: 2,191,074
	230: 2,190,817		2,191,290	76—	54: 2,190,920		97: 2,190,670		68: 2,190,893	172—	239: Re.21,366
24—	71: 2,190,878	45—	6: 2,191,290	77—	58: 2,191,409		190: 2,191,380		78.5: 2,190,894		2,191,063
	125: 2,190,838		24: 2,190,888	80—	5: 2,190,963		232: 2,191,370	135—	5.2: 2,191,024		274: 2,191,158
	170: 2,191,228		138: 2,191,430		35: 2,191,390		261: 2,191,424		5.3: 2,190,867		278: 2,191,220
	205: 2,191,280	46—	80: 2,191,305		66: 2,191,391	104—	93: 2,190,919	136—	9: 2,191,313		2,191,221
	213: 2,191,412		131: 2,190,800	81—	18: 2,191,010	105—	44: 2,191,407		26: 2,191,231	173—	328: 2,190,834
	241: 2,191,084	47—	58: 2,190,890	82—	9: 2,191,347		176: 2,190,728	137—	21: 2,190,723		2,191,297
	243: 2,190,824	48—	180: 2,191,218		28: 2,191,137		182: 2,190,761		2,191,019		332: 2,191,386
	245: 2,190,932	49—	5: 2,191,132		41: 2,191,111		190: 2,190,762		53: 2,190,725		358: 2,191,336
25—	1: 2,191,106		2,191,237	83—	46: 2,191,095		2,190,763		153: 2,191,076		361: 2,191,384
	118: 2,190,801		22: 2,191,245		93: 2,190,971	193:	2,190,643		2,191,319		2,191,385
	131: 2,190,700	51—	184.3: 2,191,256	84—	349: 2,191,058		210: 2,191,408	174—	28: 2,191,071		
	2,190,748	52—	4: 2,190,777		410: Re.21,370		238: 2,190,708	138—	53: 2,191,374		140: 2,191,152
	154: 2,191,025		18: 2,190,703	85—	2.4: 2,191,399		366: 2,191,222	139—	34: 2,190,813		166: 2,191,171
26—	55: 2,190,860	53—	5: 2,191,226		21: 2,190,883		427: 2,190,742		123: 2,191,376	175—	21: 2,191,151
28—	1: 2,190,865		6: 2,191,104		32: 2,191,192		429: 2,190,604		165: 2,191,422		182: 2,190,686
	2,191,039		7: 2,191,275	87—	5: 2,190,769	106—	31: 2,191,295		196: 2,191,242		294: 2,191,334
29—	33: 2,190,986		2,191,284		9: 2,190,648		37: 2,190,705		334: 2,190,837		296: 2,190,952
	85: 2,191,021		2,191,285		2,190,715		40: 2,190,826		376: 2,191,413		301: 2,190,699
	148: 2,191,355	56—	7: 2,191,135		2,191,033		2,190,909	140—	71: 2,190,722		341: 2,190,650
30—	15: 2,190,940		2,191,426		2,191,089		2,191,428	141—	1: 2,191,243		363: 2,190,757
	43: Re.21,363	57—	2: 2,191,417		2,191,090	107—	7: 2,190,943	143—	162: 2,191,410	176—	29: 2,191,346
	72: 2,191,324		144: 2,190,854	88—	1.5: 2,191,027		2,191,268	144—	309: 2,191,069		32: 2,190,875
	134: 2,191,236	60—	40: 2,190,957		2,191,035		14: 2,191,286		2,191,070		2,191,292
	207: 2,191,073		52: 2,190,939		14: 2,190,935	108—	5: 2,190,690	145—	1: 2,190,902		39: 2,191,331
	259: 2,190,911		54: 2,190,830		17: 2,190,658		7: 2,190,654	146—	61: 2,191,003		40: 2,191,189
	330: 2,191,276		54.6: 2,191,054		20: 2,191,047		13: 2,191,383	148—	13: 2,190,667		122: 2,190,657
33—	1: 2,190,779		97: 2,190,755		23: 2,191,414	110—	30: 2,190,973	151—	19: 2,191,201	177—	311: 2,191,234
	28: 2,190,641	61—	54: 2,191,248		24: Re.21,365		45: 2,190,877		35: 2,191,101		2,191,329
	46: 2,191,207	62—	3: 2,191,102		2,190,815		2,191,219	152—	9: 2,190,905		325: 2,191,247
	169: 2,190,899		6: 2,190,796		2,191,036		104: 2,190,974	411:	2,191,202		327: 2,191,001
	172: 2,190,961				2,191,045		105.5: 2,191,112	153—	16: 2,190,839		329: 2,190,861

177— 329: 2,190,862
351: 2,190,960
386: 2,190,686
178— 7.1: 2,191,057
44: 2,190,706
2,191,065
69.5: 2,191,182
179— 78: 2,191,375
100.3: 2,191,404
100.41: 2,191,026
107: 2,191,398
156: 2,191,055
171: 2,190,753
2,191,167
2,191,315
180— 79: 2,191,125
181— 0.5: 2,191,119
2,191,120
2,191,121
2,191,208
183— 27: 2,191,187
32: 2,190,998
71: 2,190,683
2,190,886
79: 2,191,190
188— 3: 2,191,318
66: 2,191,138
78: 2,190,978
79.5: 2,191,420
100: 2,191,346
138: 2,191,188
152: 2,190,979
2,190,981
200: 2,190,681
218: 2,190,767
189— 30.5: 2,191,124
34: 2,191,161
69: 2,190,720
85: 2,190,806
86: 2,190,818
191— 12: 2,191,011
192— 12: 2,191,320
53: 2,190,964
58: 2,191,172
61: 2,191,340
107: 2,190,994
113: 2,190,874
2,191,261
142: 2,190,832
194— 27: 2,191,145
195— 5: 2,190,644
68: 2,190,689
196— 4: 2,191,357
10: 2,190,662
18: 2,191,136
34: 2,191,091
35: 2,191,043
196— 53: 2,191,156
2,191,157
110: 2,191,273
151: 2,190,918
197— 4: 2,190,649
198— 15: 2,191,113
26: 2,191,153
27: 2,191,227
33: 2,190,970
69: 2,191,241
154: 2,190,783
200— 1: 2,190,682
6: 2,191,364
30: 2,191,087
33: 2,190,820
34: 2,190,842
51: 2,191,339
52: 2,190,772
2,190,934
2,191,335
58: 2,191,205
82: 2,191,381
90: 2,190,685
164: 2,190,847
202— 77: 2,191,031
2,191,032
204— 5: 2,190,835
31: 2,191,012
205— 7: 2,190,889
206— 20: 2,191,350
59: 2,191,028
64: 2,190,873
65: 2,190,693
209— 247: 2,191,322
319: 2,190,993
210— 24: 2,190,853
131: 2,191,403
155: 2,190,987
159: 2,191,395
162: 2,190,965
201: 2,191,122
211— 89: 2,191,022
212— 140: 2,191,181
213— 9: 2,190,730
2,190,737
214— 44: 2,190,726
2,190,727
83: 2,190,724
216— 20: 2,191,238
42: 2,191,406
217— 3: 2,190,955
219— 4: Re.21,369
2,190,692
8: 2,190,927
220— 9: Re.21,364
2,190,954
10: 2,190,844
220— 34: 2,190,903
44: 2,190,826
2,190,827
46: 2,190,716
221— 62: 2,190,676
74: 2,190,668
95: 2,191,154
2,191,202
2,191,419
103: 2,190,908
223— 26: 2,191,121
88: 2,191,401
102: 2,190,792
224— 4: 2,191,020
2,191,314
226— 14: 2,190,936
18: 2,191,061
228— 45: 2,191,051
229— 5.5: 2,190,930
5.7: 2,190,990
23: 2,191,180
29: 2,190,846
52: 2,191,291
230— 30: 2,191,162
114: 2,191,272
120: 2,190,945
2,191,341
147: 2,191,345
206: 2,191,326
232— 1: 2,191,235
41: 2,191,251
235— 54: 2,191,086
133: 2,190,710
2,191,298
236— 44: 2,191,208
237— 2: 2,190,671
2,191,173
2,191,174
2,191,175
2,191,176
2,191,177
2,191,178
51: 2,191,064
238— 304: 2,190,999
240— 1.2: 2,191,379
41.3: 2,191,278
61.13: 2,191,049
242— 1: 2,191,393
11: 2,191,316
23: 2,190,760
43: 2,190,797
84.5: 2,190,786
244— 42: 2,191,342
50: 2,191,289
76: 2,191,250
104: 2,191,359
135: 2,191,239
245— 8: Re.21,360
248— 15: 2,191,418
42: 2,191,075
156: 2,190,960
226: 2,191,085
271: 2,191,098
353: 2,190,876
250— 1: 2,191,277
11: 2,190,717
2,190,787
17: 2,190,782
20: 2,190,850
27: 2,190,759
2,190,774
2,190,775
2,190,799
2,190,962
2,191,185
2,191,415
27.5: Re.21,361
2,190,695
2,190,697
2,190,788
2,191,249
33: 2,190,816
36: 2,190,668
2,190,712
2,190,731
81: 2,191,351
162: 2,190,735
166: 2,190,914
251— 46: 2,191,128
113: 2,191,232
126: 2,190,938
252— 1: 2,191,372
2: 2,191,059
2,191,060
2,191,063
6: 2,190,922
254— 44: 2,191,279
104: 2,190,701
131: 2,190,849
190: 2,190,880
255— 1: 2,190,790
2,191,312
257— 2: 2,191,224
136: 2,191,146
137: 2,191,420
240: 2,191,179
241: 2,190,804
245: 2,191,044
259— 96: 2,190,896
2,190,897
163: 2,191,072
260— 3: 2,190,776
13: 2,190,770
22: 2,190,789
260— 23: 2,190,908
2,190,915
30: 2,190,672
36: 2,191,066
51: 2,190,820
94: 2,190,836
97.5: 2,190,660
98: 2,190,734
100: 2,191,306
2,191,308
104: 2,191,310
107: 2,191,307
2,191,309
2,191,311
118: 2,191,034
2,191,206
140: 2,190,841
166: 2,190,750
204: 2,191,103
248: 2,191,361
339: 2,190,907
372: 2,190,751
397: 2,191,260
2,191,394
457: 2,190,733
476: 2,190,917
481: 2,190,921
498: 2,191,053
553: 2,191,432
560: 2,190,746
570: 2,190,732
607: 2,191,062
621: 2,190,747
678: 2,191,068
2,191,088
761: 2,191,266
261— 93: 2,190,852
262— 28: 2,190,924
33: 2,190,674
263— 15: 2,191,354
264— 1: 2,190,806
265— 1: 2,190,906
2,190,967
1.4: 2,190,959
14: 2,191,282
51: 2,191,147
266— 4: 2,190,931
6: 2,191,133
33: 2,191,337
39: 2,191,066
267— 9: 2,190,906
21: 2,191,211
268— 50: 2,191,353
66: 2,190,653
119: 2,190,741
126: 2,190,704
270— 93: 2,190,823
271— 10: 2,191,330
272— 30: 2,190,795
57: 2,190,895
59: 2,191,253
273— 76: 2,191,287
121: 2,191,209
136: 2,191,400
138: 2,191,150
143: 2,190,845
145: 2,191,160
274— 10: 2,191,214
2,191,215
275— 8: 2,190,863
279— 121: 2,191,371
280—11.20: 2,191,018
41: 2,191,005
46: 2,190,963
100: 2,191,184
282— 21: 2,190,928
283— 6: 2,191,067
285— 25: 2,191,164
111: 2,191,343
286— 22: 2,191,265
287— 53: 2,191,294
54: 2,191,258
96: 2,191,348
288— 33: 2,191,142
292— 348: 2,190,951
293— 55: 2,190,891
2,191,368
294— 88: 2,191,143
94: 2,191,000
296— 44: 2,190,976
97: 2,191,009
107: 2,191,269
137: 2,191,264
298— 2: 2,191,327
22: 2,190,869
2,190,870
301— 9: 2,191,091
37: 2,190,669
40: 2,191,392
302— 53: 2,191,096
303— 80: 2,190,980
84: 2,190,872
309— 2: 2,190,719
28: 2,191,023
311— 79: 2,191,007
108: 2,191,168
312— 37: 2,190,879
112: 2,191,116
146: 2,190,652

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,366: 172— 239
Re.21,367: 15—250.3
2,190,660: 260— 97.5
2,190,671: 237— 2
2,190,688: 221— 74
2,190,689: 195— 68
2,190,708: 105— 238
2,190,716: 220— 46
2,190,747: 260— 621
2,190,757: 175— 363
2,190,768: 158— 7.5
2,190,776: 260— 3
2,190,791: 43— 46
2,190,796: 62— 6
2,190,812: 121— 119
2,190,817: 23— 230
2,190,822: 62— 140
2,190,824: 24— 243
2,190,832: 192— 142
2,190,868: 38— 14
2,190,901: 166— 1
2,190,905: 152— 9
2,190,937: 98— 33
2,190,974: 110— 104
2,190,998: 183— 32
2,191,008: 248— 271
2,191,015: 128— 200
2,191,091: 196— 84
2,191,099: 35— 66
2,191,102: 62— 3
2,191,112: 110—105.5
2,191,114: 8— 6
2,191,128: 251— 46
2,191,164: 285— 25
2,191,173: 237— 2
2,191,174: 237— 2
2,191,175: 237— 2
2,191,176: 237— 2
2,191,177: 237— 2
2,191,178: 237— 2
2,191,187: 183— 27
2,191,224: 257— 2
2,191,236: 30— 134
2,191,251: 232— 41
2,191,279: 254— 44
2,191,289: 244— 50
2,191,305: 260— 100
2,191,308: 260— 100
2,191,310: 260— 104
2,191,311: 260— 104
2,191,330: 271— 10
2,191,345: 230— 147
2,191,348: 287— 96
2,191,361: 260— 248
2,191,367: 20— 56.5
2,191,369: 103— 46
2,191,372: 252— 1
2,191,412: 24— 213

U. S. GOVERNMENT PRINTING OFFICE: 1940

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abel Sales Corporation, Columbus, Ohio. Automobile pneumatic tires and tubes. Serial No. 426,722; Feb. 27. Class 35.

Abraham & Straus, Inc., Brooklyn, N. Y. Clothing for men. Serial No. 422,117; Feb. 27. Class 39.

Advance Mfg. Company, Chicago, Ill. Oiled silk. Serial No. 424,219; Feb. 27. Class 50.

Albion, Charles M., doing business as Albion & Sons, Cambridge, Mass. Compounds for cleaning automobile bodies and similar articles. Serial No. 422,921; Feb. 27. Class 4.

American Growers Cooperative Association, Lake Charles, La. Rice. Serial No. 426,723; Feb. 27. Class 46.

American Solder & Flux Co. (See McBride, Frank D.)

American Steel Works, Kansas City, Mo. Oil and gas pressure blower burners. Serial No. 425,636; Feb. 27. Class 34.

Anabolic Food Products, Inc., Chicago, Ill. Laxative food product. Serial No. 413,695; Feb. 27. Class 6.

Arden, Elizabeth, Inc., New York, N. Y. Lipsticks, rouges, and nail polishes, and toilet cream. Serial No. 427,569; Feb. 27. Class 6.

Armstrong, J. A., & Sons Inc., Boston, Mass. Hairnets, baby pants, roll garters, etc. Serial No. 425,947; Feb. 27. Class 39.

Auerbach, Harry M., New York, N. Y. Chopped meat. Serial No. 416,281; Feb. 27. Class 46.

Ayerst, McKenna & Harrison (United States), Limited, Rouses Point, N. Y. Antiseptic dressing. Serial No. 426,049; Feb. 27. Class 6.

Barrett Company, The, New York, N. Y. Coal tar paint. Serial No. 425,948; Feb. 27. Class 16.

Barron-Gray Packing Company, San Jose, Calif. Canned vegetable juices. Serial No. 426,684; Feb. 27. Class 46.

Bone, L. E., doing business as Bread Pep Company, Wichita, Kans. Combination of mineral salts and flour designed as a yeast food. Serial No. 420,211; Feb. 27. Class 46.

Boyce, Henrietta E., Glen Rock, N. J. Sunburn lotions, complexion creams, and skin lotions. Serial No. 426,640; Feb. 27. Class 6.

Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 426,726; Feb. 27. Class 22.

Brandwein, A., & Company, Chicago, Ill. Mattresses, cots, studio couches, and pads. Serial No. 419,608; Feb. 27. Class 32.

Bread Pep Company. (See Bone, L. E.)

Brooks, Angetee, Memphis, Tenn. Hair preparations. Serial No. 426,180; Feb. 27. Class 6.

Bry Block Mercantile Corp., Memphis, Tenn. Gas ranges, heaters, hot plates, etc. Serial No. 422,573; Feb. 27. Class 34.

Calderon, Victor M., Co. Inc., New York, N. Y. Canned sardines. Serial No. 422,587; Feb. 27. Class 46.

Cardox Corporation, Chicago, Ill. Portable fire extinguisher apparatus and repair and replacement parts therefor. Serial No. 427,156; Feb. 27. Class 23.

Carity Hosiery Company, Philadelphia, Pa. Hosiery. Serial No. 425,041; Feb. 27. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Wash dresses. Serial No. 426,854; Feb. 27. Class 39.

Chappel Bros., Inc., Rockford, Ill. Vitaminic food. Serial No. 420,666; Feb. 27. Class 46.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Electric lighting fixtures. Serial No. 426,970; Feb. 27. Class 21.

Chesler, J., & Sons Company, Brooklyn, N. Y. Cylinder door locks. Serial No. 426,602; Feb. 27. Class 23.

Chevette, Inc., New York, N. Y. Panties, panty girdles, girdles, etc. Serial No. 426,157; Feb. 27. Class 39.

Chicopee Manufacturing Corporation, New Brunswick, N. J. Cleaning cloths, towels, dusters, etc. Serial No. 426,556; Feb. 27. Class 42.

Church & Dwight Co. Inc., New York, N. Y. Sal soda and washing soda. Serial Nos. 410,637–40; Feb. 27. Class 4.

Citrus Products Company, Chicago, Ill. Beverages and syrups and concentrates from which such soft drinks are made. Serial No. 426,972; Feb. 27. Class 45.

Citrus Products Company, Chicago, Ill. Beverages and syrups and concentrates from which such soft drinks are made. Serial No. 426,974; Feb. 27. Class 45.

Climalene Company, The, Canton, Ohio. Washing powder. Serial No. 426,287; Feb. 27. Class 4.

Coast Agricultural Fertilizer Company. (See Long, Robert C.)

Commercial Chemical Company. (See Foister, Dewey A.)

Consolidated Biscuit Company, Incorporated, doing business as Davidson Biscuit Co., Chicago and Mt. Vernon, Ill., and Louisville, Ky. Soda crackers or biscuits. Serial No. 424,836; Feb. 27. Class 46.

Consolidated Biscuit Company, Incorporated, doing business as Davidson Biscuit Co., Chicago and Mt. Vernon, Ill., and Louisville, Ky. Soda crackers or biscuits. Serial No. 424,840; Feb. 27. Class 46.

Consolidated Biscuit Company, Incorporated, doing business as Davidson Biscuit Co., Chicago and Mt. Vernon, Ill., and Louisville, Ky. Soda crackers or biscuits. Serial No. 424,842; Feb. 27. Class 46.

Consolidated Biscuit Company, Incorporated, doing business as The Hampton Cracker Company, Incorporated, Chicago, Ill., and Louisville, Ky. Soda crackers or biscuits. Serial No. 424,837; Feb. 27. Class 46.

Coty, Inc., New York, N. Y. Perfume display stands. Serial No. 426,188; Feb. 27. Class 32.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 427,503; Feb. 27. Class 6.

Country Club Soda Co., Inc., Springfield, Mass. Beverages. Serial No. 425,610; Feb. 27. Class 45.

Crosby Naval Stores, Incorporated, Picayune, Miss. Terpene hydrocarbon solvent. Serial No. 426,485; Feb. 27. Class 6.

Custom Undergarment Corporation, New York, N. Y. Rayon piece goods. Serial No. 425,141; Feb. 27. Class 42.

Darco Corporation, The, Canton, Ohio. Boiler compound, radiator compound, and water softener. Serial No. 425,830; Feb. 27. Class 6.

Davidson Biscuit Co. (See Consolidated Biscuit Company, Incorporated.)

Day & Night Water Heater Co., Ltd., Monrovia, Calif. Gas space heaters. Serial No. 424,764; Feb. 27. Class 34.

Delettrez, Inc., Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 426,399; Feb. 27. Class 6.

Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 426,728; Feb. 27. Class 6.

"Designs Silvia Dorée". (See Dorée, Silvia.)

Dixie-Rush Company, The. (See Edmunds, George B.)

Dombrowsky, Max, New York, N. Y. Neckties. Serial No. 411,988; Feb. 27. Class 39.

Dorée, Silvia, doing business as "Designs Silvia Dorée", New York, N. Y. Slippers. Serial No. 426,054; Feb. 27. Class 39.

Drennon, Jake C., doing business as Drennon Food Products Company, Atlanta, Ga. Potato chips, peanut butter sandwiches, and salted peanuts. Serial No. 413,300; Feb. 27. Class 46.

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Cord pulleys, awning blocks, anchor trip hooks, etc. Serial No. 425,782; Feb. 27. Class 13.

Edmunds, George B., doing business as The Dixie-Rush Company, Decatur, Ga. Soft drinks and the syrups and extracts for making the same. Serial No. 421,423; Feb. 27. Class 45.

Enrich Products Co., The, New York, N. Y. Food drink. Serial No. 424,847; Feb. 27. Class 46.

Epstein, Meyer B., doing business as United Chemical Co., Philadelphia, Pa. Cosmetics. Serial No. 425,047; Feb. 27. Class 6.

Fisher, Wm., doing business as Wm. Fisher & Co., San Francisco, Calif. Wheat flour. Serial No. 426,129; Feb. 27. Class 46.

Fleischl, Alfred, & Sons, New York, N. Y. Fresh eggs. Serial No. 422,667; Feb. 27. Class 46.

Foister, Dewey A., doing business as Commercial Chemical Company, Asheville, N. C. Polish for furniture and woodwork. Serial No. 427,658; Feb. 27. Class 16.

Forbes, Jas. H., Tea and Coffee Company, St. Louis, Mo. Spices. Serial No. 425,675; Feb. 27. Class 46.

French Veiling Corp., New York, N. Y. Hair nets. Serial No. 426,884; Feb. 27. Class 39.

Friedman, Ethel, New York, N. Y. Hosiery and underwear and neckties. Serial No. 426,130; Feb. 27. Class 39.

Gadol, Nathan S., Philadelphia, Pa. Preparation for the relief of pain due to muscular aches and pains of a minor nature. Serial No. 426,444; Feb. 27. Class 6.

Galen Company, Inc., The, doing business as Hawaiian Taro Sales Co., Berkeley, Calif. Food product. Serial No. 426,802; Feb. 27. Class 46.

Gartelman, William C., Chicago, Ill. Match book covers. Serial Nos. 425,467–8; Feb. 27. Class 37.

General Devices Company. (See Griffin, Miller P.)

General Motors Corporation, Detroit, Mich. Oil metering plugs and similar metering devices. Serial No. 421,138; Feb. 27. Class 26.

General Printing Ink Corporation, New York, N. Y. Printing ink. Serial No. 426,976; Feb. 27. Class 11.

General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. Serial No. 427,372; Feb. 27. Class 39.

Gibbs, Thomas B., & Co., Chicago, Ill. Instruments and parts thereof used in timing watches, clocks, and similar devices having periodic motion. Serial No. 422,110; Feb. 27. Class 26.
Gilman Paint and Varnish Co., doing business as Hamilton Paint Co., Chattanooga, Tenn. Gold paint, aluminum paint, flat paint, etc. Serial No. 426,250; Feb. 27. Class 16.
Goodrich, B. F., Company, The, Akron, Ohio. Power transmission belts. Serial No. 426,729; Feb. 27. Class 35.
Grandin, D. H., Milling Co., Jamestown, N. Y. Stock feeds. Serial No. 426,875; Feb. 27. Class 46.
Griffin, Miller P., doing business as General Devices Company, Paterson, N. J. Abrasive implements. Serial No. 425,614; Feb. 27. Class 4.
Hamilton Paint Co. (See Gilman Paint and Varnish Co.)
Hampton Cracker Company, Incorporated, The. (See Consolidated Biscuit Company, Incorporated.)
Handigas Company of Ohio, The, Lebanon, Ohio. Compressed natural gas. Serial No. 427,138; Feb. 27. Class 6.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits and canned fruit juices. Serial No. 426,298; Feb. 27. Class 46.
Hawaiian Taro Sales Co. (See Galen Company, Inc., The.)
Herrmann & Jacobs, Inc., New York, N. Y. Linen tablecloths, linen napkins, cotton tablecloths, etc. Serial No. 427,139; Feb. 27. Class 42.
Hooper, Wm. E., & Sons Company, Baltimore, Md. Protective clothing. Serial No. 425,671; Feb. 27. Class 39.
Howe-Anderson Company, doing business as Howe-Anderson Bakery, Galesburg, Ill. Bread. Serial No. 424,594; Feb. 27. Class 46.
Johnson-March Corporation, The, New York, N. Y. Composition for dustproofing coal. Serial Nos. 426,981–2; Feb. 27. Class 6.
Juvenilina Co., The. (See Marin, Antonio Y.)
Kahn, David H., New York, N. Y. Cosmetics. Serial No. 416,424; Feb. 27. Class 6.
Katzinger, Edward, Company, The, Chicago, Ill. Egg beaters. Serial No. 427,140; Feb. 27. Class 23.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Golf balls. Serial No. 426,650; Feb. 27. Class 22.
Keel & Company, Inc., Philadelphia, Pa. White side-wall tire cleaner and dresser. Serial No. 423,567; Feb. 27. Class 4.
Kessler, Louis, doing business as Novelty Games Co., New York, N. Y. Card number game. Serial No. 426,700; Feb. 27. Class 22.
Kline's, Incorporated, St. Louis, Mo. Women's clothing. Serial No. 426,701; Feb. 27. Class 39.
Knit Products Corporation, Belmont, N. C. Hosiery. Serial No. 422,549; Feb. 27. Class 39.
Laboratories G. Reaubourg Société Anonyme, Boulogne, France. Liquid product used for the treatment of nervous affections and diseases and for insomnia. Serial No. 427,435; Feb. 27. Class 6.
Lancks, I. F., Inc., Seattle, Wash. Glues. Serial No. 426,060; Feb. 27. Class 5.
Lempco Products, Inc., Bedford, Ohio. Vehicle axleshafts, driveshafts, flywheel gears, etc. Serial No. 422,937; Feb. 27. Class 23.
Lilly, Eli, and Company, Indianapolis, Ind. Elastic capsule containing vitamins. Serial No. 424,094; Feb. 27. Class 6.
Lockwood Hardware Manufacturing Co., Fitchburg, Mass. Lock sets. Serial No. 426,533; Feb. 27. Class 23.
Long, Robert C., doing business as Coast Agricultural Fertilizer Company, Pasadena, Calif. Plant fertilizer. Serial No. 426,839; Feb. 27. Class 10.
Lonza Elektrizitätswerke & Chemische Fabriken Aktiengesellschaft, Gampel, Switzerland. Preparations for destroying snails and mollusks. Serial No. 426,624; Feb. 27. Class 6.
Manhattan Pickle Company, Chicago, Ill. Foods and ingredients of foods. Serial No. 417,380; Feb. 27. Class 46.
Marin, Antonio Y., doing business as The Juvenilina Co., Ponce, P. R. Bay rum. Serial No. 427,115; Feb. 27. Class 6.
Martin, F. S., doing business as F. S. Martin & Company, Chicago, Ill. Coal. Serial No. 425,029; Feb. 27. Class 1.
Massachusetts Knitting Mills, Boston (Jamaica Plain), Mass. Women's and girls' hosiery. Serial No. 426,733; Feb. 27. Class 39.
McBride, Frank D., doing business as American Solder & Flux Co., Philadelphia, Pa. Soldering flux. Serial No. 418,161; Feb. 27. Class 6.
McKay, W. E., & Co., Inc., New York, N. Y. Cotton and rayon piece goods. Serial No. 426,319; Feb. 27. Class 42.
McKettrick Williams, Inc., New York, N. Y. Ladies' dresses and suits. Serial No. 426,653; Feb. 27. Class 39.
McSweeney, Mary H. (See Reinhardt, Mary Woodard and Mary H. McSweeney.)
Merck & Co., Inc., Rahway, N. J. Therapeutic preparations. Serial No. 427,636; Feb. 27. Class 6.
Michelin & Cie, Clermont-Ferrand, France. Pneumatic tires. Serial No. 420,687; Feb. 27. Class 35.
Minnesota Farm Bureau Service Company, St. Paul, Minn. Poultry food. Serial No. 425,673; Feb. 27. Class 46.
Mobile Paint Manufacturing Company of Delaware, Inc., doing business as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala. Aluminum and bronze paint. Serial No. 425,357; Feb. 27. Class 16.
Modern Made Sportswear, Inc., Los Angeles, Calif. Garments. Serial No. 422,010; Feb. 27. Class 39.
Naitove, S., & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 424,737; Feb. 27. Class 42.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Emery cloth, emery wheels, sand paper, etc. Serial No. 425,292; Feb. 27. Class 4.
National Lead Company, New York, N. Y. Lead and lead alloys. Serial No. 418,732; Feb. 27. Class 14.
National Oil Burner Co., Whitman, Mass. Domestic oil burners. Serial No. 426,536; Feb. 27. Class 34.
New York Merchandise Co. Inc., New York, N. Y. Sun spectacles or goggles. Serial No. 426,958; Feb. 27. Class 26.
Novelty Games Co. (See Kessler, Louis.)
Nutrition Research Laboratories, Inc., Chicago, Ill. Chemical plant growth stimulant. Serial No. 425,900; Feb. 27. Class 10.
Nyal Company, Detroit, Mich. Perfume. Serial No. 427,590–2; Feb. 27. Class 6.
Ortega, E. C., Co., Los Angeles, Calif. Tomato drink. Serial No. 426,704; Feb. 27. Class 46.
Pacific Plastic & Mfg. Co., Inc., Los Angeles, Calif. Plastic door pulls and door knobs. Serial No. 423,114; Feb. 27. Class 13.
Parfums Charbert, Inc., New York, N. Y. Sun-tan oil. Serial No. 426,033; Feb. 27. Class 6.
Printz-Biederman Company, The, Cleveland, Ohio. Coats, suits, and dresses. Serial No. 426,894; Feb. 27. Class 39.
Promat Company, The, Chicago, Ill. Chemical materials and compositions. Serial No. 423,710; Feb. 27. Class 6.
Raylaine Worsteds, Inc., Manchester, N. H. Piece goods. Serial No. 427,041; Feb. 27. Class 42.
Reichhold Chemicals Inc., Detroit and Ferndale Station, Detroit, Mich. Resins and resin solutions. Serial No. 411,180; Feb. 27. Class 1.
Reichhold Chemicals, Inc., Detroit, and Ferndale Station, Detroit, Mich. Resins and resin solutions. Serial No. 422,975; Feb. 27. Class 1.
Reinhardt, Mary Woodard, and Mary H. McSweeney, New York, N. Y. Dentifrice. Serial No. 426,844; Feb. 27. Class 6.
Rhea Manufacturing Company, Milwaukee, Wis. Dresses. Serial No. 426,868; Feb. 27. Class 39.
Root Pop Bottling Co., Washington, D. C. Mixer for Tom Collins. Serial No. 427,087; Feb. 27. Class 45.
Rose, Jacob J., New York, N. Y. Outerskirts, jackets, blouses, etc. Serial No. 425,488; Feb. 27. Class 39.
Roto Wing Company, Minneapolis, Minn. Snow plows and plows for removing snow from the side of the road. Serial No. 422,911; Feb. 27. Class 23.
Royal Robes, Inc., New York, N. Y. Men's robes. Serial No. 422,867; Feb. 27. Class 39.
Royal Venetian Blind Mfg. Co., St. Louis, Mo. Venetian blinds. Serial No. 426,719; Feb. 27. Class 32.
Rudkin, Margaret F., Fairfield, Conn. Toast squares. Serial No. 421,982; Feb. 27. Class 46.
Sackman Brothers Company, New York, N. Y. Children's shirts and pants. Serial No. 426,785; Feb. 27. Class 39.
Scherer, William J., doing business as The Scherer Drug Company, Rochester, N. Y. Soothing cooling lotion. Serial No. 426,014; Feb. 27. Class 6.
Schering Corporation, Bloomfield, N. J. Individual containers containing individual, measured doses of hormone preparations. Serial No. 426,347; Feb. 27. Class 6.
Scherk, Ludwig, Inc., New York, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 427,680; Feb. 27. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Billfolds. Serial No. 426,845; Feb. 27. Class 3.
Sears, Roebuck and Co., Chicago, Ill. Battery cables, ignition cable sets, and ignition coils. Serial No. 427,045; Feb. 27. Class 21.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations used in the treatment of metabolic deficiencies, and tonics. Serial No. 423,117; Feb. 27. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for the treatment of neuralgic conditions, headaches, etc. Serial No. 424,741; Feb. 27. Class 6.
Sharp & Shearer, Inc., Reading, Pa. Cough drops. Serial No. 422,675; Feb. 27. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint fillers, undercoats, etc. Serial No. 427,144; Feb. 27. Class 16.
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. Serial No. 419,680; Feb. 27. Class 4.
Silex Company, The, Hartford, Conn. Tea. Serial No. 420,831; Feb. 27. Class 46.
Silex Company, The, Hartford, Conn. Tea makers, synthetic resin handles therefor, etc. Serial No. 421,542; Feb. 27. Class 13.

Silverstein & Pinsof, Inc., Chicago, Ill. Zinc base slushing alloys, lead base slushing alloys, etc. Serial No. 425,810; Feb. 27. Class 14.
Silverstein & Schlossberg, Baltimore, Md. Coats and suits, jackets and skirts. Serial No. 427,210; Feb. 27. Class 39.
Simberg, Harry, Mattapan, Mass. Ice cream and frozen desserts. Serial No. 421,717; Feb. 27. Class 46.
Smoot, Joseph M., New York, N. Y. Board game. Serial No. 426,578; Feb. 27. Class 22.
Sodiphene Company, The, Kansas City, Mo. Antiseptic germicide. Serial No. 427,090; Feb. 27. Class 6.
Sparks-Withington Company, The, Jackson, Mich. Electrical horns. Serial No. 425,103; Feb. 27. Class 21.
Spuck Iron & Foundry Co., St. Louis, Mo. Processed cast iron alloy metal. Serial No. 425,588; Feb. 27. Class 14.
Spuntex Corporation, New York, N. Y. Women's and girls' wearing apparel. Serial No. 425,656; Feb. 27. Class 39.
Standard Sales Company of Florida, Inc., Jacksonville, Fla. Razor blades. Serial No. 426,074; Feb. 27. Class 23.
Steinman, Will, Inc., New York, N. Y. Dresses. Serial No. 427,399; Feb. 27. Class 39.
Stoloff, Leonard S., Boston, Mass. Marshmallow crème. Serial No. 422,916; Feb. 27. Class 46.
Stoothoff, Stanley, Pontiac, Mich. Parlor or table games. Serial No. 426,716; Feb. 27. Class 22.
Swetnam, Hobb, Company, Wichita Falls, Tex. Preparations or compounds and solutions for mending and repairing motors and motor parts, etc. Serial No. 420,648; Feb. 27. Class 6.
Swetnam, Hobb, Company, Wichita Falls, Tex. Radiator flushing compound, radiator flush neutralizer, etc. Serial No. 420,650; Feb. 27. Class 6.
Swetnam, Hobb, Company, Wichita Falls, Tex. Preparations, compounds, or solutions for the purpose of mending or repairing motors and motor parts, etc. Serial No. 420,652; Feb. 27. Class 6.
Tennessee Corporation, New York, N. Y. Fertilizers. Serial No. 399,637; Feb. 27. Class 10.
Themé Hosiery Company, Inc., Los Angeles, Calif. Hosiery. Serial Nos. 423,932–3; Feb. 27. Class 39.
Tobin Packing Company Incorporated, The, Fort Dodge, Iowa. Meats and meat products. Serial No. 422,761; Feb. 27. Class 46.
Tornatore, Thomas, Canastota, N. Y. Onions. Serial No. 421,359; Feb. 27. Class 46.
Triangle Burner Manufacturing Company, The, Platteville, Colo. Weed and insect burner. Serial No. 425,312; Feb. 27. Class 34.
Tucker's, Martha, Mal-Tee Corporation, Grand Rapids, Mich. Malted milk drink. Serial No. 419,829; Feb. 27. Class 46.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles for axes, hatchets, etc. Serial No. 421,789; Feb. 27. Class 23.
United Chemical Co. (See Epstein, Meyer B.)
United States Gypsum Company, Chicago, Ill. Asphalt roofing. Serial No. 360,332; Feb. 27. Class 12.
United States Record Corporation, New York, N. Y. Phonograph records. Serial No. 422,224; Feb. 27. Class 36.
Western Auto Supply Company, Los Angeles, Calif. Refrigerators. Serial No. 426,746; Feb. 27. Class 31.
Whetstone, Donald, doing business as D. M. Whetstone Co., Marietta, Ohio. Medicinal preparation. Serial No. 427,605; Feb. 27. Class 6.
Whittall, M. J., Associates, Inc., Worcester, Mass. Carpets and rugs. Serial No. 426,387; Feb. 27. Class 42.
Wilson-Sears, Charles, London, England. Cheese. Serial No. 402,834; Feb. 27. Class 46.
Winthrop Chemical Company, Inc., New York, N. Y. Preparation for the treatment of anemias. Serial No. 426,546; Feb. 27. Class 6.
Wohlberg Bros. Neckwear Co., New York, N. Y. Neckties. Serial No. 427,449; Feb. 27. Class 39.
Wolf & Dessauer Co., Fort Wayne, Ind. Pillow cases, sheets, and textile fabrics in the piece. Serial No. 427,055; Feb. 27. Class 42.
Wullschleger & Co., New York, N. Y. Velveteens. Serial No. 427,154; Feb. 27. Class 42.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Colloidal suspension of aluminum hydroxide in combination with other medicinal substances. Serial No. 426,042; Feb. 27. Class 6.
Young, L. A., Spring & Wire Corporation, Detroit, Mich. Spring structures for mattresses and cushions. Serial No. 426,472; Feb. 27. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Airpops-it, Incorporated, Chicago, Ill. Popcorn. 375,801; Feb. 27. Class 46.
Albrecht, Otto E., to E. Albrecht & Son Co., St. Paul, Minn., successor. Furs for personal wear. 127,306; renewed Nov. 11, 1939.
American Air Filter Company, Inc., Louisville, Ky. Ventilating units. 375,824; Feb. 27. Class 34.
American Bemberg Corporation, New York, N. Y. Thread and yarn of artificial origin. 375,654; Feb. 27; Serial No. 396,729; published Dec. 19, 1939. Class 43.
American Coils Inc., Newark, N. J. Heat exchange coils and baffles and air conditioning units. 375,732; Feb. 27; Serial No. 423,453; published Dec. 19, 1939. Class 34.
American Field Seed Company, The. (See American Mutual Seed Company, assignor.)
American Fruit Grower Co. Inc., Chicago, Ill., and Charlottesville, Va., to American Fruit Grower Publishing Company, Cleveland, Ohio, successor. Publication. 129,575; renewed Mar. 9, 1940.
American Mutual Seed Company, assignor, by mesne assignments, to The American Field Seed Company, Chicago, Ill. Seeds. 127,310–1; renewed Nov. 11, 1939.
American Mutual Seed Company, assignor, by mesne assignments, to American Field Seed Company, Chicago, Ill. Seeds. 129,113; renewed Jan. 27, 1940.
American Society of Tool Engineers, Inc., Detroit, Mich. Publication. 375,767; Feb. 27; Serial No. 424,189; published Dec. 5, 1939. Class 38.
American Thread Company, The, New York, N. Y. Thread. 375,742; Feb. 27; Serial No. 423,746; published Nov. 21, 1939. Class 43.
American Writing Paper Company, assignor, by mesne assignments, to American Writing Paper Corporation, Holyoke, Mass. Papetrie-papers. 131,696; renewed May 25, 1940.
American Writing Paper Company, assignor, by mesne assignments, to American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 131,697; renewed May 25, 1940.
Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 375,734; Feb. 27; Serial No. 423,544; published Dec. 19, 1939. Class 19.
Art Lamp Mfg. Co., assignor to Art Lamp Corporation, Chicago, Ill. Lamps, torcheres, lanterns, etc. 132,881; renewed July 6, 1940.
Asbestos Cement Pipes, Incorporated, New York, N. Y. Asbestos cement pipe. 375,676; Feb. 27; Serial No. 417,603; published Dec. 5, 1939. Class 12.
Associated Enterprises Company, Superior, Wis. Record sheets. 375,695; Feb. 27; Serial No. 420,889; published Dec. 19, 1939. Class 37.
Auerbach, Maurice H., doing business as Pasa Pega Sales Co., San Francisco, Calif. Seasoning. 375,726; Feb. 27; Serial No. 423,325; published Dec. 19, 1939. Class 46.
Automotive Improvement Co., Inc., Manteno, Ill. Front brake plate and radius arm tension springs, and foot pedal extension attachments. 375,772; Feb. 27; Serial No. 424,289; published Dec. 19, 1939. Class 19.
Avey, John R., doing business as Avey Products Company, Tulsa, Okla. Lubricating oils and greases and anticorrosive oils. 375,669; Feb. 27; Serial No. 413,974; published Dec. 12, 1939. Class 15.
B. G. Corporation, The. (See Brewster-Goldsmith Corp. Inc., The.)
Bacharach Industrial Instrument Company, Pittsburgh, Pa. Draft gauges, portable gauge analyzers, and thermometers. 375,717; Feb. 27; Serial No. 422,797; published Dec. 19, 1939. Class 26.
Balston, W. & R., Limited, Maidstone, England. Filter-paper. 131,707; renewed May 25, 1940.
Barrett Company, The, New York, N. Y. Resin. 129,201; renewed Feb. 10, 1940.
Beaulieu Vineyard, San Francisco, Calif. Wines. 375,752; Feb. 27; Serial No. 423,008; published Dec. 19, 1939. Class 47.
Betmar Hats, Inc., New York, N. Y. Women's, misses', and children's hats. 375,803; Feb. 27. Class 39.
Bill Brothers Publishing Corporation, New York, N. Y. Monthly printed periodical or trade paper. 375,773; Feb. 27; Serial No. 424,290; published Dec. 5, 1939. Class 38.
Billy Bugg Enterprises. (See Myles, William H.)
Birger, Leslie E., Dearborn, Mich. Periodical. 375,735; Feb. 27; Serial No. 423,624; published Dec. 19, 1939. Class 38.
Bradford Oil Refining Company, Bradford, Pa. Lubricating oils. 375,688; Feb. 27; Serial No. 420,087; published Dec. 19, 1939. Class 15.
Brewster-Goldsmith Corp. Inc., The, now by change of name to The B. G. Corporation, New York, N. Y. Sparkplugs. 131,713; renewed May 25, 1940.
Brown Bros., Utica, N. Y. Blankets, sheets, pillow cases, etc. 375,810; Feb. 27. Class 42.
Buffalo Brewing Company, Sacramento, Calif. Beer. 375,814; Feb. 27. Class 48.
Capewell Manufacturing Company, The. (See Fowler Nail Co., The, assignor.)

Carroon Packing Corporation, Fowler, Ind. Canned corn. 375,802; Feb. 27. Class 46.
Centennial Flouring Mills Co., Seattle, Wash. Blended wheat flour and bread. 375,698; Feb. 27; Serial No. 420,938; published Dec. 19, 1939. Class 46.
Chapman & Rodgers, Inc., Philadelphia, Pa. Window cleaning preparation. 375,781; Feb. 27; Serial No. 424,463; published Dec. 19, 1939. Class 4.
Chase, E. Ellsworth, Jr., doing business as Chevy Chase Co., San Jose, Calif. Canned fruits, canned vegetables, dried fruits, etc. 375,697; Feb. 27; Serial No. 420,884; published Dec. 19, 1939. Class 46.
Chevy Chase Co. (See Chase, E. Ellsworth, Jr.)
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 375,653; Feb. 27; Serial No. 388,903; published Dec. 19, 1939. Class 38.
Churngold Corporation, The, Cincinnati, Ohio. Oleomargarin. 375,796; Feb. 27; Serial No. 424,902; published Dec. 19, 1939. Class 46.
Clack, H. Earl, Company, Havre, Mont. Kerosene. 132,647; renewed June 29, 1940.
Click, Inc. (See Detective Stories Publishing Company.)
Collins, A. M., Manufacturing Company, Philadelphia, Pa. Coated relief overlay-paper. 132,648; renewed June 29, 1940.
Collins, A. M., Manufacturing Company, Philadelphia, Pa. Printing-ink. 132,649; renewed June 29, 1940.
Collins, A. M., Manufacturing Company, Philadelphia, Pa. Etching-powder. 132,650; renewed June 29, 1940.
Collins, A. M., Manufacturing Company, Philadelphia, Pa. Coated cardboard, bristol-board and coated papers. 132,651; renewed June 29, 1940.
Commonwealth Steel Company, St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Eddystone, Pa. Cradles, pilot-beams, and sills, etc. 130,166; renewed Apr. 13, 1940.
Commonwealth Steel Company, St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Eddystone, Pa. Railway cars and parts thereof. 130,680; renewed May 4, 1940.
Conradty, C., Nuremberg, Germany. Electrical apparatus and supplies. 375,662; Feb. 27; Serial No. 412,173; published Dec. 19, 1939. Class 21.
Consolidated Biscuit Company, Incorporated, doing business as The Hampton Cracker Company, Incorporated, Chicago, Ill., and Louisville, Ky. Soda crackers or biscuits. 375,820; Feb. 27. Class 46.
Continental Merchandise Co., New York, N. Y. Sewing needles. 375,673; Feb. 27; Serial No. 416,456; published Dec. 19, 1939. Class 40.
Cotopa Limited, Bradford, England. Cotton yarn and sewing cotton. 375,720; Feb. 27; Serial No. 423,127; published Nov. 21, 1939. Class 43.
Cotopa Limited, Bradford, England. Cotton yarn and sewing cotton in bundle form. 375,721; Feb. 27; Serial No. 423,129; published Nov. 21, 1939. Class 43.
Crescent Coal Company, Incorporated, Bevier, Ky. Coal. 375,715; Feb. 27; Serial No. 422,772; published Dec. 19, 1939. Class 1.
Crescent Coffee Mills, Inc., New Orleans, La., to The Great Atlantic & Pacific Tea Company, New York, N. Y., successor. Coffee. 129,345; renewed Feb. 17, 1940.
Crown Cork & Seal Company, Inc., Baltimore, Md. Machines for filling bottles, jars, cans, etc. with fluids, such as milk. 375,756; Feb. 27; Serial No. 423,942; published Dec. 19, 1939. Class 23.
Crutcher, Carlile, Louisville, Ky. Column appearing in newspapers. 375,764; Feb. 27; Serial No. 424,121; published Dec. 5, 1939. Class 38.
Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines and electrical supplies. 375,799; Feb. 27; Serial No. 424,996; published Dec. 19, 1939. Class 21.
Cwiekalo, John, Iselin, N. J. Computing card device. 375,782; Feb. 27; Serial No. 424,470; published Dec. 19, 1939. Class 38.
Cyclone Grate-Bar Co., Buffalo, N. Y. Grate-bar. 129,144; renewed Jan. 27, 1940.
Daily Mirror, Inc., New York, N. Y. Magazine section of a newspaper. 375,771; Feb. 27; Serial No. 424,258; published Dec. 12, 1939. Class 38.
Dearborn Chemical Company, Chicago, Ill. Lubricating-oils and lubricating-greases. 132,350; renewed June 22, 1940.
Delmag-Maschinenfabrik Reinhold Dornfeld. (See Dornfeld, Reinhold.)
Detective Stories Publishing Company, Chicago, Ill., assignor to Click, Inc., Philadelphia, Pa. Magazine. 375,657; Feb. 27; Serial No. 401,654; published Aug. 2, 1938. Class 38.
Devoe & Raynolds Company, Inc., New York, N. Y. Paints and painters' materials. 129,349; renewed Feb. 17, 1940.
Dornfeld, Reinhold, doing business as Delmag-Maschinenfabrik Reinhold Dornfeld, Esslingen, Germany. Pile drivers. 375,761; Feb. 27; Serial No. 423,994; published Dec. 19, 1939. Class 23.
Du Rocher, Lee A., Norco, La. Time clocks. 375,655; Feb. 27; Serial No. 397,504; published Dec. 19, 1939. Class 27.
Easy Washing Machine Corporation, Syracuse, N. Y. Laundry washing machines. 375,757–9; Feb. 27; Serial Nos. 423,972–4; published Dec. 19, 1939. Class 24.
Editors and Publishers Service Company. (See Roberts, Charles A.)
Eich, August L., Chicago, Ill. Shoes. 375,727; Feb. 27; Serial No. 423,332; published Dec. 19, 1939. Class 39.
Elastic S. A., Basel, Switzerland. Narrow elastic braids, cords, webbings, etc. 375,666; Feb. 27; Serial No. 412,597; published Dec. 19, 1939. Class 40.
Euclid Candy Co. of California, Inc., The, San Francisco, Calif. Candy. 375,706; Feb. 27; Serial No. 421,932; published Dec. 19. 1939. Class 46.
Evening News Publishing Company, The, Dayton, Ohio. Tabloid picture supplement. 375,700; Feb. 27; Serial No. 422,242; published Dec. 5, 1939. Class 38.
Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 132,141; renewed June 15, 1940.
Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 132,677; renewed June 29, 1940.
Feiner Fabrics Inc., New York, N. Y. Water repellent rayon fabrics. 375,683; Feb. 27; Serial No. 418,241; published Sept. 12, 1939. Class 42.
Fir Door Institute, Tacoma, Wash. Douglas fir doors. 375,813; Feb. 27. Class 12.
Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. 375,729; Feb. 27; Serial No. 423,417; published Dec. 19, 1939. Class 19.
Fishback, David D., Wichita, Kans. Pictorial illustration. 375,713; Feb. 27; Serial No. 422,578; published Dec. 19, 1939. Class 38.
Fleisher Yarns, Inc., New York, N. Y. Yarns. 375,674; Feb. 27; Serial No. 416,853; published May 9, 1939. Class 43.
Fowler Nail Co., The, Seymour, assignor to The Fowler & Union Horse Nail Company, New Haven, assignor to The Capewell Manufacturing Company, Hartford, Conn. Molders' nails. 133,130; renewed July 13, 1940.
Franco Corset Company, New York, N. Y. Corsets. 375,777; Feb. 27; Serial No. 424,425; published Dec. 19, 1939. Class 39.
Frederick-Son, Earle, Seattle, Wash. Historical monthly news magazine. 375,792; Feb. 27; Serial No. 424,799; published Dec. 19, 1939. Class 38.
Gastonia Combed Yarn Corporation, Gastonia, N. C. Combed yarn. 375,794; Feb. 27; Serial No. 424,874; published Dec. 12, 1939. Class 43.
General Foods Corporation. (See Postum Cereal Company, assignor.)
General Steel Castings Corporation. (See Commonwealth Steel Company, assignor.)
Gestal, Jose S. (See Putnam, Alfred, & Company.)
Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 375,807; Feb. 27. Class 23.
Glassite Company, The. (See Thomsen, Grover C.)
Glazo Company, Inc., East Rutherford, N. J. Manicure sets. 375,724; Feb. 27; Serial No. 423,260; published Dec. 19, 1939. Class 44.
Great Atlantic & Pacific Tea Company, The. (See Crescent Coffee Mills, Inc.)
Great Lakes Furnace and Insulating Corporation, Buffalo, N. Y. Hot air furnace covering jacket. 375,661; Feb. 27; Serial No. 410,904; published Dec. 19, 1939. Class 34.
Grenadier Products, Inc., New York, N. Y. Radio receiving sets. 375,723; Feb. 27; Serial No. 423,212; published Dec. 19, 1939. Class 21.
Gretsch, Fred, Manufacturing Co., The, New York, N. Y. Fifes, flageolettes, metal flutes, etc. 375,795; Feb. 27; Serial No. 424,876; published Dec. 19, 1939. Class 36.
H P Coffee Company, St. Louis, Mo. Coffee. 375,704; Feb. 27; Serial No. 421,740; published Dec. 19, 1939. Class 46.
Hamersley Manufacturing Company, The, Garfield, N. J. Waxed and unwaxed paper. 375,730; Feb. 27; Serial No. 423,420; published Dec. 19, 1939. Class 37.
Hampton Cracker Company, Incorporated, The. (See Consolidated Biscuit Company, Incorporated.)
Happ Brothers Co., to Happ Brothers Company, Macon, Ga., successor. Overalls and jackets. 130,744; renewed May 4, 1940.
Harris Products Company, Akron, Ohio. Mechanical shaft couplings, universal joints, and flexible bushings. 375,733; Feb. 27; Serial No. 423,499; published Dec. 19, 1939. Class 23.
Hart, Walter H., assignor to Arthur H. Thomas Company, Philadelphia, Pa. Grease. 132,165; renewed June 15, 1940.
Hathorne, Berkeley L., New York, N. Y. Yarns. 375,768; Feb. 27; Serial No. 424,232; published Dec. 5, 1939. Class 43.
Hawaiian Pineapple Company, Limited, Iwilei and Honolulu, Hawaii, assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapples. 130,510; renewed Apr. 27, 1940.
Hays, Daniel, Company, Inc., The, Gloversville, N. Y. Gloves. 375,776; Feb. 27; Serial No. 424,393; published Dec. 19, 1939. Class 39.
Hearst Publications, Incorporated, San Francisco, Calif. Title for a column of fashion news and comment. 375,739; Feb. 27; Serial No. 423,720; published Dec. 5, 1939. Class 38.

Holbrook, Howard A., doing business as The Hot Wire Company, Shorewood, Wis. Electric controller for controlling electric supply to fences or fence wire. 375,804; Feb. 27. Class 21.
Hot Wire Company, The. (See Holbrook, Howard A.)
Imperial Belting Company, Chicago, Ill. Rubber and duck belting, rubber and duck hose, etc. 130,192; renewed Apr. 13, 1940.
Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y., to Ingersoll-Rand Company, New York, N. Y. Fluid-pressure-operated drilling-machines. 131,328; renewed May 11, 1940.
Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y., to Ingersoll-Rand Company, New York, N. Y. Cutlery, machinery, and tools, and parts thereof. 133,147; renewed July 13, 1940.
Insuro Chemical Company, Lawrence, Mass. Liquid preparation for hardening, waterproofing, and accelerating the setting of Portland cement. 375,787; Feb. 27; Serial No. 424,624; published Dec. 19, 1939. Class 12.
International Harvester Company, Chicago, Ill. Power lift mechanism. 375,737; Feb. 27; Serial No. 423,666; published Dec. 19, 1939. Class 23.
Ismert-Hincke Milling Company, The, Kansas City, Mo. Wheat flour. 375,684; Feb. 27; Serial No. 418,341; published Dec. 19, 1939. Class 46.
Jacobs Leather Company, Boston, Mass. Rubber slabs. 375,765; Feb. 27; Serial No. 424,131; published Dec. 19, 1939. Class 1.
Keasbey & Mattison Company, Ambler, Pa. Asbestos thread, asbestos yarn, and asbestos flat thread tape. 375,710; Feb. 27; Serial No. 422,364; published Nov. 21, 1939. Class 43.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 375,815; Feb. 27. Class 11.
Keel & Company, Inc., Philadelphia, Pa. Paint specially adapted for tires and other rubber surfaces. 375,819; Feb. 27. Class 16.
Kellogg, E. H., & Company. (See Sanxay, Edward H. K.)
Kilborn-Sauer Company, The, Fairfield, Conn. Electric automobile and marine lights, electric stop lights, etc. 375,743; Feb. 27; Serial No. 423,761; published Dec. 19, 1939. Class 21.
Kilborn-Sauer Company, The, Fairfield, Conn. Electric automobile and marine lights, electric stop lights, etc. 375,744; Feb. 27; Serial No. 423,764; published Dec. 19, 1939. Class 21.
Kistler, Lesh & Company, Incorporated, Boston, Mass. Straps for textile machinery. 375,748; Feb. 27; Serial No. 423,844; published Dec. 19, 1939. Class 23.
Klein & Goodman, Philadelphia, Pa. Magazine. 375,775; Feb. 27; Serial No. 424,359; published Dec. 5, 1939. Class 38.
Krauth & Benninghofen, Hamilton, Ohio. Music stands. 375,725; Feb. 27; Serial No. 423,305; published Dec. 19, 1939. Class 36.
Krembs, Ottmar M., doing business as Krembs & Co., Chicago, Ill. Electrodes used for welding. 375,816; Feb. 27. Class 14.
Lacey-Webber Co., Kalamazoo, Mich. Thermohydrometers, hydrometers, and freezing point testing devices. 375,762; Feb. 27; Serial No. 424,011; published Dec. 19, 1939. Class 26.
Lamson and Goodnow Manufacturing Company, Shelburne Falls, Mass. Steel knives. 131,528; renewed May 18, 1940.
Lavino, E. J., and Company, Philadelphia, Pa. Material for making cast refractory bodies. 375,679–80; Feb. 27; Serial Nos. 417,921–2; published Oct. 10, 1939. Class 12.
Leading Brands. (See Lichtenstein, E., Co., Inc.)
Lee, Sally, Coffee Co., Inc. (See Wright, Walter R., assignor.)
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' outer coats. 375,656; Feb. 27; Serial No. 397,938; published Nov. 30, 1939. Class 39.
Lichtenstein, E., Co., Inc., also doing business as Leading Brands, Atlanta, Ga. Canned fruits, vegetables, and vegetable juices. 375,812; Feb. 27. Class 46.
Longini, Ira M., doing business as Longini Shoe Mfg. Co., Cincinnati, Ohio. Leather shoes. 375,660; Feb. 27; Serial No. 410,512; published Nov. 21, 1939. Class 39.
Louisville Textiles, Incorporated, Louisville, Ky. Cloth upholstery, drapery, and decorative ribbed flat fabrics, etc. 375,690; Feb. 27; Serial No. 420,137; published Dec. 5, 1939. Class 42.
Lynchburg Foundry Company, Lynchburg, Va. Plows and parts thereof. 130,802; renewed May 4, 1940.
MacMillan & Cameron Co., Wilmington, N. C. Motor oil. 375,769; Feb. 27; Serial No. 424,237; published Dec. 5, 1939. Class 15.
Manfield Handkerchief Co. (See Rosen, Joseph.)
McKesson & Robbins Inc., assignor to William J. Wardall, Trustee of the Estate of McKesson & Robbins Inc., Debtor, New York, N. Y. Medicinal preparations. 132,445–7; renewed June 22, 1940.
McKesson & Robbins Inc., assignor to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y. Preparations for repelling mosquitos and healing their bites. 132,448; renewed June 22, 1940.
McKesson & Robbins Inc., assignor to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y. Medicinal preparations. 132,449; renewed June 22, 1940.
Meltzer & Wigton, Philadelphia, Pa. Canned watermelon juice. 375,793; Feb. 27; Serial No. 424,815; published Dec. 19, 1939. Class 46.
Metropolitan Credit, Inc., Cleveland, Ohio. Advertising material. 375,670; Feb. 27; Serial No. 415,049; published Dec. 19, 1939. Class 38.
Metropolitan Credit, Inc., Cleveland, Ohio. Advertising material. 375,808; Feb. 27. Class 38.
Metropolitan Sewing Machine Corporation, Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Edge guides, hemmers, blind hemmers, etc. 375,716; Feb. 27; Serial No. 422,782; published Dec. 19, 1939. Class 23.
Meyer, Fred, Inc., Portland, Oreg. Condiments. 375,685; Feb. 27; Serial No. 418,553; published Dec. 19, 1939. Class 46.
Miller-Craven, Inc., New York, N. Y. Books of blank forms. 375,728; Feb. 27; Serial No. 423,338; published Dec. 19, 1939. Class 37.
Moore Fabric Company, Pawtucket, R. I. Elastic yarn. 375,753; Feb. 27; Serial No. 423,921; published Nov. 28, 1939. Class 43.
Mundorff, Harry A., Jr., Wilmington, Del. Periodical. 375,707; Feb. 27; Serial No. 422,215; published Dec. 19, 1939. Class 38.
Mullenix, Russell D., Waterloo, Iowa. Penetrating oil. 375,754; Feb. 27; Serial No. 423,922; published Dec. 12, 1939. Class 15.
Myles, William H., doing business as Billy Bugg Enterprises, Chicago, Ill. Cartoon strips. 375,778; Feb. 27; Serial No. 424,434; published Dec. 19, 1939. Class 38.
National Blank Book Company, Riverside, Holyoke, Mass. Loose leaf binders. 375,663; Feb. 27; Serial No. 412,301; published Dec. 19, 1939. Class 37.
National Coast Products Corporation, Swedesboro, N. J. Canned dog and cat food. 375,798; Feb. 27; Serial No. 424,970; published Dec. 19, 1939. Class 46.
Nicholson File Company G & H Barnett Division, Philadelphia, Pa., and Providence, R. I. Files and rasps. 375,763; Feb. 27; Serial No. 424,056; published Dec. 19, 1939. Class 23.
North American Rayon Corporation, New York, N. Y. Thread and yarn. 375,686; Feb. 27; Serial No. 419,433; published Dec. 5, 1939. Class 43.
North American Rayon Corporation, New York, N. Y. Thread and yarn. 375,749; Feb. 27; Serial No. 423,859; published Dec. 12, 1939. Class 43.
North American Rayon Corporation, New York, N. Y. Thread and yarn. 375,755; Feb. 27; Serial No. 423,924; published Dec. 12, 1939. Class 43.
O-Cedar Corp'n, Chicago, Ill. Polishes and waxes. 375,797; Feb. 27; Serial No. 424,927; published Dec. 19, 1939. Class 16.
Ohio Grease Company, The, Loudonville, Ohio. Oils and greases. 132,764; renewed June 29, 1940.
Packard Piston Ring Company. (See Shannon, S. Q.)
Palmer, Russell, Hoboken, N. J. Catalogue. 375,718; Feb. 27; Serial No. 423,004; published Dec. 12, 1939. Class 38.
Pasa Pega Sales Co. (See Auerbach, Maurice H.)
Pfaelzer, Leo M., New York, N. Y. Hats of the calotte or tam type. 375,740; Feb. 27; Serial No. 423,738; published Nov. 21, 1939. Class 39.
Phosphor Bronze Smelting Company, The, Philadelphia, Pa. Alloys. 132,484–5; renewed June 22, 1940.
Phosphor Bronze Smelting Company, The, Philadelphia, Pa. Alloys. 133,175; renewed July 13, 1940.
Photo Developing, Inc. (See Reeves, Edward J., assignor.)
Plock, John L., New York, N. Y. Packed oysters. 375,823; Feb. 27. Class 46.
Postum Cereal Company, Battle Creek, Mich., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Corn-flour. 129,386; renewed Feb. 17, 1940.
Potter Press, The, Waltham, Mass. Metallic holder and support for manifold books. 375,760; Feb. 27; Serial No. 423,985; published Dec. 19, 1939. Class 37.
Pressurelube, Inc., New York, N. Y. Portable grease guns. 3875,746; Feb. 27; Serial No. 423,828; published Dec. 19, 1939. Class 23.
Princeton Silk Corp., New York, N. Y. Piece goods. 375,705; Feb. 27; Serial No. 421,861; published Dec. 5, 1939. Class 42.
Pure Drinks, Inc., Cleveland, Ohio. Beverage. 375,659; Feb. 27; Serial No. 406,851; published Mar. 7, 1939. Class 45.
Putnam, Alfred, & Company, to Jose S. Gestal, doing business as Alfred Putnam & Co., New York, N. Y., successor. Canned fruits and vegetables. 129,204; renewed Jan. 27, 1940.
Raju Holding Co., Inc., North Hackensack, N. J. Electric broilers and for skewers. 375,822; Feb. 27. Class 21.
Reeves, Edward J., New York, N. Y., assignor to Photo Developing, Inc., Camden, N. J. Photographs and prints. 375,664; Feb. 27; Serial No. 412,304; published Dec. 19, 1939. Class 38.
Reichhold Chemicals, Inc., Detroit, Mich. Resins, resin solutions, and oils. 375,714; Feb. 27; Serial No. 422,598; published Dec. 19, 1939. Class 16.

Roberts, Charles A., doing business as Editors and Publishers Service Company, New York, N. Y. Publication. 375,687; Feb. 27; Serial No. 419,735; published Dec. 12, 1939. Class 38.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographs. 375,703; Feb. 27; Serial No. 421,617; published Dec. 19, 1939. Class 36.
Rolandelli Co., San Francisco, Calif. Whiskey. 375,809; Feb. 27. Class 49.
Rosen, Joseph, doing business as Manfield Handkerchief Co., New York, N. Y. Handkerchiefs. 375,741; Feb. 27; Serial No. 423,740; published Dec. 19, 1939. Class 39.
Rosenberg, Isidor, New York, N. Y. Ladies' hats. 375,711; Feb. 27; Serial No. 422,450; published Dec. 19, 1939. Class 39.
Ross, W. A., & Sons, Limited, Belfast, Ireland. Mineral and aerated waters. 131,366; renewed May 11, 1940.
Sanxay, Edward H. K., doing business as E. H. Kellogg & Company, New York, N. Y. Lubricating oils. 375,770; Feb. 27; Serial No. 424,244; published Dec. 5, 1939. Class 15.
Schlosser, Joseph W., Grayslake, Ill. Publication. 375,783; Feb. 27; Serial No. 424,498; published Dec. 19, 1939. Class 38.
Schneider, John Dickinson, The Firm of, Chicago, Ill. Lithographed, printed, and gravure matter. 375,702; Feb. 27; Serial No. 421,540; published Dec. 19, 1939. Class 38.
Schwarze Electric Company, Adrian, Mich. Devices operable for or with electric circuits. 375,701; Feb. 27; Serial No. 421,356; published Dec. 19, 1939. Class 21.
Schwarze Electric Company, Adrian, Mich. Chimes, bells, buzzers, etc., and repair and supply parts therefor, as well as parts thereof. 375,818; Feb. 27. Class 21.
Scott-Burr Stores Corporation, Chicago, Ill. Hosiery. 375,694; Feb. 27; Serial No. 420,692; published Dec. 19, 1939. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Motor oil. 375,658; Feb. 27; Serial No. 404,778; published Dec. 19, 1939. Class 15.
Sears, Roebuck and Co., Chicago, Ill. Lacquer for resurfacing rubber footwear. 375,747; Feb. 27; Serial No. 423,833; published Dec. 19, 1939. Class 4.
Sears, Roebuck and Co., Chicago, Ill. Sinks. 375,800; Feb. 27. Class 13.
Selby Shoe Co., The, Portsmouth, Ohio. Shoes. 375,671; Feb. 27; Serial No. 415,266; published Dec. 19, 1939. Class 39.
Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Inkstands and inkwells. 132,242; renewed June 15, 1940.
Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sanitary moisteners for gummed surfaces. 132,520; renewed June 22, 1940.
Sequoia Citrus Association, Lemon Cove, Calif. Fresh citrus fruits. 375,791; Feb. 27; Serial No. 424,788; published Dec. 19, 1939. Class 46.
Serialgram Company, Sidney, Mont. Printed paper folders. 375,712; Feb. 27; Serial No. 422,566; published Dec. 5, 1939. Class 38.
Shannon, S. Q., doing business as Packard Piston Ring Company, Los Angeles, Calif. Piston rings. 375,817; Feb. 27. Class 35.
Société des Soudures Castolin, S. A., Lausanne, Switzerland. Metal alloys. 375,731; Feb. 27; Serial No. 423,442; published Dec. 19, 1939. Class 14.
Solomon, Bernard M., doing business as Tankar Filling Stations, Montgomery, Ala. Gasoline. 375,682; Feb. 27; Serial No. 418,119; published Aug. 15, 1939. Class 15.
Southwest Cotton Company, Phoenix, Ariz. Baled cotton. 130,927; renewed May 4, 1940.
Sports Vogue Inc., New York, N. Y. Jewelry. 375,788; Feb. 27; Serial No. 424,628; published Dec. 19, 1939. Class 28.
Steele-Wedeles Company, Chicago, Ill. Coffee. 375,681; Feb. 27; Serial No. 418,072; published June 27, 1939. Class 46.
Stempler, Barney, & Sons, Inc., New York, N. Y. Garment hangers. 375,700; Feb. 27; Serial No. 421,210; published Dec. 19, 1939. Class 50.
Stephens, Truman E., doing business as Trulyn Shippers, Edinburg, Tex. Fresh vegetables. 375,696; Feb. 27; Serial No. 420,786; published Dec. 19, 1939. Class 46.
Stinson School of Aviation Inc., Long Island City, N. Y. School newspaper. 375,667; Feb. 27; Serial No. 413,600; published Dec. 5, 1939. Class 38.
Stinson School of Aviation Inc., Long Island City, N. Y. Section of a school newspaper. 375,668; Feb. 27; Serial No. 413,601; published Dec. 5, 1939. Class 38.
Superior Biscuit Co., Los Angeles, Calif. Salted wafers and graham crackers. 375,784; Feb. 27; Serial No. 424,565; published Dec. 19, 1939. Class 46.
Sussberg & Feinberg, Inc., New York, N. Y. Lingerie. 375,806; Feb. 27. Class 39.
Swartchild & Company, Chicago, Ill. Jewelers and watch makers findings. 375,693; Feb. 27; Serial No. 420,605; published Dec. 19, 1939. Class 27.
Swift and Company, Chicago, Ill. Hog feed. 131,632; renewed May 18, 1940.
Talge, Foster L., Kansas City, Mo. Electric broilers. 375,699; Feb. 27; Serial No. 421,059; published Dec. 19, 1939. Class 21.
Tankar Filling Stations. (See Solomon, Bernard M.)
Templeton, Kenly & Co., Ltd., Chicago, Ill. Lifting-jacks. 132,560; renewed June 22, 1940.
Terry Candy Company, Inc., Elizabeth, N. J. Candies. 375,821; Feb. 27. Class 46.
Texas Company, The, New York, N. Y. Lubricating greases. 375,774; Feb. 27; Serial No. 424,317; published Dec. 5, 1939. Class 15.
Texas Company, The, Houston, Tex., to The Texas Company, New York, N. Y. Kerosene-oil. 129,404; renewed Feb. 17, 1940.
Thermo Cuber Company, Inc., Chicago, Ill. Ice cutting machines. 375,745; Feb. 27; Serial No. 423,780; published Dec. 19, 1939. Class 23.
Thomas, Arthur H., Company. (See Hart, Walter H., assignor.)
Thomas, M. & W., Corp., New York, N. Y. Neckties. 375,692; Feb. 27; Serial No. 420,331; published Dec. 19, 1939. Class 39.
Thompson Electric Company, The, Cleveland, Ohio. Fixtures for adjustable hanging electric lamps. 375,677; Feb. 27; Serial No. 417,827; published Dec. 19, 1939. Class 21.
Thomsen, Grover C., doing business as The Glassite Company, Waco, Tex. Beverages and for syrups used in the production thereof. 375,708; Feb. 27; Serial No. 422,221; published Dec. 12, 1939. Class 45.
Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. 375,779; Feb. 27; Serial No. 424,449; published Dec. 19, 1939. Class 28.
Trulyn Shippers. (See Stephens, Truman E.)
Union Metal Manufacturing Company, The, Canton, Ohio. Metal foundry-flasks, bottom boards for boundry-flasks, and core-plates. 131,649; renewed May 18, 1940.
United Buyers Corporation, Chicago, Ill. Brooms, mops, scrubbing brushes, etc. 375,736; Feb. 27; Serial No. 423,640; published Dec. 19, 1939. Class 29.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 375,766; Feb. 27; Serial No. 424,185; published Dec. 12, 1939. Class 38.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 375,789–90; Feb. 27; Serial Nos. 424,672–3; published Dec. 19, 1939. Class 38.
Vine, Benjamin, Haddonfield, N. J. Dish cloths, cloth pot holders, scrub cloths, etc. 375,738; Feb. 27; Serial No. 423,687; published Dec. 5, 1939. Class 42.
Waldes Koh-I-Noor, Inc. (See Federal Snap Fastener Corporation, assignor.)
Wardall, William J. (See McKesson & Robbins Inc.)
Ware, Pratt Company, Worcester, Mass. Men's and boys' shoes. 375,652; Feb. 27; Serial No. 381,179; published Dec. 19, 1939. Class 39.
Washington Mills Company, Mayodan and Winston-Salem, N. C., and Fries, Va. Woven cotton sheeting. 375,722; Feb. 27; Serial No. 423,188; published Dec. 5, 1939. Class 42.
Waverly Petroleum Products Co., Philadelphia, Pa. Lubricating and solvent oil. 375,719; Feb. 27; Serial No. 423,018; published Dec. 12, 1939. Class 15.
Weber & Heilbroner, Inc., New York, N. Y. Hats, caps, neckties, etc. 375,691; Feb. 27; Serial No. 420,300; published Dec. 19, 1939. Class 39.
Weco Products Company, Chicago, Ill. Hair nets. 375,811; Feb. 27. Class 39.
Wembley, Inc., New Orleans, La. Men's neckties and scarfs. 375,750–1; Feb. 27; Serial Nos. 423,868–9; published Dec. 19, 1939. Class 39.
Wernet, George L., Philadelphia, Pa., assignor to Wernet Dental Mfg. Co., Inc., Jersey City, N. J. Powder for false teeth. 133,088; renewed July 6, 1940.
West Coast Kalsomine Company, Berkeley, Calif. Spachtling compounds. 375,805; Feb. 27. Class 12.
Wexler and Sporty, Inc., New York, N. Y. Phonograph and radio receiving set combinations. 375,675; Feb. 27; Serial No. 417,069; published Dec. 19, 1939. Class 36.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 375,785–6; Feb. 27; Serial Nos. 424,609–10; published Dec. 19, 1939. Class 23.
Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. 375,678; Feb. 27; Serial No. 417,830; published Dec. 5, 1939. Class 15.
Willcox & Gibbs Sewing Machine Company. (See Metropolitan Sewing Machine Corporation, assignor.)
Wilner, Helen, New York, N. Y. Binoculars and field glasses. 375,689; Feb. 27; Serial No. 420,126; published Dec. 19, 1939. Class 26.
Wits End, Ardmore, Okla. Writing paper. 375,665; Feb. 27; Serial No. 412,363; published Dec. 19, 1939. Class 37.
Women's Wear Company, New York, N. Y. Title for a newspaper. 375,780; Feb. 27; Serial No. 424,451; published Dec. 19, 1939. Class 38.
Wright, Walter R., Oak Park, assignor, by mesne assignments, to Sally Lee Coffee Co., Inc., Chicago, Ill. Coffee. 375,672; Feb. 27; Serial No. 416,350; published Dec. 19, 1939. Class 46.

LIST OF REGISTRANTS OF LABELS

Adams, Joseph Walter, & Son Labs., Los Angeles, Calif. Ivy-Nox. For a Lotion. 54,298; Feb. 27.
Bird & Son, Inc., East Walpole, Mass. The Alton Shoe. For Cartons. 54,299; Feb. 27.
California Reptile Farm, Berkeley, Calif. Diamond Liniment. For a Liniment. 54,300; Feb. 27.
California Reptile Farm, Berkeley, Calif. Diamond Salve. For a Salve. 54,301; Feb. 27.
California Reptile Farm, Berkeley, Calif. Diamond Liniment. For Liniment. 54,302; Feb. 27.
Clayton, A. C., Printing Company, St. Louis, Mo. Fine Footwear. For Footwear. 54,303; Feb. 27.
Cream of Wheat Corporation, The, Minneapolis, Minn. New! . . . 5 Minute Cream of Wheat. For Wheat Breakfast Food. 54,304–5; Feb. 27.
Electric Game Co., Holyoke, Mass. Zero Plus. For a Game. 54,306; Feb. 27.
Famous Products Company. (See Neumann, Morton G.)
Galen Company, Inc., The, Berkeley, Calif. Hawaiian Poyo Chocolate Malt. For a Chocolate Malt Consisting of Fresh Dehydrated Pol, Sugar, Cocoa Malt, Salt, and Artificial Flavor. 54,307; Feb. 27.
Gaylord Container Corporation, St. Louis Mo. Design 211 B. For Butter. 54,308; Feb. 27.
General Mills, Inc., Minneapolis, Minn. Embo. For a Cereal Food. 54,309; Feb. 27.
Kemp, E. F., Inc., Somerville, Mass. Molasses Peanut Pop. For a Combination or a Mixture of Molasses, Peanuts and Popcorn with Other Ingredients. 54,310; Feb. 27.
La Habra Heights Avocado Assn., La Habra, Calif. California Avocados. For Avocados. 54,311; Feb. 27.
Markwell Mfg. Co., Inc., New York, N. Y. Markwell 5000 Standard Staples. For Staples. 54,312; Feb. 27.
Martin, Samuel, Seattle, Wash. Wild Life in the Kitchen. For Canned Whole Pheasant. 54,313; Feb. 27.
National Knitted Outerwear Association, New York, N. Y. 10-M-To Insure the Utmost Satisfaction and Service from Your Printed or Satin Elastic Swim Suit. For Bathing Suits. 54,314; Feb. 27.
Neumann, Morton G., doing business as Famous Products Company, Chicago, Ill. Lucky Go-Bo Hindu Style Incense. For Incense. 54,315; Feb. 27.
Pliar, J. D., Co., Shreveport, La. Cane River. For Cane Syrup. 54,316; Feb. 27.
Rice-Stix Dry Goods Company, St. Louis, Mo. The World's Most Comfortable Overall. For Overalls. 54,317; Feb. 27.
Russell Manufacturing Company, Leicester, Mass. Cross-Number. For a Card Game. 54,318; Feb. 27.
Russell Manufacturing Company, Leicester, Mass. Crib-Ino. For a Card Game. 54,319; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Orange Flavor Gelatin Dessert. 54,320–1; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Lemon Flavor Gelatin Dessert. 54,322–3; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Lime Flavor Gelatin Dessert. 54,324–5; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Strawberry Flavor Gelatin Dessert. 54,326–7; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Raspberry Flavor Gelatin Dessert. 54,328–9; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Cherry Flavor Gelatin Dessert. 54,330–1; Feb. 27.
Standard Brands Incorporated, New York, N. Y. Royal. For Imitation Pineapple Flavor Gelatin Dessert. 54,332–3; Feb. 27.
Stanlane Company. (See Stanton, Gertrude.)
Stanton, Gertrude, doing business as Stanlane Company, Chicago, Ill. Stanlane Original Measured Cubes. For Cubes for Cleaning Carpets, Drapery, Fabrics, Upholstered Furniture, Lamp Shades, Imitation Leather, etc., and for Washing Painted Surfaces, Woodwork, Venetian Blinds, Window Shades, Linoleum, Tile, Marble, Chromium, Glassware, etc. 54,334; Feb. 27.
Stiles, Mark D., doing business as Stiles Groves, Mount Vernon, N. Y. Ye John Alden & Priscilla Loaf. For Bread. 54,335; Feb. 27.
Sylox Corporation, Stamford, Conn., and New York, N. Y. Sylox Medicinal Powder for the Skin. For a Medicinal Powder for the Skin. 54,336; Feb. 27.
Urban, George, Milling Co., Buffalo, N. Y. Up and Up Self Rising Cake Flour. For a Self-Rising Cake Flour. 54,337; Feb. 27.
Woolson Spice Company, The, Toledo, Ohio. Golden Sun Tea. For Tea. 16,471; renewed June 17, 1940.

LIST OF REGISTRANTS OF PRINTS

Abernathy, St. Elmo, Berkeley, Calif. Meal Worm, Incubator Meal Worms. For Meal Worm Incubators and Meal Worms. 17,843; Feb. 27.
Coulter-Jennings & Co., Detroit, Mich. Unusual Goodwill Offer. For Pottery Baking Dishes, Dinnerware and Rolling Pins. 17,844; Feb. 27.
Farnsworth Television and Radio Corporation, Fort Wayne, Ind. The Greatest Name in Television is the Newest Name in Radio. For Radios and Radio-Phonograph Combinations. 17,845; Feb. 27.
Farnsworth Television and Radio Corporation, Fort Wayne, Ind. Filling a Long Felt Need in the World of Music the New Capehart-Panamuse. For Phonograph-Radio Combinations. 17,846; Feb. 27.
Farnsworth Television and Radio Corporation, Fort Wayne, Ind. Music For a Maharaja's Palace. For Phonograph-Radio Combinations. 17,847; Feb. 27.
Gum Laboratories, Inc., Clifton Heights, Pa. Ivoryne Peroxide Gum. For a Peroxide Gum for Whitening the Teeth. 17,848; Feb. 27.
Monge, P. R., New York, N. Y. A Bartenders' Choice. For Puerto Rican Rum. 17,849; Feb. 27.
Pillsbury Flour Mills Company, Minneapolis, Minn. What She Needs is a Nourishing, Easily Digested Breakfast Every Day—Pillsbury's Farina. For Farina. 17,850; Feb. 27.
Pillsbury Flour Mills Company, Minneapolis, Minn. Each and Every One of Our Performers Eats Pillsbury's Farina for Breakfast. For Farina. 17,851; Feb. 27.
Pillsbury Flour Mills Company, Minneapolis, Minn. Oh Yes, and a Package of Pillsbury's Farina. For Farina. 17,852; Feb. 27.
Pillsbury Flour Mills Company, Minneapolis, Minn. All My Children Just Love Pillsbury's Farina. For Farina. 17,853; Feb. 27.
Putnam Knitting Co., Cohoes, N. Y. Turknit Bunny. For Wash Cloths. 17,854; Feb. 27.
Putnam Knitting Co., Cohoes, N. Y. Turknit. For Wash Cloths. 17,855; Feb. 27.
Stanlane Company. (See Stanton, Gertrude.)
Stanton, Gertrude, doing business as Stanlane Company, Chicago, Ill. Stanline Original Measured Cube. For a Cleaner for Fabrics and Painted Surfaces. 17,856; Feb. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Crescent Coal Company. 375,715; Feb. 27; Serial No. 422,772; published Dec. 19, 1939.
Cotton, Baled. Southwest Cotton Company. 130,927; renewed May 4, 1940.
Rubber slabs. Jacobs Leather Company. 375,765; Feb. 27; Serial No. 424,131; published Dec. 19, 1939.
Resin. Barrett Company. 129,261; renewed Feb. 10, 1940.
Seeds. American Mutual Seed Company. 127,310–1; renewed Nov. 11, 1939.
Seeds. American Mutual Seed Company. 129,113; renewed Jan. 27, 1940.

CLASS 4

Cleaning preparation, Window. Chapman & Rodgers, Inc. 375,781; Feb. 27; Serial No. 424,463; published Dec. 19, 1939.
Lacquer for resurfacing rubber footwear. Sears, Roebuck and Co. 375,747; Feb. 27; Serial No. 423,833; published Dec. 19, 1939.

CLASS 6

Medicinal preparations. McKesson & Robbins Inc. 132,445–7; renewed June 22, 1940.
Medicinal preparations. McKesson & Robbins Inc. 132,449; renewed June 22, 1940.

Powder, Etching. A. M. Collins Manufacturing Company. 132,650; renewed June 29, 1940.
Powder for false teeth. G. L. Wernet. 133,088; renewed July 6, 1940.
Preparations for repelling mosquitos and healing their bites. McKesson & Robbins Inc. 132,448; renewed June 22, 1940.

CLASS 11

Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 375,815; Feb. 27.
Ink, Printing. A. M. Collins Manufacturing Company. 132,649; renewed June 29, 1940.

CLASS 12

Doors, Douglas fir. Fir Door Institute. 375,813; Feb. 27.
Material for making cast refractory bodies. E. J. Lavino and Company. 375,679–80; Feb. 27; Serial Nos. 417,921–2; published Oct. 10, 1939.
Pipe, Asbestos cement. Asbestos Cement Pipes, Incorporated. 375,676; Feb. 27; Serial No. 417,603; published Dec. 5, 1939.
Preparation for hardening, waterproofing, and accelerating the setting of Portland cement, Liquid. Insuro Chemical Company. 375,787; Feb. 27; Serial No. 424,624; published Dec. 19, 1939.
Spachtling compounds. West Coast Kalsomine Company. 375,805; Feb. 27.

CLASS 13

Nails, Molders'. Fowler Nail Co. 133,130; renewed July 13, 1940.
Sinks. Sears, Roebuck and Co. 375,800; Feb. 27.

CLASS 14

Alloys. Phosphor Bronze Smelting Company. 132,484–5; renewed June 22, 1940.
Alloys. Phosphor Bronze Smelting Company. 133,175; renewed July 13, 1940.
Alloys, Metal. Société des Soudures Castolin, S. A. 375,731; Feb. 27; Serial No. 423,442; published Dec. 19, 1939.
Electrodes used for welding. O. M. Krembs. 375,816; Feb. 27.

CLASS 15

Candles. Will & Baumer Candle Co. 375,678; Feb. 27; Serial No. 417,830; published Dec. 5, 1939.
Gasoline. B. M. Solomon. 375,682; Feb. 27; Serial No. 418,119; published Aug. 15, 1939.
Grease. W. H. Hart. 132,165; renewed June 15, 1940.
Greases, Lubricating. Texas Company. 375,774; Feb. 27; Serial No. 424,317; published Dec. 5, 1939.
Kerosene. Earl H. Clack Company. 132,647; renewed June 29, 1940.
Kerosene-oil. Texas Company. 129,404; renewed Feb. 17, 1940.
Oil, Lubricating and solvent. Waverly Petroleum Products Co. 375,719; Feb. 27; Serial No. 423,018; published Dec. 12, 1939.
Oil, Motor. MacMillan & Cameron Co. 375,769; Feb. 27; Serial No. 424,237; published Dec. 5, 1939.
Oil, Motor. Sears, Roebuck and Co. 375,658; Feb. 27; Serial No. 404,778; published Dec. 19, 1939.
Oil, Penetrating. R. D. Mullenix. 375,754; Feb. 27; Serial No. 423,922; published Dec. 12, 1939.
Oils and greases. Ohio Grease Company. 132,764; renewed June 29, 1940.
Oils and greases and anti-corrosive oils, Lubricating. J. R. Avey. 375,669; Feb. 27; Serial No. 413,974; published Dec. 12, 1939.
Oils and lubricating greases, Lubricating. Dearborn Chemical Company. 132,350; renewed June 22, 1940.
Oils, Lubricating. Bradford Oil Refining Company. 375,688; Feb. 27; Serial No. 420,087; published Dec. 19, 1939.
Oils, Lubricating. E. H. K. Sanxay. 375,770; Feb. 27; Serial No. 424,244; published Dec. 5, 1939.

CLASS 16

Paint specially adapted for tires and other rubber surfaces. Keel & Company. 375,819; Feb. 27.
Paints and painters' materials. Devoe & Raynolds Company. 129,349; renewed Feb. 17, 1940.
Polishes and waxes. O-Cedar Corp'n. 375,797; Feb. 27; Serial No. 424,927; published Dec. 19, 1939.
Resins, resin solutions, and oils. Reichhold Chemicals, Inc. 375,714; Feb. 27; Serial No. 422,598; published Dec. 19, 1939.

CLASS 19

Bicycles. Arnold Schwinn & Co. 375,734; Feb. 27; Serial No. 423,544; published Dec. 19, 1939.
Bicycles and structural parts thereof. Firestone Tire & Rubber Company. 375,729; Feb. 27; Serial No. 423,417; published Dec. 19, 1939.
Brake plate and radius arm tension springs, and foot pedal extension attachments, Front. Automotive Improvement Co. 375,772; Feb. 27; Serial No. 424,289; published Dec. 19, 1939.
Cars and parts thereof, Railway. Commonwealth Steel Company. 130,680; renewed May 4, 1940.

CLASS 21

Broilers and for skewers, Electric. Raju Holding Co. 375,822; Feb. 27.
Broilers, Electric. F. L. Talge. 375,699; Feb. 27; Serial No. 421,059; published Dec. 19, 1939.
Chimes, bells, buzzers, etc., and repair and supply parts therefor, as well as parts thereof. Schwarze Electric Company. 375,818; Feb. 27.
Devices operable for or with electric circuits. Schwarze Electric Company. 375,701; Feb. 27; Serial No. 421,356; published Dec. 19, 1939.
Electric controller for controlling electric supply to fences or fence wire. H. A. Holbrook. 375,804; Feb. 27.
Electrical apparatus and supplies. C. Conradty. 375,662; Feb. 27; Serial No. 412,173; published Dec. 19, 1939.
Electrical control apparatus, electrical machines and electrical supplies. Cutler-Hammer, Inc. 375,799; Feb. 27; Serial No. 424,996; published Dec. 19, 1939.
Fixtures for adjustable hanging electric lamps. Thompson Electric Company. 375,677; Feb. 27; Serial No. 417,827; published Dec. 19, 1939.
Lamps, torchères, lanterns, etc. Art Lamp Mfg. Co. 132,881; renewed July 6, 1940.
Lights, electric stop lights, etc., Electric automobile and marine. Kliborn-Sauer Company. 375,743; Feb. 27; Serial No. 423,761; published Dec. 19, 1939.
Lights, electric stop lights, etc., Electric automobile and marine. Kliborn-Sauer Company. 375,744; Feb. 27; Serial No. 423,764; published Dec. 19, 1939.
Plugs, Spark. Brewster-Goldsmith Corp. Inc. 131,713; renewed May 25, 1940.
Radio receiving sets. Grenadier Products, Inc. 375,723; Feb. 27; Serial No. 423,212; published Dec. 19, 1939.

CLASS 23

Couplings, universal joints, and flexible bushings, Mechanical shaft. Harris Products Company. 375,733; Feb. 27; Serial No. 423,499; published Dec. 19, 1939.
Cradles, pilot-beams, and sills, etc. Commonwealth Steel Company. 130,166; renewed Apr. 13, 1940.
Cutlery, machinery, and tools, and parts thereof. Ingersoll-Rand Company. 133,147; renewed July 13, 1940.
Drilling-machines, Fluid-pressure-operated. Ingersoll-Rand Company. 131,328; renewed May 11, 1940.
Files and rasps. Nicholson File Company G & H Barnett Division. 375,763; Feb. 27; Serial No. 424,056; published Dec. 19, 1939.
Flasks, bottom boards for foundry-flasks, and core-plates, Metal foundry. Union Metal Manufacturing Company. 131,649; renewed May 18, 1940.
Grease guns, Portable. Pressurelube, Inc. 375,746; Feb. 27; Serial No. 423,828; published Dec. 19, 1939.
Guides, hemmers, blind hemmers, etc., Edge. Metropolitan Sewing Machine Corporation. 375,716; Feb. 27; Serial No. 422,782; published Dec. 19, 1939.
Ice cutting machines. Thermo Cuber Company. 375,745; Feb. 27; Serial No. 423,780; published Dec. 19, 1939.
Jacks, Lifting. Templeton, Kenly & Co. 132,560; renewed June 22, 1940.
Knives, Steel. Lamson and Goodnow Manufacturing Company. 131,528; renewed May 18, 1940.
Machines for filling bottles, jars, cans, etc., with fluids, such as milk. Crown Cork & Seal Company. 375,756; Feb. 27; Serial No. 423,942; published Dec. 19, 1939.
Pile drivers. R. Dornfeld. 375,761; Feb. 27; Serial No. 423,994; published Dec. 19, 1939.
Plows and parts thereof. Lynchburg Foundry Company. 130,802; renewed May 4, 1940.
Power lift mechanism. International Harvester Company. 375,737; Feb. 27; Serial No. 423,666; published Dec. 19, 1939.
Razor blades, Safety. Gillette Safety Razor Company. 375,807; Feb. 27, 1940.
Sewing machines. White Sewing Machine Corporation. 375,785–6; Feb. 27; Serial No. 424,609–10; published Dec. 19, 1939.
Straps for textile machinery. Kistler, Lesh & Company. 375,748; Feb. 27; Serial No. 423,844; published Dec. 19, 1939.

CLASS 24

Laundry washing machines. Easy Washing Machine Corporation. 375,757–9; Feb. 27; Serial No. 423,972–4; published Dec. 19, 1939.

CLASS 26

Binoculars and field glasses. H. Wilner. 375,689; Feb. 27; Serial No. 420,126; published Dec. 19, 1939.
Gauges, portable gauge analyzers, and thermometers, Draft. Bacharach Industrial Instrument Company. 375,717; Feb. 27; Serial No. 422,797; published Dec. 19, 1939.
Thermohydrometers, hydrometers, and freezing point testing devices. Lacey-Webber Co. 375,762; Feb. 27; Serial No. 424,011; published Dec. 19, 1939.

CLASS 27

Clocks, Time. L. A. Du Rocher. 375,655; Feb. 27; Serial No. 397,504; published Dec. 19, 1939.

Jewelers and watch makers findings. Swartchild & Company. 375,693; Feb. 27; Serial No. 420,605; published Dec. 19, 1939.

CLASS 28

Diamonds and precious stones. Trabert & Hoeffer Inc. 375,779; Feb. 27; Serial No. 424,449; published Dec. 19, 1939.
Jewelry. Sports Vogue Inc. 375,788; Feb. 27; Serial No. 424,628; published Dec. 19, 1939.

CLASS 29

Brooms, mops, scrubbing brushes, etc. United Buyers Corporation. 375,736; Feb. 27; Serial No. 423,640; published Dec. 19, 1939.

CLASS 34

Coils and baffles and air conditioning units, Heat exchange. American Coils Inc. 375,732; Feb. 27; Serial No. 423,453; published Dec. 19, 1939.
Furnace covering jacket, Hot air. Great Lakes Furnace and Insulating Corporation. 375,661; Feb. 27; Serial No. 410,904; published Dec. 19, 1939.
Grate-bar. Cyclone Grate-Bar Co. 129,144; renewed Jan. 27, 1940.
Ventilating units. American Air Filter Company. 375,824; Feb. 27.

CLASS 35

Belting, rubber and duck hose, etc., Rubber and duck. Imperial Belting Company. 130,192; renewed Apr. 13, 1940.
Piston rings. S. Q. Shannon. 375,817; Feb. 27.

CLASS 36

Fifes, flageolettes, metal flutes, etc. Fred Gretsch Manufacturing Co. 375,795; Feb. 27; Serial No. 424,876; published Dec. 19, 1939.
Music stands. Krauth & Benninghofen. 375,725; Feb. 27; Serial No. 423,305; published Dec. 19, 1939.
Phonographs. Rock-Ola Manufacturing Corporation. 375,703; Feb. 27; Serial No. 421,617; published Dec. 19, 1939.
Phonograph and radio receiving set combinations. Wexler and Sporty, Inc. 375,675; Feb. 27; Serial No. 417,069; published Dec. 19, 1939.

CLASS 37

Binders, Loose leaf. National Blank Book Company. 375,663; Feb. 27; Serial No. 412,301; published Dec. 19, 1939.
Books of blank forms. Miller-Craven, Inc. 375,728; Feb. 27; Serial No. 423,338; published Dec. 19, 1939.
Cardboard, bristol-board and coated papers, Coated. A. M. Collins Manufacturing Company. 132,651; renewed June 29, 1940.
Holder and support for manufold books. Potter Press. 375,760; Feb. 27; Serial No. 423,985; published Dec. 19, 1939.
Inkstands and inkwells. Sengbusch Self-Closing Inkstand Company. 132,242; renewed June 15, 1940.
Moisteners for gummed surfaces, Sanitary. Sengbusch Self-Closing Inkstand Company. 132,520; renewed June 22, 1940.
Paper, Coated relief overlay. A. M. Collins Manufacturing Company. 132,648; renewed June 29, 1940.
Paper, Filter. W. & R. Balston, Limited. 131,707; renewed May 25, 1940.
Paper, Waxed and unwaxed. Hamersley Manufacturing Company. 375,730; Feb. 27; Serial No. 423,420; published Dec. 19, 1939.
Paper, Writing. Wits End. 375,665; Feb. 27; Serial No. 412,363; published Dec. 19, 1939.
Paper, Writing and printing. American Writing Paper Company. 131,697; renewed May 25, 1940.
Papers, Papetrie. American Writing Paper Company. 131,696; renewed May 25, 1940.
Sheets, Record. Associated Enterprises Company. 375,695; Feb. 27; Serial No. 420,889; published Dec. 19, 1939.

CLASS 38

Advertising material. Metropolitan Credit, Inc. 375,670; Feb. 27; Serial No. 415,049; published Dec. 19, 1939.
Advertising material. Metropolitan Credit, Inc. 375,808; Feb. 27.
Card device, Computing. J. Cwiekalo. 375,782; Feb. 27; Serial No. 424,470; published Dec. 19, 1939.
Cartoon strips. W. H. Myles. 375,778; Feb. 27; Serial No. 424,434; published Dec. 19, 1939.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 375,653; Feb. 27; Serial No. 388,903; published Dec. 19, 1939.
Catalogue. R. Palmer. 375,718; Feb. 27; Serial No. 423,004; published Dec. 12, 1939.
Column appearing in newspapers. C. Crutcher. 375,764; Feb. 27; Serial No. 424,121; published Dec. 5, 1939.
Folders, Printed paper. Serialgram Company. 375,712; Feb. 27; Serial No. 422,566; published Dec. 5, 1939.
Magazine. Detective Stories Publishing Company. 375,657; Feb. 27; Serial No. 401,654; published Aug. 2, 1938.
Magazine. Klein & Goodman. 375,775; Feb. 27; Serial No. 424,359; published Dec. 5, 1939.
Magazine, Historical monthly news. E. Frederick-Son. 375,792; Feb. 27; Serial No. 424,799; published Dec. 19, 1939.
Magazine section of a newspaper. Daily Mirror, Inc. 375,771; Feb. 27; Serial No. 424,258; published Dec. 12, 1939.
Newspaper, School. Stinson School of Aviation Inc. 375,667; Feb. 27; Serial No. 413,600; published Dec. 5, 1939.
Newspaper, Section of a school. Stinson School of Aviation Inc. 375,668; Feb. 27; Serial No. 413,601; published Dec. 5, 1939.
Periodical. L. E. Birger. 375,735; Feb. 27; Serial No. 423,624; published Dec. 19, 1939.
Periodical. H. A. Mundorff, Jr. 375,707; Feb. 27; Serial No. 422,215; published Dec. 19, 1939.
Periodical or trade paper, Monthly printed. Bill Brothers Publishing Corporation. 375,773; Feb. 27; Serial No. 424,290; published Dec. 5, 1939.
Photographed, printed, and gravure matter. Firm of John Dickinson Schneider. 375,702; Feb. 27; Serial No. 421,540; published Dec. 19, 1939.
Photographs and prints. E. J. Reeves. 375,664; Feb. 27; Serial No. 412,304; published Dec. 19, 1939.
Pictorial illustration. D. D. Fishback. 375,713; Feb. 27; Serial No. 422,578; published Dec. 19, 1939.
Publication. American Fruit Grower Co. Inc. 129,575; renewed Mar. 9, 1940.
Publication. American Society of Tool Engineers, Inc. 375,767; Feb. 27; Serial No. 424,189; published Dec. 5, 1939.
Publication. C. A. Roberts. 375,687; Feb. 27; Serial No. 419,735; published Dec. 12, 1939.
Publication. J. W. Schlosser. 375,783; Feb. 27; Serial No. 424,498; published Dec. 19, 1939.
Sections of periodical publications. United States News Publishing Corporation. 375,766; Feb. 27; Serial No. 424,185; published Dec. 12, 1939.
Sections of periodical publications. United States News Publishing Corporation. 375,789–90; Feb. 27; Serial No. 424,672–3; published Dec. 19, 1939.
Tabloid picture supplement. Evening News Publishing Company. 375,709; Feb. 27; Serial No. 422,242; published Dec. 5, 1939.
Title for a column of fashion news and comment. Hearst Publications, Incorporated. 375,739; Feb. 27; Serial No. 423,720; published Dec. 5, 1939.
Title for a newspaper. Women's Wear Company. 375,780; Feb. 27; Serial No. 424,451; published Dec. 19, 1939.

CLASS 39

Coats, Men's and boys' outer. Levy Bros. & Adler Rochester, Incorporated. 375,656; Feb. 27; Serial No. 397,938; published Nov. 30, 1937.
Corsets. Franco Corset Company. 375,777; Feb. 27; Serial No. 424,425; published Dec. 19, 1939.
Furs for personal wear. O. E. Albrecht. 127,306; renewed Nov. 11, 1939.
Gloves. Daniel Hays Company. 375,776; Feb. 27; Serial No. 424,393; published Dec. 19, 1939.
Hair nets. Weco Products Company. 375,811; Feb. 27.
Handkerchiefs. J. Rosen. 375,741; Feb. 27; Serial No. 423,740; published Dec. 19, 1939.
Hats, caps, neckties, etc. Weber & Heilbroner, Inc. 375,691; Feb. 27; Serial No. 420,300; published Dec. 19, 1939.
Hats, Ladies'. I. Rosenberg. 375,711; Feb. 27; Serial No. 422,450; published Dec. 19, 1939.
Hats of the calotte or tam type. L. M. Pfaelzer. 375,740; Feb. 27; Serial No. 423,738; published Nov. 21, 1939.
Hats, Women's, misses', and children's. Betmar Hats, Inc. 375,803; Feb. 27.
Hosiery. Scott-Burr Stores Corporation. 375,694; Feb. 27; Serial No. 420,692; published Dec. 19, 1939.
Lingerie. Sussberg & Feinberg, Inc. 375,806; Feb. 27.
Neckties. M. & W. Thomas Corp. 375,692; Feb. 27; Serial No. 420,331; published Dec. 19, 1939.
Neckties and scarfs, Men's. Wembley, Inc. 375,750–1; Feb. 27; Serial No. 423,868–9; published Dec. 19, 1939.
Overalls and jackets. Happ Brothers Co. 130,744; renewed May 4, 1940.
Shoes. A. L. Eich. 375,727; Feb. 27; Serial No. 423,332; published Dec. 19, 1939.
Shoes. Selby Shoe Co. 375,671; Feb. 27; Serial No. 415,266; published Dec. 19, 1939.
Shoes, Leather. I. M. Longini. 375,660; Feb. 27; Serial No. 410,512; published Nov. 21, 1939.
Shoes, Men's and boys'. Ware, Pratt Company. 375,652; Feb. 27; Serial No. 381,179; published Dec. 19, 1939.

CLASS 40

Braids, cords, webbings, etc., Narrow elastic. Elastic S. A. 375,666; Feb. 27; Serial No. 412,597; published Dec. 19, 1939.
Fasteners and placket-fasteners, Snap. Federal Snap Fastener Corporation. 132,141; renewed June 15, 1940.
Fasteners and placket-fasteners, Snap. Federal Snap Fastener Corporation. 132,677; renewed June 29, 1940.
Needles, Sewing. Continental Merchandise Co. 375,673; Feb. 27; Serial No. 416,456; published Dec. 19, 1939.

CLASS 42

Blankets, sheets, pillow cases, etc. Brown Bros. 375,810; Feb. 27.
Cloths, cloth pot holders, scrub cloths, etc., Dish. B. Vine. 375,738; Feb. 27; Serial No. 423,687; published Dec. 5, 1939.
Piece goods. Princeton Silk Corp. 375,705; Feb. 27; Serial No. 421,861; published Dec. 5, 1939.
Rayon fabrics, Water repellent. Feiner Fabrics Inc. 375,683; Feb. 27; Serial No. 418,241; published Sept. 12, 1939.
Sheeting, Woven cotton. Washington Mills Company. 375,722; Feb. 27; Serial No. 423,188; published Dec. 5, 1939.
Upholstery, drapery, and decorative ribbed flat fabrics, etc., Cloth. Louisville Textiles, Incorporated. 375,690; Feb. 27; Serial No. 420,137; published Dec. 5, 1939.

CLASS 43

Thread. American Thread Company. 375,742; Feb. 27; Serial No. 423,746; published Nov. 21, 1939.
Thread and yarn. North American Rayon Corporation. 375,686; Feb. 27; Serial No. 419,433; published Dec. 5, 1939.
Thread and yarn. North American Rayon Corporation. 375,749; Feb. 27; Serial No. 423,859; published Dec. 12, 1939.
Thread and yarn. North American Rayon Corporation. 375,755; Feb. 27; Serial No. 423,924; published Dec. 12, 1939.
Thread and yarn of artificial origin. American Bemberg Corporation. 375,654; Feb. 27; Serial No. 396,729; published Dec. 19, 1939.
Thread, asbestos yarn, and asbestos flat thread tape, Asbestos. Keasbey & Mattison Company. 375,710; Feb. 27; Serial No. 422,364; published Nov. 21, 1939.
Yarn and sewing cotton, Cotton. Cotopa Limited. 375,720; Feb. 27; Serial No. 423,127; published Nov. 21, 1939.
Yarn and sewing cotton in bundle form, Cotton. Cotopa Limited. 375,721; Feb. 27; Serial No. 423,129; published Nov. 21, 1939.
Yarn, Combed. Gastonia Combed Yarn Corporation. 375,794; Feb. 27; Serial No. 424,874; published Dec. 12, 1939.
Yarn, Elastic. Moore Fabric Company. 375,753; Feb. 27; Serial No. 423,921; published Nov. 28, 1939.
Yarns. Fleisher Yarns, Inc. 375,674; Feb. 27; Serial No. 416,853; published May 9, 1939.
Yarns. B. L. Hathorne. 375,768; Feb. 27; Serial No. 424,232; published Dec. 5, 1939.

CLASS 44

Manicure sets. Glazo Company. 375,724; Feb. 27; Serial No. 423,260; published Dec. 19, 1939.

CLASS 45

Beverage. Pure Drinks, Inc. 375,659; Feb. 27; Serial No. 406,851; published Mar. 7, 1939.
Beverages and for syrups used in the production thereof. G. C. Thomsen. 375,708; Feb. 27; Serial No. 422,221; published Dec. 12, 1939.
Waters, Mineral and aerated. W. A. Ross & Sons, Limited. 131,366; renewed May 11, 1940.

CLASS 46

Candies. Terry Candy Company. 375,821; Feb. 27.
Candy. Euclid Candy Co. 375,706; Feb. 27; Serial No. 421,932; published Dec. 19, 1939.
Canned corn. Carroon Packing Corporation. 375,802; Feb. 27.
Canned dog and cat food. National Coast Products Corporation. 375,798; Feb. 27; Serial No. 424,970; published Dec. 19, 1939.
Canned fruits and vegetables. Alfred Putnam & Company. 129,204; renewed Jan. 27, 1940.
Canned fruits, canned vegetables, dried fruits, etc. E. E. Chase, Jr. 375,697; Feb. 27; Serial No. 420,884; published Dec. 19, 1939.
Canned fruits, vegetables, and vegetable juices. E. Lichtenstein Co. 375,812; Feb. 27.
Canned pineapples. Hawaiian Pineapple Company. 130,510; renewed Apr. 27, 1940.
Canned watermelon juice. Meltzer & Wigton. 375,793; Feb. 27; Serial No. 424,815; published Dec. 19, 1939.
Coffee. Crescent Coffee Mills, Inc. 129,345; renewed Feb. 17, 1940.
Coffee. H P Coffee Company. 375,704; Feb. 27; Serial No. 421,740; published Dec. 19, 1939.
Coffee. Steele-Wedeles Company. 375,681; Feb. 27; Serial No. 418,072; published June 27, 1939.
Coffee. W. R. Wright. 375,672; Feb. 27; Serial No. 416,350; published Dec. 19, 1939.
Condiments. Fred Meyer, Inc. 375,685; Feb. 27; Serial No. 418,553; published Dec. 19, 1939.
Crackers or biscuits, Soda. Consolidated Biscuit Company. 375,820; Feb. 27.
Feed, Hog. Swift and Company. 131,632; renewed May 18, 1940.
Flour and bread, Blended wheat. Centennial Flouring Mills Co. 375,698; Feb. 27; Serial No. 420,938; published Dec. 19, 1939.
Flour, Corn. Postum Cereal Company. 129,386; renewed Feb. 17, 1940.
Flour, Wheat. Ismert-Hincke Milling Company. 375,684; Feb. 27; Serial No. 418,341; published Dec. 19, 1939.
Fruits, Fresh citrus. Sequoia Citrus Association. 375,791; Feb. 27; Serial No. 424,788; published Dec. 19, 1939.
Oleomargarin. Churngold Corporation. 375,796; Feb. 27; Serial No. 424,902; published Dec. 19, 1939.
Oysters, Packed. J. L. Pock. 375,823; Feb. 27.
Popcorn. Airpops-it, Incorporated. 375,801; Feb. 27.
Seasoning. M. H. Auerbach. 375,726; Feb. 27; Serial No. 423,325; published Dec. 19, 1939.
Vegetables, Fresh. T. E. Stephens. 375,696; Feb. 27; Serial No. 420,786; published Dec. 19, 1939.
Wafers and graham crackers, Salted. Superior Biscuit Co. 375,784; Feb. 27; Serial No. 424,565; published Dec. 19, 1939.

CLASS 47

Wines. Beaulieu Vineyard. 375,752; Feb. 27; Serial No. 423,908; published Dec. 19, 1939.

CLASS 48

Beer. Buffalo Brewing Company. 375,814; Feb. 27.

CLASS 49

Whiskey. Rolandelli Co. 375,809; Feb. 27.

CLASS 50

Hangers, Garment. Barney Stempler & Sons, Inc. 375,700; Feb. 27; Serial No. 421,210; published Dec 19, 1939.

LIST OF LABELS

California Avocados. For Avocados. La Habra Heights Avocado Assn. 54,311; Feb. 27.
Cane River. For Cane Syrup. J. D. Pllar Co. 54,316; Feb. 27.
Crib-Ino. For a Card Game. Russell Manufacturing Company. 54,319; Feb. 27.
Cross-Number. For a Card Game. Russell Manufacturing Company. 54,318; Feb. 27.
Design 211 B. For Butter. Gaylord Container Corporation. 54,308; Feb. 27.
Diamond Liniment. For a Liniment. California Reptile Farm. 54,300; Feb. 27.
Diamond Liniment. For Liniment. California Reptile Farm. 54,302; Feb. 27.
Diamond Salve. For a Salve. California Reptile Farm. 54,301; Feb. 27.
Embo. For a Cereal Food. General Mills, Inc. 54,309; Feb. 27.
Fine Footwear. For Footwear. A. C. Clayton Printing Company. 54,303; Feb. 27.
Golden Sun Tea. For Tea. Woolson Spice Company. 16,471; renewed June 17, 1940.
Hawaiian Poyo Chocolate Malt. For a Chocolate Malt Consisting of Fresh Dehydrated Poi, Sugar, Cocoa Malt, Salt and Artificial Flavor. Galen Company. 54,307; Feb. 27.
Ivy-Nox. For a Lotion. Joseph Walter Adams & Son Labs. 54,298; Feb. 27.
Lucky Go-Bo Hindu Style Incense. For Incense. M. G. Neumann. 54,315; Feb. 27.
Markwell 5000 Standard Staples. For Staples. Markwell Mfg. Co. 54,312; Feb. 27.
Molasses Peanut Pop. For a Combination or a Mixture of Molasses, Peanuts and Popcorn with Other Ingredients. E. F. Kemp, Inc. 54,310; Feb. 27.
New! . . . 5 Minute Cream of Wheat. For Wheat Breakfast Food. Cream of Wheat Corporation. 54,304–5; Feb. 27.
Royal. For Imitation Cherry Flavor Gelatin Dessert. Standard Brands Incorporated. 54,330–1; Feb. 27.
Royal. For Imitation Lemon Flavor Gelatin Dessert. Standard Brands Incorporated. 54,322–3; Feb. 27.
Royal. For Imitation Lime Flavor Gelatin Dessert. Standard Brands Incorporated. 54,324–5; Feb. 27.
Royal. For Imitation Orange Flavor Gelatin Dessert. Standard Brands Incorporated. 54,320–1; Feb. 27.
Royal. For Imitation Pineapple Flavor Gelatin Dessert. Standard Brands Incorporated. 54,332–3; Feb. 27.
Royal. For Imitation Raspberry Flavor Gelatin Dessert. Standard Brands Incorporated. 54,328–9; Feb. 27.
Royal. For Imitation Strawberry Flavor Gelatin Dessert. Standard Brands Incorporated. 54,326–7. Feb. 27.

Stanlane Original Measured Cubes. For Cubes for Cleaning Carpets, Drapery, Fabrics, Upholstered Furniture, Lamp Shades, Imitation Leather, etc. and for Washing Painted Surfaces, Woodwork, Venetian Blinds, Window Shades, Linoleum, Tile, Marble, Chromium, Glassware, etc. G. Stanton. 54,334; Feb. 27.
Sylox Medicinal Powder for the Skin. For a Medicinal Powder for the Skin. Sylox Corporation. 54,336; Feb. 27.
10-M-To Insure the Utmost Satisfaction and Service from Your Printed or Satin Elastic Swim Suit. For Bathing Suits. National Knitted Outerwear Association. 54,314; Feb. 27.
The Alton Shoe. For Cartons. Bird & Son, Inc. 54,299; Feb. 27.
The World's Most Comfortable Overall. For Overalls. Rice-Stix Dry Goods Company. 54,317; Feb. 27.
Up an Up Self Rising Cake Flour. For a Self-Rising Cake Flour. George Urban Milling Co. 54,337; Feb. 27.
Wild Life in the Kitchen. For Canned Whole Pheasant. S. Martin. 54,313; Feb. 27.
Ye John Alden & Priscilla Loaf. For Bread. M. D. Stiles. 54,335; Feb. 27.
Zero Plus. For a Game. Electric Game Co. 54,306; Feb. 27.

LIST OF PRINTS

A Bartender's Choice. For Puerto Rican Rum. P. R. Monge. 17,849; Feb. 27.
All My Children Just Love Pillsbury's Farina. For Farina. Pillsbury Flour Mills Company. 17,853; Feb. 27.
Each And Every One of Our Performers Eats Pillsbury's Farina For Breakfast. For Farina. Pillsbury Flour Mills Company. 17,851; Feb. 27.
Filling a Long Felt Need in the World of Music the New Capehart-Panamuse. For Phonograph-Radio Combinations. Farnsworth Television and Radio Corporation. 17,846; Feb. 27.
Ivoryne Peroxide Gum. For a Peroxide Gum For Whitening The Teeth. Gum Laboratories, Inc. 17,848; Feb. 27.
Meal Worm Incubator Meal Worms. For Meal Worm Incubators and Meal Worms. St. E. Abernathy. 17,843; Feb. 27.
Music For a Maharaja's Palace. For Phonograph-Radio Combinations. Farnsworth Television and Radio Corporation. 17,847; Feb. 27.
Oh Yes, and a Package of Pillsbury's Farina. For Farina. Pillsbury Flour Mills Company. 17,852; Feb. 27.
Stanlane Original Measured Cube. For a Cleaner For Fabrics And Painted Surfaces. G. Stanton. 17,856; Feb. 27.
The Greatest Name in Television is the Newest Name in Radio. For Radios and Radio-Phonograph Combinations. Farnsworth Television and Radio Corporation. 17,845; Feb. 27.
Turknit. For Wash Cloths. Putnam Knitting Co. 17,855; Feb. 27.
Turknit Bunny. For Wash Cloths. Putnam Knitting Co. 17,854; Feb. 27.
Unusual Goodwill Offer. For Pottery Baking Dishes, Dinnerware and Rolling Pins. Coulter-Jennings & Co. 17,844; Feb. 27.
What She Needs Is a Nourishing, Easily Digested Breakfast Every Day—Pillsbury's Farina. For Farina. Pillsbury Flour Mills Company. 17,850; Feb. 27.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic Signal Corporation. (See Wilcox, Harry A., assignor.)
Barrett, Arthur M., Winnetka, assignor to The Barrett Bindery Co., Chicago, Ill. Portable displayer. Re. 21,371; Feb. 27.
Barrett Bindery Co., The. (See Barrett, Arthur M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Gunn, Ross, Washington, D. C. Apparatus for the detection of displacements. Re. 21,372; Feb. 27.
Lazier, Wilbur A., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic formation of long-chain aldehydes. Re. 21,373; Feb. 27.
Moineau, René J. L., Paris, France, assignor to Société d'Exploitation des Brevets Moineau, Luxenburg, Grand Duchy of Luxenburg. Gear mechanism. Re. 21,374; Feb. 27.
Société d'Exploitation des Brevets Moineau. (See Moineau, René J. L., assignor.)
Tillinghast, George H., Burlington, N. J. Eel holder. Re. 21,375; Feb. 27.
Walma, Theodore K., Iowa City, Iowa. Spacing mechanism. Re. 21,376; Feb. 27.
Wilcox, Harry A., Norwalk, Conn., assignor to Automatic Signal Corporation, New York, N. Y. Traffic actuated control system and apparatus. Re. 21,377; Feb. 27.

LIST OF PLANT PATENTEES

Wright, Thomas H., Los Angeles, Calif. Gardenia plant. 364; Feb. 27.

LIST OF DESIGN PATENTEES

Armour and Company. (See Post, Joseph W., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Backus, Marcia, New York, N. Y. Dress ensemble. 119,220; Feb. 27.
Baird, William M., Chicago, Ill. Combined display and dispensing cabinet, for frozen food or the like. 119,151; Feb. 27.
Ball Brothers Company. (See Briner, Darrell E., assignor.)
Bass, David, New York, N. Y. Dress. 119,211; Feb. 27.
Bender, Sydney E., Brooklyn, N. Y. Sample fabric display card. 119,152; Feb. 27.
Berger, Arthur M., New York, N. Y. Uniform. 119,236; Feb. 27.
Berger, Arthur M., New York, N. Y. Uniform. 119,237; Feb. 27.
Bolton, Grant E., Cleveland, Ohio. Illuminated table vase. 119,201; Feb. 27.
Bowder, David H., Attleboro, Mass., assignor to Swank Products, Inc. Trouser clip. 119,153; Feb. 27.
Briner, Darrell E., Winchester, assignor to Ball Brothers Company, Muncie, Ind. Whiskey flask. 119,202; Feb. 27.
Brown, Simon P., New York, N. Y. Display rack for piece goods bolts. 119,154; Feb. 27.
Cady, John E., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 119,155; Feb. 27.
Cady, John E., D. A. Macdonald, and R. G. Null, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire. 119,156; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,157; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,158; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,159; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,160; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,161; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,162; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,163; Feb. 27.
Calderazzo, Dominick J., New York, N. Y. Slipper or similar article. 119,164; Feb. 27.
Campbell, Loudon L., Jr., Pittsburgh, Pa. Target or similar article. 119,176; Feb. 27.
Carlson, Clarence G., Oakland, Calif. High chair. 119,177; Feb. 27.
Charles, Camille, New York, N. Y. Dress. 119,221; Feb. 27.
Chatfield, Blanche L., Washington, D. C. Ripping device. 119,178; Feb. 27.
Cooper, Harry G. (See Downer, C. P., and Cooper.)
Dempster Mill Manufacturing Company. (See Loeber, Herman M., assignor.)
De Pasquale, Sabina, New York, N. Y. Dress. 119,238; Feb. 27.
Dieselair Corporation. (See Dressler, Adolph C., assignor.)
Dion, Edward, New Bedford, Mass. Drill point sharpener. 119,179; Feb. 27.
Dorsa Dresses, Inc. (See Recht, Bessie, assignor.)
Downer, Charles P., Winchester, and H. G. Cooper, Medford, Mass., assignors to The Prosperity Company, Inc., Syracuse, N. Y. Combined buck and collar holder for a shoulder and yoke ironing press. 119,212; Feb. 27.
Dressler, Adolph C., assignor to Dieselair Corporation, Miami, Okla. Head for internal combustion engine breather system. 119,194; Feb. 27.
Durning, James P. (See Wheeler, H. H., and Durning.)
Fairbanks, Morse & Co. (See Vogel, Edward A., assignor.)
Finkel, Samuel, New York, N. Y. Coat. 119,222; Feb. 27.
Fischer, Joseph, New York, N. Y. Combined mirror and thermometer. 119,239; Feb. 27.
Fitzgerald, Lucille B., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Overshoe. 119,195; Feb. 27.
Flower City Specialty Company. (See Nagle, R. A., assignor.)
Fracchia, Pauline, New York, N. Y. Dress. 119,240; Feb. 27.
Fracchia, Pauline, New York, N. Y. Dress. 119,241; Feb. 27.
Fracchia, Pauline, New York, N. Y. Dress. 119,242; Feb. 27.
Fracchia, Pauline, New York, N. Y. Dress. 119,243; Feb. 27.
Fracchia, Pauline, New York, N. Y. Dress. 119,244; Feb. 27.
Fracchia, Pauline, New York, N. Y. Dress. 119,245; Feb. 27.
Frommer, William C., Yonkers, N. Y. Perfume containing pendant or the like. 119,196; Feb. 27.
General Electric Company. (See Petzold, William B., assignor.)
Goldstein, Aaron A., Buffalo, N. Y. Bloodless circumcision clamp. 119,180; Feb. 27.
Green, Morris, Brooklyn, N. Y. Dress. 119,213; Feb. 27.
Greenstein, Joseph N., Chicago, Ill. Dress. 119,246; Feb. 27.
Greenstein, Joseph N., Chicago, Ill. Dress ensemble. 119,247; Feb. 27.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Note pad holder or similar article. 119,165; Feb. 27.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Bowl or similar article. 119,166; Feb. 27.

Haasl, Frank L., and C. F. Kiser, Chicago, Ill. Wheel balancing machine. 119,181; Feb. 27.
Haon, Marion, New York, N. Y. Dress. 119,248; Feb. 27.
Hochfelder, Jack, New York, N. Y. Coat. 119,249; Feb. 27.
Hoffman, Allan C., Millidale, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lawn sprinkler. 119,250; Feb. 27.
Hymen, Louis, Chicago, Ill. Dress. 119,251; Feb. 27.
International Cigar Machinery Company. (See Wheeler, H. H., and Durning, assignors.)
Jay, Ollie M., San Antonio, Tex. Doll. 119,167; Feb. 27.
Jay, Ollie M., San Antonio, Tex. Doll. 119,182; Feb. 27.
Jay, Ollie M., San Antonio, Tex. Doll. 119,183; Feb. 27.
Kaplan, Michael B., New York, N. Y. Elastic gathered fabric. 119,223; Feb. 27.
Kaplan, Michael B., New York, N. Y. Tucked fabric. 119,224; Feb. 27.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kiser, Charles F. (See Haasl, F. L., and Kiser.)
Koonz, Frederick W., Bernardston, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 119,168; Feb. 27.
Krueger, Arthur W., Chicago, assignor to S. Zidek, Riverside, Ill. Light reflecting unit. 119,203; Feb. 27.
Lee, Robert S., Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill. Tire. 119,169; Feb. 27.
Lee, Robert S., Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill. Tire. 119,170; Feb. 27.
Lee, Robert S., Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill. Tire. 119,171; Feb. 27.
Lee, Robert S., Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill. Tire. 119,184; Feb. 27.
Lee, Robert S., Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill. Tire. 119,185; Feb. 27.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Yoke for earth working implements. 119,190; Feb. 27.
Loeber, Herman M., Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company. Pump. 119,214; Feb. 27.
Lull, Dorathy, New York, N. Y. Uniform. 119,225; Feb. 27.
Macdonald, D. A. (See Cady, J. E., Macdonald, and Null.)
MacFadden, Glenn E., and D. L. Ripley, Buffalo, N. Y. Portable electric heater. 119,197; Feb. 27.
Martin, Wendell L., Shaker Heights, Ohio. Electric shaver. 119,186; Feb. 27.
Massow, Morris, New York, N. Y. Dress. 119,172; Feb. 27.
Minkoff, Edward, New York, N. Y. Coat. 119,226; Feb. 27.
Musson, Stephen B., West Englewood, N. J. Textile fabric. 119,227; Feb. 27.
Nager, Albert, New York, N. Y. Dress. 119,228; Feb. 27.
Nagle, Reginald A., assignor to Flower City Specialty Company, Rochester, N. Y. Display box. 119,173; Feb. 27.
Nashe, Leif, Concord, and O. Overgaard, West Concord, Mass. Clamp for a ski binding. 119,174; Feb. 27
National Co-Operatives, Inc. (See Lee, Robert S., assignor.)
Null, Ralph G. (See Cady, J. E., Macdonald, and Null.)
Overgaard, Odd. (See Nashe, L., and Overgaard.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Stenotype machine. 119,204; Feb. 27.
Phelan, Francis X., Medford, Mass. Badge. 119,187; Feb. 27.
Post, Joseph W., Riverside, assignor to Armour and Company, Chicago, Ill. Carton for plastic foods. 119,205; Feb. 27.
Prosperity Company, The. (See Downer, C. P., and Cooper, assignors.)
Recht, Bessie, assignor to Dorsa Dresses, Inc., St. Louis, Mo. Dress. 119,215; Feb. 27.
Reinstein, Harry, Bronx, N. Y. Bracelet. 119,188; Feb. 27.
Ringel, Bernard, New York, N. Y. Dress. 119,220; Feb. 27.
Ripley, Duane L. (See MacFadden, G. E., and Ripley.)
Rogers, Lunt & Bowlen Company. (See Koonz, Frederick W., assignor.)
Rose, Felicia L., New York, N. Y. Dress. 119,216; Feb. 27.
Rosser, Bertram, Buffalo, N. Y. Game piece or the like. 119,189; Feb. 27.
Sandejas, José P., Manila, P. I. Ashtray. 119,206; Feb. 27.
Schatzberg, Moe, New York, N. Y. Coat. 119,230; Feb. 27.
Schenker, Adolph, New York, N. Y. Handbag or the like. 119,198; Feb. 27.
Schiewe, Edward A., Park Ridge, Ill. Bacon slicing machine cover. 119,217; Feb. 27.
Schiewe, Edward A., Park Ridge, Ill. Combined bacon slicing and wrapping table. 119,218; Feb. 27.
Schlatter, Albert F., New York, N. Y. Textile fabric. 119,231; Feb. 27.
Schulich, Edward, New York, N. Y. Coat. 119,232; Feb. 27.
Scovill Manufacturing Company. (See Hoffman, Allan C., assignor.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Combined air volume control and pressure gauge. 119,175; Feb. 27.
Smith, Brian, Dallas, Tex. Lapel pin. 119,199; Feb. 27.
Solomon, Nathan L., Mount Vernon, N. Y. Curl comb. 119,219; Feb. 27.
Sterne, George S., Chicago, Ill. Pipe rack attachment for tobacco can. 119,207; Feb. 27.
Swank Products, Inc. (See Bowder, D. H., assignor.)
United States Rubber Company. (See Cady, John E., assignor.)
United States Rubber Company. (See Cady, J. E., Macdonald, and Null, assignors.)
United States Rubber Company. (See Fitzgerald, Lucille B., assignor.)
Van Houten, Stephen T., Allendale, N. J. Fire detecting device. 119,200; Feb. 27.
Vipond, George W., Grand Rapids, Minn. Figure of a bird. 119,191; Feb. 27.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric generator of flange mounting type. 119,208; Feb. 27.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric generator of base mounting type. 119,209; Feb. 27.
Weber, Max, Brooklyn, N. Y. Knitted fabric. 119,252; Feb. 27.
Welling, William M., New York, N. Y. Combined bracelet and watch. 119,192; Feb. 27.
Wheeler, Henry H., Brooklyn, and J. P. Durning, St. Albans, N. Y., assignors to International Cigar Machinery Company. Cigar machine or similar article. 119,210; Feb. 27.
Zidek, Stephen. (See Krueger, Arthur W., assignor.)
Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 119,193; Feb. 27.
Zuckerman, Harry, New York, N. Y. Suit. 119,233; Feb. 27.
Zuckerman, Harry, New York, N. Y. Coat. 119,234; Feb. 27.
Zuckerman, Harry, New York, N. Y. Coat. 119,235; Feb. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. A. Specialties Company. (See Fridolph, Annette, assignor.)
Adams, Amos D., Jr., Los Angeles, Calif. Internal combustion motor. 2,191,638; Feb. 27.
Aktiebolaget Nomy. (See Wallgren, August G. F., assignor.)
Albin, Thomas B., Mercer Island, Wash. Treatment of manganese ore. 2,191,819; Feb. 27.
Alder, Jenness A. (See Alder, William F., assignor.)
Alder, William F., assignor to J. A. Alder, Altadena, Calif. Cooling and mixing vessel for beverages. 2,191,434; Feb. 27.
Aldous, William H., Wembley, Enland, assignors to The Mo Valve Company, Limited. Electron discharge device. 2,191,903; Feb. 27.
All America Cables, Incoporated. (See Connery, Alder F., assignor.)
Allen, Edward R., Summit, N. J., J. B. Bullitt, Jr., Swarthmore, and H. H. Hopkins, Springfield, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions. 2,191,947; Feb. 27.
Alles, Richard, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of water-soluble condensation products. 2,191,737; Feb. 27.
Alliance Investment Corporation. (See Pulver, Frank F., assignor.)
Al-lon Manufacturing Company. (See London, Alvin D., assignor.)
Alt, Wolfgang. (See Krzikalla, H., and Alt.)
Altgelt, Hans. (See Schneider, F., Altgelt, and Neugenbauer.)
American Auto-Felt Corporation. (See Hoagland, William W., assignor.)
American Bemberg Corporation. (See Schuermann, M. O., and Gertsner, assignors.)
American Can Company. (See Snyder, George D., assignor.)
American Car and Foundry Company. (See Clade, Robert, assignor.)
American Cutting Alloys, Inc., The. (See Kieffer, Richard, assignor.)
American Cyanamid Company. (See Bean, James J., assignor.)
American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
American Machine & Foundry Company. (See Bell, Arthur, assignor.)
American Maize-Products Company. (See Walsh, J. F., and Rawlins, assignors.)
American Radiator & Standard Sanitary Corporation. (See Cornell, Edward S., Jr., assignor.)
American Steel and Wire Company of New Jersey, The. (See Peskin, Leonard C., assignor.)
American Steel Foundries. (See Simanek, Edward J., assignor.)
American Swiss Company, The. (See Rightmyer, Holden W., assignor.)
American Voith Contact Co. (See Thaler, Wilhelm, assignor.)
Anderson, Arthur R., North Arlington, N. J. Shoe tree. 2,191,785; Feb. 27.
Anderson, Charles B., et al. (See Reynolds, Robert E., assignor.)
Anderson, Dwight M., Cleveland Heights, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio. Eliminating the weld line during thermoplastic molding. 2,191,703; Feb. 27.
Anderson, Ernest E., et al. (See Upton, Richard C., assignor.)
Anderson, Harry. (See Breitbarth, A. H., and Anderson.)
Andrews, Lionel T. (See Nitardy, F. W., and Andrews.)
Armington, Arthur P., deceased, Willoughby, Ohio; K. S. Armington, executrix. Vehicle body. 2,191,445; Feb. 27.
Armington, Katherine S., executrix. (See Armington, Arthur P.)
Arms, Merton H., J. B. Johnson, and A. Turner, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Work feeding mechanism. 2,191,930; Feb. 27.
Aronow, Albert M., Los Angeles, assignor of one-fifth to C. A. Miketta, Beverly Hills, Calif. Continuous process for making adipic acid. 2,191,786; Feb. 27.
Artis, Edward J., Caldwell, Idaho. Vacuum cap for chimneys. 2,191,948; Feb. 27.
Ash, Charles S., Milford, Mich. Dual wheel vehicle brake. 2,192,023; Feb. 27.
Astley, William F., Cicero, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Machine for making insulation. 2,191,875; Feb. 27.
Attenhofer, Adolf, Zurich, Switzerland. Ski binding. 2,192,066; Feb. 27.
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Aviation Manufacturing Corporation. (See Gebret, Edward F., assignor.)
Bachle, Carl F., Grosse Pointe, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Engine. 2,191,639; Feb. 27.
Back, William E., Oulton Broad, Suffolk, England. Airplane and control apparatus therefor. 2,191,842; Feb. 27.
Baff, Abraham, North Arlington, N. J. Automatic ash-tray feeder container. 2,191,511; Feb. 27.
Baier, Willard E., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Treating fruits and vegetables. 2,191,553; Feb. 27.
Bailey, William A., Jr. (See Fleischer, J., and Bailey.)
Bakelite Building Products Co. (See Harshberger, N. P., and Ochs, assignors.)
Baker, William P., Brooklyn, N. Y. Ship's hull. 2,191,904; Feb. 27.
Baldwin Company, The. (See Day, W. M., and Huettemann, assignors.)
Balke, Clarence W., Highland Park, F. L. Hunter, Jr., Lake Bluff, and R. A. Haskell, Waukegan, assignors to Fansteel Metallurgical Corporation, North Chicago, Ill. Hard alloy. 2,191,446; Feb. 27.
Ballard, John H., and W. H. Spencer, assignors to Sealed Power Corporation, Muskegon, Mich. Bearing member. 2,191,435; Feb. 27.
Ballard, Julius. (See Nightenhelser, B., and Ballard.)
Balle, Gerhard, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. High-molecular polycarboxylic acid amides and their production. 2,191,738; Feb. 27.
Balle, Gerhard, Frankfort-on-the-Main, and K. Horst, Hofheim in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Quarternary nitrogen compounds and preparing them. 2,191,978; Feb. 27.
Barkelj, Jean A. H., Altadena, Calif. Internal combustion engine. 2,191,745; Feb. 27.
Barkelj, Jean A. H., Altadena, Calif. Combustion chamber in cylinder heads of internal combustion engines. 2,191,746; Feb. 27.
Barnes, R. M., et al. (See Lucas, Earnie W., assignor.)
Barnes, Troy T., et al. (See Lucas, Earnie W., assignor.)
Bartlett, Luis H. (See Davis, A. L., and Bartlett.)
Barty, Albert S., Hollywood, Calif. Accordion attachment. 2,191,747; Feb. 27.
Bassett, Rex E., Jr. (See Chamberlin, J. W., and Bassett.)
Bath, Cyril J., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shears and the like. 2,191,826; Feb. 27.
Battenberg, Melvin H., Van H., Chicago, Ill. Balance. 2,191,635; Feb. 27.
Baule, Gerhard H. J. (See Cooper, J., and Baule.)
Baxter, John P., Widnes, Lancaster, and L. T. Dod, Crosby, Liverpool, England, assignors to Imperial Chemical Industries, Limited. Chlorinated rubber product. 2,191,748; Feb. 27.
Baxter Laboratories, Inc. (See Nesset, Naurice M., assignor.)
Bayer, Otto. (See Doser, A., Bayer, and Hintzmann.)
Bean, James J., Salt Lake City, Utah, assignor to American Cyanamid Company, New York, N. Y. Agitating, aerating, and/or mixing machine. 2,191,739; Feb. 27.
Beardsley, Emery S., Glendale, Calif. Container closure. 2,191,447; Feb. 27.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Television system and operation thereof. 2,192,121; Feb. 27.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Protective system. 2,192,028; Feb. 27.
Belfit, Robert W., Watertown, Conn., assignor, by mesne assignments, to Plaskon Company Incorporated, Toledo, Ohio. Urea-formaldehyde molding composition and forming. 2,191,949; Feb. 27.
Bell, Arthur, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Web severing mechanism. 2,191,512; Feb. 27.

Bell, Edwin J., assignor to The Bell Machine Company, Oshkosh, Wis. Unloading, counting, and stacking mechanism. 2,191,436; Feb. 27.
Bell Machine Company, The. (See Bell, Edwin J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Busch, Aloysius J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lewis, Benjamin F., assignor.)
Bell Telephone Laboratories, Incorporated. (See McCann, Thomas A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Phipps, G. S., and Schumacher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Robertson, Donald D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smethurst, Joseph O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wier, Anthony J., assignor.)
Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)
Bendix Aviation Corporation. (See Sanford, Roy S., assignor.)
Bendix Home Appliances, Inc. (See Chamberlin, J. W., and Bassett, assignors.)
Bendix Home Appliances, Inc. (See Dodge, Adiel Y., assignor.)
Bendix Home Appliances, Inc. (See Scott, R. W., and McCollum, assignors.)
Bendix Products Corporation. (See Goepfrich, Rudolph A., assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Benner, Raymond C., and R. L. Melton, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Apparatus for applying liquid to fabric. 2,191,827; Feb. 27.
Bennett, Arthur, San Francisco, Calif. Transfer adhesive process and product. 2,191,704; Feb. 27.
Bennett, Benjamin J., Leicester, England. Carbon feeding device for typewriters. 2,191,554; Feb. 27.
Bennett, Eugene G., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Determination of hydrogen-ion concentration. 2,192,123; Feb. 27.
Beretta, Filippo, assignor to "Montecatini" Società Generale per l'Industria Mineraria e Chimica, Milan, Italy. Preparation of 2-nitronaphthalene-4,8-disulphonic acid. 2,191,820; Feb. 27.
Beretvas, Adalbert, Brooklyn, N. Y. Automatic loom for the making of knotted rugs. 2,192,029; Feb. 27.
Berliner, Julius F. T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making porous structures. 2,191,535; Feb. 27.
Bernardon, Marcellin E. R., assignor to Societe Anonyme des Pneumatiques Dunlop, Paris, France. Tractor wheel. 2,191,950; Feb. 27.
Beronius, Harry V. (See Jardine, A. D., and Beronius.)
Betry, Owen C., Glendale, Calif. Dual carburetor adapter. 2,192,067; Feb. 27.
Beveridge, Robert A., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radiant heat sensitive device. 2,191,640; Feb. 27.
Biddle, William C. (See Corbin, Elbert A., Jr., assignor.)
Biddulph, Hugh W. (See Givens, J. H., Biddulph, and Rose.)
Bierbach, Charles B., assignor to Merwin Manufacturing Company, Erie, Pa. Sleeper anchor. 2,191,979; Feb. 27.
Bigelow, William P., Stockton, Calif. Bottle washer. 2,191,513; Feb. 27.
Binks Manufacturing Company. (See Erikson, H., and Harker, assignors.)
Bird, Hobart M., Portland, Oreg. Dredge bucket operation. 2,191,448; Feb. 27.
Bjorksten, Johan, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating band. 2,191,514; Feb. 27.
Blanchard, Alva G. (See Mulloy, O. L., and Martin, assignors.)
Blanchard, Alva G. (See Peters, T. R., and Mulloy, assignors.)
Blau, Henry H., Charlerol, Pa., assignor to Corning Glass Works, Corning, N. Y. Forming sealed hollow articles of glass. 2,191,951; Feb. 27.
Blau, Henry H., Charlerol, Pa., assignor to Corning Glass Works, Corning, N. Y. Making hollow glass building blocks. 2,191,952; Feb. 27.
Blau, Henry H., Charlerol, Pa., assignor to Corning Glass Works, Corning, N. Y. Apparatus for making hollow glass blocks. 2,191,953; Feb. 27.
Bloc, Frédéric R., assignor to Societe des Anciens, Etablissements Lhuillier, Dijon, France. Grain-sorting machine. 2,191,843; Feb. 27.
Blount, Arthur L., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Purification of organic acids. 2,191,440; Feb. 27.
Blue Ridge Glass Corporation. (See Jones, James R., assignor.)
Blumberg, Harry S. (See Hopkins, R. K., and Blumberg.)
Blumberg, Harry S., assignor to The M. W. Kellogg Co., New York, N. Y. Welding composition. 2,191,473; Feb. 27.
Bode, Edgar C., Courtland, Minn. Automobile door lock. 2,191,437; Feb. 27.
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Boisvert, Norbert. (See Lemire, Joseph, assignor.)
Bolster, Ronald H., assignor to Clark Equipment Company, Buchanan, Mich. Brake. 2,192,001; Feb. 27.
Bond, Scott R., New York, N. Y., and H. K. Lorentzen, Montclair, N. J.; said Bond assignor to said Lorentzen. Venetian blind cord-controlling organization. 2,192,002; Feb. 27.
Borg-Warner Corporation. (See Hunt, George H., assignor.)
Borg-Warner Corporation. (See Osborne, William B., assignor.)
Bower Roller Bearing Company. (See Schreiber, Albert J., assignor.)
Bowman, Manifold, Michael, Woking, E. C. Cork, Ealing, London, and C. O. Browne, West Acton, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Synchronizing means for television and like systems. 2,192,122; Feb. 27.
Brandenburg, Hermann, Berlin-Tempelhof, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical composing machine. 2,191,844; Feb. 27.
Breeler, Walter R., Fredonia, N. Y. Furnace. 2,191,438; Feb. 27.
Breitbarth, August H., and H. Anderson, Valparaiso, Ind. Collet chuck. 2,192,024; Feb. 27.
Brennan, Leo J. (See O'Toole, Floyd F., assignor.)
Bretting, Aage E., assignor to Christiani & Nielsen, Copenhagen, Denmark. Depositing of sand under water. 2,191,845; Feb. 27.
Bridgeport Coach Lace Company. (See Spraragen, Louis, assignor.)
Brill, John L., Newark, Del., and R. W. Plummer, Buenos Aires, Argentina, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and apparatus. 2,192,124; Feb. 27.
British Acoustic Films Limited. (See Kolb, Otto K., assignor.)
Brookfield, Edwin W., Toronto, Ontario, Canada. Bowling equipment. 2,191,439; Feb. 27.
Brotherton, Clifford A., Columbus, assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing lubrication. 2,191,876; Feb. 27.
Brown, Cecil L., and W. H. Jones, Baton Rouge, La., assignors to Standard-I. G. Company. Preparing improved hydrogenation catalysts in lump form. 2,192,125; Feb. 27.
Brown, Elmer C., Donnelly, Idaho. Trailer hitch. 2,191,749; Feb. 27.
Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,191,813; Feb. 27.
Brown, Herman M., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Automatic strip grinder. 2,191,814; Feb. 27.
Brown Instrument Company, The. (See Side, Frederick W., assignor.)
Brown Instrument Company, The. (See Wills, Walter P., assignor.)
Brown, Lawrence L., Lynwood, assignor of one-fourth to R. H. Wells and one-fourth to F. A. Graser, Long Beach, and one-fourth to J. B. Nelson, Los Angeles, Calif. Well cementing apparatus. 2,191,750; Feb. 27.
Browne, Cecil O. (See Bowman-Manifold, M., Cork, and Browne.)
Bruehlman, Henry G., Toledo, Ohio. Suspended construction. 2,191,828; Feb. 27.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Quaternary methallyl ammonium halides. 2,191,922; Feb. 27.
Bryant Chucking Grinder Company. (See Arms, M. H., Johnson, and Turner, assignors.)
Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,192,003; Feb. 27.
Buffa, Ferdinand J., Brooklyn, N. Y. Brake. 2,191,954; Feb. 27.
Buffalo-Springfield Roller Co., The. (See Greiner, Carl F., assignor.)
Bugg, Kenly C., Farmington, Mo., assignor to Neptune Meter Company. Counting mechanism. 2,191,877; Feb. 27.
Bullitt, James B., Jr. (See Allen, E. R., Bullitt, and Hopkins.)
Burch, Leo, Zurich, Switzerland. Device for maintaining the bend of the tips of ski. 2,191,641; Feb. 27.
Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Brake. 2,192,004; Feb. 27.
Burmeister, Hermann, Berlin-Spandau, Germany, assignor to General Electric Company. Manufacture of a lignin-containing press mass. 2,192,030; Feb. 27.
Burns, James A., executor. (See Nieuwland, J. A., and Sowa.)
Burton, Robert B. (See Rossman, E. F., Fuchs, and Burton.)
Busch, Aloysius J., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,192,025; Feb. 27.
Bush, Arthur G., Davenport, Iowa. Water clarifier for automobiles. 2,191,440; Feb. 27.
Bush, Theodore R., et al. (See Sheppard, William L., assignor.)
Butler, Edgar M., Brooklyn, assignor of fifty one-hundredths to A. Jordahl, New York, N. Y. Apparatus for automatically tuning radio receivers. 2,191,606; Feb. 27.

Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Automatic sheet feeding and delivery device for cylinder printing presses. 2,192,068; Feb. 27.
Caldwell, Albert E., assignor of one-half to G. D. Ladd, Lockport, Ill. Electrical connector. 2,192,165; Feb. 27.
Caldwell, John R., assignor to Southern States Equipment Corporation, Birmingham, Ala. Electric switch. 2,191,878; Feb. 27.
Caldwell, Stuart H., assignor to Kelch Heater Company, Detroit, Mich. Tactual signal. 2,191,516; Feb. 27.
California Fruit Growers Exchange. (See Baier, Willard E., assignor.)
Calorider Corporation, The. (See Downs, Charles R., assignor.)
Campbell, Albert B., assignor to A. J. Sumkowski, Chicago, Ill. Lather producing machine. 2,191,450; Feb. 27.
Campbell, Donald J., Spring Lake Township, Ottawa County, Mich. Molding machine. 2,191,451; Feb. 27.
Campbell, George J., Jr., assignor to International Chain & Manufacturing Company, York, Pa. Forming chain links. 2,191,441; Feb. 27.
Canfield Rubber Company. (See Warren, Harold C., assignor.)
Caplan, Sidney, Toronto, Ontario, Canada. Shoe heel and shank. 2,192,026; Feb. 27.
Carborundum Company, The. (See Benner, R. C., and Melton, assignors.)
Carlson, Harold A. (See Cloedy, F. W., and Carlson.)
Carlson, Joseph E. (See Stromberg, D. E., and Carlson.)
Carothers, Wallace H., deceased, by the Wilmington Trust Company, executor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides. 2,191,556; Feb. 27.
Carson, John H., Marion, Ind. Box. 2,191,517; Feb. 27.
Carter Carburetor Corporation. (See Cloedy, F. W., and Carlson, assignors.)
Carvalho, Manuel, Somerville, Mass. Scrubbing device. 2,191,642; Feb. 27.
Carwardine, George, Bath, England. Friction clutch. 2,191,846; Feb. 27.
Cataldo, Fred R., Chelsea, Mass. Automotive vehicle guard. 2,191,751; Feb. 27.
Cavey, Claude A., H. M. Copin, A. V. Hill, and H. C. Hunt, Los Angeles, Calif. Shoe attachment. 2,191,442; Feb. 27.
Cecka, Thomas G., assignor to International Milling Company, Buffalo, N. Y. Sifter. 2,191,923; Feb. 27.
Celanese Corporation of America. (See Mann, R. J., and Mellor, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Cellulose Research Corporation, The. (See Fleischer, J., and Bailey, assignors.)
Celotex Corporation, The. (See Eckert, Clarence R., assignor.)
Chable, Jeanne A. V. A. (See Galliot, N. J. A., and Chable.)
Chamberlain, Alfred J., Lafayette, La. Container. 2,191,705; Feb. 27.
Chamberlin, John W., and R. E. Bassett, Jr., South Bend, Ind., assignors to Bendix Home Appliances, Inc., Detroit, Mich. Washing machine rotor. 2,191,607; Feb. 27.
Champion Paper and Fibre Company, The. (See Bennett, Eugene G., assignor.)
Chappell, Ralph R., Richmond, Va., and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Wind intensity and direction transmitter and indicator. 2,191,955; Feb. 27.
Chemical Industry in Basle. (See Graenacher, C., and Sallmann, assignors.)
Chemical Works formerly Sandoz. (See Kartaschoff, V., and Steinemann, assignors.)
Chicago Pneumatic Tool Company. (See Coates, Charles B., assignor.)
Chicago Television & Research Laboratories, Inc. (See McCreary, Harold J., assignor.)
Christiani & Nielsen. (See Bretting, Aage E., assignor.)
Church, Ira E. (See Purcell, T. E., and Church.)
Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Lubricated tank valve. 2,191,815; Feb. 27.
Clark Equipment Company. (See Bolster, Ronald H., assignor.)
Clark Equipment Company. (See Burger, Frederick W., assignor.)
Clark, James H. (See Tuft, M. H., and Clark.)
Clarke, Dumont, Manchester, Vt. Multipurpose seat or table. 2,191,752; Feb. 27.
Clemens, John E., Elizabeth, and G. L. Matheson, Union, N. J., assignors to Standard Oil Development Company. Voltolization apparatus and method. 2,191,787; Feb. 27.
Clerc, Leonard F., Chicago, Ill. Refrigeration. 2,191,518; Feb. 27.
Cleveland Crane & Engineering Company, The. (See Bath, Cyril J., assignor.)
Cleveland Graphite Bronze Company, The. (See Swarts, C. E., and Dockstetter, assignors.)
Cline, Melvin H., assignor to Eiseman-Kaye Company, Chicago, Ill. Container. 2,191,557; Feb. 27.
Cloedy, Frederick W., St. Louis, and H. A. Carlson, University City, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,191,905; Feb. 27.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Electric hammer attachment. 2,191,608; Feb. 27.
Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quaternary ammonium compounds and making them. 2,191,753; Feb. 27.
Coghill, Robert De W., Hamden, Conn., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Thiazane derivatives. 2,191,452; Feb. 27.
Coldren, Darius D., Schuylkill Haven, Pa. Slip-on cover for seats of passenger vehicles. 2,191,956; Feb. 27.
Collins, Ashby C. and W. W., Birmingham, Ala. Molding machine. 2,191,847; Feb. 27.
Collins, Leonard S., Detroit, Mich. Lock. 2,191,931; Feb. 27.
Collins Radio Company. (See Craft, Liva M., assignor.)
Collins, Timothy, assignor of one-half to B. F. Tomlin, San Francisco, Calif. Structural steel member. 2,191,788; Feb. 27.
Collins, William W. (See Collins, Ashby C. and W. W.)
Colt, Rutger B. (See Chappell, R. R., and Colt.)
Colvin, Donald. (See Stadtfield, Jacob A., assignor.)
Commercial Ingredients Corporation. (See Dunajeff, Leonid A., assignor.)
Conley, Kurt H., Bridgeport, Conn., assignor, by mesne assignments, to Entoleter Company, Inc. Electrical control apparatus. 2,191,816; Feb. 27.
Connery, Alder F., Brooklyn, assignor to All America Cables, Incorporated, New York, N. Y. Cable transmission. 2,192,005; Feb. 27.
Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,192,031; Feb. 27.
Cook, William H., Ottawa, Ontario, Canada. Container. 2,192,006; Feb. 27.
Cooke, Martha F., Chicago, Ill. Typewriter key locking attachment. 2,191,706; Feb. 27.
Cooley, Ralph M., St. Paul, Minn. Highway vision device. 2,191,558; Feb. 27.
Cooper, James L., et al. (See Lirette, Robert R., assignor.)
Cooper, James, Solvay, and G. H. J. Baule, assignors to Hall & McChesney, Inc., Syracuse, N. Y. Loose-leaf binder. 2,191,707; Feb. 27.
Copenhaver, John W. (See Russell, A., and Copenhaver.)
Copin, Helen M. (See Cavey, C. A., Copin, Hill, and Hunt.)
Corbin, Elbert A., Jr., assignor of one-half to W. C. Biddle, Lansdowne, Pa. Washbasin. 2,191,453; Feb. 27.
Cork, Edward C. (See Bowman-Manifold, M., Cork, and Browne.)
Cornell, Edward S., Jr., Larchmont, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heat exchange unit. 2,191,519; Feb. 27.
Corning Glass Works. (See Blau, Henry H., assignor.)
Courtaulds Limited. (See Givens, J. H., Biddulph, and Rose, assignors.)
Cox, Joseph F., assignor of one-half to J. E. French, Tulsa, Okla. Calibrating device for valves. 2,192,069; Feb. 27.
Craft, Liva M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Distortion and carrier shift correction system. 2,191,454; Feb. 27.
Cram, Geo. F., The. (See Peterson, Edward A., assignor.)
Cramer, Jesse F. (See Cramer, Roy A. and J. F.)
Cramer, Roy A. and J. F., Kansas City, Mo. Seat cover. 2,191,848; Feb. 27.
Cramer, Roy A. and J. F., Kansas City, Mo. Seat cover. 2,192,070; Feb. 27.
Crawford, John W. C., Frodsham, England, and J. McGrath, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Polymerizing lower alkyl esters of acrylic acid. 2,191,520; Feb. 27.
Crimmins, William C., assignor to Delta Electric Company, Marion, Ind. Bicycle lamp structure. 2,191,932; Feb. 27.
Crockett, Harry L., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Safety mechanism for firearms. 2,191,521; Feb. 27.
Crosbie, Francis L. (See Ross, J. W., and Crosbie.)
Crosley Corporation, The. (See Money, Roland H., assignor.)
Crowder, Helen I., Bakersfield, Calif. Road building apparatus. 2,192,027; Feb. 27.
Cube Steak Machine Company. (See Spang, Joseph P., assignor.)
Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making aminosulphonic acid. 2,191,754; Feb. 27.
Dahl, Otto, Berlin-Friedenau, and F. Pawlek, Berlin-Niederschoneweide, Germany, assignors to General Electric Company. Magnetic properties of ferrous alloys. 2,192,032; Feb. 27.
Dalton, William, Schenectady, N. Y., assignor to General Electric Company. Rotary crane. 2,192,033; Feb. 27.
Daniels, Claude H., Wellesley Hills, Mass. Making shoes. 2,191,906; Feb. 27.
Davis, Arthur L., near Knoxville, and L. H. Bartlett, Knoxville, Tenn. Extracting oil. 2,191,455; Feb. 27.
Davis Manufacturing Company. (See Shelor, Frederick L., assignor.)

Davis, Robert E., Jr., Fort Payne, Ala., assignor to Interwoven Stocking Company, New Brunswick, N. J. Knitted fabric. 2,191,456; Feb. 27.

Day, Wilbur M., Norwood, and F. Huettemann, assignors to The Baldwin Company, Cincinnati, Ohio. Horizontal piano. 2,191,443; Feb. 27.

Dearing, Stephen L., Palmyra, Mo. Easel. 2,191,755; Feb. 27.

Debrie, André L. V. C., Paris, France. Box shaped spool for films. 2,191,849; Feb. 27.

Debrie, André L. V. C., Paris, France. Film developing machine. 2,191,850; Feb. 27.

Deckard, Charles L., Tulsa, Okla. Tubing handling board for derricks. 2,191,643; Feb. 27.

Decker, Isaac C., Montgomery, assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Adjustable chair. 2,191,644; Feb. 27.

Dedrick, Francis J., Red Lion, Pa. Die. 2,191,709; Feb. 27.

Deere & Company. (See Strandlund, Carl G., assignor.)

Deere & Company. (See Tuft, M. H., and Clark, assignors.)

De Filippis, Raymond, Brooklyn, N. Y. Hydraulic mechanical speed transmission. 2,191,907; Feb. 27.

De Jahn, Fredrik W., New York, assignor to A. N. Mann, Scarsdale, N. Y. Catalyst for use in preparing chlorine. 2,191,980; Feb. 27.

De Jahn, Fredrik W., New York, assignor to A. N. Mann, Scarsdale, N. Y. Catalyst and preparing the same. 2,191,981; Feb. 27.

Delamere Company. (See Huppert, William, assignor.)

Delta Electric Company. (See Crimmins, William C., assignor.)

De Mask, Martin J., Pittsfield, Mass. Bus duct. 2,191,645; Feb. 27.

De Sternberg, Jaime, Montigny-les-Cormeilles, France. Machine for the molding or casting under pressure of metals. 2,191,789; Feb. 27.

Detroit Harvester Company. (See Kost, Harold W., assignor.)

Detroit Lubricator Company. (See Wile, Daniel D., assignor.)

De Verry, George, Springfield, Mass. Display device. 2,191,457; Feb. 27.

Devoe & Reynolds Co. (See Rheineck, A. E., and Rabin, assignors.)

Dickson, John B., Northampton, and J. Herman, Chicopee, Mass., assignors, by mesne assignments, to A. G. Spalding & Bros. Inc. Soilproofing tennis balls. 2,192,071; Feb. 27.

Diefenbach, Ernst. (See Kränzlein, G., Diefenbach, and Eggert.)

Dietzen, Eugene, Co. (See Langsner, Adolph, assignor.)

Ditto, Incorporated. (See Bjorksten, Johan, assignor.)

Dockstetter, Elmore J. (See Swartz, C. E., and Dockstetter.)

Dod, Leonard T. (See Baxter, J. P., and Dod.)

Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Home Appliances, Inc., Detroit, Mich. Transmission. 2,191,609; Feb. 27.

Domestic Manufacturing Company. (See Jenkins, Wayne E., assignor.)

Dorr Company, The. (See Scott, Charles H., assignor.)

Doser, Arnold, Cologne, and O. Bayer and K. Hintzmann, Leverkusen I. G.-Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Water repellent textile material. 2,191,982; Feb. 27.

Double, Plummer E., Detroit, and F. Wascher, Flint, Mich. Clutch mechanism. 2,191,983; Feb. 27.

Dow Chemical Company, The. (See Perkins, Ralph P., assignor.)

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake rigging. 2,191,821; Feb. 27.

Downs, Charles R., Old Greenwich, assignor to The Calorider Corporation, Greenwich, Conn. Conditioning air. 2,192,126; Feb. 27.

Doyle, Thomas J., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Applying binding to insoles. 2,191,646; Feb. 27.

Driggs, Ivan H., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Variable pitch propeller. 2,192,034; Feb. 27.

Drummond, Robert S., assignor to National Broach & Machine Company, Detroit, Mich. Milling flat surfaces. 2,191,550; Feb. 27.

Dubreuil, Joseph, Taschereau, Quebec, Canada. Roofing. 2,191,933; Feb. 27.

Duden, Emil G., assignor to Wm. B. Scaife and Sons Company, Oakmont, Pa. Valve. 2,191,458; Feb. 27.

Dunajeff, Leonid A., assignor to Commercial Ingredients Corporation, New York, N. Y. Automatic towing boat. 2,191,879; Feb. 27.

Duncan, Herbert L., Highland Park, assignor of one-half to L. P. Threlkeld, Detroit, Mich. Control mechanism for internal combustion engines. 2,191,459; Feb. 27.

Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Bearing mounting. 2,191,984; Feb. 27.

Dunford, John A., Seattle, Wash. Bridge operating mechanism. 2,191,708; Feb. 27.

Dunham, Aubra R. (See Dunham, Clayton A. and A. R.)

Dunham, Clayton A. and A. R., Glencoe, assignors to Experimental Laboratories, Incorporated, Chicago, Ill. Utilizing combustion gases. 2,191,985; Feb. 27.

Du Pont, E. I., de Nemours & Company. (See Allen, E. R., Bullitt, and Hopkins, assignors.)

Du Pont, E. I., de Nemours & Company. (See Berliner, Julius F. T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Brill, J. L., and Plummer, assignors.)

Du Pont, E. I., de Nemours & Company. (See Carothers, Walter H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Coffman, Donald D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Cupery, Martin E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Edgar, D. E., and Robinson, assignors.)

Du Pont, E. I., de Nemours & Company. (See Haon, Harry J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hardy, V. R., and Miles, assignors.)

Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hucks, Robert T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Kvalnes, Hamline M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Meigs, Frederick M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Murphy, A. R., and Rossander, assignors.)

Du Pont, E. I., de Nemours & Company. (See Nieuwland, J. A., and Sowa, assignors.)

Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Sorenson, Ben E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)

Du Pont Film Mfg. Company. (See Sease, V. B., and Weber, assignors.)

Durham Manufacturing Company. (See Munger, Earl A., assignor.)

Durst, Henry E., Philadelphia, Pa. Air-flow regulator for air-conditioning systems. 2,192,007; Feb. 27.

Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing. 2,191,880; Feb. 27.

Eaton Manufacturing Company. (See Russell, Robert C., assignor.)

Eaton Manufacturing Company. (See Shaw, Clarence W., assignor.)

Ebel, Friedrich, Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Producing fast dyeings. 2,191,127; Feb. 27.

Eby, Hugh H., Inc. (See Sutter, Samuel, assignor.)

Eckert, Clarence R., Englewood, N. J., assignor to the Celotex Corporation, Chicago, Ill. Flat roof. 2,191,522; Feb. 27.

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)

Edelmann, E., & Co. (See Thomas, Joseph C., assignor.)

Edgar, Donald E., Philadelphia, and P. Robinson, Llanerch, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous composition and preparing same. 2,191,957; Feb. 27.

Edge, Walter S., Atlanta, Ga. Making plaster grounds. 2,191,647; Feb. 27.

Egger, Luis G., assignor to Seneca Textile Corporation, New York, N. Y. Textile fabric. 2,191,986; Feb. 27.

Eggert, Fritz. (See Kränzlein, G., Diefenbach, and Eggert.)

Ehrick, William F., and R. A. Garverick, assignors to The Marion Metal Products Company, Marion, Ohio. Dumping mechanism for truck bodies. 2,192,128; Feb. 27.

Eiseman-Kaye Company. (See Cline, Melvin H., assignor.)

Electrical & Musical Industries Limited. (See Bowman-Manifold, M., Cork, and Browne, assignors.)

Electro Metallurgical Company. (See Franks, Russell, assignor.)

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Urea-formaldehyde type resinous product. 2,192,129; Feb. 27.

Ellis, Delbert, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Enclosed circuit breaker. 2,191,523; Feb. 27.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Ellis Laboratories, Inc. (See Whitner, Thomas C., Jr., assignor.)

Ellis, Walter H., Detroit, Mich. Dipper for ice cream or other usage. 2,191,524; Feb. 27.

Emery, William M. (See Gould, A. S., Emery, and Hyde.)

Engstrom, Everett E., White Plains, N. Y., assignor to McKeesport Tin Plate Corporation. Cake package 2,191,610; Feb. 27.

Entoleter Company. (See Conley, Kurt H., assignor.)

Epstein, Herman, Kansas City, Mo., assignor to Ideal Products Company. Hat holder. 2,191,934; Feb. 27.

Ericsson, Eric W., Brooklyn, N. Y. Doorknob spindle. 2,191,613; Feb. 27.

Erikson, Harry, and G. A. Harker, assignors to Binks Manufacturing Company, Chicago, Ill. Ventilating and accelerating delivery and stacking of printed sheets in a printing press. 2,191,881; Feb. 27.

Ernst, Walter, and I. B. Lawyer, Mount Gilead, Ohio, assignors to The Hydraulic Press Corp. Inc., Wilmington, Del. Plastic extrusion molding machine. 2,191,882; Feb. 27.

Errig, William F., Philadelphia, and G. M. Pfundt, Churchville, assignors to Peco Manufacturing Corporation, Philadelphia, Pa. Automatic slotter for tires. 2,192,130; Feb. 27.

Eshbaugh, Jesse E., and N. Walker, Flint, assignors to General Motors Corporation, Detroit, Mich. Radiator overflow regulator. 2,191,611; Feb. 27.

Evans, Robert D., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Relay system for eliminating direct-current effects of transients. 2,192,035; Feb. 27.

Evelyn, Steven F., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Compressor unloader. 2,191,908; Feb. 27.

Ewer, Roland G., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Chilling machine. 2,191,909; Feb. 27.

Experimental Laboratories, Incorporated. (See Dunham, Clayton A. and A. R., assignors.)

Fabbrica Italiana Magneti Marelli Societa Anonima (See Kamenarović, Leone, assignor.)

Fansteel Metallurgical Corporation. (See Balke, C. W., Hunter, and Haskell, assignors.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed controlled brake. 2,191,822; Feb. 27.

Farnsworth, William H., and C. H. Martin, Manistee, Mich., assignors to Morton Salt Company, Chicago, Ill. Preparation of magnesium products. 2,191,560; Feb. 27.

Farnsworth, William H., and C. H. Martin, Manistee, Mich., assignors to Morton Salt Company, Chicago, Ill. Recovery of usable values from brines. 2,191,561; Feb. 27.

Fasig, Charles P., Honolulu, Hawaii. Automatic advertising apparatus. 2,192,072; Feb. 27.

Fehrle, Alfred, Bad Soden in Taunus, and P. Fritzsche, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, New York, N. Y. Symmetrical di-hydroxyalkylated aminoarsenobenzenes. 2,191,740; Feb. 27.

Fenske, Merrell R. (See McCluer, W. B., and Fenske.)

Fernseh Aktiengesellschaft. (See Schwartz, E., and Ruska, assignors.)

Fiat Societa Anonima. (See Valletta, Vittorio, assignor.)

Filippa, Italo, Alessandria, Italy. Device to modify the wave length range in radio sets. 2,191,562; Feb. 27.

Findlay, Albert, Montreal, assignor to J. B. Frosst, Westmount, Quebec, Canada. Electrical transmitting means for speaking announcements. 2,191,612; Feb. 27.

Fischer, Werner. (See Mieschor, K., and Fischer.)

Fisher, John S., assignor to The General Metals Powder Company, Akron, Ohio. Article of manufacture. 2,191,460; Feb. 27.

Fisher, Lawrence E. (See Frank, W. H., Fisher, and Messing.)

Fishwick, Albert B., Cincinnati, Ohio. Bag and handle. 2,192,131; Feb. 27.

Fitz Simons, Ogden, assignor to Floridin Company, Warren, Pa. Reactivating banxite. 2,191,592; Feb. 27.

Fleischer, Joseph, Clifton Terrace, Ill., and W. A. Bailey, Jr., Baltimore, Md., assignors to The Cellulose Research Corporation, East Alton, Ill. Preparation of cellulose derivatives. 2,191,525; Feb. 27.

Fleischhauer, Richard, and A. Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs. 2,191,823; Feb. 27.

Fleisher, Harry, assignor to Princeton Incorporated, Watertown, Conn. Knitted fabric. 2,191,883; Feb. 27.

Fleming, Augustine L. N., Rutherford, N. J. Split unit. 2,191,444; Feb. 27.

Flents Products Co. Inc. (See Low, Clarence H., assignor.)

Fleury-Bissell Limited. (See Miller, Samuel J., assignor.)

Flogaus, Howard A., assignor to Reo Motor Car Company, Lansing, Mich. Motor vehicle. 2,191,526; Feb. 27.

Floridin Company. (See Fitz Simons, Ogden, assignor.)

Fones, Frank, assignor to Whiting Corporation, Harvey, Ill. Drop pit apparatus. 2,191,710; Feb. 27.

Ford, Harold P., Seattle, Wash. Construction surfacing system. 2,191,461; Feb. 27.

Ford Motor Company. (See Sheldrick, Laurence S., assignor.)

Forse, William H. (See Howser, Walter M., assignor.)

Foxboro Company, The. (See Moore, Frank, assignor.)

Frank, William H., L. E. Fisher, and J. A. Messing, Detroit, Mich. Switching apparatus. 2,191,615; Feb. 27.

Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Steels and electrical resistance elements. 2,191,790; Feb. 27.

Frantz, Ralph S., assignor to General Motors Corporation, Detroit, Mich. Radiator filler cap. 2,191,614; Feb. 27.

French, John E. (See Cox, Joseph F., assignor.)

Fridolph, Annette, assignor to A. B. A. Specialties Company, Inc., New York, N. Y. Connecting means to be used for tufting mattresses and similar operations. 2,192,161; Feb. 27.

Fritzsche, Paul. (See Fehrle, A., and Fritzsche.)

Frosst, John B. (See Findlay, Albert, assignor.)

Frost, Russell E., Oakland, Calif. Signal controlling means. 2,191,563; Feb. 27.

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Fuchs, Henry O. (See Rossman, E. F., Fuchs, and Burton.)

Furr, Dewey O. (See Hill, H., and Furr.)

Gagnier, George E. (See Place, Bion C., assignor.)

Gall, Bernardus O. M., and J. B. Hugenholtz, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge tube. 2,191,884; Feb. 27.

Galligan, James J., Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Rubber article. 2,191,910; Feb. 27.

Galliot, Norbert J. A., Vaucresson, and J. A. V. A. Chable, Paris, France. Recoil absorber for firearms. 2,191,648; Feb. 27.

Garverick, Rsiph A. (See Ehrick, W. F., and Garverick.)

Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Tape serving apparatus. 2,192,132; Feb. 27.

Gehret, Edward F., Jersey Shore, assignor to Aviation Manufacturing Corporation, Williamsport, Pa. Manufacture of propeller blades. 2,192,008; Feb. 27.

General Aniline & Film Corporation. (See Ebel, F., and Koeberle, assignors.)

General Aniline & Film Corporation. (See Fleischhauer, R., and Müller, assignors.)

General Aniline & Film Corporation. (See Kränzlein, G., Diefenbach, and Eggert, assignors.)

General Aniline & Film Corporation. (See Krzikalla, H., and Alt, assignors.)

General Aniline & Film Corporation. (See Müller, W., and Schepss, assignors.)

General Aniline & Film Corporation. (See Roos, Hans, assignor.)

General Aniline & Film Corporation. (See Scheyer, H., and Schwamberger, assignors.)

General Aniline and Film Corporation. (See Wolff, Paul H.)

General Electric Company. (See Bedford, Burnice D., assignor.)

General Electric Company. (See Burmeister, Hermann, assignor.)

General Electric Company. (See Cook, Leonard W., assignor.)

General Electric Company. (See Dahl, O., and Pawlek, assignors.)

General Electric Company. (See Dalton, William, assignor.)

General Electric Company. (See Hoffmann, Bruno, assignor.)

General Electric Company. (See Linde, Leonard J., assignor.)

General Electric Company. (See Metcalf, George F., assignor.)

General Electric Company. (See Miles, Lawrence D., assignor.)

General Electric Company. (See Nowak, P., Hofmeier, and Tobias, assignors.)

General Electric Company. (See Nowak, P., and Triantaphyllides, assignors.)

General Electric Company. (See Pohler, Georg, assignor.)

General Electric Company. (See Remscheid, Emil J., assignor.)

General Electric Company. (See Watts, George V., assignor.)

General Electric Company. (See Watts, Noble H., assignor.)

General Electric Company. (See Whiteman, C. F., and Halliday, assignors.)

General Electric Company. (See Woodworth, John L., assignor.)

General Metals Powder Company, The. (See Fisher, John S., assignor.)

General Motors Corporation. (See Eschbaugh, J. E., and Walker, assignors.)

General Motors Corporation. (See Frantz, Ralph S., assignor.)

General Motors Corporation. (See Kaufman, Daniel L., assignor.)

General Motors Corporation. (See Lenel, Fritz V., assignor.)

General Motors Corporation. (See Muller, Lloyd E., assignor.)

General Motors Corporation. (See Rossman, E. F., Fuchs, and Burton, assignors.)

General Motors Corporation. (See Schutt, Arthur J., assignor.)

General Motors Corporation. (See Schutts, Leroy W., assignor.)

General Motors Corporation. (See Shutts, L. W., and Rosenberg, assignors.)

General Motors Corporation. (See Walker, Nelson, assignor.)

Gerstner, Franz. (See Schuermann, M. O., and Gerstner.)

Gevaert Photo-Producten N. V. (See Stevens, René, assignor.)

Gey, William H., Boston, Mass. Holder for electric irons. 2,191,649; Feb. 27.

Giddings, Horace, San Francisco, Calif. Corrugated ice compartment. 2,191,462; Feb. 27.

Gilbert & Parker Manufacturing Company. (See Logan, Joseph A., assignor.)

Giskes, Willem, and H. A. G. Hazeu, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric generator. 2,192,073; Feb. 27.

Givens, John H., H. W. Biddulph, and L. Rose, Coventry, assignors to Courtaulds Limited, London, England. Manufacture and production of artificial threads, filaments, and the like by the viscose process. 2,192,074; Feb. 27.

Godat, Edmond, Los Angeles, Calif. Weighing apparatus. 2,191,711; Feb. 27.

Goddard, Arch N., et al. (See Upton, Richard C., assignor.)

Goddard, Chester S., et al. (See Upton, Richard C., assignor.)

Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,191,987; Feb. 27.

Goff, G. A. (See Valane, Ernest O., assignor.)

Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)

Gorman, Marvin H., Corbin, Ky. Packing retainer. 2,191,851; Feb. 27.

Gould, Arthur S., Lakewood, W. M. Emery, Cleveland Heights, and R. E. Hyde, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Pipe working tool. 2,191,692; Feb. 27.

Graebner, Otto F., assignor to The Murray Corporation of America, Detroit, Mich. Cowl ventilator structure. 2,191,650; Feb. 27.

Graenacher, Charles, Riehen, and R. Sallmann, Bottmingen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Hydroxythioethers and producing same. 2,191,564; Feb. 27.

Graser, F. A., et al. (See Brown, Lawrence L., assignor.)

Gray, Albert C., Jackson Heights, N. Y. Ice shaving machine. 2,191,756; Feb. 27.

Greenawalt, John E., Bronxville, N. Y. Furnace for burning fuel consisting of combustible and incombustible material. 2,191,712; Feb. 27.

Greenawalt, John E., New York, N. Y. Sintering. 2,191,911; Feb. 27.

Greenwood, Henry B., assignor to F. X. Hooper Company, Inc., Glen Arm, Md. Printer slotter. 2,191,988; Feb. 27.

Greer, Agnes F. R., Morgantown, W. Va. Method and apparatus for recoiling metal coils. 2,191,463; Feb. 27.

Gregoire, Jean A., Paris, France. Motor vehicle and its manufacture. 2,192,075; Feb. 27.

Greiner, Carl F., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Asphalt trimmer. 2,191,958; Feb. 27.

Greis, Henry N. (See McElwaine, Clayton B., assignor.)

Griffin, Eustace C. (See Sosnik, N. Y., and Griffin.)

Grizey, George J., Canton, Conn., assignor to Veeder-Root Incorporated. Register mechanism. 2,191,616; Feb. 27.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft lathe. 2,191,935; Feb. 27.

Grow, James A., Columbus, Ind. Corn cracker and grader. 2,192,076; Feb. 27.

Grudin, Louis, New York, N. Y. Typographic apparatus. 2,191,713; Feb. 27.

Gustin, Robert, Boston, Mass. Garment hanger. 2,191,714; Feb. 27.

Gwynn, Marion H., Leonia, N. J. Actuating catalytic surfaces. 2,191,464; Feb. 27.

Hacker, Francis H., Nutley, N. J. Calculating calendar. 2,191,757; Feb. 27.

Haesloop, Charles G., Rocky Point, N. Y. Cart wheel battery. 2,191,651; Feb. 27.

Hagemeyer, Henry F., Chicago, Ill. Casting press. 2,192,133; Feb. 27.

Hagerty, Howard, et al. (See Upton, Richard C., assignor.)

Haldie Nicholson Co. (See Nicholson, Celtic, assignor.)

Hall, Hollis B., Newton, Iowa. Air conditioning unit. 2,191,885; Feb. 27.

Hall & McChesney, Inc. (See Cooper, J., and Baule, assignors.)

Halliday, Wayne A. (See Whiteman, C. F., and Halliday.)

Hamilton, Andrew C., Jr., Dallas, Tex., assignor to United States Gypsum Company, Chicago, Ill. Sealing earth formations. 2,191,652; Feb. 27.

Hamilton, Francis C., Columbia, Ill., assignor of one-half to L. R. Schuessler, St. Louis, Mo. Sipper. 2,192,036; Feb. 27.

Hamilton, Francis C., Columbia, Ill., assignor of one-half to L. R. Schuessler, St. Louis, Mo. Sipper. 2,192,037; Feb. 27.

Hammer, Charles, Garden City, N. Y. Making container caps or closures. 2,191,989; Feb. 27.

Hanna, Atto N., Newark, N. J. Loose leaf binder. 2,191,886; Feb. 27.

Hanna, William T., Cincinnati, Ohio. Stoking locomotives. 2,191,653; Feb. 27.

Hansell, Clarence W., Port Jefferson, and G. L. Usselman, Rocky Point, N. Y., and C. W. Latimer, West Orange, N. J., assignors to Radio Corporation of America. Electric condenser. 2,192,062; Feb. 27.

Hansen, Halfdan C., St. Albans, N. Y. Adjustable clothes pole. 2,192,038; Feb. 27.

Hansen, Richard C. (See Peyser, L. F., and Hansen.)

Hanson, Elford L., Jr., Athens, Ga. Transposing keyboard. 2,192,077; Feb. 27.

Haon, Harry J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather finish. 2,191,654; Feb. 27.

Harcourt, Harry S., Erie, Pa. Consistency responsive device. 2,192,039; Feb. 27.

Hardy, Elbert C. (See Martin, C. H., and Hardy.)

Hardy, John F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Clicking machine. 2,191,655; Feb. 27.

Hardy, Vernal R., and J. B. Miles, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thread guide. 2,191,791; Feb. 27.

Harker, George A. (See Erikson, H., and Harker.)

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanization accelerator. 2,191,656; Feb. 27.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing cyclohexyl and benzylamino mercapto-benzothiazoles. 2,191,657; Feb. 27.

Harris, Milton, New York, N. Y. Ferrule for an umbrella stick and the like. 2,192,040; Feb. 27.

Harshberger, Norman P., Scarsdale, and S. A. Ochs, assignors to Bakelite Building Products Co., Inc., New York, N. Y. Surface covering material. 2,191,465; Feb. 27.

Harvey, Jacquelin E., Jr., assignor of one-half to Southern Wood Preserving Company, Atlanta, Ga. Producing synthetic hydrocarbon. 2,191,466; Feb. 27.

Haskell, Roy A. (See Balke, C. W., Hunter, and Haskell.)

Hatchette, Andrew H., Cleveland, Ohio. Combined hook and bolt. 2,191,852; Feb. 27.

Hautzenroeder, Richard W., Mansfield, Ohio. Transmission. 2,192,078; Feb. 27.

Haux, Elmer H., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing cellular materials. 2,191,658; Feb. 27.

Havlis, Adolph J., Oak Park, assignor to Keystone Metal Products Co., Chicago, Ill. Tumbler rack. 2,191,693; Feb. 27.

Haywood, Gerald, Westernport, Md., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y. Apparatus for producing calcium sulphite. 2,191,467; Feb. 27.

Hazel-Atlas Glass Company. (See Ross, J. W., and Crosbie, assignors.)

Hazeltine Corporation. (See Lewis, Harold M., assignor.)

Hazeu, Hendrik A. G. (See Giskes, W., and Hazeu.)

Headland, Olga, Moorhead, Minn. Treating and preparing vegetables. 2,192,041; Feb. 27.

Heath, Delos P., Hillsdale, Mich. Refrigeration apparatus. 2,191,715; Feb. 27.

Hecker, Hyman, et al. (See Hilberth, Karl P., assignor.)

Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure and making the same. 2,191,887; Feb. 27.

Heindel, George W., York, Pa. Float switch. 2,191,758; Feb. 27.

Henne, Albert L. (See Midgley, T., Jr., and Henne.)

Hennessy, James J., Montclair, N. J. Journal lubricator device. 2,191,468; Feb. 27.

Henroteau, Francois C. P., Liege, Belgium. Multiplex communication system. 2,191,565; Feb. 27.

Herman, John. (See Dickson, J. R., and Herman.)

Hermson, John H. (See Pierce, H. M., and Hermson.)

Heuer, William F., Quincy, Ill. Clothes stick. 2,191,527; Feb. 27.

Hewel, Frank B., Pittsburgh, Pa. Spring holder for vehicles. 2,191,528; Feb. 27.

Hilberth, Karl P., assignor of forty per cent to S. Steckler and twenty per cent to H. Hecker, White Plains, N. Y. Dirigible airship. 2,191,759; Feb. 27.

Hill, Aurora V. (See Cavey, C. A., Copin, Hill, and Hunt.)

Hill, Gilbert F., Ridgefield, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Antihunting positional control system. 2,191,792; Feb. 27.

Hill, Hubert, and D. O. Furr, Shreveport, La. Lattice. 2,191,566; Feb. 27.

Hillis, David R., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Hydraulic operator. 2,191,888; Feb. 27.

Hinselmann, Wilhelm, Essen-Bredeney, and C. Tiefenthal, Velbert, Germany. Pit prop. 2,192,079; Feb. 27.

Hinton, A. C., et al. (See Lucas, Earnie W., assignor.)

Hintze, Rudolf, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Cold producing plant. 2,191,659; Feb. 27.

Hintzmann, Karl. (See Doser, A., Bayer, and Hintzmann.)

Hirn, Charles M., Cincinnati, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Nonlockout combination time delay lock. 2,191,694; Feb. 27.

Hirschey, Nole, Aberdeen, S. Dak. Window frame construction. 2,191,660; Feb. 27.

Hirsh, Leo, Los Angeles, Calif. Sash balance. 2,191,959; Feb. 27.

Hoagland, William W., assignor to American Auto-Felt Corporation, Grand Rapids, Mich. Mattress. 2,191,889; Feb. 27.

Hock, Alvina L., Buffalo, N. Y. Bathing cap. 2,192,080; Feb. 27.

Hodaly, Emerick, Detroit, Mich. Baby carriage. 2,191,760; Feb. 27.

Hoff, Edward J., Company, The. (See Watts, Harry W., assignor.)

Hoffman, Otto, Washington County, Oreg. Adjustable cultivating implement. 2,191,741; Feb. 27.

Hoffmann, Bruno, Spandau, Germany, assignor to General Electric Company. Fluid control mechanism. 2,192,042; Feb. 27.

Hofgaard, Rolf, Brate Gard, Strommen, Norway. Calculating machine. 2,191,567; Feb. 27.

Hofmeier, Hermann. (See Nowak, P., Hofmeier, and Tobis.)

Holm, Elnar, Passaic, N. J. Weighing apparatus. 2,191,529; Feb. 27.

Holmes, Eric L., Teddington, England. Use of synthetic resins. 2,191,853; Feb. 27.

Holzman, Josef J., Los Angeles, Calif. Treating fruit. 2,191,695; Feb. 27.

Hooper, Bert L., Lincoln, Nebr. Casting device. 2,192,043; Feb. 27.

Hooper, F. X., Company. (See Greenwood, Henry B., assignor.)

Hopkins, George. J., assignor to McCray Refrigerator Company, Kendallville, Ind. Sliding door construction. 2,192,063; Feb. 27.

Hopkins, Horace H. (See Allen, E. R., Bullitt, and Hopkins.)

Hopkins, Robert K., assignor to The M. W. Kellogg Co., New York, N. Y. Veneering of metallic surfaces. 2,191,469; Feb. 27.

Hopkins, Robert K., assignor to The M. W. Kellogg Co., New York, N. Y. Manufacture of veneered articles. 2,191,470; Feb. 27.

Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Welding method. 2,191,471; Feb. 27.

Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Manufacturing composite metal articles. 2,191,474; Feb. 27.

Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Manufacture of metal articles. 2,191,475; Feb. 27.

Hopkins, Robert K., assignor to The M. W. Kellogg Co., New York, N. Y. Welding apparatus. 2,191,476; Feb. 27.

Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Manufacturing cast metal bodies. 2,191,477; Feb. 27.

Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Apparatus for producing composite metal articles. 2,191,478; Feb. 27.

Hopkins, Robert K., and H. S. Blumberg, assignors to The M. W. Kellogg Co., New York, N. Y. Making coated articles. 2,191,472; Feb. 27.

Hopkins, Robert K., West New Brighton, Staten Island, assignor to M. W. Kellogg Co., New York, N. Y. Manufacture of alloy ingots. 2,191,479; Feb. 27.

Hopkins, Robert K., West New Brighton, Staten Island, assignor to M. W. Kellogg Co., New York, N. Y. Apparatus for manufacturing alloy ingots. 2,191,480; Feb. 27.

Hopkins, Robert K., West New Brighton, Staten Island, assignor to M. W. Kellogg Co., New York, N. Y. Manufacturing composite metal articles. 2,191,481; Feb. 27.

Hopkins, Robert K., West New Brighton, Staten Island, assignor to The M. W. Kellogg Co., New York, N. Y. Manufacturing composite metal articles. 2,191,482; Feb. 27.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Journal box. 2,191,761; Feb. 27.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,191,762; Feb. 27.

Hornsby, Grover J. (See Kinzie, P. A., and Hornsby.)

Horst, Karl. (See Balle, G., and Horst.)

Hosiery Developments Limited. (See Mills, Robert K., assignor.)

Hotchkiss, William R., St. Paul, Minn. Check book. 2,191,661; Feb. 27.

Howald, Arthur M., Pittsburgh, Pa., assignor, by mesne assignments, to Plaskon Company, Incorporated. Urea-formaldehyde molding composition and making. 2,191,960; Feb. 27.

Howell, Roy C., Lakewood, Ohio. Steering mechanism for motor vehicles. 2,191,961; Feb. 27.

Howser, Walter M., assignor to W. H. Forse, Anderson, Ind. Attachment for pistons for internal combustion engines. 2,191,854; Feb. 27.

Hucks, Robert T., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,191,530; Feb. 27.

Huettemann, Fritz. (See Day, W. M., and Huettemann.)

Huffaker, Lillian Y., Los Angeles, Calif. Informative barrel for pencils, pens, or the like. 2,191,662; Feb. 27.

Hugenholtz, Jan B. (See Gall, B. O. M., and Hugenholtz.)

Huggins, Owen R., South Norwalk, Conn., assignor to Linotone Corporation. Creating a marginally reduced reproduction of a design. 2,191,483; Feb. 27.

Hughes, Arthur J., et al. (See Sproule, Donald O., assignor.)

Hughes, Henry, & Son Limited, et al. (See Sproule, Donald O., assignor.)

Hughes, Robert H. S., assignor of one-half to M. Roberts, Baltimore, Md. Device for varying the amount of recoil in firearms. 2,191,484; Feb. 27.

Hughes, Robert H. S., assignor of one-half to M. Roberts, Baltimore, Md. Device for recoil control. 2,192,081; Feb. 27.

Humphrey, Dudley S. (See Humphrey, Harvey J., assignor.)

Humphrey, Harvey J., Euclid Beach Park, assignor of one-half to D. S. Humphrey, Euclid Beach, Ohio. Breakwater. 2,191,924; Feb. 27.

Hunicke, Paul A., Fort Madison, Iowa. Repelling device. 2,192,082; Feb. 27.

Hunt, George H., Detroit, Mich., assignor to Borg-Warner Corporation. Braking mechanism. 2,191,716; Feb. 27.

Hunt, Helen C. (See Cavey, C. A., Copin, Hill, and Hunt.)

Hunter, Frederick L., Jr. (See Balke, C. W., Hunter, and Haskell.)

Hunter, Michael H., Hammond, Ind. Vehicle and exerciser. 2,191,568; Feb. 27.

Huntington, Heberlein & Company. (See Pearson, Andrew, assignor.)

Hunziker, Paul. (See Potdevin, A., and Hunziker.)

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair curler and assembly. 2,192,134; Feb. 27.

Hussy, Jacques A., Geneva, Switzerland. Cycle. 2,191,663; Feb. 27.

Hyde, Ralph E. (See Gould, A. S., Emery, and Hyde.)

Hydraulic Press Corp. Inc., The. (See Ernst, W., and Lawyer, assignors.)

Hydril Company of California. (See Stone, Albert L., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Alles, Richard, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Balle, Gerhard, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Balle, G., and Horst, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Doser, A., Bayer and Hintzmann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Käding, Hans, assignor.)

Ideal Products Company. (See Epstein, Herman, assignor.)

Illinois Tool Works. (See Olson, Carl G., assignor.)

Imperial Chemical Industries Limited. (See Baxter, J. P., and Dod, assignors.)

Imperial Chemical Industries Limited. (See Crawford, J. W. C., and McGrath, assignors.)

Ingraham, E., Company, The. (See Poole, Arthur B., assignor.)

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Age resisting rubber composition. 2,191,664; Feb. 27.

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Chain & Manufacturing Company. (See Campbell, George J., Jr., assignor.)

International Milling Company. (See Cecka, Thomas G., assignor.)

International Nickel Company, The. (See Brown, Herman M., assignor.)

International Standard Electric Corporation. (See McLarn, Ernest S., assignor.)

International Standard Electric Corporation. (See Scott, T. R., and Mildner, assignors.)

Interwoven Stocking Company. (See Davis, Robert E., Jr., assignor.)

Irvin, Leslie L., Letchworth, Herts, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute apparatus. 2,192,083; Feb. 27.

Irving Air Chute Co. Inc. (See Smith, Floyd, assignor.)

Irving Air Chute Company. (See Irvin, Leslie L., assignor.)

Irving Air Chute Company. (See Waite, George, assignor.)

Jacoby, Benjamin, and J. M. Quigley, assignors to The Marion Steam Shovel Company, Marion, Ohio. Collapsible gantry. 2,191,696; Feb. 27.

Jaedike, Henry, Brooklyn, N. Y. Electric fuse. 2,191,793; Feb. 27.

Jardine, Albert D., and H. V. Beronius, Detroit, Mich. Portable welder support. 2,191,912; Feb. 27.

Jeffery, Harry A., Cleveland Heights, Ohio. Vacuum cleaner. 2,191,717; Feb. 27.

Jenkins, Wayne E., assignor to Domestic Manufacturing Company, Inc., Los Angeles, Calif. Automatic circuit breaker. 2,191,665; Feb. 27.

Jensen, Charles A., assignor of one-half to G. E. Jensen, Los Angeles, Calif. Exhaust valve seat insert retaining and cooling means. 2,191,485; Feb. 27.

Jensen, Grace E. (See Jensen, Charles A., assignor.)

Johnson Automatic Sealer Co. (See Richard, Charles F., assignor.)

Johnson, John H., Toronto, Ontario, Canada, assignor to The K & W Rubber Corporation, Delaware, Ohio. Making striped rubber rope. 2,191,829; Feb. 27.

Johnson, Joseph B. (See Arms, M. H., Johnson, and Turner.)
Jones, James R., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Using grinding glass sands. 2,191,962; Feb. 27.
Jones, William H. (See Brown, C. L., and Jones.)
Jordahl, Anders. (See Butler, Edgar M., assignor.)
Jordan, John R., Jackson Heights, N. Y. Shock absorber for fluid pressure lines. 2,191,990; Feb. 27.
Jordan, Paul R., Indianapolis, Ind. Anti-back-draft damper. 2,192,009; Feb. 27.
Judelshon, Oscar I., Park Ridge, N. J. Variable speed drive. 2,191,531; Feb. 27.
K & W Rubber Corporation, The. (See Johnson, John H., assignor.)
Küding, Hans, Leuna, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of molybdenum. 2,191,794; Feb. 27.
Kalle & Co. Aktiengesellschaft. (See Schneider, F., Altgelt, and Neugebauer, assignors.)
Kamenarovic, Leone, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Tuning gear for radio receiving sets. 2,192,084; Feb. 27.
Kaplan, Jacob, New York, N. Y. Lady's handbag and making the same. 2,192,010; Feb. 27.
Karrer, Sebastian, Washington, D. C., and O. W. Lusby, Baltimore, Md., assignors, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn. Prevention of sludge formation. 2,191,486; Feb. 27.
Kartaschoff, Valentin, and W. Steinemann, assignors to the firm of Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of pyridinium compounds. 2,192,085; Feb. 27.
Kaufman, Daniel L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,191,925; Feb. 27.
Kehm, Horace S. (See Newton, Courtland G., assignor.)
Kelch Heater Company. (See Caldwell, Stuart H., assignor.)
Kellogg, M. W., Co., The. (See Hopkins, Robert K., assignor.)
Kellogg, M. W., Co., The. (See Hopkins, R. K., and Blumberg, assignors.)
Kent-Owens Machine Company. (See Tremblay, Albert F., assignor.)
Kepler, William R., Wauwatosa, and E. H. Nilson, assignors to A. O. Smith Corporation, Milwaukee, Wis. Transporting tank. 2,191,718; Feb. 27.
Keystone Metal Products Co. (See Havlis, Adolph J., assignor.)
Kieffer, Richard, Reutte, Austria, assignor to The American Cutting Alloys, Inc., New York, N. Y. Tool element. 2,191,666; Feb. 27.
Kinetic Chemicals, Inc. (See Midgley, T., Jr., and Henne, assignors.)
King, Charles W., assignor to MacGregor & King Limited, London, England. Insulated hatch cover for ships. 2,192,135; Feb. 27.
Kinzie, Phillip A., and G. J. Hornsby, assignors to Universal Hydraulic Corporation, Denver, Colo. Interior differential needle valve. 2,191,532; Feb. 27.
Kivialho, Aksel R., and T. P. Koljonen, Helsingfors, Finland; A. S. Koljonen executrix of said T. P. Koljonen, deceased. Automatic postage stamp printing. 2,191,667; Feb. 27.
Kjeruff, Anton P., Guthrie, Okla. Pipe sewer rod. 2,192,086; Feb. 27.
Klaar, Albert. (See Neureiter, H., and Klaar.)
Kniepkamp, Heinrich, Berlin-Pankow, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt-Berlin, Germany. Gas discharge tube. 2,192,162; Feb. 27.
Knobloch, Carl, Warren, Ohio. Liquid volume gauge. 2,191,533; Feb. 27.
Knudsen, Percy E., Pittsburgh, and M. E. Toussaint, Beaver, Pa., assignors to Pittsburgh Plate Glass Company. Covering for buildings. 2,191,668; Feb. 27.
Koeberle, Karl. (See Ebel, F., and Koeberle.)
Kolb, Otto K., Chiswick, London, assignor to British Acoustic Films Limited, London, England. Reproducer for sound films. 2,191,795; Feb. 27.
Koljonen, Alli S., executrix. (See Kivialho, A. R., and Koljonen.)
Koljonen, Toivo P. (See Kivialho, A. R., and Koljonen.)
Koller, Karl, Budapest, Hungary. Apparatus for preventing condensation in gas mains. 2,192,011; Feb. 27.
Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Fastener. 2,192,087; Feb. 27.
Koster, Paul, Paris, France. Grinding machine. 2,191,617; Feb. 27.
Kränzlein, Georg, E. Diefenbach, and F. Eggert, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. N-dihydro-azine compounds of the anthraquinone series and preparing them. 2,191,855; Feb. 27.
Kress, Ralph H., Lawrence, assignor to Patent Protection Corporation, Lowell, Mass., trustee. Liquid automobile clutch control. 2,191,669; Feb. 27.
Krzikalla, Hans, and W. Alt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Manufacture of azo dyestuffs and dyeing textile materials therewith. 2,191,824; Feb. 27.
Kuhlman, William A., Los Angeles, Calif. Sharpening stone oiler and support. 2,191,719; Feb. 27.
Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Thermostat. 2,191,670; Feb. 27.
Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam purifying apparatus. 2,191,671; Feb. 27.
Kuhsel, Joseph A., Hamburg-Altona, Germany. Drag shovel. 2,191,569; Feb. 27.
Kutol Products Company. (See McVicker, Cleophas, assignor.)
Kuzelka, William R., New York, N. Y. Piano string bridging device. 2,191,487; Feb. 27.
Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Denaturant. 2,192,136; Feb. 27.
Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Denatured materials. 2,192,137; Feb. 27.
La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Master cylinder for hydraulic brakes. 2,192,012; Feb. 27.
La Casse, Hector J., Missoula, Mont. Differential. 2,191,763; Feb. 27.
Ladd, George D. (See Caldwell, Albert E., assignor.)
Landis Machine Company. (See Dunford, Ernest, assignor.)
Lane-Wells Company. (See Lohman, Ralph W., assignor.)
Lane-Wells Company. (See Turechek, George F., assignor.)
Lane-Wells Company. (See Wells, Walter T., assignor.)
Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Enclosed mechanism. 2,192,138; Feb. 27.
Larsen, Agnew E., Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotary-winged aircraft and the operation thereof. 2,192,139; Feb. 27.
Latimer, Chester W. (See Hansell, C. W., Usselman, and Latimer.)
Lawyer, Ira B. (See Ernst, W., and Lawyer.)
Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
Le Bus, George F., Longview, Tex. Shaft bearing. 2,191,890; Feb. 27.
Leedy, John S., Adrian, Mich. Mixing apparatus. 2,191,830; Feb. 27.
Lemire, Joseph, assignor of fifty percent to N. Boisvert, Drummondville, Quebec, Canada. Burglar alarm. 2,191,926; Feb. 27.
Lenel, Fritz V., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Manufacture of porous iron articles. 2,191,936; Feb. 27.
Leon, Jose C. H., Tegucigalpa, Honduras. Mill plate resharpening machine. 2,191,764; Feb. 27.
Lessmann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensiometer for strip mills. 2,192,044; Feb. 27.
Levitetz, Norman A., Chicago, Ill., assignor to Why Corporation. Washer cylinder. 2,191,891; Feb. 27.
Lewis, Benjamin F., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,191,913; Feb. 27.
Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Television combining amplifier. 2,191,796; Feb. 27.
Lewis, Robert C., Minneapolis, Minn. Animal trap. 2,191,570; Feb. 27.
Lewis, Robert P., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Needle bearing differential. 2,192,088; Feb. 27.
Linde, Leonard J., Drexel Hill, Pa., assignor to General Electric Company. Electric circuit breaker. 2,192,045; Feb. 27.
Lindstrom, Ture, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,192,046; Feb. 27.
Linotone Corporation. (See Huggins, Owen R., assignor.)
Lirette, Robert R., assignor of twenty per cent to V. Lirette, fourteen per cent to J. L. Cooper, and fifteen per cent to L. R. Wertheimer, New Orleans, La. Container for merchandise. 2,191,571; Feb. 27.
Lirette, Vergie, et al. (See Lirette, Robert R., assignor.)
Lloyd, Taliesen A., Los Gatos, Calif. Game apparatus. 2,191,991; Feb. 27.
Loane, Clarence M. (See Shoemaker, B. H., and Loane.)
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
Logan, Joseph A., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control mechanism for liquid dispensing apparatus. 2,191,927; Feb. 27.
Lohman, Ralph W., South Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Temperature indicator for wells. 2,191,765; Feb. 27.
London, Alvin D., assignor to Al-lon Manufacturing Company, Inc., Baltimore, Md. Mattress cover and the like. 2,191,963; Feb. 27.
Long, Sam, Manhattan, Kans. Evaporator. 2,192,089; Feb. 27.
Lorentzen, Hans K. (See Bond, S. R., and Lorentzen.)

Low, Clarence H., assignor to Flents Products Co., Inc., New York, N. Y. Light shield. 2,191,937; Feb. 27.
Lucas, Earnie W., assignor of forty-five per cent to T. T. Barnes, A. C. Hinton, and R. M. Barnes, Wilson, N. C. Vehicle. 2,191,964; Feb. 27.
Lurie, William A., et al. (See Reynolds, Robert E., assignor.)
Lusby, Oscar W. (See Karrer, S., and Lusby.)
MacGregor & King Limited. (See King, Charles W., assignor.)
Maier, Friedrich E., Berlin-Charlottenburg, Germany. Car body. 2,191,572; Feb. 27.
Malicki, John, Chicago, Ill. Cigarette holder. 2,191,672; Feb. 27.
Malpas, Ellis G., assignor to Sealed Power Corporation, Muskegon, Mich. Spring for piston rings. 2,191,697; Feb. 27.
Manfredi, Joseph, Monongahela, Pa. Toothpick dispenser. 2,191,573; Feb. 27.
Mann, Alan N. (See de Jahn, Fredrik W., assignor.)
Mann, Ralph J., and A. Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of textile fabrics. 2,191,534; Feb. 27.
Marden, William L., Jackson Heights, N. Y., assignor to Neptune Meter Company. Shutter for dispensing pumps. 2,191,892; Feb. 27.
Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. End stop for separable fasteners. 2,192,013; Feb. 27.
Marion Metal Products Company, The. (See Ehrick, W. F., and Garverick, assignors.)
Marion Steam Shovel Company, The. (See Jacoby, B., and Quigley, assignors.)
Marsh, Walter H., Crafton, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Compensated register drive. 2,191,766; Feb. 27.
Mart, Leon T., Mission Township, Johnson County, Kans. Cooling tower. 2,191,938; Feb. 27.
Martin, Clair H. (See Farnsworth, W. H., and Martin.)
Martin, Clair H., and E. C. Hardy, Manistee, Mich., assignors to Morton Salt Company, Chicago, Ill. Preparation of bromates. 2,191,574; Feb. 27.
Martin, Glenn L., Company, The. (See Driggs, Ivan H., assignor.)
Martin, Robert D. (See Mulloy, O. L., and Martin.)
Marx, Walter S., Jr., Los Angeles, Calif., assignor to Printing Arts Research Laboratories, Inc. Photoengraving. 2,191,939; Feb. 27.
Matheson, George L. (See Clemens, J. E., and Matheson.)
Matheson, George L., Union, N. J., assignor to Standard Oil Development Company. Apparatus for treating material with silent electric discharges. 2,191,797; Feb. 27.
McAdams, Harry, assignor to Nolde and Horst Company, Reading, Pa. Knitted fabric. 2,192,090; Feb. 27.
McCann, Thomas A., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printing telegraph counting apparatus. 2,191,798; Feb. 27.
McCluer, Wilbert B., and M. R. Fenske, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation. Treating mineral oils. 2,191,767; Feb. 27.
McCollum, Andrew O. (See Scott, R. W., and McCollum.)
McCowan, David A., Toronto, Ontario, Canada. Displaying, draining, and crushing apparatus for tin cans and the like. 2,191,488; Feb. 27.
McCray Refrigerator Company. (See Hopkins, George J., assignor.)
McCreary, Harold J., Genoa, Ill., assignor to Chicago Television & Research Laboratories, Inc. Device for transferring liquids in vacuum. 2,192,140; Feb. 27.
McDonald, Robert E., and G. J. Scholl, San Antonio, Tex.; dedicated to the free use of the People of the United States of America. Machine for the purpose of destroying the pink bollworm in cottonseed. 2,191,893; Feb. 27.
McElwaine, Clayton B., assignor of fifty-one percent to H. N. Greis, Tulsa, Okla. Pressure regulating valve. 2,192,141; Feb. 27.
McGrath, James. (See Crawford, J. W. C., and McGrath.)
McGrath, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,191,965; Feb. 27.
McKeesport Tin Plate Corporation. (See Engstrom, Everett E., assignor.)
McKenna-Rott Equipment Corp. (See McKenna, William H., assignor.)
McKenna, William H., Erie Pa., assignor to McKenna-Rott Equipment Corp., New York, N. Y. Sterilization. 2,191,799; Feb. 27.
McKenzie, Henry E., Yemassee, S. C. Attachment for target traps. 2,191,618; Feb. 27.
McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Telephone transmitter. 2,191,992; Feb. 27.
McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Telephone hand-set with combined transmitter and dial. 2,191,993; Feb. 27.
McNeill, Thomas C., Chicago, Ill. Apparatus for sealing folders, booklets, or like articles. 2,191,535; Feb. 27.
McQuiston, Frederick B., Pittsburgh, Pa. Reel. 2,191,489; Feb. 27.
McVicker, Cleophas, Cincinnati, assignor to Kutol Products Company, Norwood, Ohio. Dispenser for fluent material. 2,191,928; Feb. 27.
Meckl, Lorenz, Detroit, Mich. Engine intake attachment. 2,191,940; Feb. 27.
Meigs, Frederick M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure and producing same. 2,191,894; Feb. 27.
Meigs, Frederick M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing cellulosic structures. 2,191,895; Feb. 27.
Meigs, Frederick M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing cellulosic articles. 2,191,896; Feb. 27.
Meigs, Frederick M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing cellulosic articles. 2,191,897; Feb. 27.
Meincke, Howard D., Glencoe, Ill. Paper filler and making the same. 2,191,575; Feb. 27.
Meinhardt, Carl W., Fargo, N. Dak. Fender tool. 2,191,720; Feb. 27.
Meiser, George H., Chicago, Ill. Attachment for internal combustion engines. 2,191,968; Feb. 27.
Meiser, George H., Chicago, Ill. Attachment for internal combustion engines. 2,191,969; Feb. 27.
Meiser, George H., Chicago, Ill. Attachment for internal combustion engines. 2,191,970; Feb. 27.
Meitzner, Erich F., assignor to Röhm & Haas Company, Philadelphia, Pa. Preparing α-substituted acrylic acids. 2,192,142; Feb. 27.
Mellor, Albert. (See Mann, R. J., and Mellor.)
Melton, Romie L. (See Benner, R. C., and Melton.)
Mergenthaler Linotype Company. (See Brandenburg, Hermann, assignor.)
Merwin Manufacturing Company. (See Bierbach, Charles B., assignor.)
Messing, Joseph A. (See Frank, W. H., Fisher, and Messing.)
Metcalf, George F., Scotia, N. Y., assignor to General Electric Company. Electron beam device. 2,192,049; Feb. 27.
Metreger, Alan, assignor to Safety Signs, Inc., Chicago, Ill. Sign. 2,192,163; Feb. 27.
Meyer-Keller, O., & Co. A. G. (See Witzenmann, Emil, assignor.)
Michel, Philip, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Machine for finishing rubber valve stems. 2,191,536; Feb. 27.
Middlebrooks, Arthur L. (See Middlebrooks, Glenn L., assignor.)
Middlebrooks, Glenn L., Houston, Tex., assignor of one-half to A. L. Middlebrooks, Texarkana, Ark. Anchor equipped mooring chain. 2,191,856; Feb. 27.
Midgley, Thomas, Jr., Worthington, and A. L. Henne, Columbus, Ohio, assignors, by mesne assignments, to Kinetic Chemicals, Inc., Wilmington, Del. Fluorination process. 2,192,143; Feb. 27.
Miescher, Karl, Riehen, and W. Fischer, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. 3,5,6-trihydroxy androstane and pregnane compounds. 2,191,576; Feb. 27.
Miketta, C. A. (See Aronow, Albert M., assignor.)
Milarch, Max R., Portland, Oreg. Fingernail brush. 2,191,721; Feb. 27.
Mildner, Raymond C. (See Scott, T. R., and Mildner.)
Miles, John B., Jr. (See Hardy, V. R., and Miles.)
Miles, Lawrence D., Ballston Lake, N. Y., assignor to General Electric Company. Discharge apparatus. 2,192,047; Feb. 27.
Miliam, Bruce V., Menlo, Wash. Portable and collapsible pile driver. 2,192,091; Feb. 27.
Miller, Ernest M., Excelsior, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch operating device. 2,191,742; Feb. 27.
Miller, Gray, Jr., Westmount, Quebec, Canada. Eyeshield. 2,192,092; Feb. 27.
Miller, Samuel J., Corpus Christi, Tex., assignor of fifty per cent to Fleury-Bissell Limited, Elora, Ontario, Canada. Disk harrow. 2,191,537; Feb. 27.
Miller, Wayland R., Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for refrigerating apparatus. 2,191,967; Feb. 27.
Miller, Wayland R., Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,192,144; Feb. 27.
Miller, William J., Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,191,857; Feb. 27.
Mills, Robert K., Sherwood, Nottingham, assignor to Hosiery Development Limited, Nottingham, England. Method of and apparatus for knitting stockings. 2,191,577; Feb. 27.
Minger, Michael E., assignor of one-half to E. P. White, Pottsville, Pa. Game apparatus. 2,192,096; Feb. 27.
Minneapolis-Honeywell Regulator Company. (See Beveridge, Robert A., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Miller, Ernest M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Miller, Wayland R., assignor.)
Minneapolis-Honeywell Regulator Company. (See Spangenberg, Charles B., assignor.)
Mitterer, Adolph V., Denver, Colo. Preventing vapor lock in internal combustion engines. 2,191,490; Feb. 27.
Moehrke, Hans. (See Wolff, P. H., Moehrke, and Schäfer.)
Money, Roland H., Mount Healthy, assignor to The Crosley Corporation, Cincinnati, Ohio. Ice-cream tray. 2,191,578; Feb. 27.
Monsanto Chemical Company. (See Harman, Marion W., assignor.)
Monsanto Chemical Company. (See Ingram, Joseph R., assignor.)
Monsanto Chemical Company. (See Wilson, William S., assignor.)
"Montecatini" Società Generale per l'Industria Mineraria e, Chimica. (See Beretta, Filippo, assignor.)
Montgomery Ward & Co. (See Wood, Fred C., assignor.)
Moore, Elif A., Clifton, Tex. Respirator. 2,192,093; Feb. 27.
Moore, Frank, assignor to The Foxboro Company, Foxboro, Mass. Printing mechanism for multiple-record recorders. 2,191,673; Feb. 27.
Moore, Harold, London, England. Apparatus for treating one liquid with one or more other liquids. 2,192,094; Feb. 27.
Moore, William H., Los Angeles, Calif. Paper and trash picker tongs and the like. 2,191,858; Feb. 27.
Moose, Harold L., San Francisco, Calif. Ventilator. 2,191,768; Feb. 27.
Morehouse, Harry C., assignor to Wagner-Morehouse, Inc., Los Angeles, Calif. Brake mechanism. 2,191,769; Feb. 27.
Morley, Herbert, et al. (See Sheppard, William L., assignor.)
Morton Salt Company. (See Farnsworth, W. H., and Martin, assignors.)
Morton Salt Company. (See Martin, C. H., and Hardy, assignors.)
Mosler Lock Company, The. (See Hirn, Charles M., assignor.)
Moss, Benjamin, Manitowoc, Wis. Time clock. 2,191,770; Feb. 27.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Mountstephen, Edred R., Southend-on-Sea, England. Automatic burglar, fire, or like alarm. 2,191,971; Feb. 27.
Mo Valve Company, The. (See Aldous, William H., assignor.)
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Cross head. 2,192,014; Feb. 27.
Mueller, Carl, Chicago, Ill. Expansion coupling. 2,192,048; Feb. 27.
Müller, Adolf. (See Fleischhauer, R., and Müller.)
Muller, Lloyd E., Flint, assignor to General Motors Corporation, Detroit, Mich. Exhaust silencer. 2,191,619; Feb. 27.
Muller, Lloyd E., Flint, assignor to General Motors Corporation, Detroit, Mich. Resonator silencer. 2,191,620; Feb. 27.
Müller, Werner, Cologne, and W. Schepss, Leverkusen I. G.-Werk, Germany, assignors to General Aniline & Film Corporation. Basic triarylmethane dyes. 2,191,674; Feb. 27.
Mulloy, Ollie L. (See Peters, T. R., and Mulloy.)
Mulloy, Ollie L., and R. D. Martin, assignors to A. G. Blanchard, Shreveport, La. Split clamp water gauge. 2,191,722; Feb. 27.
Mulnix, Ersel C., Chicago, Ill. Box. 2,191,723; Feb. 27.
Munger, Earl A., assignor to Durham Manufacturing Company, Muncie, Ind. Table top. 2,192,145; Feb. 27.
Murphree, Eger V., Summit, and W. J. Sweeney, Elizabeth, N. J., assignors to Standard Oil Development Company. Solid lubricant composition. 2,191,675; Feb. 27.
Murphy, Arthur R., deceased, by M. R. Murphy, administratrix, Penns Grove, N. J., and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compounds. 2,191,800; Feb. 27.
Murphy, Arthur R., deceased; M. R. Murphy, administratrix, Penns Grove, N. J., and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyazo dye compounds. 2,191,801; Feb. 27.
Murphy, Margaret R., administratrix. (See Murphy, A. R., and Rossander.)
Murray Corporation of America, The. (See Graebner, Otto F., assignor.)
Myers, Joseph W., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Coffee maker. 2,192,095; Feb. 27.
N. V. Philips' Gloeilampenfabrieken. (See Giskes, W., and Hazeu, assignors.)
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Fluid pressure generation. 2,191,676; Feb. 27.
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)
Nast, Paul H., Royal Oak, Mich., assignor to Sullivan Machinery Company. Drill bit. 2,191,491; Feb. 27.
Nast, Paul H., Royal Oak, Mich., assignor to Sullivan Machinery Company. Drilling implement. 2,191,492; Feb. 27.
National Broach & Machine Company. (See Drummond, Robert S., assignor.)
National Cash Register Company, The. (See Neureiter, H., and Klaar, assignors.)
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Apparatus for forming master cams. 2,191,898; Feb. 27.
Nelson, Edward F., Vallejo, Calif. Stud welder. 2,191,494; Feb. 27.
Nelson, J. B., et al. (See Brown, Lawrence L., assignor.)
Nelson, John J., Birmingham, Ala. Air hose connection. 2,191,579; Feb. 27.
Neptune Meter Company. (See Bugg, Kenly C., assignor.)
Neptune Meter Company. (See Marden, William L., assignor.)
Nesset, Naurice M., assignor to Baxter Laboratories, Inc., Glenview, Ill. Bottle stopper for the storing of sterile liquids. 2,191,495; Feb. 27.
Neugebauer, Wilhelm. (See Schneider, F., Altgelt, and Neugebauer.)
Neureiter, Hubert, Essen, and A. Klaar, Bielefeld, Germany, assignors to The National Cash Register Company, Dayton, Ohio. Multiple totalizer selecting means. 2,192,164; Feb. 27.
Newark Stove Company. (See Pickup, George E., assignor.)
Newton, Courtland G., Chicago, Ill., assignor to H. S. Kehm. Pipe fitting. 2,191,724; Feb. 27.
Nicholson, Celtic, assignor to Haldie Nicholson Co., Leominster, Mass. Ferrule. 2,192,097; Feb. 27.
Nickell, Claude H., Newcastle, Ind. Braking apparatus. 2,191,677; Feb. 27.
Nieuwland, Julius A., deceased, by J. A. Burns, executor, Notre Dame, and F. J. Sowa, South Bend, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization and condensation process catalyzed by means of dihydroxyfluoboric acid and dihydroxyfluoboric acid-boron fluoride addition compounds. 2,192,015; Feb. 27.
Nightenhelser, Bert, Westfield, and J. Ballard, Noblesville, Ind. Power take-off drive. 2,192,146; Feb. 27.
Nilson, Eric H. (See Kepler, W. R., and Nilson.)
Nitardy, Ferdinand W., Brooklyn, and L. T. Andrews, Jamaica, assignors to E. R. Squibb & Sons, New York, N. Y. Preparing tablets. 2,191,678; Feb. 27.
Nolde and Horst Company. (See McAdams, Harry, assignor.)
Norcross, Austin S., Newton, Mass. Alternating current commutator motor. 2,192,050; Feb. 27.
Norcross, Austin S., Waban, Mass. Constant speed motor. 2,192,051; Feb. 27.
Novick, Abraham. (See Smithe, F. L., and Novick.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Machinery for making window envelopes. 2,191,496; Feb. 27.
Novotny, Emil E., and G. K. Vogelsang, Philadelphia, Pa. Preparation of fusible ketone-aldehyde synthetic resins. 2,191,802; Feb. 27.
Nowak, Paul, and H. Hofmeier, Berlin-Charlottenburg, and C. Tobis, Berlin-Oberschoneweide, Germany, assignors to General Electric Company. Electrical insulation. 2,191,580; Feb. 27.
Nowak, Paul, and T. Triantaphyllides, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Insulating resinous compositions and electrical conductors coated with the same. 2,191,581; Feb. 27.
Nutting, Gerry B., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Tape tensioning pulley for spinning frames. 2,192,147; Feb. 27.
O'Byrne, John F., Kalamazoo, Mich. Plane construction. 2,191,679; Feb. 27.
Ochs, Sidney A. (See Harshberger, N. P., and Ochs.)
Ocón, Cecilio L., Yonkers, N. Y. Production of high quality lubricating oils by cold fractionation, extraction, and synthesis. 2,191,972; Feb. 27.
Oesterle, Frank D., Teaneck, N. J., and G. Zellar, Harrison, assignors to Western Electric Company, Incorporated, New York, N. Y. Abrasive material. 2,191,803; Feb. 27.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Fastener. 2,191,771; Feb. 27.
O'Malley, Arthur F., Valley Stream, N. Y. Building construction unit. 2,191,804; Feb. 27.
Ordal, Sigval E., Chicago, Ill. Hone. 2,191,994; Feb. 27.
Osborne, William B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,191,543; Feb. 27.
Oster Manufacturing Company, The. (See Gould, A. S., Emery, and Hyde, assignors.)
O'Toole, Floyd F., assignor of two-fifths to L. J. Brennan, L'Anase, Mich. Foldable table. 2,191,772; Feb. 27.
Otto, Carl L., Jr., West Hempstead, N. Y. Direction indicator. 2,192,148; Feb. 27.
Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for transporting material in mines. 2,191,621; Feb. 27.

Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Independent needle for knitting machines. 2,192,098; Feb. 27.
Painter, Maurice E., Brookville, Ohio. Exercising device. 2,191,698; Feb. 27.
Pariot, George, New York, N. Y. Mounting for swinging closures. 2,191,900; Feb. 27.
Parker, Arthur L., Cleveland, Ohio. Tube coupling. 2,191,582; Feb. 27.
Pass, Sam. (See Trubitz, Philip, assignor.)
Pastor, Carl T., Huels, uber Krefeld, Germany. Spinning device. 2,191,583; Feb. 27.
Patent Protection Corporation, trustee. (See Kress, Ralph H., assignor.)
Pawlek, Franz. (See Dahl, O., and Pawlek.)
Pearson, Andrew, assignor to Huntington, Heberlein & Company, Limited, Aldwych, London, England. Separation of solid materials of different specific gravities. 2,191,805; Feb. 27.
Peco Manufacturing Corporation. (See Errig, W. F., and Pfundt, assignors.)
Penn, Frederic H., Dallas, Tex. Method and composition for improving milling products. 2,192,099; Feb. 27.
Penn, Frederic H., Dallas, Tex. Method and composition for improving milling products. 2,192,100; Feb. 27.
Pennsylvania Petroleum Research Corporation. (See McCluer, W. B., and Fenske, assignors.)
People of the United States of America, Dedicated to the free use of the. (See McDonald, R. E., and Scholl.)
Pepperdine, Ben, Chicago, Ill. Torque measuring wrench. 2,191,725; Feb. 27.
Perkins, Ralph P., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of di-(4-hydroxyphenyl)-dimethyl methane. 2,191,831; Feb. 27.
Peskin, Leonard C., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Spiral spring. 2,192,101; Feb. 27.
Peters, Theodore R., and O. L. Mulloy, assignors to A. G. Blanchard, Shreveport, La. Pressure control valve. 2,191,726; Feb. 27.
Peterson, Edward A., assignor to The Geo. F. Cram Company, Indianapolis, Ind. Mounting for illuminated globes. 2,192,149; Feb. 27.
Petitjean, Clifford O., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Control mechanism. 2,192,016; Feb. 27.
Pettinati, Lawrence V., New York, N. Y. Demountable wheel. 2,192,064; Feb. 27.
Peyser-Hansen Machine Co. (See Peyser, L. F., and Hansen, assignors.)
Peyser, Leonard F., Mount Vernon, and R. C. Hansen, Eastchester, assignors to Peyser-Hansen Machine Co., Inc., Mount Vernon, N. Y. Dial feed mechanism. 2,191,806; Feb. 27.
Pfundt, George M. (See Errig, W. F., and Pfundt.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Air conditioning system. 2,191,622; Feb. 27.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,191,623; Feb. 27.
Phipps, George S., Morristown, and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiping solder. 2,191,624; Feb. 27.
Pickup, George E., Newark, Ohio, assignor to Newark Stove Company. Fuel supply mechanism for gasoline stoves. 2,191,727; Feb. 27.
Pierce, Howard M., and J. H. Hermson, Brooklyn, assignors to A. G. Spalding & Bros. Inc., New York, N. Y. Sole plate. 2,192,150; Feb. 27.
Pinto, Edward H., London, England. Carriage for supporting trays. 2,192,102; Feb. 27.
Pittsburgh Equitable Meter Company. (See Marsh, Walter H., assignor.)
Pittsburgh Plate Glass Company. (See Haux, Elmer H., assignor.)
Pittsburgh Plate Glass Company. (See Knudsen, P. E., and Toussaint, assignors.)
Pittsburgh Steel Company. (See Protin, Edward J., assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,191,773; Feb. 27.
Plaskon Company. (See Howald, Arthur M., assignor.)
Plaskon Company. (See Belfit, Robert W., assignor.)
Plummer, Richard W. (See Brill, J. L., and Plummer.)
Pohler, Georg, Berlin-Schoneberg, Germany, assignor to General Electric Company. Electrical insulation. 2,191,584; Feb. 27.
Pohlman, Augustus G., Los Angeles, Calif. Auditory apparatus. 2,191,832; Feb. 27.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Rotary motion translating device. 2,191,538; Feb. 27.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Rotary motion translating device. 2,191,539; Feb. 27.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Rotary motion translating device. 2,191,540; Feb. 27.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Rotary motion translating device. 2,191,541; Feb. 27.
Porter, Guy H., Linwood, Pa. Electric switch. 2,191,859; Feb. 27.
Potdevin, Adolph, Garden City, and P. Hunziker, Hamilton Beach, assignors to Potdevin Machine Company, Brooklyn, N. Y. Method of and apparatus for making bags and the like. 2,191,497; Feb. 27.
Potdevin Machine Company. (See Potdevin, A., and Hunziker, assignors.)
Potishman, Ruth, Fort Worth, Tex. Cigarette and vanity case. 2,191,680; Feb. 27.
Preacher, Charles B., Sumter, S. C. Fabric cleanser. 2,191,914; Feb. 27.
Preston, Alexander P., Denver, Colo. Dental mouth mirror. 2,192,103; Feb. 27.
Primak, Adam, Milwaukee, Wis. Universal sharpener. 2,191,899; Feb. 27.
Princeton Incorporated. (See Fleisher, Harry, assignor.)
Printing Arts Research Laboratories, Inc. (See Marx, Walter S., Jr., assignor.)
Proctor & Schwartz, Incorporated. (See Myers, Joseph W., assignor.)
Protin, Edward J., Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Thread-cutting machine. 2,191,915; Feb. 27.
Puetzer, Bruno, Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Biguanidino substituted diphenyleneoxides. 2,191,860; Feb. 27.
Pulver, Frank F., St. Petersburg, Fla., assignor to Alliance Investment Corporation, Geneseo, N. Y. Vending machine. 2,191,585; Feb. 27.
Purcell, Thomas E., Mount Lebanon, and I. E. Church, Bethel Township, Allegheny County, Pa. Fluid supply hose and reel means. 2,191,728; Feb. 27.
Quigley, John M. (See Jacoby, B., and Quigley.)
Rabin, Benjamin. (See Rheineck, A. E., and Rabin.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Gall, B. O. M., and Hugenholtz, assignors.)
Radio Corporation of America. (See Hansell, C. W., Usselman, and Latimer, assignors.)
Radio Corporation of America. (See Shore, Henry, assignor.)
Ralston Purina Company. (See Smith, Herbert J., assignor.)
Rawlins, Archie L. (See Walsh, J. F., and Rawlins.)
Rawson, Leslie A., Los Angeles, Calif. Derrick construction. 2,191,681; Feb. 27.
Raytheon Manufacturing Company. (See Spencer, Percy L., assignor.)
Reconstruction Finance Corporation. (See Bachle, Carl F., assignor.)
Reconstruction Finance Corporation. (See Decker, Isaac C., assignor.)
Reconstruction Finance Corporation. (See Hillis, David R., assignor.)
Recordgraph Corporation. (See Woolf, William L., assignor.)
Reed, Lyman C., New Orleans, La. Attic ventilation. 2,191,774; Feb. 27.
Reed, William E., Pittsburgh, Pa. Making fabrics. 2,191,682; Feb. 27.
Reflectone Corporation, The. (See Simjian, Luther G., assignor.)
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Spring suspension. 2,191,941; Feb. 27.
Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition and method of making. 2,191,498; Feb. 27.
Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum wax alkylated phenol and making it. 2,191,499; Feb. 27.
Reilly, John L., Claremont, N. H., assignor to Sullivan Machinery Company. Drill bit. 2,191,493; Feb. 27.
Reiter, Daniel L., New York, N. Y. Slide closure. 2,192,017; Feb. 27.
Rekuperator Gesellschaft mit beschränkter Haftung. (See Schack, Alfred, assignor.)
Remscheid, Emil J., Scotia, N. Y., assignor to General Electric Company. Electric valve circuit. 2,192,052; Feb. 27.
Reo Motor Car Company. (See Flogaus, Howard A., assignor.)
Reynolds, Everett, Mooreland, Ind. Burial vault with metal lining. 2,192,104; Feb. 27.
Reynolds, Robert E., assignor of one-third to W. A. Lurie, and one-third to C. B. Anderson, New Orleans, La. Portable sectional stairway. 2,192,151; Feb. 27.
Rheineck, Alfred E., and B. Rabin, Louisville, Ky., assignors to Devoe & Reynolds Co., Inc. Licanic acid resin and process of making. 2,192,152; Feb. 27.
Richard, Charles F., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton feeding mechanism. 2,191,586; Feb. 27.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch. 2,191,625; Feb. 27.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Automobile door latch structure. 2,192,105; Feb. 27.
Riley Stoker Corporation. (See Kuhner, Max H., assignor.)

Roberts, Henry T., assignor to J. P. Seeburg Corporation, Chicago, Ill. Phonograph structure. 2,191,729; Feb. 27.

Roberts, Milton. (See Hughes, Robert H. S., assignor.)

Roberts, Thomas J., Sydney, New South Wales, Australia. Signal means usable by golf players. 2,191,683; Feb. 27.

Robertson, Donald D., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube circuits. 2,191,542; Feb. 27.

Robinson, Paul. (See Edgar, D. E., and Robinson.)

Rock-Ola Manufacturing Corporation. (See Williams, Harry E., assignor.)

Roe, Chester M., Hasbrouck Heights, N. J. Producing a packing for stuffing boxes or the like. 2,191,807; Feb. 27.

Rogers, Almerin E., Fullerton, Calif. Belt tightener. 2,191,626; Feb. 27.

Röhm & Haas Company. (See Bruson, Herman A., assignor.)

Röhm & Haas Company. (See Meitzner, Erich F., assignor.)

Röhm & Haas Company. (See Russell, A., and Copenhaver, assignors.)

Röhm & Haas Company. (See Stiasny, Edmond, assignor.)

Roos, Hans, Leverkusen-I. G.-Werk, Rhine, Germany, assignor to General Aniline & Film Corporation, Azo dyestuffs. 2,192,153; Feb. 27.

Rose, Leslie. (See Givens, J. H., Biddulph, and Rose.)

Rosenberg, Philip S. (See Shutts, L. W., and Rosenberg.)

Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Machine for use in making boxes. 2,191,684; Feb. 27.

Rosling, Paul A., Caldwell, N. J. Insulating windows, doors, and the like. 2,191,500; Feb. 27.

Ross, James W., and F. L. Crosbie, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Percolator strapper machine. 2,192,106; Feb. 27.

Rossander, Swanie S. (See Murphy, A. R., and Rossander.)

Roosman, Edwin F., Dayton, Ohio, H. O. Fuchs, and R. B. Burton, assignors to General Motors Corporation, Detroit, Mich. Hydraulic shock absorber. 2,191,942; Feb. 27.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyether resins. 2,191,587; Feb. 27.

Ruska, Ernst. (See Schwartz, E., and Ruska.)

Ruskin, Henry, Chicago, Ill. Wire splicer. 2,191,544; Feb. 27.

Russell, Alfred, Urbana, Ill., and J. W. Copenhaver, assignors to Röhm & Haas Company, Philadelphia, Pa. Tanning material. 2,191,943; Feb. 27.

Russell, Robert C., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Automotive drive axle. 2,191,833; Feb. 27.

Rymal, Theodore R., Refugio, Tex. Pump. 2,191,861; Feb. 27.

Sacks, Bernice Y., Los Angeles, Calif. Shield. 2,191,589; Feb. 27.

Saco-Lowell Shops. (See Nutting, Gerry B., assignor.)

Safety Car Heating & Lighting Company. (See Schepmoes, Lindsley, assignor.)

Safety Signs, Inc. (See Metreger, Alan, assignor.)

Sallmann, Richard. (See Graenacher, C., and Sallmann.)

Sanderson, Harvey L., Butler, Pa. Vizor. 2,191,775; Feb. 27.

Sandstone, Harvey D., Los Angeles, Calif. Self-loading and unloading bailer. 2,192,065; Feb. 27.

Sanford, Roy S., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,192,018; Feb. 27.

Santana, Alfred E. (See Santana, Joseph A. and A. E.)

Santana, Joseph A. and A. E., New York, N. Y. Safety match cover. 2,192,053; Feb. 27.

Sarazin, Raoul R. R., Saint-Prix, France. System for analyzing vibrations. 2,191,862; Feb. 27.

Sattler, Wilhelm, Mannheim, assignor to Stotz-Kontakt, Gesellschaft mit beschrankter Haftung, Mannheim-Neckarau, Germany. Thermostatically actuated automatic switch. 2,191,588; Feb. 27.

Saunders, Philip K., Cwmbran, England. Fluid control valve. 2,191,863; Feb. 27.

Scaife, Wm. B., and Sons Company. (See Duden, Emil G., assignor.)

Schaaf, Frank R., Meriden, Conn. Wall construction. 2,192,107; Feb. 27.

Schack, Alfred, Meerbusch, near Dusseldorf, assignor to Rekuperator Gesellschaft mit beschrankter Haftung, Dusseldorf, Germany. Steel smelting furnace. 2,192,108; Feb. 27.

Schaefer, Henry G., New York, N. Y. Cooling fluids. 2,191,864; Feb. 27.

Schäfer, Gustav. (See Wolff, P. H., Moehrke, and Schäfer.)

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting fixture. 2,192,019; Feb. 27.

Schepss, Wilhelm. (See Müller, W., and Schepss.)

Scheyer, Heinz, Frankfort-on-the-Main, and E. Schwamberger, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Producing nitrogenous condensation products of the anthrone series. 2,191,685; Feb. 27.

Schlachter, Henry, Beatrice, Nebr. Mechanical movement. 2,191,865; Feb. 27.

Schmidt, Lambert, Leeds, N. Y. Thermostatic circuit interrupter. 2,191,501; Feb. 27.

Schneider, Fritz, H. Altgelt, and W. Neugebauer, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Treatment of staple fiber. 2,191,977; Feb. 27.

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Wearing apparel. 2,191,545; Feb. 27.

Schnellpressenfabrik Aktiengesellschaft Heidelberg. (See Büttner, Artur, assignor.)

Scholl, Gustav J. (See McDonald, R. E., and Scholl.)

Schramm, Jacob R., Philadelphia, Pa. Tree marker. 2,191,808; Feb. 27.

Schreiber, Albert J., assignor to Bower Roller Bearing Company, Detroit, Mich. Forming roller bearing cups. 2,191,916; Feb. 27.

Schreiber, Elmer A., Albert Lea, Minn. Nut for stringed musical instruments. 2,191,776; Feb. 27.

Schreiber, Max, Chicago, Ill. Vehicle head lamp. 2,191,546; Feb. 27.

Schuermann, Max O., and F. Gerstner, Dormagen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Extracting copper from alkaline solutions. 2,192,154; Feb. 27.

Schuessler, L. Ray. (See Hamilton, Francis C., assignor.)

Schuldt, Elmer F., Chicago, Ill. Locating leaks in a gas main or the like. 2,192,155; Feb. 27.

Schumacher, Earle E. (See Phipps, G. S., and Schumacher.)

Schutt, Arthur J., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Thermostatic valve. 2,191,627; Feb. 27.

Schwamberger, Emil. (See Scheyer, H., and Schwamberger.)

Schwartz, Erich, and E. Ruska, Berlin-Zehlendorf, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Television apparatus. 2,191,590; Feb. 27.

Scott, Charles H., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Classifier mechanism. 2,191,743; Feb. 27.

Scott, Charles H., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Classifier mechanism. 2,191,744; Feb. 27.

Scott, Ray W., and A. O. McCollum, assignors to Bendix Home Appliances, Inc., Detroit, Mich. Transmission. 2,191,628; Feb. 27.

Scott, Ray W., and A. O. McCollum, assignors to Bendix Home Appliances, Inc., Detroit, Mich. Transmission. 2,191,629; Feb. 27.

Scott, Thomas R., and R. C. Mildner, London, England, assignors to International Standard Electric Corporation, New York, N. Y. High tension electric cable. 2,191,995; Feb. 27.

Scott & Williams, Incorporated. (See Page, Albert E., assignor.)

Scovill Manufacturing Company. (See Michel, Philip, assignor.)

Sealed Power Corporation. (See Ballard, J. H., and Spencer, assignors.)

Sealed Power Corporation. (See Malpas, Ellis G., assignor.)

Sears, Roebuck and Co. (See Snow, Adolph J., assignor.)

Sease, Virgil B., New Brunswick, and J. R. Weber, South River, N. J., assignors to du Pont Film Mfg. Company, New York, N. Y. Multicolor film and process. 2,191,502; Feb. 27.

Security Engineering Co. (See Swart, Kenneth H., assignor.)

Seeburg, J. P., Corporation. (See Roberts, Henry T., assignor.)

Seneca Textile Corporation. (See Egger, Luis G., assignor.)

Servel, Inc. (See Ullstrand, Hugo M., assignor.)

Seyferth, Carl G., assignor to West Michigan Steel Foundry Co., Muskegon, Mich. Landing gear. 2,191,866; Feb. 27.

Shackelford, Orie, Fairmont, W. Va. Lehr stacker for glassware. 2,191,591; Feb. 27.

Sharp & Dohme, Incorporated. (See Coghill, Robert D., assignor.)

Shaw, Clarence W., Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Self-locking valve tappet screw. 2,191,944; Feb. 27.

Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Centrifugal pump. 2,191,917; Feb. 27.

Shelor, Frederick L., Sandston, assignor to Davis Manufacturing Company, Richmond, Va. Gauge rod wiper. 2,191,817; Feb. 27.

Shenk, Robert H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Drain. 2,191,686; Feb. 27.

Sheppard, William L., assignor to H. Morley, Grosse Pointe, and T. R. Bush, Royal Oak, Mich. Door closer and check. 2,192,156; Feb. 27.

Shoemaker, Bernard H., and C. M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,191,996; Feb. 27.

Shore, Henry, Brooklyn, N. Y., assignor to Radio Corporation of America. Facsimile recorder. 2,191,867; Feb. 27.

Shumway, Jay C., Pittsburgh, Pa. Terminal. 2,191,503; Feb. 27.

Shutts, Leroy W., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Humidity compensated thermostat. 2,191,630; Feb. 27.

Shutts, Leroy W., and P. S. Rosenberg, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Brazing of thin metal structures. 2,191,631; Feb. 27.

Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,191,997; Feb. 27.

Siemens and Halske Aktiengesellschaft. (See Kniepkamp, Heinrich, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Hintze, Rudolf, assignor.)

Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement for six-wheel trucks. 2,192,157; Feb. 27.

Simjian, Luther G., New Haven, assignor to The Reflectone Corporation, Stamford, Conn. Pose reflecting system. 2,192,158; Feb. 27.

Simjian, Luther G., New Haven, assignor to The Reflector Corporation, Stamford, Conn. Pose reflecting system. 2,192,159; Feb. 27.

Sinclair Refining Company. (See Thayer, George, assignor.)

Singer Manufacturing Company. (See Zonis, Sydney, assignor.)

Sjöstrand, Hjalmar E., Ravala, Grangesberg, Sweden. Position indicating device for a movable body. 2,191,730; Feb. 27.

Skates, Jacob L., Bessemer, Ala. Sand mold making. 2,191,687; Feb. 27.

Slack, Daniel B., Westerville, Ohio. Elastic horseshoe pad. 2,191,834; Feb. 27.

Smethurst, Joseph O., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave amplifying system. 2,191,547; Feb. 27.

Smith, A. O., Corporation. (See Kepler, W. R., and Nilson, assignors.)

Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Vibrational machinery. 2,191,504; Feb. 27.

Smith, Floyd, assignor to Irving Air Chute Co. Inc., Buffalo, N. Y. Parachute and safety harness apparatus. 2,192,109; Feb. 27.

Smith, Herbert J., University City, assignor to Ralston Purina Company, St. Louis, Mo. Poultry lice exterminator. 2,191,548; Feb. 27.

Smith, Welden R., Chicago, Ill. Hinge. 2,191,632; Feb. 27.

Smithe, F. L., Machine Co. Inc. (See Novick, Abraham, assignor.)

Smithe, F. L., Machine Co. (See Smithe, F. L., and Novick, assignors.)

Smithe, Ferdinand L., New York, and A. Novick, Flushing, assignors to F. L. Smithe Machine Co., Inc., New York, N. Y. Manufacture of window envelopes. 2,191,505; Feb. 27.

Snelling, Marjorie G., Allentown, Pa. Food process and product. 2,191,835; Feb. 27.

Snelling, Walter O., assignor to Trojan Powder Company, Allentown, Pa. Stencil sheet. 2,191,731; Feb. 27.

Snow, Adolph J., Wilmette, assignor to Sears, Roebuck and Co., Chicago, Ill. Toy wagon body. 2,191,868; Feb. 27.

Snyder, George D., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,191,506; Feb. 27.

Societe Anonyme des Pneumatiques Dunlop. (See Bernardon, Marcellin E. R., assignor.)

Societe des Anciens, Etablissements Lhuillier. (See Bloc, Frédéric B., assignor.)

Society of Chemical Industry in Basle. (See Miescher, K., and Fischer, assignors.)

Socony-Vacuum Oil Company. (See Reiff, Orland M., assignor.)

Sommer, Herman C., Los Angeles, Calif. Hose retriever. 2,191,973; Feb. 27.

Sorenson, Ben E., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diethers of dimethylol urea and making same. 2,191,974; Feb. 27.

Sosnik, Nestor Y., and E. C. Griffin, Winston-Salem, N. C. Electric bulb remover and installer. 2,191,593; Feb. 27.

Southern States Equipment Corporation. (See Caldwell, John R., assignor.)

Southern Wood Preserving Company. (See Harvey, Jacquelin E., Jr., assignor.)

Sowa, Frank J. (See Nieuwland, J. A., and Sowa.)

Spalding, A. G., & Bros. Inc. (See Dickson, J. B., and Herman, assignors.)

Spalding, A. G., & Bros. Inc. (See Pierce, H. M., and Hermson, assignors.)

Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Meat-slitting machine. 2,191,732; Feb. 27.

Spangenberg, Charles B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control mechanism for refrigerating apparatus. 2,191,966; Feb. 27.

Spanner, Hans J., Berlin-Kladow, Germany. Discharge device. 2,191,507; Feb. 27.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Controlled gaseous discharge device. 2,191,594; Feb. 27.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetically controlled gaseous discharge device. 2,191,595; Feb. 27.

Spencer, William H. (See Ballard, J. H., and Spencer.)

Sperry Gyroscope Company. (See Hill, Gilbert F., assignor.)

Spicer Manufacturing Corporation. (See Lewis, Robert P., assignor.)

Spiess, Georg, Leipzig, Germany. Sheet feeding device. 2,191,596; Feb. 27.

Spiess, Georg, Liepzig, Germany. Sheet feeding device. 2,191,597; Feb. 27.

Spraragen, Louis, assignor to The Bridgeport Coach Lace Company, Incorporated, Bridgeport, Conn. Window channel. 2,191,549; Feb. 27.

Sproule, Donald O., assignor of one-third to A. J. Hughes, Essex, and one-third to Henry Hughes & Son Limited, London, England. Dynamo electric machinery. 2,191,809; Feb. 27.

Squibb, E. R., & Sons. (See Nitardy, F. W., and Andrews, assignors.)

Stadtfeld, Jacob A., assignor to D. Colvin, San Francisco, Calif. Dispensing device. 2,191,918; Feb. 27.

Stahl, Friedrich, Werdohl, assignor to Stahlwerke Brüninghaus Aktiengesellschaft, Werdohl in Westphalia, Germany. Arrangement for fixing handles of steel tube in forks, spades, or other implements. 2,191,998; Feb. 27.

Stahlwerke Brüninghaus Aktiengesellschaft. (See Stahl, Friedrich, assignor.)

Standard-I. G. Company. (See Brown, C. L., and Jones, assignors.)

Standard Oil Company. (See Shoemaker, B. H., and Loane, assignors.)

Standard Oil Development Company. (See Clemens, J. E., and Matheson, assignors.)

Standard Oil Development Company. (See Matheson, George L., assignor.)

Standard Oil Development Company. (See Murphree, E. V., and Sweeney, assignors.)

Standard Products Company, The. (See Anderson, Dwight M., assignor.)

Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)

Steckler, Samuel, et al. (See Hilberth, Karl P., assignor.)

Steinemann, Willy. (See Kartaschoff, V., and Steinemann.)

Stephens, Henry M., Montgomery, W. Va. Rock drill. 2,191,699; Feb. 27.

Stephens, Percy W., Chicago, Ill. Pressure cooker. 2,191,975; Feb. 27.

Stetson, George W., Hingham, Mass. Liquid level controller. 2,191,700; Feb. 27.

Stevens, René, assignor to Gevaert Photo-Producten N. V., Antwerp, Belgium. Sensitizing photographic silver halide emulsions. 2,191,810; Feb. 27.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic signal device. 2,191,825; Feb. 27.

Stiasny, Edmund, Helsingborg, Sweden, assignor, by mesne assignments to Röhm & Haas Company, Philadelphia, Pa. Substance having tanning action and producing the same. 2,191,818; Feb. 27.

Stone, Albert L., Palos Verdes Estates, assignor to Hydril Company of California, Los Angeles, Calif. Milling cylindrical work. 2,191,777; Feb. 27.

Stone, Warren M., Camden, N. J. Staple. 2,191,869; Feb. 27.

Stotz-Kontakt, Gesellschaft mit beschrankter Haftung. (See Sattler, Wilhelm, assignor.)

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,191,929; Feb. 27.

Strezoff, Bogola, Minneapolis, Minn. Hair clipper. 2,192,054; Feb. 27.

Stromberg, David E., and J. E. Carlson, Detroit, Mich. Self-cleaning punch. 2,191,836; Feb. 27.

Stuart, Robert, Forest Hills, N. Y. Photographic film carrier and development receptacle. 2,191,508; Feb. 27.

Stubler, Raymond A., Baltimore, Md. Dispensing cap for tooth paste and similar tubes. 2,192,020; Feb. 27.

Sturm, Frederick W., assignor to The Wayne Pump Company, Fort Wayne, Ind. Liquid dispensing apparatus. 2,191,870; Feb. 27.

Submarine Signal Company. (See Smith, Edward W., assignor.)

Sullivan Machinery Company. (See Nast, Paul H., assignor.)

Sullivan Machinery Company. (See Reilly, John L., assignor.)

Sumkowski, Alphons J. (See Campbell, Albert B., assignor.)

Sutter, Samuel, assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Connector device. 2,191,871; Feb. 27.

Swart, Kenneth H., assignor to Security Engineering Co., Inc., Whittier, Calif. Back pressure valve. 2,191,778; Feb. 27.

Swartz, Carl E., Cleveland Heights, and E. J. Dockstetter, East Cleveland, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bonding dissimilar metals. 2,191,598; Feb. 27.

Sweeney, William J. (See Murphree, E. V., and Sweeney.)

Szlapka, John W., Chicago, Ill. Water closet connection. 2,192,110; Feb. 27.

Taliaferro, Edward E., Jackson, Tenn. Clock. 2,191,976; Feb. 27.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H.) (See von Bronk, Otto, assignor.)

Tennessee Eastman Corporation. (See Karrer, S., and Lusby, assignors.)

Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y. Cylinder paper machine. 2,191,999; Feb. 27.

Thau, Philip F., New York, N. Y. Swivel T coupling. 2,191,688; Feb. 27.

Thayer, George, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining. 2,191,919; Feb. 27.

Therriault, Telesphore E., Manchester, N. H. Feed modifying attachment for shoe rounding and channeling machines. 2,191,779; Feb. 27.

Thomas, Joseph C., Akron, Ohio, assignor to E. Edelmann & Co., Chicago, Ill. Battery servicing kit. 2,191,837; Feb. 27.

Thomas, Laurence H. (See Kuhn, F., and Thomas.)

Threlkeld, Lewis P. (See Duncan, Herbert L., assignor.)

Tiefenthal, Carl. (See Hinselmann, W., and Tiefenthal.)

Tilton, Elvin J., Brownsville, Pa. Method and apparatus for producing printing plates. 2,191,945; Feb. 27.

Timken Roller Bearing Company, The. (See Brotherton, Clifford A., assignor.)

Timken Roller Bearing Company, The. (See Eastburg, Clifford L., assignor.)

Tinnerman, Albert H. (See Tinnerman, George A., assignor.)

Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening means. 2,191,689; Feb. 27.

Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening means. 2,191,780; Feb. 27.

Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Cleveland, Ohio. Fastener. 2,192,160; Feb. 27.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Tobis, Carlos. (See Nowak, P., Hofmeier, and Tobis.)

Tomlin, Benjamin F. (See Collins, Timothy, assignor.)

Toussaint, Melvin E. (See Knudsen, P. E., and Toussaint.)

Trampler, Charles R., Sr., St. Louis, Mo. Food and water dish for animals. 2,191,811; Feb. 27.

Tremblay, Albert F., assignor to Kent-Owens Machine Company, Toledo, Ohio. Method and apparatus for delivering and gathering glass. 2,191,733; Feb. 27.

Triantaphyllides, Telemach. (See Nowak, P., and Triantaphyllides.)

Trojan Powder Company. (See Snelling, Walter O., assignor.)

Trubitz, Philip, assignor to S. Pass, Chicago, Ill. Furniture slip cover. 2,191,633; Feb. 27.

Tuft, Miles H., and J. H. Clark, assignors to Deere & Company, Moline, Ill. Trailer brake. 2,192,055; Feb. 27.

Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Pressure compensator for gun perforators. 2,191,781; Feb. 27.

Turner, Albert. (See Arms, M. H., Johnson, and Turner.)

Udylite Corporation, The. (See Brown, Henry, assignor.)

Ulistrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,191,550; Feb. 27.

Ulistrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,191,551; Feb. 27.

Union Asbestos & Rubber Company. (See Astley, William F., assignor.)

Union Oil Company of California. (See Blount, Arthur L., assignor.)

United Shoe Machinery Corporation. (See Doyle, Thomas J., assignor.)

United Shoe Machinery Corporation. (See Hardy, John F., assignor.)

United States Gypsum Company. (See Hamilton, Andrew C., Jr., assignor.)

United States Rubber Company. (See Galligan, James J., assignor.)

Universal Hydraulic Corporation. (See Kinzie, P. A., and Hornsby, assignors.)

Upton, Richard C., Mount Clemens, assignor of one-eighth to A. N. Goddard, one-eighth to C. S. Goddard, one-eighth to E. E. Anderson, and one-eighth to H. Hagerty, Detroit, Mich. Variable speed electric motor. 2,191,872; Feb. 27.

Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Rectifier. 2,191,634; Feb. 27.

Usselman, George L. (See Hansell, C. W., Usselman, and Latimer.)

Valane, Ernest O., Oak Terrace, assignor of one-half to G. A. Goff, Hennepin County, Minn. Thermometer holder. 2,191,782; Feb. 27.

Valletta, Vittorio, assignor to Fiat Societa Anonima, Turin, Italy. Cooling the radiator of a motor vehicle engine. 2,191,599; Feb. 27.

Veeder-Root Incorporated. (See Grizey, George J., assignor.)

Victor, Joseph B., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Oil retainer with combined diaphragm and outer metal seal. 2,191,873; Feb. 27.

Victor Manufacturing & Gasket Company. (See Victor, Joseph B., assignor.)

Vlaszac, George A., Philadelphia, Pa. Retainer for yarn packages. 2,192,111; Feb. 27.

Vogelsang, George K. (See Novotny, E. E., and Vogelsang.)

Von Bronk, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Color television. 2,191,515; Feb. 27.

Von Horst, Louis A. F., Coburg, Thuringia, Germany. Preparation of hop extract. 2,191,838; Feb. 27.

Vrusho, Harry L., Worcester, Mass. Sterilizer. 2,192,112; Feb. 27.

Wagner-Morehouse, Inc. (See Morehouse, Harry C., assignor.)

Wahl, Leo J., Sterling, Ill. Grinder. 2,191,600; Feb. 27.

Waite, George, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute apparatus. 2,192,113; Feb. 27.

Wakefield, John C., Winthrop, Mass. Retort for char kilns. 2,191,920; Feb. 27.

Walker, Luther E. O., Gary, Ind. Spotlight. 2,192,114; Feb. 27.

Walker, Nelson. (See Eshbaugh, J. E., and Walker.)

Walker, Nelson, Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator overflow valve. 2,191,636; Feb. 27.

Wallgren, August G. F., Stockholm, assignor, by mesne assignments, to Aktiebolaget Nomy, Lidkoping, Sweden. Bearing. 2,191,901; Feb. 27.

Walsh, James F., Chicago, Ill., and A. L. Rawlins, Hammond, Ind., assignors to American Maize-Products Company. Canned food composition. 2,191,509; Feb. 27.

Ware, Elmer G., Bakersfield, Calif. Sediment remover. 2,192,115; Feb. 27.

Warren, Harold C., Stratford, assignor to Canfield Rubber Company, Bridgeport, Conn. Stopper fastener. 2,191,812; Feb. 27.

Wascher, Frank. (See Double, P. E., and Washer.)

Waterbury Farrell Foundry and Machine Company. (See Petitjean, Clifford O., assignor.)

Waters, Hosea D., Stillwater, Okla. Reseating tool. 2,192,116; Feb. 27.

Watts, George V., Alden, Pa., assignor to General Electric Company. Hot wire lead stripper. 2,192,056; Feb. 27.

Watts, Harry W., Maplewood, N. J., assignor to The Edward J. Hoff Company, Hamilton, Ohio. Venetian blind. 2,191,602; Feb. 27.

Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Ironing press. 2,192,057; Feb. 27.

Wayne Pump Company, The. (See Sturm, Frederick W., assignor.)

Weber, John R. (See Sease, V. B., and Weber.)

Weeks, Warren L., Ventnor, N. J. Automatic braking system. 2,192,021; Feb. 27.

Weller, John, West Horsley, England. Tensioning device for transmission chains and the like. 2,191,946; Feb. 27.

Wells, R. H., et al. (See Brown, Lawrence L., assignor.)

Wells, Walter T., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug. 2,191,783; Feb. 27.

Wenzel, Richard, administrator. (See Wolff, P. H., Moehrke, and Schäfer.)

Wertheimer, Leo R., et al. (See Lirette, Robert R., assignor.)

Wessock, Ernest E., Los Angeles, Calif. Fastener for grass catching baskets for lawn mowers. 2,191,601; Feb. 27.

West Michigan Steel Foundry Co. (See Seyferth, Carl G., assignor.)

West Virginia Pulp & Paper Company. (See Haywood, Gerald, assignor.)

Western Cartridge Company. (See Crockett, Harry L., assignor.)

Western Electric Company. (See Oesterle, F. D., and Zellar, assignor.)

Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Stevens, Roy R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ellis, Delbert, assignor.)

Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)

Westinghouse Electric & Manufacturing Company. (See Willmann, Hans H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Wise, Ernest G., assignor.)

Wheaton, A. W., Brass Works. (See Wheaton, Abram W., assignor.)

Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Closure means. 2,191,902; Feb. 27.

White, Edward P. (See Minger, Michael E., assignor.)

Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)

Whitehurst, Bert W., New London, Conn., assignor to Whitehurst Research Corporation. Manufacture of hydrocarbons. 2,191,510; Feb. 27.

Whitehurst Research Corporation. (See Whitehurst, Bert W., assignor.)

Whiteman, Clarence F., Parma, and W. A. Halliday, Geneva, Ohio, assignors to General Electric Company. Magnetic indicator for watt-hour meters. 2,192,058; Feb. 27.

Whiting Corporation. (See Fones, Frank, assignor.)

Whitner, Thomas C., Jr., Elizabeth, N. J., assignor to Ellis Laboratories, Inc. Factice-containing printing ink. 2,191,603; Feb. 27.

Why Corporation. (See Levitetz, Norman A., assignor.)

Wick, John H., assignor to Wicks Organ Company, Highland, Ill. Organ. 2,191,734; Feb. 27.

Wicks Organ Company. (See Wick, John H., assignor.)

Wier, Anthony J., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frame support. 2,191,637; Feb. 27.

Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,192,117; Feb. 27.

Williams, Harry E., Los Angeles, Calif., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game apparatus. 2,191,735; Feb. 27.

Willmann, Hans H., Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,192,059; Feb. 27.

Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,192,022; Feb. 27.

Wilmington Trust Company, executor. Carothers, Wallace H.)

Wilson, John H., Wichita Falls, Tex. Liquid cooled brake. 2,191,604; Feb. 27.

Wilson, William S., Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Activation of clays. 2,192,000; Feb. 27.

Winterhalter, Martin, Morcote, near Lugano, Switzerland. Sliding clasp fastener. 2,191,874; Feb. 27.

Winthrop Chemical Company. (See Fehrle, A., and Fritzsche, assignors.)

Winthrop Chemical Company. (See Puetzer, Bruno, assignor.)

Wise, Ernest G., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Locking device. 2,192,060; Feb. 27.

Witzenmann, Emil, Pforzheim, Baden, Germany, assignor to O. Meyer-Keller & Co. A. G., Lucerne, Switzerland. Flexible metal tube. 2,191,690; Feb. 27.

Wolff, Paul H., deceased, by R. Wenzel, administrator, H. Moehrke, and G. Schäfer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation. Acid diamino-triphenyl-methane dyestuffs. 2,192,118; Feb. 27.

Wood, Fred C., Winnetka, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Display apparatus. 2,191,701; Feb. 27.

Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Denaturant. 2,192,119; Feb. 27.

Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Denaturant. 2,192,120; Feb. 27.

Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Carrier current system. 2,192,061; Feb. 27.

Woolf, William L., Bayside, assignor, by mesne assignments, to Recordgraph Corporation, New York, N. Y. Indexing and finding means for sound recording and reproducing machines. 2,191,691; Feb. 27.

Worthington Pump and Machinery Corporation. (See Evelyn, Steven F., assignor.)

Worthington Pump and Machinery Corporation. (See Ewer, Roland G., assignor.)

Young, Earl B., Pueblo, Colo. Flush type latch operator. 2,191,784; Feb. 27.

Yowell, O. P., Service Company. (See Yowell, Olney P., assignor.)

Yowell, Olney P., Whittier, Calif., assignor to O. P. Yowell Service Company. Bypass fitting. 2,191,702; Feb. 27.

Zap, Edward F., West Chester, Pa. Flap-trailed airfoil. 2,191,839; Feb. 27.

Zap, Edward F., West Chester, Pa. Aerodynamic control device. 2,191,840; Feb. 27.

Zehnder, Gebrüder, Radiatoren- & Apparatebau. (See Zehnder, Otto, assignor.)

Zehnder, Otto, assignor to Gebrüder Zehnder Radiatoren- & Apparatebau, Granichen, Switzerland. Refrigerating plant comprising piston operated compressor. 2,191,605; Feb. 27.

Zellar, George. (See Oesterle, F. D., and Zellar.)

Zimmermann, Hans J., Elkins Park, Pa. Device for measuring fuel consumption. 2,191,552; Feb. 27.

Zirlinger, Roscoe C., Pittsburgh, Pa. Ground meat mold. 2,191,921; Feb. 27.

Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Take-up for sewing machines. 2,191,736; Feb. 27.

Zurn, J. A., Manufacturing Company. (See Shenk, Robert H., assignor.)

Zwerina, Rudolf, Vienna, Austria. Rocket. 2,191,841; Feb. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aldehydes, Catalytic formation of long-chain. W. A. Lazier. Re. 21,373; Feb. 27.
Apparatus for the detection of displacements. R. Gunn. Re. 21,372; Feb. 27.
Control system and apparatus, Traffic actuated. H. A. Wilcox. Re. 21,377; Feb. 27.
Displayer, Portable. A. M. Barrett. Re. 21,371; Feb. 27.
Gear mechanism. R. J. L. Moineau. Re. 21,374; Feb. 27.
Holder, Eel. G. H. Tillinghast. Re. 21,375; Feb. 27.
Spacing mechanism. T. K. Walma. Re. 21,376; Feb. 27.

LIST OF PLANT INVENTIONS

Gardenia plant. T. H. Wright. 364; Feb. 27.

LIST OF DESIGN INVENTIONS

Air volume control and pressure gauge, Combined. B. E. Shaw. 119,175; Feb. 27.
Ashtray. J. P. Sandejas. 119,206; Feb. 27.
Badge. F. X. Phelan. 119,187; Feb. 27.
Bowl or similar article. L. Guild. 119,166; Feb. 27.
Box, Display. R. A. Nagle. 119,173; Feb. 27.
Bracelet. H. Reinstein. 119,188; Feb. 27.
Bracelet and watch, Combined. W. M. Welling. 119,192; Feb. 27.
Cabinet, for frozen food or the like, Combined display and dispensing. W. McK. Baird. 119,151; Feb. 27.
Carton for plastic foods. J. W. Post. 119,205; Feb. 27.
Chair, High. C. G. Carlson. 119,177; Feb. 27.
Cigar machine or similar article. H. H. Wheeler and J. P. Durning. 119,210; Feb. 27.
Clamp, Bloodless circumcision. A. A. Goldstein. 119,180; Feb. 27.
Clamp for a ski binding. L. Nashe and O. Overgaard. 119,174; Feb. 27.
Clip, Trouser. D. H. Bowder. 119,153; Feb. 27.
Coat. S. Finkel. 119,222; Feb. 27.
Coat. J. Hochfelder. 119,249; Feb. 27.
Coat. E. Minkoff. 119,226; Feb. 27.
Coat. M. Schatzberg. 119,230; Feb. 27.
Coat. E. Schulich. 119,232; Feb. 27.
Coat. H. Zuckerman. 119,234–5; Feb. 27.
Comb, Curl. N. L. Solomon. 119,219; Feb. 27.
Cover, Bacon slicing machine. E. A. Schiewe. 119,217; Feb. 27.
Display card, Sample fabric. S. E. Bender. 119,152; Feb. 27.
Doll. O. M. Jay. 119,167; Feb. 27.
Doll. O. M. Jay. 119,182–3; Feb. 27.
Dress. D. Bass. 119,211; Feb. 27.
Dress. C. Charles. 119,221; Feb. 27.
Dress. S. De Pasquale. 119,238; Feb. 27.
Dress. P. Fracchia. 119,240–5; Feb. 27.
Dress. M. Green. 119,213; Feb. 27.
Dress. J. N. Greenstein. 119,246; Feb. 27.
Dress. M. Haon. 119,248; Feb. 27.
Dress. L. Hymen. 119,251; Feb. 27.
Dress. M. Massow. 119,172; Feb. 27.
Dress. A. Nager. 119,228; Feb. 27.
Dress. B. Recht. 119,215; Feb. 27.
Dress. B. Ringel. 119,229; Feb. 27.
Dress. F. L. Rose. 119,216; Feb. 27.
Dress ensemble. M. Backus. 119,220; Feb. 27.
Dress ensemble. J. N. Greenstein. 119,247; Feb. 27.
Fabric, Elastic gathered. M. B. Kaplan. 119,223; Feb. 27.
Fabric, Knitted. M. Weber. 119,252; Feb. 27.
Fabric, Textile. S. B. Musson. 119,227; Feb. 27.
Fabric, Textile. A. F. Schlatter. 119,231; Feb. 27.
Fabric, Tucked. M. B. Kaplan. 119,224; Feb. 27.
Figure of a bird. G. W. Vipond. 119,191; Feb. 27.
Fire detecting device. S. T. Van Houten. 119,200; Feb. 27.
Flask, Whiskey. D. E. Briner. 119,202; Feb. 27.
Game piece or the like. B. Rosser. 119,189; Feb. 27.
Generator of base mounting type, Magneto electric. E. A. Vogel. 119,209; Feb. 27.
Generator of flange mounting type, Magneto electric. E. A. Vogel. 119,208; Feb. 27.
Handbag or the like. A. Schenker. 119,198; Feb. 27.
Head for internal combustion engine breather system. A. C. Dressler. 119,194; Feb. 27.
Heater, Portable electric. G. E. MacFadden and D. L. Ripley. 119,197; Feb. 27.
Holder for a shoulder and yoke ironing press, Combined buck and collar. C. P. Downer and H. G. Cooper. 119,212; Feb. 27.
Holder or similar article, Note pad. L. Guild. 119,165; Feb. 27.
Light reflecting unit. A. W. Krueger. 119,203; Feb. 27.
Mirror and thermometer, Combined. J. Fischer. 119,239; Feb. 27.
Overshoe. L. B. Fitzgerald. 119,195; Feb. 27.
Pendant or the like, Perfume containing. W. C. Frommer. 119,196; Feb. 27.
Pin, Lapel. B. Smith. 119,199; Feb. 27.
Pump. H. M. Loeber. 119,214; Feb. 27.
Rack attachment for tobacco can, Pipe. G. S. Sterne. 119,207; Feb. 27.
Rack for piece goods bolts, Display. S. P. Brown. 119,154; Feb. 27.
Ripping device. B. L. Chatfield. 119,178; Feb. 27.
Sharpener, Drill point. E. Dion. 119,179; Feb. 27.
Shaver, Electric. W. L. Martin. 119,186; Feb. 27.
Slipper or similar article. D. J. Calderazzo. 119,157–64; Feb. 27.
Spoon or similar article. F. W. Koonz. 119,168; Feb. 27.
Sprinkler, Lawn. A. C. Hoffman. 119,250; Feb. 27.
Stenotype machine. W. B. Petzold. 119,204; Feb. 27.
Suit. H. Zuckerman. 119,233; Feb. 27.
Table, Combined bacon slicing and wrapping. E. A. Schiewe. 119,218; Feb. 27.
Target or similar article. L. L. Campbell, Jr. 119,176; Feb. 27.
Tire. R. S. Lee. 119,169–71; Feb. 27.
Tire. R. S. Lee. 119,184–5; Feb. 27.
Tire, Pneumatic. J. E. Cady. 119,155; Feb. 27.
Tire, Pneumatic. J. E. Cady, D. A. Macdonald, and R. G. Null. 119,156; Feb. 27.
Uniform. A. M. Berger. 119,236–7; Feb. 27.
Uniform. D. Lull. 119,225; Feb. 27.
Vase, Illuminated table. G. E. Bolton. 119,201; Feb. 27.
Wheel balancing machine. F. L. Haasl and C. F. Kiser. 119,181; Feb. 27.
Wrench, Torque measuring. H. W. Zimmerman. 119,193; Feb. 27.
Yoke for earth working implements. R. G. Le Tourneau. 119,190; Feb. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF FEBRUARY, 1940

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive material. F. D. Oesterle and G. Zellar. 2,191,803; Feb. 27.
Accordion attachment. A. S. Barty. 2,191,747; Feb. 27.
Accounting machine. J. W. Bryce. 2,192,003; Feb. 27.
Acid, Continuous process for making adipic. A. M. Aronow. 2,191,786; Feb. 27.
Acid, Making aminosulphonic. M. E. Cupery. 2,191,754; Feb. 27.
Acid, Preparation of 2-nitro-naphthalene-4,8-disulphonic. F. Beretta. 2,191,820; Feb. 27.
Acids, Preparing α-substituted acrylic. E. F. Meitzner. 2,192,142; Feb. 27.
Acids, Purification of organic. A. L. Blount. 2,191,449; Feb. 27.
Adjustable chair. I. C. Decker. 2,191,644; Feb. 27.
Advertising apparatus, Automatic. C. P. Fasig. 2,192,072; Feb. 27.
Aerodynamic control device. E. F. Zap. 2,191,840; Feb. 27.
Agitating, aerating, and/or mixing machine. J. J. Bean. 2,191,739; Feb. 27.
Air, Conditioning. C. R. Downs. 2,192,126; Feb. 27.
Air conditioning system. L. A. Philipp. 2,191,622; Feb. 27.
Air conditioning unit. H. B. Hall. 2,191,885; Feb. 27.
Aircraft and the operation thereof, Rotary-winged. A. E. Larsen. 2,192,139; Feb. 27.
Airfoil, Flap-trailed. E. F. Zap. 2,191,839; Feb. 27.
Airplane and control apparatus therefor. W. E. Back. 2,191,842; Feb. 27.
Airship, Dirigible. K. P. Hilberth. 2,191,759; Feb. 27.
Alarm, Automatic burglar, fire, or like. E. R. Mountstephen. 2,191,971; Feb. 27.
Alarm, Burglar. J. Lemire. 2,191,926; Feb. 27.
Alloy: *See*—
Hard alloy.
Alloy ingots, Manufacture of. R. K. Hopkins. 2,191,479; Feb. 27.
Alternating current commutator motor. A. S. Norcross. 2,192,050; Feb. 27.
Amides and their production, High-molecular polycarboxylic acid. G. Balle. 2,191,738; Feb. 27.
Aminoarsenobenzenes, Symmetrical di-hydroxyalkylated. A. Fehrle and P. Fritzsche. 2,191,740; Feb. 27.
Ammonium compounds and making them, Quaternary. D. D. Coffman. 2,191,753; Feb. 27.
Amplifier, Television combining. H. M. Lewis. 2,191,796; Feb. 27.
Anchor, Sleeper. C. B. Bierbach. 2,191,979; Feb. 27.
Animal trap. R. C. Lewis. 2,191,570; Feb. 27.
Apparatus for applying liquid to fabric. R. C. Benner and R. L. Melton. 2,191,827; Feb. 27.
Apparatus for automatically tuning radio receivers. E. M. Butler. 2,191,606; Feb. 27.
Apparatus for forming master cams. A. L. Nelson. 2,191,898; Feb. 27.
Apparatus for making hollow glass blocks. H. H. Blau. 2,191,953; Feb. 27.
Apparatus for manufacturing alloy ingots. R. K. Hopkins. 2,191,480; Feb. 27.
Apparatus for preventing condensation in gas mains. K. Koller. 2,192,011; Feb. 27.
Apparatus for producing calcium sulphite. G. Haywood. 2,191,467; Feb. 27.
Apparatus for producing composite metal articles. R. K. Hopkins. 2,191,478; Feb. 27.
Apparatus for sealing folders, booklets, or like articles. T. C. McNeill. 2,191,535; Feb. 27.
Apparatus for transporting material in mines. G. W. Packer. 2,191,621; Feb. 27.
Apparatus for treating material with silent electric discharges. G. L. Matheson. 2,191,797; Feb. 27.
Apparatus for treating one liquid with one or more other liquids. H. Moore. 2,192,094; Feb. 27.
Apparel, Wearing. G. Schneider. 2,191,545; Feb. 27.
Article of manufacture. J. S. Fisher. 2,191,460; Feb. 27.
Articles, Making coated. R. K. Hopkins and H. S. Blumberg. 2,191,472; Feb. 27.
Articles, Manufacture of veneered. R. K. Hopkins. 2,191,470; Feb. 27.
Articles of glass, Forming sealed hollow. H. H. Blau. 2,191,951; Feb. 27.
Ashtray feeder container, Automatic. A. Baff. 2,191,511; Feb. 27.
Asphalt trimmer. C. F. Greiner. 2,191,958; Feb. 27.
Attachment for pistons for internal combustion engine. W. M. Howser. 2,191,854; Feb. 27.
Attachment for shoe rounding and channeling machines, Feed modifying. T. E. Therriault. 2,191,779; Feb. 27.
Attachment for target traps. H. E. McKenzie. 2,191,618; Feb. 27.
Attic ventilation. L. C. Reed. 2,191,774; Feb. 27.
Auditory apparatus. A. G. Pohlman. 2,191,832; Feb. 27.
Automatic switch, Thermostatically actuated. W. Sattler. 2,191,588; Feb. 27.
Automobile door lock. E. C. Bode. 2,191,437; Feb. 27.
Axle, Automotive drive. R. C. Russell. 2,191,833; Feb. 27.
Azo compounds. A. R. Murphy and S. S. Rossander. 2,191,800; Feb. 27.
Back pressure valve. K. H. Swart. 2,191,778; Feb. 27.
Bag and handle. A. B. Fishwick. 2,192,131; Feb. 27.
Bags and the like, Method of and apparatus for making. A. Potdevin and P. Hunziker. 2,191,497; Feb. 27.
Bailer, Self-loading and unloading. H. D. Sandstone. 2,192,065; Feb. 27.
Balance. M. H. Van H. Battenberg. 2,191,635; Feb. 27.
Balls, Soilproofing tennis. J. B. Dickson and J. Herman. 2,192,071; Feb. 27.
Barrel for pencils, pens, or the like, Informative. L. Y. Huffaker. 2,191,662; Feb. 27.
Bathing cap. A. L. Hock. 2,192,080; Feb. 27.
Battery, Cart wheel. C. G. Haesloop. 2,191,651; Feb. 27.
Bauxite, Reactivating. O. Fitz Simons. 2,191,592; Feb. 27.
Bearing: *See*—
Shaft bearing.
Bearing. C. L. Eastburg. 2,191,880; Feb. 27.
Bearing. A. G. F. Wallgren. 2,191,901; Feb. 27.
Bearing lubrication. C. A. Brotherton. 2,191,876; Feb. 27.
Bearing member. J. H. Ballard and W. H. Spencer. 2,191,435; Feb. 27.
Bearing mounting. E. Dunford. 2,191,984; Feb. 27.
Belt tightener. A. E. Rogers. 2,191,626; Feb. 27.
Binder, Loose-leaf. J. Cooper and G. H. J. Baule. 2,191,707; Feb. 27.
Binder, Loose leaf. A. N. Hanna. 2,191,886; Feb. 27.
Binding to insoles, Applying. T. J. Doyle. 2,191,646; Feb. 27.
Bit: *See*—
Drill bit.
Blind cord-controlling organization, Venetian. S. R. Bond and H. K. Lorentzen. 2,192,002; Feb. 27.
Blind, Venetian. H. W. Watts. 2,191,602; Feb. 27.
Blocks, Making hollow glass building. H. H. Blau. 2,191,952; Feb. 27.
Board for derricks, Tubing handling. C. L. Deckard. 2,191,643; Feb. 27.
Boat, Automatic towing. L. A. Dunajeff. 2,191,879; Feb. 27.
Book, Check. W. R. Hotchkiss. 2,191,661; Feb. 27.
Bottle washer. W. P. Bigelow. 2,191,513; Feb. 27.
Bowling equipment. E. W. Brookfield. 2,191,439; Feb. 27.
Box: *See*—
Journal box.
Box. J. H. Carson. 2,191,517; Feb. 27.
Box. E. C. Mulnix. 2,191,723; Feb. 27.
Brake: *See*—
Liquid cooled brake. Trailer brake.
Speed controlled brake. Vehicle brake.
Brake. R. H. Bolster. 2,192,001; Feb. 27.
Brake. F. J. Buffa. 2,191,954; Feb. 27.
Brake. F. W. Burger. 2,192,004; Feb. 27.
Brake. R. A. Goepfrich. 2,191,987; Feb. 27.
Brake arrangement for six-wheel trucks. E. J. Simanek. 2,192,157; Feb. 27.
Brake mechanism. H. C. Morehouse. 2,191,769; Feb. 27.
Brake rigging. S. G. Down. 2,191,821; Feb. 27.
Braking apparatus. C. H. Nickell. 2,191,677; Feb. 27.
Braking mechanism. G. H. Hunt. 2,191,716; Feb. 27.
Braking system, Automatic. W. I. Weeks. 2,192,021; Feb. 21.
Breakwater. H. J. Humphrey. 2,191,924; Feb. 27.
Bridge operating mechanism. J. A. Dunford. 2,191,708; Feb. 27.
Bridging plug. W. T. Wells. 2,191,783; Feb. 27.
Brines, Recovery of usable values from. W. H. Farnsworth and C. H. Martin. 2,191,561; Feb. 27.
Bromates, Preparation of. C. H. Martin and E. C. Hardy. 2,191,574; Feb. 27.
Brush, Fingernail. M. R. Milarch. 2,191,721; Feb. 27.
Bucket operation, Dredge. H. M. Bird. 2,191,448; Feb. 27.
Building construction unit. A. F. O'Malley. 2,191,804; Feb. 27.

Bulb remover and installer, Electric. N. Y. Sosnik and E. C. Griffin. 2,191,593; Feb. 27.
Cable: *See*—
Electric cable.
Cake package. E. E. Engstrom. 2,191,610; Feb. 27.
Calculating machine. R. Hofgaard. 2,191,567; Feb. 27.
Calendar, Calculating. F. H. Hacker. 2,191,757; Feb. 27.
Calibrating device for valves. J. F. Cox. 2,192,069; Feb. 27.
Cap: *See*—
Bathing cap. Radiator filler cap.
Cap for chimneys, Vacuum. E. J. Artis. 2,191,948; Feb. 27.
Cap for tooth paste and similar tubes, Dispensing. R. A. Stubler. 2,192,020; Feb. 27.
Caps or closures, Making container. C. Hammer. 2,191,989; Feb. 27.
Car body. F. E. Maier. 2,191,572; Feb. 27.
Carburetor. F. W. Cloedy and H. A. Carlson. 2,191,905; Feb. 27.
Carburetor adapter, Dual. O. C. Betry. 2,192,067; Feb. 27.
Carriage, Baby. E. Hodaly. 2,191,760; Feb. 27.
Carriage for supporting trays. E. H. Pinto. 2,192,102; Feb. 27.
Carrier and development receptacle, Photographic film. R. Stuart. 2,191,508; Feb. 27.
Carrier current system. J. L. Woodworth. 2,192,061; Feb. 27.
Carton feeding mechanism. C. F. Richard. 2,191,586; Feb. 27.
Case: *See*—
Cigarette and vanity case.
Casting device. B. L. Hooper. 2,192,043; Feb. 27.
Casting press. H. F. Hagemeyer. 2,192,133; Feb. 27.
Catalyst and preparing the same. F. W. de Jahn. 2,191,981; Feb. 27.
Catalyst for use in preparing chlorine. F. W. de Jahn. 2,191,980; Feb. 27.
Catalysts in lump form, Preparing improved hydrogenation. C. L. Brown and W. H. Jones. 2,192,125; Feb. 27.
Catalytic surfaces, Actuating. M. H. Gwynn. 2,191,464; Feb. 27.
Cellular materials, Preparing. E. H. Haux. 2,191,658; Feb. 27.
Cellulose derivatives, Preparation of. J. Fleischer and W. A. Bailey, Jr. 2,191,525; Feb. 27.
Cellulosic articles, Plasticizing. F. M. Meigs. 2,191,896–7; Feb. 27.
Cellulosic structure and making the same. W. W. Heckert, 2,191,887; Feb. 27.
Cellulosic structure and producing same. F. M. Meigs. 2,191,894; Feb. 27.
Cellulosic structures, Plasticizing. F. M. Meigs. 2,191,895; Feb. 27.
Centrifugal pump. L. S. Sheldrick. 2,191,917; Feb. 27.
Chain: *See*—
Mooring chain.
Chain links, Forming. G. J. Campbell, Jr. 2,191,441; Feb. 27.
Chair: *See*—
Adjustable chair.
Chemical process and apparatus. J. L. Brill and R. W. Plummer. 2,192,124; Feb. 27.
Chilling machine. R. G. Ewer. 2,191,909; Feb. 27.
Chuck, Collet. A. H. Breitbarth and H. Anderson. 2,192,024; Feb. 27.
Cigarette and vanity case. R. Potishman. 2,191,680; Feb. 27.
Cigarette holder. J. Malicki. 2,191,672; Feb. 27.
Circuit: *See*—
Electric valve circuit.
Circuit breaker. T. Lindstrom. 2,192,046; Feb. 27.
Circuit breaker. H. H. Willmann. 2,192,059; Feb. 27.
Circuit breaker, Automatic. W. E. Jenkins. 2,191,665; Feb. 27.
Circuit breaker, Electric. L. J. Linde. 2,192,045; Feb. 27.
Circuit breaker, Enclosed. D. Ellis. 2,191,523; Feb. 27.
Circuit interrupter, Thermostatic. L. Schmidt. 2,191,501; Feb. 27.
Circuits, Vacuum tube. D. D. Robertson. 2,191,542; Feb. 27.
Classifier mechanism. C. H. Scott. 2,191,743–4; Feb. 27.
Clays, Activation of. W. S. Wilson. 2,192,000; Feb. 27.
Cleaner: *See*—
Vacuum cleaner.
Cleanser, Fabric. C. B. Preacher. 2,191,914; Feb. 27.
Clicking machine. J. F. Hardy. 2,191,655; Feb. 27.
Clipper, Hair. B. Strezoff. 2,192,054; Feb. 27.
Clock. E. E. Taliaferro. 2,191,976; Feb. 27.
Clock, Time. B. Moss. 2,191,770; Feb. 27.
Closure means. A. W. Wheaton. 2,191,902; Feb. 27.
Closure, Slide. D. I. Reiter. 2,192,017; Feb. 27.
Clutch: *See*—
Friction clutch.
Clutch control, Liquid automobile. R. H. Kress. 2,191,669; Feb. 27.
Clutch control mechanism. R. S. Sanford. 2,192,018; Feb. 27.
Clutch mechanism. P. E. Double. 2,191,983; Feb. 27.
Coating composition. R. T. Hucks. 2,191,530; Feb. 27.
Coating compositions. E. R. Allen, J. B. Bullitt, Jr., and H. H. Hopkins. 2,191,947; Feb. 27.
Coffee maker. J. W. Myers. 2,192,095; Feb. 27.
Coils, Method and apparatus for recoiling metal. A. F. R. Greer. 2,191,463; Feb. 27.
Cold producing plant. R. Hintze. 2,191,659; Feb. 27.
Combustion chamber in cylinder heads of internal combustion engines. J. A. H. Barkelj. 2,191,746; Feb. 27.
Compressor unloader. S. F. Evelyn. 2,191,908; Feb. 27.
Communication system, Multiplex. F. C. P. Henroteau. 2,191,565; Feb. 27.
Compartment, Corrugated ice. H. Giddings. 2,191,462; Feb. 27.
Condensation products, Production of water-soluble. R. Alles. 2,191,737; Feb. 27.
Condenser: *See*—
Electric condenser.
Connecting means to be used for tufting mattresses and similar operations. A. Fridolf. 2,192,161; Feb. 27.
Connector: *See*—
Electrical connector.
Connector device. S. Sutter. 2,191,871; Feb. 27.
Consistency responsive device. H. S. Harcourt. 2,192,039; Feb. 27.
Constant speed motor. A. S. Norcross. 2,192,051; Feb. 27.
Construction surfacing system. H. P. Ford. 2,191,461; Feb. 27.
Construction, Suspended. H. G. Bruehlman. 2,191,828; Feb. 27.
Container: *See*—
Ashtray feeder container.
Container. A. J. Chamberlain. 2,191,705; Feb. 27.
Container. M. H. Cline. 2,191,557; Feb. 27.
Container. W. H. Cook. 2,192,006; Feb. 27.
Container. G. D. Snyder. 2,191,506; Feb. 27.
Container, closure. E. S. Beardsley. 2,191,447; Feb. 27.
Container for merchandise. R. R. Lirette. 2,191,571; Feb. 27.
Control device. D. D. Wile. 2,192,117; Feb. 27.
Control mechanism. C. O. Pettijean. 2,192,016; Feb. 27.
Control mechanism for internal combustion engines. H. L. Duncan. 2,191,459; Feb. 27.
Control mechanism for liquid dispensing apparatus. J. A. Logan. 2,191,927; Feb. 27.
Control mechanism for refrigerating apparatus. C. B. Spangenberg. 2,191,966; Feb. 27.
Control system, Antihunting positional. G. F. Hill. 2,191,792; Feb. 27.
Control system for refrigerating apparatus. W. R. Miller. 2,191,967; Feb. 27.
Cooker, Pressure. P. W. Stephens. 2,191,975; Feb. 27.
Cooling tower. L. T. Mart. 2,191,938; Feb. 27.
Copper from alkaline solutions, Extracting. M. O. Schuermann and F. Gerstner. 2,192,154; Feb. 27.
Corn cracker and grader. J. A. Grow. 2,192,076; Feb. 27.
Counting apparatus, Printing telegraph. T. A. McCann. 2,191,798; Feb. 27.
Counting mechanism. K. C. Bugg. 2,191,877; Feb. 27.
Coupling: *See*—
Expansion coupling. Tube coupling.
T coupling.
Cover: *See*—
Furniture slip cover. Seat cover.
Match cover.
Cover and the like, Mattress. A. D. London. 2,191,963; Feb. 27.
Cover for seats of passenger vehicles, Slip-on. D. D. Coldren. 2,191,956; Feb. 27.
Covering for buildings. P. E. Knudsen and M. E. Toussaint. 2,191,668; Feb. 27.
Crane, Rotary. W. Dalton. 2,192,033; Feb. 27.
Cross head. H. E. Muchnic. 2,192,014; Feb. 27.
Cultivating implement, Adjustable. O. Hoffman. 2,191,741; Feb. 27.
Cups, Forming roller bearing. A. J. Schreiber. 2,191,916; Feb. 27.
Curler and method of assembly, Hair. W. Huppert. 2,192,134; Feb. 27.
Cycle. J. A. Hussy. 2,191,663; Feb. 27.
Cylinder for hydraulic brakes, Master. L. E. La Brie. 2,192,012; Feb. 27.
Cylindrical work, Milling. A. L. Stone. 2,191,777; Feb. 27.
Damper, Anti-back-draft. P. R. Jordan. 2,192,009; Feb. 27.
Demountable wheel. L. V. Pettinati. 2,192,064; Feb. 27.
Denaturant. H. M. Kvalnes. 2,192,136; Feb. 27.
Denaturant. J. C. Woodhouse. 2,192,119–20; Feb. 27.
Denatured materials. H. M. Kvalnes. 2,192,137; Feb. 27.
Derrick construction. L. A. Rawson. 2,191,681; Feb. 27.
Device for maintaining the bend of the tips of ski. L. Burch. 2,191,641; Feb. 27.
Device for measuring fuel consumption. H. J. Zimmermann. 2,191,552; Feb. 27.
Device for recoil control. R. H. S. Hughes. 2,192,081; Feb. 27.
Device for transferring liquids in vacuum. H. J. McCreary. 2,192,140; Feb. 27.
Device to modify the wave length range in radio sets. I. Filippa. 2,191,562; Feb. 27.
Di-(4-hydroxyphenyl)-dimethyl methane, Manufacture of. R. P. Perkins. 2,191,831; Feb. 27.
Dial feed mechanism. L. F. Peyser and R. C. Hansen. 2,191,806; Feb. 27.

Die. F. J. Dedrick. 2,191,709; Feb. 27.
Diethers of dimethylol urea and making same. B. E. Sorenson. 2,191,974; Feb. 27.
Differential. H. J. La Casse. 2,191,763; Feb. 27.
Differential, Needle bearing. R. P. Lewis. 2,192,088; Feb. 27.
Diphenyleneoxides, Biguanidino substituted. B. Puetzer. 2,191,860; Feb. 27.
Dipper for ice cream or other usage. W. H. Ellis. 2,191,524; Feb. 27.
Direction indicator. C. L. Otto, Jr. 2,192,148; Feb. 27.
Discharge apparatus. L. D. Miles. 2,192,047; Feb. 27.
Discharge device. H. J. Spanner. 2,191,507; Feb. 27.
Dish for animals, Food and water. C. R. Trampier, Sr. 2,191,811; Feb. 27.
Dispenser: *See*—
Toothpick dispenser.
Dispenser for fluent material. C. McVicker. 2,191,928; Feb. 27.
Dispensing device. J. A. Stadtfeld. 2,191,918; Feb. 27.
Display apparatus. F. C. Wood. 2,191,701; Feb. 27.
Display device. G. de Verry. 2,191,457; Feb. 27.
Displaying, draining, and crushing apparatus for tin cans and the like. D. A. McCowan. 2,191,488; Feb. 27.
Distortion and carrier shift correction system. L. M. Craft. 2,191,454; Feb. 27.
Door closer and check. W. L. Sheppard. 2,192,156; Feb. 27.
Door construction, Sliding. G. J. Hopkins. 2,192,063; Feb. 27.
Drain. R. H. Shenk. 2,191,686; Feb. 27.
Drill: *See*—
Rock drill.
Drill bit. P. H. Nast. 2,191,491; Feb. 27.
Drill bit. J. L. Reilly. 2,191,493; Feb. 27.
Drilling implement. P. H. Nast. 2,191,492; Feb. 27.
Drive, Power take-off. B. Nightenhelser and J. Ballard. 2,192,146; Feb. 27.
Drive, Variable speed. O. I. Judelshon. 2,191,531; Feb. 27.
Duct, Bus. M. J. De Mask. 2,191,645; Feb. 27.
Dumping mechanism for truck bodies. W. F. Ehrick and R. A. Garverick. 2,192,128; Feb. 27.
Duplicating band. J. Bjorksten. 2,191,514; Feb. 27.
Dyes compounds, Polyazo. A. R. Murphy and S. S. Rossander. 2,191,801; Feb. 27.
Dyes, Basic triarylmethane. W. Müller and W. Schepss. 2,191,674; Feb. 27.
Dyeings, Producing fast. F. Ebel and K. Koeberle. 2,192,127; Feb. 27.
Dyestuffs, Acid diamino-triphenyl-methane. P. H. Wolff, H. Moehrke, and G. Schäfer. 2,192,118; Feb. 27.
Dyestuffs and dyeing textile materials therewith, Manufacture of azo. H. Krzikalla and W. Alt. 2,191,824; Feb. 27.
Dyestuffs, Azo. R. Fleischhauer and A. Müller. 2,191,823; Feb. 27.
Dyestuffs, Azo. H. Roos. 2,192,153; Feb. 27.
Dynamo electric machinery. D. O. Sproule. 2,191,809; Feb. 27.
Earth formations, Sealing. A. C. Hamilton, Jr. 2,191,652; Feb. 27.
Easel. S. L. Dearing. 2,191,755; Feb. 27.
Electric cable, High tension. T. R. Scott and R. C. Mildner. 2,191,995; Feb. 27.
Electric condenser. C. W. Hansell, G. L. Usselman, and C. W. Latimer. 2,192,062; Feb. 27.
Electric generator. W. Glakes and H. A. G. Hazeu. 2,192,073; Feb. 27.
Electric motor, Variable speed. R. C. Upton. 2,191,872; Feb. 27.
Electric switch. J. R. Caldwell. 2,191,878; Feb. 27.
Electric switch. L. W. Cook. 2,192,031; Feb. 27.
Electric switch. G. H. Porter. 2,191,859; Feb. 27.
Electric valve circuit. E. J. Remscheid. 2,192,052; Feb. 27.
Electric wave amplifying system. J. O. Smethurst. 2,191,547; Feb. 27.
Electrical connector. A. E. Caldwell. 2,192,165; Feb. 27.
Electrical control apparatus. K. H. Conley. 2,191,816; Feb. 27.
Electrical transmitting means for speaking announcements. A. Findlay. 2,191,612; Feb. 27.
Electron beam device. G. F. Metcalf. 2,192,049; Feb. 27.
Electron discharge device. W. H. Aldous. 2,191,903; Feb. 27.
Electron discharge tube. B. O. M. Gall and J. B. Hugenholtz. 2,191,884; Feb. 27.
Engine: *See*—
Internal combustion engine.
Engine. C. F. Bachle. 2,191,639; Feb. 27.
Engine intake attachment. L. Meckl. 2,191,940; Feb. 27.
Engines, Attachment for internal combustion. G. H. Meiser. 2,191,968–70; Feb. 27.
Envelopes, Manufacture of window. F. L. Smithe and A. Novick. 2,191,505; Feb. 27.
Esters of acrylic acid, Polymerizing lower alkyl. J. W. C. Crawford and J. McGrath. 2,191,520; Feb. 27.
Evaporator. S. Long. 2,192,089; Feb. 27.
Exercising device. M. E. Painter. 2,191,698; Feb. 27.
Expansion coupling. C. Mueller. 2,192,048; Feb. 27.
Eyeshield. G. Miller, Jr. 2,192,092; Feb. 27.
Fabric: *See*—
Knitted fabric. Textile fabric.
Fabrics, Making. W. E. Reed. 2,191,682; Feb. 27.
Fabrics, Manufacture and treatment of textile. R. J. Mann and A. Mellor. 2,191,534; Feb. 27.
Facsimile recorder. H. Shore. 2,191,867; Feb. 27.
Fastener: *See*—
Sliding clasp fastener. Stopper fastener.
Fastener. H. W. Kost. 2,192,087; Feb. 27.
Fastener. C. G. Olson. 2,191,771; Feb. 27.
Fastener. B. C. Place. 2,191,773; Feb. 27.
Fastener. G. A. Tinnerman. 2,192,160; Feb. 27.
Fastener for grass catching baskets for lawn mowers. E. E. Wessock. 2,191,601; Feb. 27.
Fastening means. G. A. Tinnerman. 2,191,689; Feb. 27.
Fastening means. G. A. Tinnerman. 2,191,780; Feb. 27.
Feeding device for typewriters, Carbon. B. J. Bennett. 2,191,554; Feb. 27.
Fender tool. C. W. Meinhardt. 2,191,720; Feb. 27.
Ferrule. C. Nicholson. 2,192,097; Feb. 27.
Ferrule for an umbrella stick and the like. M. Harris. 2,192,040; Feb. 27.
Fiber, Treatment of staple. F. Schneider, H. Altgelt, and W. Neugebauer. 2,191,977; Feb. 27.
Film and process, Multicolor. V. B. Sease and J. R. Weber. 2,191,502; Feb. 27.
Film developing machine. A. L. V. C. Debrie. 2,191,850; Feb. 27.
Firearms, Device for varying the amount of recoil in. R. H. S. Hughes. 2,191,484; Feb. 27.
Fitting, Bypass. O. P. Yowell. 2,191,702; Feb. 27.
Flat surfaces, Milling. R. S. Drummond. 2,191,559; Feb. 27.
Flexible metal tube. E. Witzenmann. 2,191,690; Feb. 27.
Float switch. G. W. Heindel. 2,191,758; Feb. 27.
Fluid control mechanism. B. Hoffmann. 2,192,042; Feb. 27.
Fluid control valve. P. K. Saunders. 2,191,863; Feb. 27.
Fluid pressure generation. R. M. Nardone. 2,191,676; Feb. 27.
Fluids, Cooling. H. G. Schaefer. 2,191,864; Feb. 27.
Fluorination process. T. Midgley, Jr., and A. L. Henne. 2,192,143; Feb. 27.
Foldable table. F. F. O'Toole. 2,191,772; Feb. 27.
Food composition, Canned. J. F. Walsh and A. L. Rawlins. 2,191,509; Feb. 27.
Food process and product. M. G. Snelling. 2,191,835; Feb. 27.
Frame support. A. J. Wier. 2,191,637; Feb. 27.
Friction clutch. G. Carwardine. 2,191,846; Feb. 27.
Fruit, Treating. J. J. Holzman. 2,191,695; Feb. 27.
Fruits and vegetables, Treating. W. E. Baier. 2,191,553; Feb. 27.
Fuel supply mechanism for gasoline stoves. G. E. Pickup. 2,191,727; Feb. 27.
Furnace: *See*—
Steel smelting furnace.
Furnace. W. R. Breeler. 2,191,438; Feb. 27.
Furnace for burning fuel consisting of combustible and incombustible material. J. E. Greenawalt. 2,191,712; Feb. 27.
Furniture slip cover. P. Trubitz. 2,191,633; Feb. 27.
Fuse, Electric. H. Jaedike. 2,191,793; Feb. 27.
Game apparatus. T. A. Lloyd. 2,191,991; Feb. 27.
Game apparatus. M. E. Minger. 2,192,096; Feb. 27.
Game apparatus. H. E. Williams. 2,191,735; Feb. 27.
Gantry, Collapsible. B. Jacoby and J. M. Quigley. 2,191,696; Feb. 27.
Garment hanger. R. Gustin. 2,191,714; Feb. 27.
Gas discharge tube. H. Kniepkamp. 2,192,162; Feb. 27.
Gas main or the like, Locating leaks in a. E. F. Schuldt. 2,192,155; Feb. 27.
Gases, Utilizing combustion. C. A. and A. R. Dunham. 2,191,985; Feb. 27.
Gaseous discharge device, Controlled. P. L. Spencer. 2,191,594; Feb. 27.
Gaseous discharge device, Magnetically controlled. P. L. Spencer. 2,191,595; Feb. 27.
Gauge: *See*—
Liquid volume gauge. Water gauge.
Gear: *See*—
Landing gear.
Gear for radio receiving sets, Tuning. L. Kamenarović. 2,192,084; Feb. 27.
Generator: *See*—
Electric generator.
Glass, Method of and apparatus for delivering and gathering. A. F. Tremblay. 2,191,733; Feb. 27.
Glass sands, Using grinding. J. R. Jones. 2,191,962; Feb. 27.
Grain-sorting machine. F. B. Bloc. 2,191,843; Feb. 27.
Grinder. L. J. Wahl. 2,191,600; Feb. 27.
Grinder, Automatic strip. H. M. Brown. 2,191,814; Feb. 27.
Grinding machine. P. Koster. 2,191,617; Feb. 27.
Ground meat mold. R. C. Ziringer. 2,191,921; Feb. 27.
Guard, Automotive, Vehicle. F. R. Cataldo. 2,191,751; Feb. 27.
Halides, Quaternary methallyl ammonium. H. A. Bruson. 2,191,922; Feb. 27.

Hammer attachment, Electric. C. B. Coates. 2,191,608; Feb. 27.
Handbag and making the same, Lady's. J. Kaplan. 2,192,010; Feb. 27.
Handles of steel tube in forks, spades, or other implements, Arrangement for fixing. F. Stahl. 2,191,998; Feb. 27.
Hanger: *See*—
Garment hanger.
Hard alloy. C. W. Balke, F. L. Hunter, Jr., and R. A. Haskell. 2,191,446; Feb. 27.
Harrow, Disk. S. J. Miller. 2,191,537; Feb. 27.
Hat holder. H. Epstein. 2,191,934; Feb. 27.
Hatch cover for ships, Insulated. C. W. King. 2,192,135; Feb. 27.
Heat exchange unit. E. S. Cornell, Jr. 2,191,519; Feb. 27.
Heat sensitive device, Radiant. R. A. Beveridge. 2,191,640; Feb. 27.
Hinge. W. R. Smith. 2,191,632; Feb. 27.
Holder: *See*—
Cigarette holder.
Hat holder.
Thermometer holder.
Holder for electric irons. W. H. Gey. 2,191,649; Feb. 27.
Holder for vehicles, Spring. F. B. Hewel. 2,191,528; Feb. 27.
Hone. S. E. Ordal. 2,191,994; Feb. 27.
Hook and bolt, Combining. A. H. Hatchette. 2,191,852; Feb. 27.
Hop extract. Preparation of. L. A. F. von Horst. 2,191,838; Feb. 27.
Horseshoe pad, Elastic. D. B. Slack. 2,191,834; Feb. 27.
Hose and reel means, Fluid supply. T. E. Purcell and I. E. Church. 2,191,728; Feb. 27.
Hose connection, Air. J. J. Nelson. 2,191,579; Feb. 27.
Hose retriever. H. C. Sommer. 2,191,973; Feb. 27.
Hydraulic operator. D. R. Hillis. 2,191,888; Feb. 27.
Hydrocarbon, Producing synthetic. J. E. Harvey, Jr. 2,191,466; Feb. 27.
Hydrocarbons, Manufacture of. B. W. Whitehurst. 2,191,510; Feb. 27.
Hydrogen-ion concentration, Determination of. E. G. Bennett. 2,192,123; Feb. 27.
Hydroxythioethers and producing same. C. Graenacher and R. Sallmann. 2,191,564; Feb. 27.
Ice shaving machine. A. C. Gray. 2,191,756; Feb. 27.
Indexing and finding means for sound recording and reproducing machines. W. L. Woolf. 2,191,691; Feb. 27.
Indicator: *See*—
Direction indicator.
Indicator for watt-hour meters, Magnetic. C. F. Whiteman and W. A. Halliday. 2,192,058; Feb. 27.
Ink, Factice-containing printing. T. C. Whitner, Jr. 2,191,603; Feb. 27.
Insulation, Electrical. P. Nowak, H. Hofmeier, and C. Tobis. 2,191,580; Feb. 27.
Insulation, Electrical. G. Pohler. 2,191,584; Feb. 27.
Internal combustion engine. J. A. H. Barkelj. 2,191,745; Feb. 27.
Internal combustion motor. A. D. Adams, Jr. 2,191,638; Feb. 27.
Iron articles, Manufacture of porous. F. V. Lenel. 2,191,936; Feb. 27.
Ironing press. N. H. Watts. 2,192,057; Feb. 27.
Journal box. H. J. Horn. 2,191,761; Feb. 27.
Keyboard, Transposing. E. L. Hanson, Jr. 2,192,077; Feb. 27.
Kit, Battery servicing. J. C. Thomas. 2,191,837; Feb. 27.
Knitted fabric. R. E. Davis, Jr. 2,191,456; Feb. 27.
Knitted fabric. H. Fleisher. 2,191,883; Feb. 27.
Knitted fabric. H. McAdams. 2,192,090; Feb. 27.
Lamp: *See*—
Vehicle head lamp.
Lamp structure, Bicycle. W. C. Crimmins. 2,191,932; Feb. 27.
Landing gear. C. G. Seyferth. 2,191,866; Feb. 27.
Latch: *See*—
Vehicle door latch.
Latch operator, Flush type. E. B. Young. 2,191,784; Feb. 27.
Latch structure, Automobile door. H. W. Rightmyer. 2,192,105; Feb. 27.
Lathe, Crankshaft. W. F. Groene. 2,191,935; Feb. 27.
Lather producing machine. A. B. Campbell. 2,191,450; Feb. 27.
Lattice. H. Hill and D. O. Furr. 2,191,566; Feb. 27.
Leather finish. H. J. Haon. 2,191,654; Feb. 27.
Lehr stacker for glassware. O. Shackelford. 2,191,591; Feb. 27.
Lice exterminator, Poultry. H. J. Smith. 2,191,548; Feb. 27.
Lighting fixture. L. Schepmoes. 2,192,019; Feb. 27.
Lignin-containing press mass, Manufacture of. H. Burmeister. 2,192,030; Feb. 27.
Liquid cooled brake. J. H. Wilson. 2,191,604; Feb. 27.
Liquid dispensing apparatus. F. W. Sturm. 2,191,870; Feb. 27.
Liquid level controller. G. W. Stetson. 2,191,700; Feb. 27.
Liquid volume gauge. C. Knobloch. 2,191,533; Feb. 27.
Lock: *See*—
Automobile door lock.
Time delay lock.
Lock. L. S. Collins. 2,191,931; Feb. 27.
Locking device. E. G. Wise. 2,192,060; Feb. 27.
Locomotives, Stoking. W. T. Hanna. 2,191,653; Feb. 27.
Loom for the making of knotted rugs, Automatic. A. Beretvás. 2,192,029; Feb. 27.
Lubricant composition, Solid. E. V. Murphree and W. J. Sweeney. 2,191,675; Feb. 27.
Lubricated tank valve. R. Clade. 2,191,815; Feb. 27.
Lubricator device, Journal. J. J. Hennessy. 2,191,468; Feb. 27.
Machine for finishing rubber valve stems. P. Michel. 2,191,536; Feb. 27.
Machine for making insulation. W. F. Astley. 2,191,875; Feb. 27.
Machine for the molding or casting under pressure of metals. J. de Sternberg. 2,191,789; Feb. 27.
Machine for the purpose of destroying the pink bollworm in cottonseeds. R. E. McDonald and G. J. Scholl. 2,191,893; Feb. 27.
Machine for use in making boxes. A. L. Rosenmund. 2,191,684; Feb. 27.
Machinery for making window envelopes. A. Novick. 2,191,490; Feb. 27.
Magnesium products, Preparation of. W. H. Farnsworth and C. H. Martin. 2,191,560; Feb. 27.
Magnetic properties of ferrous alloys, Improving the. O. Dahl and F. Pawlek. 2,192,032; Feb. 27.
Manganese ore, Treatment of. T. B. Albin. 2,191,819; Feb. 27.
Marker, Tree. J. R. Schramm. 2,191,808; Feb. 7.
Match cover, Safety. J. A. and A. E. Santana. 2,192,053; Feb. 27.
Material, Surface covering. N. P. Harshberger and S. A. Ochs. 2,191,465; Feb. 27.
Materials of different specific gravities, Separation of solid. A. Pearson. 2,191,805; Feb. 27.
Mattress. W. W. Hoagland. 2,191,889; Feb. 27.
Measuring and control apparatus. F. W. Side. 2,191,997; Feb. 27.
Measuring and control apparatus. W. P. Wills. 2,192,022; Feb. 27.
Meat-slitting machine. J. P. Spang. 2,191,732; Feb. 27.
Mechanical movement. H. Schlachter. 2,191,865; Feb. 27.
Mechanism, Enclosed. A. Langsner. 2,192,138; Feb. 27.
Mercapto-benzothiazoles, Preparing cyclohexyl- and benzylamino. M. W. Harman. 2,191,657; Feb. 27.
Metal articles, Manufacture of. R. K. Hopkins. 2,191,475; Feb. 27.
Metal articles, Manufacturing composite. R. K. Hopkins. 2,191,474; Feb. 27.
Metal articles, Manufacturing composite. R. K. Hopkins 2,191,481–2; Feb. 27.
Metal bodies, Manufacturing cast. R. K. Hopkins. 2,191,477; Feb. 27.
Metal structures, Brazing of thin. L. W. Shutts and P. S. Rosenberg. 2,191,631; Feb. 27.
Metals, Bonding dissimilar. C. E. Swartz and E. J. Dockstetter. 2,191,598; Feb. 27.
Metallic surfaces, Veneering of. R. K. Hopkins. 2,191,469; Feb. 27.
Mill plate resharpening machine. J. C. H. Leon. 2,191,764; Feb. 27.
Milling products, Method and composition for improving. F. H. Penn. 2,192,099–100; Feb. 27.
Mirror, Dental mouth. A. P. Preston. 2,192,103; Feb. 27.
Mixing apparatus. J. S. Leedy. 2,191,830; Feb. 27.
Mold: *See*—
Ground meat mold.
Mold making, Sand. J. L. Skates. 2,191,687; Feb. 27.
Molding composition and process of forming, Urea-formaldehyde. R. W. Belfit. 2,191,949; Feb. 27.
Molding composition and process of making, Urea-formaldehyde. A. M. Howald. 2,191,960; Feb. 27.
Molding machine. D. J. Campbell. 2,191,451; Feb. 27.
Molding machine. A. C. and W. W. Collins. 2,191,847; Feb. 27.
Molding machine, Plastic extrusion. W. Ernst and I. B. Lawyer. 2,191,882; Feb. 27.
Molybdenum, Recovery of. H. Käding. 2,191,794; Feb. 27.
Mooring chain, Anchor equipped. G. I. Middlebrooks. 2,191,856; Feb. 27.
Motion translating device, Rotary. A. B. Poole. 2,191,538–41; Feb. 27.
Motor: *See*—
Alternating current commutator motor.
Constant speed motor.
Electric motor.
Internal combustion motor.
Motor vehicle. H. A. Flogaus. 2,191,526; Feb. 27.
Mounting: *See*—
Bearing mounting.
Mounting for illuminated globes. E. A. Peterson. 2,192,149; Feb. 27.
Mounting for swinging closures. G. Pariot. 2,191,900; Feb. 27.
N-dihydro-azine compounds of the anthraquinone series and preparing them. G. Kränzlein, E. Diefenbach, and F. Eggert. 2,191,855; Feb. 27.

Needle for knitting machines, Independent. A. E. Page. 2,192,098; Feb. 27.
Needle valve, Interior differential. P. A. Kinzie and G. J. Hornsby. 2,191,532; Feb. 27.
Nickel from an acid bath, Electrodeposition of. H. Brown. 2,191,813; Feb. 27.
Nitrogen compounds and preparing them, Quaternary. G. Balle and K. Horst. 2,191,978; Feb. 27.
Nitrogenous condensation products of the anthrone series, Producing. H. Scheyer and E. Schwamberger. 2,191,685; Feb. 27.
Nut for stringed musical instruments. E. A. Schreiber. 2,191,776; Feb. 27.
Oil composition and making, Mineral. O. M. Reiff. 2,191,498; Feb. 27.
Oil, Extracting. A. L. Davis and L. H. Bartlett. 2,191,455; Feb. 27.
Oil, Lubricating. B. H. Shoemaker and C. M. Loane. 2,191,996; Feb. 27.
Oil retainer with combined diaphragm and outer metal seal. J. B. Victor. 2,191,873; Feb. 27.
Oils by cold fractionation, extraction, and synthesis, Production of high quality lubricating. C. L. Ocón. 2,191,972; Feb. 27.
Oils, Treating mineral. W. B. McCluer and M. R. Fenske. 2,191,767; Feb. 27.
Oiler and support, Sharpening stone. W. A. Kuhlman. 2,191,719; Feb. 27.
Organ. J. H. Wick. 2,191,734; Feb. 27.
Packing for stuffing boxes or the like, Producing a. C. M. Roe. 2,191,807; Feb. 27.
Packing retainer. M. H. Gorman. 2,191,851; Feb. 27.
Pad: *See*—
Horseshoe pad.
Paper filler and making the same. H. D. Meincke. 2,191,575; Feb. 27.
Paper machine, Cylinder. W. Thaler. 2,191,999; Feb. 27.
Parachute and safety harness apparatus. F. Smith. 2,192,109; Feb. 27.
Parachute apparatus. L. L. Irvin. 2,192,083; Feb. 27.
Parachute apparatus. G. Waite. 2,192,113; Feb. 27.
Percolator strapper machine. J. W. Ross and F. L. Crosbie. 2,192,106; Feb. 27.
Phenol and making it, Petroleum wax alkylated. O. M. Reiff. 2,191,499; Feb. 27.
Phonograph structure. H. T. Roberts. 2,191,729; Feb. 27.
Photoengraving. W. S. Marx. 2,191,939; Feb. 27.
Photographic silver halide emulsions, Sensitizing. R. Stevens. 2,191,810; Feb. 27.
Piano, Horizontal. W. M. Day and F. Huettemann. 2,191,443; Feb. 27.
Piano string bridging device. W. R. Kuzelka. 2,191,487; Feb. 27.
Pile driver, Portable and collapsible. B. V. Millam. 2,192,091; Feb. 27.
Pipe fitting. C. G. Newton. 2,191,724; Feb. 27.
Pipe sewer rod. A. P. Kjerulff. 2,192,086; Feb. 27.
Pipe working tool. A. S. Gould, W. M. Emery, and R. E. Hyde. 2,191,692; Feb. 27.
Pit apparatus, Drop. F. Fones. 2,191,710; Feb. 27.
Plane construction. J. F. O'Bryne. 2,191,679; Feb. 27.
Plaster grounds, Making. W. S. Edge. 2,191,647; Feb. 27.
Plow. C. G. Strandlund. 2,191,929; Feb. 27.
Plug: *See*—
Bridging plug.
Pole, Adjustable clothes. H. C. Hansen. 2,192,038; Feb. 27.
Polyamides. W. H. Carothers. 2,191,556; Feb. 27.
Polymerization and condensation process catalyzed by means of dihydroxyfluoboric acid and dihydroxyfluoboric acid-boron fluoride addition compounds. J. A. Nieuwland and F. J. Sowa. 2,192,015; Feb. 27.
Porous structures, Making. J. F. T. Berliner. 2,191,555; Feb. 27.
Portable welder support. A. D. Jardine and H. V. Beronius. 2,191,912; Feb. 27.
Pose reflecting system. L. G. Simjian. 2,192,158–9; Feb. 27.
Position indicating device for a movable body. H. E. Sjostrand. 2,191,730; Feb. 27.
Pottery ware, Method and apparatus for manufacturing. W. J. Miller. 2,191,857; Feb. 27.
Press: *See*—
Casting press.
Ironing press.
Pressure compensator for gun perforators. G. F. Turechek. 2,191,781; Feb. 27.
Pressure control valve. T. R. Peters and O. L. Mulloy. 2,191,726; Feb. 27.
Pressure regulating valve. C. B. McElwaine. 2,192,141; Feb. 27.
Printer slotter. H. B. Greenwood. 2,191,988; Feb. 27.
Printing mechanism for multiple-record recorders. F. Moore. 2,191,673; Feb. 27.
Printing plates, Method and apparatus for producing. E. J. Tilton. 2,191,945; Feb. 27.
Prop, Pit. W. Hinselmann and C. Tiefenthal. 2,192,079; Feb. 27.
Propeller blades, Manufacture of. E. F. Gehret. 2,192,008; Feb. 27.
Propeller, Variable pitch. I. H. Driggs. 2,192,034; Feb. 27.
Protective system. B. D. Bedford. 2,192,028; Feb. 27.
Pulley for spinning frames, Tape tensioning. G. B. Nutting. 2,192,147; Feb. 27.
Pump: *See*—
Centrifugal pump.
Pump. T. R. Rymal. 2,191,861; Feb. 27.
Punch, Self-cleaning. D. E. Stromberg and J. E. Carlson. 2,191,836; Feb. 27.
Pyridinium compounds, Manufacture of. V. Kartaschoff and W. Steinemann. 2,192,085; Feb. 27.
Rack: *See*—
Tumbler rack.
Radiator filler cap. R. S. Frantz. 2,191,614; Feb. 27.
Radiator of a motor vehicle engine, Cooling the. V. Valletta. 2,191,599; Feb. 27.
Radiator overflow regulator. J. E. Eshbaugh and N. Walker. 2,191,611; Feb. 27.
Radiator overflow valve. N. Walker. 2,191,636; Feb. 27.
Recoil absorber for firearms. N. J. A. Galliot and J. A. V. A. Chable. 2,191,648; Feb. 27.
Rectifier. R. Urtel. 2,191,634; Feb. 27.
Reel. F. B. McQuiston. 2,191,489; Feb. 27.
Refining. G. Thayer. 2,191,919; Feb. 27.
Refrigerating apparatus. D. L. Kaufman. 2,191,925; Feb. 27.
Refrigerating apparatus. L. A. Philipp. 2,191,623; Feb. 27.
Refrigerating plant comprising piston operated compressor. O. Zehnder. 2,191,605; Feb. 27.
Refrigeration. L. F. Clerc. 2,191,518; Feb. 27.
Refrigeration. H. M. Ullstrand. 2,191,550–1; Feb. 27.
Refrigeration apparatus. D. P. Heath. 2,191,715; Feb. 27.
Refrigeration control system. W. L. McGrath. 2,191,965; Feb. 27.
Register drive, Compensated. W. H. Marsh. 2,191,766; Feb. 27.
Register mechanism. G. J. Grizey. 2,191,616; Feb. 27.
Regulator: *See*—
Radiator overflow regulator.
Regulator for air-conditioning systems, Air-flow. H. E. Durst. 2,192,007; Feb. 27.
Relay system for eliminating direct-current effects of transients. R. D. Evans. 2,192,035; Feb. 27.
Repelling device. P. A. Hunicke. 2,192,082; Feb. 27.
Reproducer for sound films. O. K. Kolb. 2,191,795; Feb. 27.
Reproduction of a design, Creating a marginally reduced. O. R. Huggins. 2,191,483; Feb. 27.
Reseating tool. H. D. Waters. 2,192,116; Feb. 27.
Resin and process of making, Licanic acid. A. E. Rheineck and B. Rabin. 2,192,152; Feb. 27.
Resins, Polyether. H. S. Rothrock. 2,191,587; Feb. 27.
Resins, Preparation of fusible ketone-aldehyde synthetic. E. E. Novotny and G. K. Vogelsang. 2,191,802; Feb. 27.
Resins, Use of synthetic. E. L. Holmes. 2,191,853; Feb. 27.
Resinous composition and preparing same. D. E. Edgar and P. Robinson. 2,191,957; Feb. 27.
Resinous compositions and electrical conductors coated with the same, Insulating. P. Nowak and T. Triantaphyllides. 2,191,581; Feb. 27.
Resinous product, Urea-formaldehyde type. C. Ellis. 2,192,129; Feb. 27.
Respirator. E. A. Moore. 2,192,093; Feb. 27.
Retainer for yarn packages. G. A. Vlaszac. 2,192,111; Feb. 27.
Retort for char kilns. J. C. Wakefield. 2,191,920; Feb. 27.
Road building apparatus. H. I. Crowder. 2,192,027; Feb. 27.
Rock drill. H. M. Stephens. 2,191,699; Feb. 27.
Rocket. R. Zwerina. 2,191,841; Feb. 27.
Rod: *See*—
Pipe sewer rod.
Roof, Flat. C. R. Eckert. 2,191,522; Feb. 27.
Roofing. J. Dubreuil. 2,191,933; Feb. 27.
Rope, Making striped rubber. J. H. Johnson. 2,191,829; Feb. 27.
Rubber article. J. J. Galligan. 2,191,910; Feb. 27.
Rubber composition, Age resisting. J. R. Ingram. 2,191,664; Feb. 27.
Rubber product, Chlorinated. J. P. Baxter and L. T. Dod. 2,191,748; Feb. 27.
Safety mechanism for firearms. H. L. Crockett. 2,191,521; Feb. 27.
Sand under water, Depositing of. A. E. Bretting. 2,191,845; Feb. 27.
Sash balance. L. Hirsh. 2,191,959; Feb. 27.
Screw, Self-locking valve tappet. C. W. Shaw. 2,191,944; Feb. 27.
Scrubbing device. M. Carvalho. 2,191,642; Feb. 27.
Seat cover. R. A. and J. F. Cramer. 2,191,848; Feb. 27.
Seat cover. R. A. and J. F. Cramer. 2,192,070; Feb. 27.
Seat or table, Multipurpose. D. Clarke. 2,191,752; Feb. 27.
Sediment remover. E. G. Ware. 2,192,115; Feb. 27.
Sewing machines, Take-up for. S. Zonis. 2,191,736; Feb. 27.
Shaft bearing. G. F. Le Bus. 2,191,890; Feb. 27.
Sharpener, Universal. A. Primak. 2,191,899; Feb. 27.
Shears and the like. C. J. Bath. 2,191,826; Feb. 27.

Sheet feeding and delivery device for cylinder printing presses, Automatic. A. Büttner. 2,192,068; Feb. 27.
Sheet feeding device. G. Spiess. 2,191,596–7; Feb. 27.
Shield. B. Y. Sacks. 2,191,589; Feb. 27.
Shield, Light. C. H. Low. 2,191,937; Feb. 27.
Ship's hull. W. P. Baker. 2,191,904; Feb. 27.
Shock absorber for fluid pressure lines. J. R. Jordan. 2,191,990; Feb. 27.
Shock absorber, Hydraulic. E. F. Rossman, H. O. Fuchs, and R. B. Burton. 2,191,942; Feb. 27.
Shoe attachment. C. A. Cavey, H. M. Copin, A. V. Hill, and H. C. Hunt. 2,191,442; Feb. 27.
Shoe heel and shank. S. Caplan. 2,192,026; Feb. 27.
Shoes, Making. C. H. Daniels. 2,191,906; Feb. 27.
Shoetree. A. R. Anderson. 2,191,785; Feb. 27.
Shovel, Drag. J. A. Kubsel. 2,191,569; Feb. 27.
Shutter for dispensing pumps. W. L. Marden. 2,191,802; Feb. 27.
Sifter. T. G. Cecka. 2,191,923; Feb. 27.
Sign. A. Metreger. 2,192,163; Feb. 27.
Signal: *See*—
  Tactual signal.
Signal controlling means. R. E. Frost. 2,191,563; Feb. 27.
Signal device, Electropneumatic. R. R. Stevens. 2,191,825; Feb. 27.
Signal means usable by golf players. T. J. Roberts. 2,191,683; Feb. 27.
Silencer, Exhaust. L. E. Muller. 2,191,619; Feb. 27.
Silencer, Resonator. L. E. Muller. 2,191,620; Feb. 27.
Sintering. J. E. Greenawalt. 2,191,911; Feb. 27.
Sipper. F. C. Hamilton. 2,192,036–7; Feb. 27.
Ski binding. A. Attenhofer. 2,192,066; Feb. 27.
Sliding clasp fastener. M. Winterhalter. 2,191,874; Feb. 27.
Slotter for tires, Automatic. W. F. Errig and G. M. Pfundt. 2,192,130; Feb. 27.
Sludge formation, Prevention of. S. Karrer and O. W. Lusby. 2,191,486; Feb. 27.
Solder, Wiping. G. S. Phipps and E. E. Schumacher. 2,191,624; Feb. 27.
Sole plate. H. M. Pierce and J. H. Hermson. 2,192,150; Feb. 27.
Speed controlled brake. C. C. Farmer. 2,191,822; Feb. 27.
Spindle, Doorknob. E. W. Ericsson. 2,191,613; Feb. 27.
Spinning device. C. T. Pastor. 2,191,583; Feb. 27.
Spiral spring. L. C. Peskin. 2,192,101; Feb. 27.
Splicer, Wire. H. Ruskin. 2,191,544; Feb. 27.
Split unit. A. L. N. Fleming. 2,191,444; Feb. 27.
Spool for films, Box shaped. A. L. V. C. Debrie. 2,191,849; Feb. 27.
Spotlight. L. E. O. Walker. 2,192,114; Feb. 27.
Spring: *See*—
  Spiral spring.
Spring for piston rings. E. G. Malpas. 2,191,697; Feb. 27.
Spring suspension. F. M. Reid. 2,191,941; Feb. 27.
Stairway, Portable sectional. R. E. Reynolds. 2,192,151; Feb. 27.
Stamp printing, Automatic postage. A. R. Kivialho and T. P. Koljonen. 2,191,667; Feb. 27.
Staple. W. M. Stone. 2,191,869; Feb. 27.
Steam purifying apparatus. M. H. Kuhner. 2,191,671; Feb. 27.
Steel member, Structural. T. Collins. 2,191,788; Feb. 27.
Steel smelting furnace. A. Schack. 2,192,108; Feb. 27.
Steels and electrical resistance elements. R. Franks. 2,191,790; Feb. 27.
Steering mechanism for motor vehicles. R. C. Howell. 2,191,961; Feb. 27.
Stencil sheet. W. O. Snelling. 2,191,731; Feb. 27.
Sterilization. W. H. McKenna. 2,191,799; Feb. 27.
Sterilizer. H. L. Vrusho. 2,192,112; Feb. 27.
Stick, Clothes. W. F. Heuer. 2,191,527; Feb. 27.
Stockings, Method of and apparatus for knitting. R. K. Mills. 2,191,577; Feb. 27.
Stop for separable fasteners, End. D. Marinsky. 2,192,013; Feb. 27.
Stopper fastener. H. C. Warren. 2,191,812; Feb. 27.
Stopper for the storing of sterile liquids, Bottle. N. M. Nesset. 2,191,495; Feb. 27.
Substance having tanning action and producing the same. E. Stiasny. 2,191,818; Feb. 27.
Support: *See*—
  Frame support. Portable welder support.
Switch: *See*—
  Automatic switch. Float switch.
  Electric switch.
Switch operating device. E. M. Miller. 2,191,742; Feb. 27.
Switching apparatus. W. H. Frank, L. E. Fisher, and J. A. Messing. 2,191,615; Feb. 27.
Synchronizing means for television and like systems. M. Bowman-Manifold, E. C. Cork, and C. O. Browne. 2,192,122; Feb. 27.
T coupling, Swivel. P. F. Thau. 2,191,688; Feb. 27.
Table: *See*—
  Foldable table.
Table top. E. A. Munger. 2,192,145; Feb. 27.
Tablets, Preparing. F. W. Nitardy and L. T. Andrews. 2,191,678; Feb. 27.
Tactual signal. S. H. Caldwell. 2,191,516; Feb. 27.
Tank: *See*—
  Transporting tank.
Tanning material. A. Russell and J. W. Copenhaver. 2,191,943; Feb. 27.
Tape serving apparatus. T. R. Gautier. 2,192,132; Feb. 27.
Telephone hand-set with combined transmitter and dial. E. S. McLarn. 2,191,993; Feb. 27.
Telephone system. A. J. Busch. 2,192,025; Feb. 27.
Telephone system. B. F. Lewis. 2,191,913; Feb. 27.
Telephone transmitter. E. S. McLarn. 2,191,992; Feb. 27.
Television apparatus. E. Schwartz and E. Ruska. 2,191,590; Feb. 27.
Television, Color. O. von Bronk. 2,191,515; Feb. 27.
Television system and operation thereof. A. V. Bedford. 2,192,121; Feb. 27.
Temperature control system. W. R. Miller. 2,192,144; Feb. 27.
Temperature indicator for wells. R. W. Lohman. 2,191,765; Feb. 27.
Tensiometer for strip mills. G. P. Lessmann. 2,192,044; Feb. 27.
Tensioning device for transmission chains and the like. J. Weller. 2,191,946; Feb. 27.
Terminal. J. C. Shumway. 2,191,503; Feb. 27.
Textile fabric. L. G. Egger. 2,191,986; Feb. 27.
Textile material, Water repellent. A. Doser, O. Bayer, and K. Hintzmann. 2,191,982; Feb. 27.
Thermometer holder. E. O. Valane. 2,191,782; Feb. 27.
Thermostat. F. Kuhn and L. H. Thomas. 2,191,670; Feb. 27.
Thermostat, Humidity compensated. L. W. Shutts. 2,191,630; Feb. 27.
Thermostatic valve. A. J. Schutt. 2,191,627; Feb. 27.
Thiazane derivatives. R. D. Coghill. 2,191,452; Feb. 27.
Thread-cutting machine. E. J. Protin. 2,191,915; Feb. 27.
Thread guide. V. R. Hardy and J. B. Miles, Jr. 2,191,791; Feb. 27.
Threads, filaments, and the like by the viscose process, Manufacture and production of artificial. J. H. Givens, H. W. Biddulph, and L. Rose. 2,192,074; Feb. 27.
3,5,6-trihydroxy androstane and pregnane compounds. K. Miescher and W. Fischer. 2,191,576; Feb. 27.
Time delay lock, Nonlockout combination. C. M. Hirn. 2,191,694; Feb. 27.
Tongs and the like, Paper and trash picker. W. H. Moore. 2,191,858; Feb. 27.
Tool: *See*—
  Fender tool. Reseating tool.
  Pipe working tool.
Tool element. R. Kieffer. 2,191,666; Feb. 27.
Toothpick dispenser. J. Manfredi. 2,191,573; Feb. 27.
Torque measuring wrench. B. Pepperdine. 2,191,725; Feb. 27.
Totalizer selecting means, Multiple. H. Neureiter and A. Klaar. 2,192,164; Feb. 27.
Toy wagon body. A. J. Snow. 2,191,868; Feb. 27.
Tractor wheel. M. E. R. Bernardon. 2,191,950; Feb. 27.
Trailer brake. M. H. Tuft and J. H. Clark. 2,192,055; Feb. 27.
Trailer hitch. E. C. Brown. 2,191,749; Feb. 27.
Transfer adhesive process and product. A. Bennett. 2,191,704; Feb. 27.
Transmission. A. Y. Dodge. 2,191,609; Feb. 27.
Transmission. R. W. Hautzenroeder. 2,192,078; Feb. 27.
Transmission. R. W. Scott and A. O. McCollum. 2,191,628–9; Feb. 27.
Transmission cable. A. F. Connery. 2,192,005; Feb. 27.
Transmission control. W. B. Osborne. 2,191,543; Feb. 27.
Transmission, Hydraulic mechanical speed. R. de Filippis. 2,191,907; Feb. 27.
Transporting tank. W. R. Kepler and E. H. Nilson. 2,191,718; Feb. 27.
Trap: *See*—
  Animal trap.
Tray, Ice-cream. R. H. Money. 2,191,578; Feb. 27.
Tube: *See*—
  Electron discharge tube. Gas discharge tube.
  Flexible metal tube.
Tube coupling. A. L. Parker. 2,191,582; Feb. 27.
Tumbler rack. A. J. Havlis. 2,191,693; Feb. 27.
Typewriter key locking attachment. M. F. Cooke. 2,191,706; Feb. 27.
Typographic apparatus. L. Grudin. 2,191,713; Feb. 27.
Typographical composing machine. H. Brandenburg 2,191,844; Feb. 27.
Unloading, counting, and stacking mechanism. E. J. Bell. 2,191,436; Feb. 27.
Vacuum cleaner. H. A. Jeffery. 2,191,717; Feb. 27.
Valve: *See*—
  Back pressure valve. Pressure control valve.
  Fluid control valve Pressure regulated valve.
  Lubricated tank valve. Radiator overflow valve
  Needle valve. Thermostatic valve.
Valve. E. G. Duden. 2,191,458; Feb. 27.
Valve seat insert retaining and cooling means, Exhaust. C. A. Jensen. 2,191,485; Feb. 27.

Vapor lock in internal combustion engines, Preventing. A. V. Mitterer. 2,191,490; Feb. 27.
Vault with metal lining, Burial. E. Reynolds. 2,192,104; Feb. 27.
Vegetables, Treating and preparing. O. Headland. 2,192,041; Feb. 27.
Vehicle: *See*—
  Motor vehicle.
Vehicle. E. W. Lucas. 2,191,964; Feb. 27.
Vehicle and exerciser. M. H. Hunter. 2,191,568; Feb. 27.
Vehicle and its manufacture, Motor. J. A. Gregoire. 2,192,075; Feb. 27.
Vehicle body. A. P. Armington. 2,191,445; Feb. 27.
Vehicle brake, Dual wheel. C. S. Ash. 2,192,023; Feb. 27.
Vehicle door latch. H. W. Rightmyer. 2,191,625; Feb. 27.
Vehicle head lamp. M. Schreiber. 2,191,546; Feb. 27.
Vehicle wheel. H. J. Horn. 2,191,762; Feb. 27.
Vending machine. F. F. Pulver. 2,191,585; Feb. 27.
Ventilating and accelerating delivery and stacking of printed sheets in a printing press. H. Erikson and G. A. Harker. 2,191,881; Feb. 27.
Ventilator. H. L. Moose. 2,191,768; Feb. 27.
Ventilator structure, Cowl. O. F. Graebner. 2,191,650; Feb. 27.
Vessel for beverages, Cooling and mixing. W. F. Alder. 2,191,434; Feb. 27.
Vibrational machinery. E. W. Smith. 2,191,504; Feb. 27.
Vibrations, System for analyzing. R. R. R. Sarazin. 2,191,862; Feb. 27.
Vision device, Highway. R. M. Cooley. 2,191,558; Feb. 27.
Visor. H. L. Sanderson. 2,191,775; Feb. 27.
Voltolization apparatus and method. J. E. Clemens and G. L. Matheson. 2,191,787; Feb. 27.
Vulcanization accelerator. M. W. Harman. 2,191,656; Feb. 27.
Wall construction. F. R. Schaaf. 2,192,107; Feb. 27.
Washbasin. E. A. Corbin, Jr. 2,191,453; Feb. 27.
Washer: *See*—
  Bottle washer.
Washer cylinder. N. A. Levitetz. 2,191,891; Feb. 27.
Washing machine rotor. J. W. Chamberlin and R. E. Bassett, Jr. 2,191,607; Feb. 27.
Water clarifier for automobiles. A. G. Bush. 2,191,440; Feb. 27.
Water closet construction. J. W. Szlapka. 2,192,110; Feb. 27.
Water gauge, Split clamp. O. L. Mulloy and R. D. Martin. 2,191,722; Feb. 27.
Web severing mechanism. A. Bell. 2,191,512; Feb. 27.
Weighing apparatus. E. Godat. 2,191,711; Feb. 27.
Weighing apparatus. E. Holm. 2,191,529; Feb. 27.
Weld line during thermoplastic molding, Eliminating the. D. M. Anderson. 2,191,703; Feb. 27.
Welder, Stud. E. F. Nelson. 2,191,494; Feb. 27.
Welding apparatus. R. K. Hopkins. 2,191,476; Feb. 27.
Welding composition. H. S. Blumberg. 2,191,473; Feb. 27.
Welding method. R. K. Hopkins. 2,191,471; Feb. 27.
Well cementing apparatus. L. L. Brown. 2,191,750; Feb. 27.
Wheel: *See*—
  Demountable wheel. Vehicle wheel.
  Tractor wheel.
Wind intensity and direction transmitter and indicator. R. R. Chappell and R. B. Colt. 2,191,955; Feb. 27.
Window channel. L. Spraragen. 2,191,549; Feb. 27.
Window frame construction. N. Hirschey. 2,191,660; Feb. 27.
Windows, doors, and the like, Insulating. P. A. Rosling. 2,191,500; Feb. 27.
Wiper, Gauge rod. F. L. Shelor. 2,191,817; Feb. 27.
Wire lead stripper, Hot. G. V. Watts. 2,192,056; Feb. 27.
Work feeding mechanism. M. H. Arms, J. B. Johnson, and A. Turner. 2,191,930; Feb. 27.
Wrench: *See*—
  Torque measuring wrench.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 27, 1940

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 12: 2,191,937
2,192,092
42: 2,191,545
68: 2,192,080
174: 2,191,589
4— 166: 2,191,453
295: 2,191,812
5— 351: 2,191,889
354: 2,191,963
356: 2,192,161
8— 22: 2,191,824
2,192,127
46: 2,191,801
64: 2,191,887
111: 2,192,071
131: 2,191,534
10— 89: 2,191,692
105: 2,191,915
154: 2,191,777
12— 17: 2,191,646
18: 2,191,779
128.6: 2,191,785
145: 2,191,906
15—104.30: 2,192,086
122: 2,191,642
167: 2,191,721
210: 2,191,817
16— 53: 2,192,156
158: 2,191,900
198: 2,191,959
17— 27: 2,191,732
18— 13: 2,191,829
30: 2,191,882
42: 2,191,703
54: 2,192,074
20— 11: 2,191,660
19: 2,192,063
56.5: 2,191,500
21— 78: 2,192,112
79: 2,191,799
94: 2,191,893
22— 25: 2,191,687
36: 2,191,451
57: 2,191,480
58: 2,191,478
65.1: 2,192,043
68: 2,191,789
90: 2,192,133
200: 2,191,477
203: 2,191,474
2,191,481
2,191,482
204: 2,191,475
23— 1: 2,192,124
22: 2,191,794
155: 2,191,561
166: 2,191,754
201: 2,191,560
219: 2,191,981
233: 2,191,464
234: 2,191,980
236: 2,192,125
259: 2,192,140
260: 2,191,467
270.5: 2,191,919
2,192,094
24— 73: 2,192,160
205: 2,191,874
2,192,013
207: 2,192,017
241: 2,191,601
25— 22: 2,191,857
41: 2,191,847
28— 1: 2,191,977
29— 33: 2,191,536
148.4: 2,191,916
156.8: 2,192,008
189: 2,191,470
2,191,472
30— 208: 2,192,054
33— 181: 2,192,069
33—2 222: 2,192,138
223: 2,192,148
35— 1: 2,191,713
36— 2.5: 2,192,150
7.5: 2,191,442
34: 2,192,026
37— 116: 2,191,606
195: 2,191,448
38— 25: 2,192,057
40— 21: 2,191,808
53: 2,192,072
62: 2,191,457
95: 2,191,662
113: 2,191,757
135: 2,192,163
41— 24: 2,191,910
31.6: 2,191,514
38.6: 2,191,731
42— 70: 2,191,521
43— 29: Re.21,375
81: 2,191,570
47— 60: Pl.Pt.364
48— 190: 2,192,011
49— 1: 2,191,953
47: 2,191,591
56: 2,191,733
77: 2,191,658
82: 2,191,951
2,191,952
50— 23: 2,192,141
51— 69: 2,191,899
87: 2,191,814
92: 2,191,600
2,191,764
101: 2,191,898
211: 2,191,994
213: 2,191,719
215: 2,191,930
241: 2,191,617
292: 2,191,992
301: 2,191,803
53— 3: 2,192,095
55— 73: 2,191,537
57— 5: 2,191,875
77: 2,191,583
58— 26: 2,191,976
59— 35: 2,191,441
60— 54.5: 2,192,012
54.6: 2,191,716
61— 4: 2,191,924
36: 2,191,652
63: 2,191,845
73: 2,192,091
62— 3: 2,191,925
4: 2,191,605
2,191,623
2,191,965
2,191,966
2,191,967
19: 2,191,462
91.5: 2,191,434
2,191,518
102: 2,191,659
108.5: 2,191,715
114: 2,191,909
119.5: 2,191,550
2,191,551
152: 2,191,864
176: 2,192,126
66— 50: 2,191,577
123: 2,192,098
169: 2,191,883
172: 2,191,456
201: 2,192,090
68— 187: 2,191,914
210: 2,191,891
70— 274: 2,191,664
72— 7: 2,192,104
40: 2,191,804
48: 2,192,107
66: 2,191,828
72— 96: 2,192,151
101: 2,191,979
116: 2,191,461
73— 51: 2,191,862
198: 2,191,552
299: 2,191,533
330: 2,191,722
362: 2,191,765
74— 10: 2,192,064
11: 2,192,146
84: 2,191,541
112: 2,191,538
2,191,539
2,191,540
2,191,766
117: 2,192,016
230.17: 2,191,531
240: 2,192,147
242.11: 2,191,946
293: 2,191,907
333: 2,192,078
368: 2,191,609
2,191,628
2,191,629
389.5: 2,191,763
424.7: 2,191,865
466: Re.21,374
473: 2,191,543
479: 2,191,708
75— 1: 2,191,819
5: 2,191,911
10: 2,191,479
22: 2,191,936
108: 2,192,154
126: 2,191,790
136: 2,191,446
2,191,666
166: 2,191,624
80— 35: 2,192,044
81— 9.51: 2,192,056
15: 2,191,720
82— 9: 2,191,935
83— 62: 2,191,756
84— 174: 2,191,443
214: 2,191,487
314: 2,191,776
331: 2,191,734
376: 2,191,747
447: 2,192,077
85— 5: 2,191,780
21: 2,191,771
36: 2,191,689
2,192,087
49: 2,191,869
87— 9: 2,191,498
2,191,675
2,191,996
88— 24: 2,191,483
74: 2,192,158
2,192,159
77: 2,191,775
78: 2,191,558
89— 14: 2,191,484
2,191,648
2,192,081
90— 11: 2,191,559
12.5: 2,192,116
24: 2,192,130
91— 44: 2,191,827
68: 2,191,704
2,191,982
70: 2,191,947
70.3: 2,191,598
92— 43: 2,191,999
93— 58.2: 2,191,988
61: 2,191,496
94— 44: 2,192,027
95— 2: 2,191,502
5: 2,191,939
7: 2,191,810
90: 2,191,508
95— 94: 2,191,850
97— 59: 2,191,741
127: 2,191,920
98— 2: 2,191,650
43: 2,191,774
78: 2,191,948
99: 2,191,768
106: 2,192,007
119: 2,192,009
90— 50.5: 2,191,838
91: 2,192,099
2,192,100
100: 2,191,835
154: 2,191,695
156: 2,191,553
182: 2,191,509
204: 2,192,041
101— 69: 2,191,735
102— 23: 2,191,841
103— 103: 2,191,917
148: 2,191,861
104— 32: 2,191,710
105— 179: 2,191,621
362: 2,191,718
106— 24: 2,191,555
40: 2,191,894
2,191,895
2,191,896
2,191,897
107— 19: 2,191,921
48: 2,191,524
108— 6: 2,191,522
8: 2,191,465
10: 2,191,668
12: 2,191,933
110— 7: 2,191,712
105.5: 2,191,653
112— 248: 2,191,736
113— 115: 2,191,806
118: 2,191,631
121: 2,191,989
114— 16: 2,191,879
56: 2,191,904
201: 2,192,135
206: 2,191,856
119— 48: 2,191,651
51: 2,191,811
121— 41: 2,191,792
123: 2,191,888
122— 7: 2,192,108
123— 24: 2,191,676
79: 2,191,745
90: 2,191,459
2,191,639
119: 2,191,940
127: 2,192,067
177: 2,191,485
191: 2,191,638
2,191,746
124— 8: 2,191,618
126— 148: 2,192,093
129— 10: 2,191,886
23: 2,191,707
131— 182: 2,191,672
132— 41: 2,192,134
83: 2,191,680
134— 18: 2,191,575
35: 2,191,603
135— 54: 2,192,040
2,192,097
137— 21: 2,191,815
77: 2,192,155
104: 2,191,700
139: 2,191,532
153: 2,192,042
136— 26: 2,191,990
37: 2,191,724
51: 2,191,690
139— 5: 2,192,029
140— 3: 2,191,647
93: 2,191,684
140— 112: 2,191,682
141— 7: 2,191,513
145— 16: 2,191,679
146— 153: Re.21,376
148— 6.5: 2,191,435
12: 2,192,032
26: 2,191,473
150— 28: 2,191,557
2,192,010
151— 22: 2,191,944
152— 40: 2,191,762
153— 1: 2,192,106
10: 2,191,488
154— 33.1: 2,191,807
155— 57: 2,191,644
154: 2,191,752
182: 2,191,633
2,191,848
2,191,956
2,192,070
156— 10: 2,191,986
17: 2,191,602
2,192,002
158— 28: 2,191,640
36.4: 2,191,490
42.4: 2,191,727
159— 6: 2,192,089
161— 17: 2,191,770
164— 0.5: 2,191,781
23: 2,191,655
29: 2,191,709
47: 2,191,512
2,191,826
49: 2,192,132
84.5: 2,191,497
110: 2,191,836
166— 1: 2,191,702
2,191,750
2,191,778
13: 2,191,783
19: 2,192,065
167— 34: 2,191,548
82: 2,191,678
168— 28: 2,191,834
170— 164: 2,192,034
171— 119: 2,192,028
209: 2,191,809
2,192,073
172— 36: 2,191,872
239: 2,191,606
2,191,907
2,192,022
276: 2,192,050
2,192,051
173— 259: 2,191,503
322: 2,192,165
339: 2,191,871
174— 68: 2,191,995
88: 2,191,544
2,191,645
125: 2,191,580
2,191,581
2,191,584
175— 41.5: 2,192,062
294: 2,192,035
307: 2,191,637
309: 2,191,615
363: 2,191,634
2,192,052
176— 34: 2,191,546
125: 2,191,507
177— 7: 2,191,825
311: 2,192,058
314: 2,191,926
329: 2,191,516
337: Re.21,377
351: Re.21,372
2,191,955
352: 2,192,061
178— 5.2: 2,191,515
6.6: 2,191,945
178— 7.1: 2,191,796
7.2: 2,192,121
13: 2,191,867
17: 2,191,798
63: 2,192,005
69.5: 2,192,122
179— 5: 2,191,971
6: 2,191,612
6.31: 2,192,025
15: 2,191,565
16: 2,191,913
100.3: 2,191,795
103: 2,191,998
122: 2,191,992
171: 2,191,542
2,191,547
171.5: 2,191,454
180— 54: 2,191,599
82: 2,192,021
181— 23: 2,191,832
48: 2,191,619
2,191,620
182— 31: 2,191,686
183— 24: 2,191,671
114.6: 2,191,486
184— 11: 2,191,833
2,192,088
188— 3: 2,192,055
4: 2,191,954
18: 2,192,023
20: 2,191,760
56: 2,192,157
58: 2,191,821
78: 2,192,001
79.5: 2,191,677
106: 2,192,004
152: 2,191,987
204: 2,191,769
264: 2,191,604
189— 16: 2,191,681
37: 2,191,788
82: 2,191,566
88: 2,191,773
192— 25: 2,191,983
85: 2,191,669
2,192,018
105: 2,191,846
107: 2,191,460
194— 1: 2,191,667
196— 13: 2,191,767
2,191,972
62: 2,191,466
197— 17: 2,191,706
131: 2,191,554
198— 224: 2,191,743
2,191,744
199— 44: 2,191,844
200— 42: 2,192,060
48: 2,191,878
50: 2,191,523
52: 2,191,630
54: 2,191,816
59: 2,191,563
70: 2,191,859
84: 2,191,758
92: 2,192,046
106: 2,192,059
116: 2,191,501
2,191,588
130: 2,191,793
138: 2,191,665
2,191,670
2,191,742
149: 2,192,045
152: 2,192,031
202— 39: 2,191,449
77: 2,192,119
2,192,120
2,192,136
2,192,137
114: 2,191,920

204— 1: 2,192,123
9: 2,191,574
14: 2,191,813
31: 2,191,787
2,191,797
206— 1: 2,191,506
7: 2,191,571
29: 2,192,053
209— 95: 2,191,843
173: 2,191,805
315: 2,191,504
2,191,923
2,192,075
210— 45: 2,191,440
211— 32: 2,191,984
74: 2,191,693
119: 2,191,714
123: 2,192,038
126: 2,192,102
212— 55: 2,192,033
214— 138: 2,191,569
215— 37: 2,191,447
47: 2,191,495
216— 22: 2,191,535
219— 4: 2,191,494
2,191,912
8: 2,191,476
10: 2,191,469
2,191,471
220— 1.5: 2,191,445
39: 2,191,902
44: 2,191,614
56: 2,191,610
61: 2,191,975
221— 60: 2,192,020
95: 2,191,870
2,191,892
2,191,927
108: 2,191,928
224— 45: 2,191,837
225— 1: 2,191,918
226— 4: 2,191,436
229— 5.7: 2,191,705

220— 6: 2,192,006
23: 2,191,517
31: 2,191,723
54: 2,192,131
230— 31: 2,191,908
95: 2,191,717
234— 66: 2,191,673
235— 6: 2,192,164
61: 2,191,567
61.6: 2,192,003
131: 2,191,616
134: 2,191,877
236— 34: 2,191,627
44: 2,191,622
91: 2,192,144
92: 2,192,117
237— 12.3: 2,191,526
81: 2,191,985
240— 2: 2,192,149
7.35: 2,192,019
7.55: 2,191,932
61.13: 2,192,114
242— 18: 2,191,791
47.5: 2,191,973
71: 2,191,849
74: 2,191,489
78: 2,191,463
110: 2,192,111
244— 18: 2,192,139
30: 2,191,759
42: 2,191,839
75: 2,191,842
87: 2,191,840
122: 2,192,109
2,192,113
147: 2,192,083
248— 34: 2,191,755
117.1: 2,191,649
229: 2,191,782
245: 2,191,701
354: 2,192,079
249— 2: 2,191,529
19: 2,191,711

250— 11: 2,191,730
27: 2,192,049
27.5: 2,191,504
2,191,505
2,191,884
2,192,047
2,192,162
40: 2,191,562
41.5: 2,191,560
175: 2,191,903
251— 24: 2,191,863
118: 2,191,726
122: 2,191,458
252— 2: 2,191,592
2,191,853
2,192,000
254— 54: 2,191,626
86: 2,191,866
255— 42: 2,191,606
64: 2,191,491
2,191,492
2,191,493
2,191,699
257— 141: 2,191,519
215: 2,191,885
259— 10: 2,191,450
96: 2,191,739
107: 2,191,830
113: 2,191,578
260— 8: 2,191,654
9: 2,192,129
16: 2,191,530
42: 2,191,802
43: 2,191,737
45: 2,191,943
47: 2,192,030
49: 2,191,818
52: 2,191,587
69: 2,191,949
2,191,960
70: 2,191,957
78: 2,191,556
83: 2,191,520

260— 159: 2,191,800
2,192,153
198: 2,191,823
229: 2,191,525
243: 2,191,452
261: 2,191,665
262: 2,191,855
266: 2,192,085
306: 2,191,657
346: 2,191,860
391: 2,191,674
394: 2,192,118
397: 2,191,576
407: 2,192,152
412.4: 2,191,455
445: 2,191,740
482: 2,191,978
497: 2,192,015
505: 2,191,820
526: 2,192,142
531: 2,191,786
534: 2,191,738
553: 2,191,974
583: 2,191,922
584: 2,191,753
603: Re.21,373
609: 2,191,564
619: 2,191,831
624: 2,191,499
653: 2,192,143
679: 2,191,510
727: 2,191,748
789: 2,191,656
802: 2,191,664
261— 66: 2,191,905
111: 2,191,938
262— 19: 2,191,958
263— 28: 2,191,438
265— 1: 2,191,725
11: 2,192,039
54: 2,191,635
267— 1: 2,192,101
8: 2,191,942

267— 54: 2,191,528
271— 1: 2,191,505
5: 2,192,068
38: 2,191,506
43: 2,191,586
53: 2,191,507
88: 2,191,881
272— 79: 2,191,606
273— 35: 2,191,683
51: 2,191,439
85: 2,192,096
136: 2,191,901
274— 11: 2,191,691
277— 60: 2,191,968
2,191,969
2,191,970
61: 2,191,611
2,191,636
279— 51: 2,192,024
280—11.35: 2,192,066
11.37: 2,191,641
33.17: 2,191,749
95: 2,191,961
124: 2,191,941
223: 2,191,568
226: 2,191,964
279: 2,191,663
281— 19: 2,191,661
33: Re.21,371
285— 33: 2,192,110
86: 2,191,582
97.5: 2,191,688
170: 2,191,579
287— 20: 2,191,607
2,192,014
52.03: 2,191,444
101: 2,191,632
127: 2,192,048
288— 3: 2,191,873
292— 105: 2,191,852
166: 2,191,437
167: 2,191,625
2,191,784

292— 169: 2,192,105
173: 2,191,931
250: 2,191,613
293— 55: 2,191,751
294— 19: 2,191,858
20: 2,191,593
23.5: 2,191,527
296— 28: 2,191,572
2,192,075
44.5: 2,191,549
57: 2,191,868
298— 22: 2,192,138
299— 17: 2,192,036
2,192,037
78: 2,191,728
95: 2,192,082
141: 2,192,115
301— 50: 2,191,950
63: 2,192,054
303— 21: 2,191,822
304— 14: 2,191,643
306— 21: 2,191,998
28: 2,192,103
308— 15: 2,191,800
47: 2,191,761
80: 2,191,488
89: 2,191,851
160: 2,191,901
187: 2,191,576
207: 2,191,880
236: 2,191,984
309— 12: 2,191,854
41: 2,191,607
311— 32: 2,191,772
106: 2,192,145
312— 8: 2,191,729
43: 2,191,511
65: 2,191,585
74: 2,191,573

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,191,440: 210— 45
2,191,449: 202— 39
2,191,485: 123— 177
2,191,497: 164— 84.5
2,191,504: 209— 315
2,191,516: 177— 329
2,191,525: 260— 229
2,191,534: 8— 131
2,191,578: 259— 113
2,191,585: 312— 65

2,191,587: 260— 52
2,191,590: 250— 41.5
2,191,606: 172— 239
2,191,625: 202— 167
2,191,649: 248—117.1
2,191,653: 110—105.5
2,191,662: 40— 95
2,191,676: 123— 24
2,191,705: 229— 5.7

2,191,727: 158— 42.4
2,191,735: 101— 69
2,191,755: 248— 34
2,191,800: 260— 159
2,191,803: 51— 301
2,191,807: 154— 33.1
2,191,816: 200— 54
2,191,818: 260— 49
2,191,840: 244— 87
2,191,888: 121— 123

2,191,894: 106— 40
2,191,895: 106— 40
2,191,906: 106— 40
2,191,907: 106— 40
2,191,903: 250— 175
2,191,917: 103— 103
2,191,919: 23—270.5
2,191,920: 202— 114
2,191,923: 209— 315
2,191,987: 2— 12

2,191,947: 91— 70
2,191,952: 49— 82
2,191,958: 262— 19
2,191,962: 51— 202
2,191,981: 23— 219
2,191,995: 174— 68
2,192,003: 235— 51.6
2,192,012: 60— 54.5
2,192,018: 192— 85
2,192,021: 180— 82

2,192,032: 148— 12
2,192,039: 265— 11
2,192,068: 271— 5
2,192,129: 260— 9
2,192,148: 33— 223

U. S. GOVERNMENT PRINTING OFFICE: 1940

Patents Nos. 2,188,895 to 2,189,748

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 511—No. 1 TUESDAY, FEBRUARY 6, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of February 6, 1940	1
Notices of Cancellation	1
Examiner's Letters and Amendments	1
Adverse Decisions in Interference	1
Applications Under Examination	2
Decisions of the U. S. Courts—	
In re Roberts	3
In re Maybach	4
Patent Suits	5
Adjudicated Patents	6
Disclaimers	6
Trade-Marks Published (170 Applications)	7
Trade-Mark Registrations Granted	29
Trade-Mark Registrations Renewed	36
Labels	39
Prints	39
Reissues	41
Patents Granted	43
Designs	244

February 6, 1940

Trade-Marks	168—No.	374,990 to No.	375,157, inclusive.
T. M. Renewals	68		
Labels	10—No.	54,243 to No.	54,252, inclusive.
Prints	7—No.	17,825 to No.	17,831, inclusive.
Reissues	5—No.	21,341 to No.	21,345, inclusive.
Patents	854—No.	2,188,895 to No.	2,189,748, inclusive.
Designs	117—No.	118,809 to No.	118,925, inclusive.
Total	1,229		

Notices of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 10, 1940.*

Charles M. Huette, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The H. C. Godman Company, Columbus, Ohio, to effect the cancellation of trade-mark registration of Charles M. Huette, 420 N. Sixth St., St. Louis, Mo., No. 255,767, dated April 30, 1929, and the notice of such proceeding sent by registered mail to the said Charles M. Huette at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Charles M. Huette, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

Justin W. Macklin,
First Assistant Commissioner.

U. S. Patent Office, *Washington, D. C., Jan. 15, 1940.*

Ben W. Thompson, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The National Marking Machine Company, 4026–30 Cherry St., Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Ben W. Thompson, 3639 Eighth Ave., Los Angeles, Calif., No. 278,522, dated August 5, 1930, and the notice of such proceeding sent by registered mail to the said Ben W. Thompson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Ben W. Thompson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

Justin W. Macklin,
First Assistant Commissioner.

U. S. Patent Office, *Washington, D. C., Jan. 25, 1940.*

Paul Mandel and Bro., their assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Radio Corporation of America, 30 Rockefeller Plaza, New York, N. Y., to effect the cancellation of trade-mark registration of Paul Mandel and Bro., 237 Market St., Philadelphia, Pa., No. 270,174, dated April 29, 1930, and the notice of such proceeding sent by registered mail to said Paul Mandel and Bro. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Paul Mandel and Bro., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

Justin W. Macklin,
First Assistant Commissioner.

Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,064,455, Clifford Banta, Production of motor benzol, decided January 15, 1940, claims 2 and 8.

Pat. 2,116,635, H. W. Matheson and G. O. Norrison, Mixed polyvinyl resins and method of making same, decided January 19, 1940, claim 5.

Pat. 2,117,364, Henry Salvatori, Apparatus for seismic surveying, decided January 16, 1940, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, and 11.

Pat. 2,117,365, H. Salvatori and J. N. Walstrum, Seismic surveying, decided January 16, 1940, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13.

Pat. 2,150,868, S. N. Wight, Interlocking system for railroads, decided January 19, 1940, claim 12.

Condition of Applications Under Examination at Close of Business January 20, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 48,907; Trade-Mark Division, 1,557. Oldest new case, June 7, 1936; oldest amended, June 1, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 7	Aug. 5	578
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 7	June 1	886
4003	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 24	Nov. 21	306
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Aug. 14	Sept. 18	606
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Oct. 21	Oct. 23	425
4806 C	6. LEWERS, A. M., Carbon Chemistry (part)	July 19	July 19	986
5726	7. JARBOE, C. G., Optics; Photography	Sept. 23	Sept. 21	970
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 22	July 8	1076
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 26	July 27	709
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Sept. 9	Oct. 4	522
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 26	Sept. 23	472
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 26	July 21	461
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 12	Aug. 12	706
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 3	Oct. 18	474
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 22	July 22	1374
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 14	Aug. 19	684
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 18	Sept. 5	720
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 5	Sept. 6	577
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 2	Sept. 23	496
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 28	Oct. 2	370
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 21	Sept. 27	494
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	June 26	June 26	1067
7624	23. BUTTNER, W. J., Registers (part)	June 30	July 1	306
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	June 7	June 3	1371
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 15	Sept. 18	620
5892	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 30	Aug. 23	510
5706	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	July 17	July 5	1017
4628	28. SOLYOM, H. L., Internal-Combustion Engines Machine Element; Cylinders and Pistons	Aug. 31	Aug. 30	512
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 19	July 24	814
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 24	Aug. 22	848
4710	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 20	Sept. 20	1002
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 9	Oct. 9	374
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 22	Aug. 18	1009
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Nov. 3	Nov. 15	225
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 15	Aug. 24	703
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 7	Aug. 16	643
3886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 5	Aug. 17	736
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	July 11	July 11	787
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 7	Sept. 8	597
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 22	June 26	1974
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 24	Aug. 21	291
5882	42. CUTTING, H. O., Electric Signaling	June 22	July 10	717
4586 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 12	Sept. 13	487
4087 B	44. HARVEY, L. P., Refrigeration	Aug. 15	Aug. 16	678
7063	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 4	Sept. 29	555
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 24	Sept. 1	745
6082	47. LOWE, E. R., Clutches; Brakes	Sept. 25	Sept. 20	534
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 9	Sept. 13	484
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 17	July 19	985
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 26	Aug. 30	1320
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 2	Nov. 2	669
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 30	Sept. 27	700
6907	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 28	Oct. 2	322
3574	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 28	Oct. 24	292
6983	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 11	Sept. 11	441
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 22	July 24	1280
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 26	Sept. 21	444
5608	58. DOWELL, E. F., Abrading; Bottles and Jars	July 8	Sept. 5	500
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 11	Aug. 11	885
5866	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 15	Sept. 16	432
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 19	Aug. 19	612
5621	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 4	Nov. 2	423
4586	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 11	July 10	1060
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Oct. 4	Oct. 3	736
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 19	Aug. 11	510
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Dec. 7	Dec. 21	1,491
2605	Designs: H. H. KALUPY (Labels and Prints	Jan. 10	Jan. 8	66
		Nov. 24	Dec. 19	796

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ROBERTS

No. 4,181. Decided December 4, 1939

[107 F.(2d) 594]

1. NOVELTY—NOT CONSTITUTED BY SUBSTITUTION OF WELDING FOR RIVETING.

Welding, soldering and riveting are mechanically equivalent ways of fastening things together, and the substitution of welding for riveting does not constitute novelty. *Metropolitan Engineering Co.* v. *Coe*, 64 App. D. C. 317, 78 F.(2d) 201, 455 O. G. 505; *In re Hodgson*, 25 C. C. P. A. (Patents) 1110, 96 F.(2d) 285, 495 O. G. 712; *Thomson Spot Welder Co.* v. *Ford Motor Co.*, 281 Fed. 680, 328 O. G. 11, affirmed by the Supreme Court (265 U. S. 445).

2. PATENTABILITY—PISTON RINGS.

Claims for piston rings *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. John D. Rippey and *Mr. John H. Cassidy* for Roberts.

Mr. Howard S. Miller for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims—Nos. 2, 4, 7, 8, and 9—in appellant's application for a patent for an alleged invention relating to improvements in piston rings.

As set forth in the appealed claims, appellant's piston rings comprise a plurality of superimposed annular leaves or laminae, each leaf having a gap formed radially thereof, the gaps being spaced equidistant about the composite ring. Each leaf, with the exception of the outer one, is provided with a lug or "stop" welded onto it at a point removed from the ends of the leaf. The lug or "stop" is of substantially the same thickness as the leaf, and lies within the gap of an adjacent leaf thereby preventing relative rotation of the leaves. If the leaves are permitted to rotate relative to one another, the gaps in the several sections are likely to be brought into alignment thus reducing the efficiency of the rings by "permitting the compression in the cylinder to blow by the gaps."

Claim 2 is sufficiently illustrative of the appealed claims. It reads:

2. A piston ring of the class described comprising a plurality of thin substantially flat sections, each slightly concave on one side and convex on the other side, arranged in superimposed relation, each section having a gap, the gap of each section being staggered relative to the gaps of the adjacent sections, and a stop fused to each section but one at the gap of an adjacent section, each stop comprising a dog of substantially the same thickness as a section and adapted to contact adjacent end walls of an adjacent section, whereby a gas tight seal is made and relative rotation of the sections is prevented.

The references are: Muchnic, 1,200,641, October 10, 1916; Platt, 1,643,628, September 27, 1927; Glimer, 1,671,526, May 29, 1928; Howlett (British), 427,256, April 8, 1935; Sopp, 2,073,500, March 9, 1937; Cords, 2,091,947, August 31, 1937.

The patents to Cords and Howlett disclose piston rings of the same type as that here claimed by appellant. However, they do not disclose any means to prevent relative rotation of the leaves.

The patent to Sopp relates to piston rings, and discloses the type of ring here claimed by appellant. The patentee's rings have kinks formed in each leaf, the kinks being adapted to fit in the gap of an adjacent leaf thus preventing relative rotation or creeping of the leaves.

The patents to Muchnic, Platt, and Gilmer relate to rings of a somewhat different type. The patentees disclose two superimposed ring elements having lugs or stops attached thereto by means of rivets. The lugs cooperate with the gaps and prevent relative rotation of the ring elements. The ring elements disclosed in those patents are of such proportions that the use of riveted lugs does not impair their efficiency.

The improvement in appellant's structure, which is relied upon here for the claim of patentable invention, is the use of welded or spot welded lugs or "stops", not disclosed in the references, in the place of the stop element disclosed in the patent to Sopp and the riveted lugs or "stop" elements disclosed in the patents to Muchnic, Platt, and Gilmer.

It is argued by counsel for appellant that the—

"patents to Gilmer, Platt and Muchnic disclose lugs riveted to piston ring segments in a position that they may act as a stop for adjacent segments. But it is clear that such an expedient cannot be used with rings of this [appellant's] type. The use of a rivet would weaken the leaf and destroy its resiliency."

The force of the latter statement is conceded by the Patent Office tribunals and by the Solicitor for the Patent Office. It is the view of the Patent Office tribunals, however, that as it was old to use stop elements, as disclosed in the patent to Sopp and in the patents to Muchnic, Platt, and Gilmer, to maintain the gaps in the ring elements in staggered relation and prevent their coming into alignment, and as "spot welding is a well-known equivalent of riveting", it did not involve invention to substitute spot welded lugs or "stops" for the riveted lugs in the patents to Muchnic, Platt, and Gilmer. In this connection, the Board said:

The Sopp patent is evidence that the broad conception was not new with appellant. If the deformations proposed by Sopp seriously impair the resilient characteristics of the ring, it seems to us that it would be obvious to use a stop of a type which requires no deformation of the ring proper, such as those shown in the group of references last referred to [Muchnic, Platt, and Gilmer]. One following the strict teachings of the patents would naturally employ rivets in using such stops. We think, however, that it should occur to one attempting to use such stops and finding that rivets tended to weaken the ring elements excessively, that they could be attached by a welding operation. As a general proposition, spot welding is a well-known equivalent of riveting. We are unable to see that, in adopting this equivalent attaching expedient, any unobvious utility thereof has been recognized.

[1] It appears from the record that appellant's rings have met with commercial success; that rings of the Cords and Sopp type are not entirely satisfactory; and that appellant, by providing the rings

of the Cords and Howlett type with spot welded lugs or "stops", has made a distinct contribution to the piston ring art. There is nothing in the record, however, to indicate that it would be unobvious to one skilled in the art to substitute spot welded lugs for the lugs disclosed in the patent to Sopp, in view of the disclosure of riveted lugs in the patents to Muchnic, Platt, and Gilmer. Furthermore, as pointed out by each of the tribunals of the Patent Office and by the Solicitor for the Patent Office, welding, soldering, and riveting "are mechanically equivalent ways of fastening things together", and the substitution of welding for riveting "does not constitute novelty." *Metropolitan Engineering Co.* v. *Coe*, 64 App. D. C. 317, 78 F.(2d) 201, 455 O. G. 505; *In re Hodgson*, 25 C. C. P. A. (Patents) 1110, 96 F.(2d) 285, 495 O. G. 712; *Thomson Spot Welder Co.* v. *Ford Motor Co.*, 281 Fed. 680, 328 O. G. 11, affirmed by the Supreme Court (265 U. S. 445).

[2] We are of opinion, therefore, that, although the prior art cited does not disclose spot welded "stops" or lugs in piston rings, it would be obvious to one skilled in the art to substitute spot welded lugs or "stops" in the Cords or Howlett rings in place of the riveted lugs or "stops" disclosed in the patents to Muchnic, Platt, and Gilmer.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MAYBACH

No. 4,188. Decided December 4, 1939

[107 F.(2d) 610]

1. PATENTABILITY—COMBINATION CLAIMS.

"It is well established that the mere fact that some elements of a claimed combination are novel and possibly patentable as individual elements does not render the combination containing them patentable in the absence of novel cooperative relation in the combination itself."

2. SAME—CARBURETER ARRANGEMENT.

Claims for carbureter arrangement for internal combustion engines *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Edmund H. Parry, Jr., for Maybach.

Mr. Howard S. Miller for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for want of patentability over the prior art, claims 7, 8, 9, and 18, of appellant's application. Apparently no claims have been allowed.

Claim 7 is illustrative of the subject matter involved and reads as follows:

7. In a high speed internal combustion engine, cylinder groups each comprising three cylinders which have non-overlapping suction periods, a plurality of coacting fuel carbureting devices for each of said cylinder groups, and control means for the coacting carbureting devices of a cylinder group operative to cause one of said devices to begin to open when another of said devices reaches partially open position, the carbureting devices constituting each set connecting with cylinders of only a single group so that each carbureting device supplies fuel to one cylinder at a time.

The references cited by the Board are as follows: Delaunay-Belleville, 1,051,866, February 4, 1913; Duryea, 907,757, December 29, 1908; Lobdell, 1,152,031, August 31, 1915; Maire, 1,368,178, February 8, 1921; Bayerische (British), 157,359, May 10, 1922.

Appellant's application relates primarily to carbureter arrangements for rapidly running internal combustion engines; all of the claims are combination claims and, as will be noted from quoted claim 7, embrace any number of groups of three cylinders which have non-overlapping suction periods, a plurality of coacting carbureter devices for each group, and control means for opening or closing such carbureter devices progressively.

The principal reference is Delaunay-Belleville, which discloses a six-cylinder engine divided into two groups of three cylinders each having non-overlapping suction periods, and provided with separate intake manifolds. Only two carbureters are employed, each connecting with a manifold of one cylinder group.

The other references were cited merely to show that multiple jet carbureters with a throttle for each jet or air passage were known in the prior art.

The Examiner held that the reference Delaunay-Belleville shows the combination to be old; that any carbureter, whether single or multiple, could be used upon Delaunay-Belleville without invention, and that appellant's specific carbureter claimed with the particular manifolding is aggregative. He further held that the specific carbureter disclosed by appellant may be patentable over the prior art, but that this fact cannot lend patentability to the combination claimed.

Upon appeal the Board in its decision stated:

In respect to the feature of combining cylinders of multiple cylinders 4 cycle engines into groups of three, it is apparent and is fully discussed by Delaunay-Belleville that the reason for this is so that the intake stroke of two or more cylinders will not overlap. By having only three cylinders in the group, the sum of the intake strokes as measured in degrees of revolution of the crank-shaft is much less than the total degrees of revolution represented in a complete cycle of revolution of all three cylinders through two cycles.

In each of Delaunay-Belleville's groups of three cylinders, the timing of the intake is such as to be equally divided so as not to overlap and for the same purpose as in applicant's case.

It appears clear from the record including the supplemental citations of record noted by the Examiner, that multiple jet carburetors with a throttle for each jet or air passage are well known.

It appears, therefore that both features are well known in the art and the only question presented is whether invention is involved in associating them, that is, in substituting a multiple jet carburetor in place of each of Delaunay-Belleville's carburetors A—B.

After careful consideration of the record, we find no reason for differing from the conclusions reached by the Examiner. We are convinced that the result secured by applicant is only the mere sum of the two results of these two features as used in other relations.

A motion by appellant for reconsideration was denied by the Board.

We are not convinced that the Patent Office tribunals erred in rejecting the involved claims.

Appellant admits that the special cylinder and manifolding arrangement embraced in his claims is old, and that multiple jet carbureters are old, but claims that the combination of such elements was not obvious to one skilled in the art. In his brief counsel for appellant states:

As suggested by the Patent Office appellant secured his results by combining features which, at least basically, were old in the art in other associations, but it is submitted that such combination was by no means obvious.

* * * * * * *

Thus the two features of applicant's invention were independently known to the art for twenty-two years before appellant's application. Engines having a multiple of six cylinders have been known even longer. During all of such time no one had appreciated that the plural jet carburetor and the divided cylinder arrangement had any utility in connection with each other for any purpose, and more specifically, that if used together in a multi-cylinder engine they would supplement the deficiencies of each other and provide an improved charge for the engine cylinders not obtainable by using the separate features in other associations.

We agree with the Patent Office tribunals that it would not involve invention to substitute for the single carbureter, for each group of cylinders disclosed by Delaunay-Belleville, multiple carbureters which were old in the art. We think appellant's contribution to the art was in his improved plural jet carbureters, considering the control means as a part thereof, and not in using such carbureters in a high-speed internal combustion engine having groups of three cylinders. If there was here involved a claim for such carbureters per se, a very different question would be presented, upon which we express no opinion.

That carbureters are used in connection with internal combustion engines is a matter of common knowledge. They are a distinct part of the mechanism by which such engines may function. That multiple jet carbureters are old is shown by the record.

Because such an engine could not function without the cooperation of the carbureter, it does not follow that every improved carbureter and controlling means in connection therewith which might be patentable per se may be claimed in combination with the cylinders of the engine.

An automobile runs on wheels, without which it can not move, but if one invents a new wheel for automobiles he may not have a patent for a combination of wheels, axles, and chassis, for such combination is old. For his protection the inventor must seek a patent for his novel wheel.

So here carbureters are old, and if appellant has invented a new carbureter arrangement adapted to a particular kind of high-speed internal combustion engine, he should seek protection by applying for a patent upon such carbureter, and not for a combination of the carbureter with the cylinders of the engine.

[1] It is well established that the mere fact that some elements of a claimed combination are novel and possibly patentable as individual elements does not render the combination containing them patentable in the absence of novel cooperative relation in the combination itself. *In re Germantown Trust Co., etc.*, 19 C. C. P. A. (Patents) 1140, 57 F.(2d) 365, 421 O. G. 857.

[2] We conclude that it would be obvious to one skilled in the art to substitute for the single carbureters disclosed by Delaunay-Belleville the multiple jet carbureters disclosed by appellant, and that therefore the combination of such carbureters with the group cylinder disclosure of Delaunay-Belleville would not involve invention.

For the reasons herein stated the decision of the Board is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,427,700. (See Re. 17,405.)

1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, filed Oct. 20, 1939, D. C., N. D. Ill., E. Div., Doc. 1036, *R. C. A. et al.* v. *S. Posen et al.* (*Precision Radio Co.*).

1,507,017. (See 1,507,016.)

1,573,374, P. A. Chamberlain, Radio condenser; 1,795,214, 1,707,617, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,907,555, A. B. Moulton, Uni-control heterodyne receiver, filed Oct. 20, 1939, D. C., N. D. Ill., E. Div., Doc. 1037, *R. C. A. et al.* v. *S. Posen et al.* (*Precision Radio Co.*).

1,573,940, G. F. Hochriem, Coin return weighing scales, filed Oct. 16, 1939, D. C., N. D. Ill., E. Div., Doc. 1026, *G. F. Hochriem* v. *C. R. Kirk & Co.*

1,579,497. (See Re. 17,405.)

1,602,175. (See Re. 17,405.)

1,707,617. (See 1,573,374.)

1,788,112, J. J. Lawler, Thermostatic mixing valve, filed Oct. 13, 1939, D. C., S. D. N. Y., Doc. 6/61, *Lawler Automatic Controls, Inc.*, v. *Yula Water Heaters, Inc.*

1,795,214. (See 1,573,374.) 1,811,095. (See 1,507,016.)

1,810,389. (See Re. 17,622.)

1,878,239, J. Holtzman, Door lock, filed Nov. 2, 1939, D. C., S. D. N. Y., Doc. 6/214, *J. Holtzman* v. *Eagle Lock Co.*

1,879,768, I. H. Shalomith, Terminal connection for electric lamp sockets, filed Nov. 8, 1939, D. C., E. D. N. Y., Doc. 677, *J. B. Lew et al.* v. *J. Morris & Co., Inc., et al.*

1,894,197. (See 1,573,374.) 1,907,555. (See 1,573,374.)

1,936,162. (See 1,507,016.)

1,970,698, H. H. Hanson, Portable repair vulcanizer, C. C. A., 6th Cir., Doc. 7894–5, *The Shaler Co.* v. *Rite-Way Products, Inc., et al.* Patent held invalid for want of invention Nov. 7, 1939.

1,995,801, J. Field, Corset, filed Nov. 4, 1939, D. C., E. D. N. Y., Doc. 674, *The Warner Bros., Inc.*, v. *Treo Co., Inc.*

2,012,846, M. T. Bentzen, Multiple outlet spout, C. C. A., 8th Cir., Doc. 11464, *General Metalware Co.* v. *W. L. Nelson* (*Broadway Hardware*). Decree affirmed Nov. 4, 1939.

2,115,642, E. Martin, Electrical conductor terminal cap, filed Oct. 17, 1939, D. C., N. D. Ill., E. Div., Doc. 1031, *G. H. Glade, Jr.*, v. *Walgreen Co.*

2,131,791. (See Re. 20,544.)

2,156,704, H. J. Seman, Collar construction, filed Oct. 23, 1939, D. C., E. D. Pa., Doc. 612, *H. J. Seman* v. *S. Leibovitz* (*Supreme Shirt Co.*).

2,156,973, W. A. Davis, Extension device; 2,157,076, E. Haeffner, Bracelet construction, filed Nov. 4, 1939, D. C., E. D. Pa., Doc. 628, *Gemex Co.* v. *L. & C. Mayers Co., Inc.*

2,157,076. (See 2,156,973.)

2,176,831, C. E. Zimmerman, Application of cosmetics, filed Oct. 28, 1939, D. C., N. D. Ill., E. Div., Doc. 1077, *C. E. Zimmerman* v. *Neisner Bros., Inc.*

Re. 16,175, W. B. Allen, Interior wall finish, filed Sept. 26, 1939, D. C., N. D. Ill., E. Div., Doc. 973, *Atlantic Research Associates, Inc.*, v. *National Gypsum Co.*

Re. 17,405 (of 1,427,700), L. L. Scott, Oil burning heating system; 1,579,497, L. I. Aldrich, Safety control mechanism for electrically controlled fuel burning devices; 1,602,175, same, Electric control system for fuel oil burners, appeal filed Nov. 6, 1939, C. C. A., 2d Cir., Doc. —, *The Cleveland Trust Co.* v. *Osher & Reiss, Inc.*

Re. 17,622, A. J. Janda, Marcel waver; 1,819,389, J. J. Ryan, Marcel waver, D. C., E. D. Pa., Doc. 8559, *J. J. Ryan et al.* v. *H. M. Powell* (*Powell Distributing Co.* Bill and counter-claim dismissed Oct. 23, 1939.

Re. 18,579. (See 1,507,016.)

Des. 109,937, R. La Ginsa, Dress, D. C., S. D. N. Y., Doc. E 87/129, *S. & M. Litt, Inc.*, v. *Rose Marie Frocks, Inc., et al.* Consent decree as to Rose Marie Frocks, Inc., Dec. 5, 1938. Judgment as to Alpine Dance Frocks, Inc., Oct. 13, 1939.

Des. 111,938, Des. 111,941, M. Reich, Dress ensemble, D. C., S. D. N. Y., Doc. 1/283, *Reich Dress Co., Inc.*, v. *Varsity Dress Co., Inc.* Consent decree for plaintiff (notice Nov. 2, 1939).

Des. 111,941. (See Des. 111,938.)

Des. 116,001, K. Rost, Dress, D. C., S. D. N. Y., Doc. 6/117, *Packard Dresses, Inc.*, v. *Slimbilt Dress Co., Inc.* Consent judgment for plaintiff (notice Nov. 6, 1939).

Des. 116,125, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 5/270, *Apex Dress Co., Inc.*, v. *L. Hirsch, Inc.* Consent decree for plaintiff (notice Nov. 4, 1939). Doc. 5/272, *Apex Dress Co., Inc.*, v. *Tru-Blu Dress Co., Inc.* Consent decree for plaintiff (notice Nov. 13, 1939).

Des. 116,643, S. Faden, Dress, filed Oct. 11, 1939, D. C., S. D. N. Y., Doc. 6/59, *B. Weinberg et al.* v. *H. Schultz* (*Perfect Dress & Costume Co.*).

Des. 116,764, D. Haon, Dress, filed Nov. 2, 1939, D. C., S. D. N. Y., Doc. 6/207, *Sheila-Lynn, Inc.*, v. *M. Feinberg-M. Wiesen, Inc.*

Des. 116,898, E. Breer, Dress, filed Oct. 9, 1939, D. C., S. D. N. Y., Doc. 6/127, *Musman-Pincus, Inc.*, v. *Neufeld-Furst & Co., Inc.*

Des. 117,135, M. Verrand, Dress, filed Nov. 2, 1939, D. C., S. D. N. Y., Doc. 6/206, *Neufeld-Furst & Co., Inc.*, v. *Darcy Dress, Inc., et al.*

Des. 117,201, M. Stein, Dress, filed Nov. 2, 1939, D. C., S. D. N. Y., Doc. 6/208, *Pomette Dress Corp.* v. *A. Futterman-Mike Sotto, Inc.*

Des. 117,215, J. Chambart, Dress, filed Oct. 11, 1939, D. C., S. D. N. Y., Doc. 6/45, *Mike-Levine, Inc.*, v. *Wald & Waltzer, Inc.*

Des. 117,225, J. Chambart, Dress, filed Oct. 11, 1939, D. C., S. D. N. Y., Doc. 6/47, *Mike-Levine, Inc.*, v. *J Samuels et al.* (*Lily Fair Dress Co.*). Doc. 6/291, *Mike-Levine, Inc.*, v. *Slender Maid Dresses, Inc.*

Adjudicated Patents

(C. C. A. Mich.) Loucks and Gillett patent, No. 1,574,586, for building construction, claims 5, 6, and 7 *Held* invalid. *K. C. Mahon Co.* v. *Detroit Steel Products Co.*, 107 F.(2d) 335.

(C. C. A. Ill.) Gail patent, No. 1,677,232, for mattress or cushion and boxing therefor and process of making same, claim 1, when strictly limited to its express terms, *Held* valid, but not infringed. *Simmons Co.* v. *Superior Felt & Bedding Co.*, 107 F.(2d) 536.

(C. C. A. Mich.) Williams patent, No. 1,771,386, for molding for automobile bodies and the like, claims 1 to 3 *Held* invalid, and not infringed even if valid. *Williams* v. *Allied Metal Products Corporation*, 107 F.(2d) 309.

(C. C. A. Pa.) Ousdahl patent, No. 1,886,577, for coal burning apparatus, claims 21, 22, 24, and 26 *Held* not infringed. *Gardiner* v. *Freed Heater & Manufacturing Co.*, 107 F.(2d) 364.

(C. C. A. Ill.) Gail patent, No. 1,915,659, for mattress edge construction, claims 1, 3, 4, 6, 7, 8, 9, 10, 11, 16, 18, 19, 20, and 21 *Held* invalid and not infringed. *Simmons Co.* v. *Superior Felt & Bedding Co.*, 107 F.(2d) 536.

(C. C. A. N. Y.) Beadle patent, No. 1,916,943, for hair former, claims 5, 8, 9, and 14 *Held* invalid. *Beadle* v. *F. W. Woolworth Co.*, 107 F.(2d) 752.

(C. C. A. Mich.) Litle patent, No. 1,940,628, for hot spot manifold, claims 4 to 8 *Held* not infringed. *Holley* v. *Goldner Sales Co.*, 107 F.(2d) 494.

(D. C. Ohio.) Isett patent, No. 1,957,596, for method of repairing, widening, and resurfacing concrete roads, *Held* invalid. *Isett* v. *Rowe*, 30 F. Supp. 66.

(D. C. Ohio.) Isett patent, No. 2,039,420, for method of constructing, repairing and widening concrete roads, *Held* invalid. *Id.*

(C. C. A. Colo.) Caesar reissue patent, No. 17,131, for heating apparatus for automotive vehicles, *Held* invalid. *Tropic-Aire* v. *Cullen-Thompson Motor Co.*, 107 F.(2d) 671.

(C. C. A. N. Y.) Mayer reissue patent, No. 18,841, for hair waving method, *Held* not contributorily infringed. *Philad Co.* v. *Lechler Laboratories*, 107 F.(2d) 747.

(C. C. A. Calif.) Kohler reissue patent, No. 20,024, for apparatus for treating nuts, *Held* valid and infringed. *National Nut Co. of California* v. *Sontag Chain Stores Co.*, 107 F.(2d) 318.

(C. C. A. Calif.) Kohler design patent, No. 89,347, for nut buttering machine, *Held* not infringed. *Id.*

Disclaimers

2,118,600.—*Martin Frisch*, Cranford, N. J. METHOD AND APPARATUS FOR COMBUSTION. Patent dated May 24, 1938. Disclaimer filed January 12, 1940, by the assignee, *Foster Wheeler Corporation*.

Hereby enters this disclaimer to claims 1 to 10 inclusive of the above identified patent.

2,166,629.—*Howard D. White*, Springfield, Mass. REFRIGERATOR CABINET CONSTRUCTION. Patent dated July 18, 1939. Disclaimer filed January 12, 1940, by the inventor; the assignee, *Westinghouse Electric & Manufacturing Company*, consenting.

Hereby disclaims claims 10 and 11 of the above patent.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 6, 1940

[VOL. 511. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 418,036. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed Apr. 10, 1939.

PALADON

For Artificial Resin Masses for the Manufacture of the Following Articles of Manufacture—Viz., Tooth Filling Means, Molding Masses for Dental Purposes, Artificial Teeth, Proteses, Dental Crowns, Dental Bridges, and Palate Plates.

Claims use since Oct. 11, 1938.

Ser. No. 424,129. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 2, 1939.

GENERAL CORULYTE

For Shoe Fillers.

Claims use since Aug. 2, 1930.

Ser. No. 424,706. THE BELT SEED COMPANY INC., Baltimore, Md. Filed Oct. 16, 1939.



No claim is made to the words "Ever Green Lawn Grass" and the representation of the carton.

For Lawn Grass Seed.

Claims use since 1921.

Ser. No. 425,423. PIERCE PLASTICS, INC., Bay City, Mich. Filed Nov. 8, 1939.

PERMALON

For Extruded Strands, Filaments, Fibers, and Imitation Gut Made in Whole or in Part of Synthetic Organic Plastics Adapted To Be Employed in Subsequent Fabrication of Thread, Yarn, Fabrics, Fish-Line, Fishing Leaders, Fish Nets, Tennis Racket Strings, and Cordage.

Claims use since July 25, 1939.

Ser. No. 425,967. POWELL DUFFRYN ASSOCIATED COLLIERIES, LIMITED, London, England. Filed Nov. 25, 1939.



PHURNACITE

No claim is made to the representation of the briquette apart from the mark.

For Coal and Coal Briquettes.

Claims use since June 28, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 425,670. ARTISTIQUE BAG CORP., New York, N. Y. Filed Nov. 15, 1939.

Art-cord

The word "Cord" and the representation of a bag are disclaimed apart from the mark.

For Handbags.

Claims use since Oct. 25, 1939.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 418,534. SHULTON, INC., New York, N. Y. Filed Apr. 21, 1939.



The female representation is fanciful.

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing and Cleaning Purposes; Laundry Soaps; Soap Flakes; Hand Soaps; Toilet Soaps; Soap Pastes, Washing Tablets, Bath Tablets, and Shampoo Soaps.

Claims use since Jan. 3, 1939.

Ser. No. 422,004. ALFRED EMILEY, New Lenox, Ill. Filed July 27, 1939.

MYSTERY

For Chemical Paste for Cleaning and Polishing Glass and Metal.

Claims use since July 18, 1939.

Ser. No. 422,662. DAVIO & BETSOLD, West Hatfield, Mass. Filed Aug. 16, 1939.

TOPSOL

TOP SOL

TOPS-ALL

For Cleaning Preparation for Sinks, Bathtubs, Toilets, and General Cleaning, Having Incidental Disinfectant, Germicidal, and De-odorizing Properties.

Claims use since Dec. 17, 1934.

Ser. No. 425,129. LEON PERLOFF, doing business as Squirtex Co., Philadelphia, Pa. Filed Oct. 30, 1939.

SQUIRTEX

For Preparation for Window-Cleaning, Cleaning Flat Glass, Porcelain, Tile, and Enamel, Without Water.

Claims use since June 2, 1939.

Ser. No. 425,391. ROBERT H. CLARK, doing business as Bathashay Distributors, Los Angeles, Calif. Filed Nov. 8, 1939.

BATH-A-SHAY

PINE

FOAMING BATH Sachet

The words "Bath", "Pine", and "Foaming Bath Sachet" are disclaimed apart from the mark.

For Scented, Effervescent Foaming Bath Powder To Be Used as a Substitute for Soap.

Claims use since July 21, 1938.

Ser. No. 426,247. CAPTIVANTE LABORATORIES, INC., New York, N. Y. Filed Dec. 5, 1939.

VALE

Lurly Hands

The drawing is lined for red.

For Hand Cleansing Fluid.

Claims use since Apr. 1, 1939.

Ser. No. 426,400. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Dec. 9, 1939.

DIASOL

For Dry Cleaner.

Claims use since Oct. 21, 1939.

Ser. No. 426,406. FITZPATRICK BROS., INC., Chicago, Ill. Filed Dec. 9, 1939.

BATHY

For Soap, Soap Flakes, Soap Chips, and a Cleaning Preparation in Finely Divided Form for Household Use.

Claims use since Nov. 10, 1939.

CLASS 5

Adhesives

Ser. No. 423,866. VAN CLEEF BROS., Chicago, Ill. Filed Sept. 22, 1939.

PlioSeal

No claim is made to the word "Seal" apart from the mark.

For Tape Comprising a Rubber Hydrohalide Backing Strip and an Adhesive Coating.

Claims use since Dec. 28, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 423,058. BALTIMORE BIOLOGICAL LABORATORY, Baltimore, Md. Filed Aug. 28, 1939.

B-B-L

DESOXYCHOLATE-CITRATE AGAR

Powdered

The words "Desoxycholate", "Citrate Agar", and "Powdered" are disclaimed apart from the mark.

For Biologicals, Biological Materials and Preparations, Culture Media, Inhibiters for Bacteria and Cultures, Differentiates for Cultures, Differentiates for Bacteriae, Stains, Detectors for Bacteriae, Detectors for Cultures, Detectors for Bacilli, Detectors for Colon Bacilli, Detectors for Milk, Bacilli, Detectors for Water Bacilli, Differentiates for Escherechia, Differentiates for Aerobacters, Isolators of Intestinal Pathogens, Detectors of Proteolytic Bacilli (in Milk), Comparativators for Typhoid and Dysentery Bacilli, Comparativators for Paratyphoid Bacilli, Isolators of Shiga Dysentery Bacilli, Bile Specifics, Typhoid Differentiates, Paratyphoid Differentiates, Cholera Indicators and Differentiates, Bacteriae Solvents, Gel Membrane Analysers, Colonal Bacteriae, Enumerators of Colonies of Bacilli, Segregators of Bacilli, Infusions for Cultures, Biological Concentrates, Cultures for Citrobacter Bacilli, Treatments for Alkaligenes, Pyocyneus, Salmonella, and Proteus Bacilli, Differentiates for Gram Negative Microorganisms, Differentiates for Gram Positive Microorganisms, Differentiates for Microorganisms, Fertilizers for Microorganisms, Fertilizers for Colon Bacilli.

Claims use since Feb. 28, 1935.

Ser. No. 423,067. BALTIMORE BIOLOGICAL LABORATORY, Baltimore, Md. Filed Aug. 28, 1939.

B-B-L

SELENITE-F ENRICHMENT

Powdered

The words "Selenite-F Enrichment" and "Powdered" are disclaimed apart from the mark.

For Biologicals, Biological Materials and Preparations, Culture Media, Inhibiters for Bacteria and Cultures, Differentiates for Cultures, Differentiates for Bacteriae, Stains, Detectors for Bacteriae, Detectors for Cultures, Detectors for Bacilli, Detectors for Colon Bacilli, Detectors for Milk Bacilli, Detectors for Water Bacilli, Differentiates for Escherechia, Differentiates for Aerobacters, Isolators of Intestinal Pathogens, Detectors of Proteolytic Bacilli (in Milk), Comparativators for Typhoid and Dysentery Bacilli, Comparativators for Paratyphoid Bacilli, Isolators of Shiga Dysentery Bacilli, Bile Specifics, Typhoid Differentiates, Paratyphoid Differentiates, Cholera Indicators and Differentiates, Bacteriae Solvents, Gel Membrane Analysers, Colonal Bacteriae, Enumerators of Colonies of Bacilli, Segregators of Bacilli, Infusions for Cultures, Biological Concentrates, Cultures for Citrobacter Bacilli, Treatments for Alkaligenes, Pyocyneus, Salmonella, and Proteus Bacilli, Differentiates for Gram Negative Microorganisms, Differentiates for Gram Positive Microorganisms, Differentiates for Microorganisms, Fertilizers for Microorganisms, Fertilizers for Colon Bacilli.

Claims use since Feb. 28, 1935.

Ser. No. 423,395. YBRY, INC., New York, N. Y. Filed Sept. 7, 1939.



For Toilet Articles and Cosmetics—Namely, Cologne, Perfumes, and Toilet Waters.

Claims use since Aug. 8, 1939.

Ser. No. 423,776. TABLE ROCK LABORATORIES, INC. Greenville, S. C. Filed Sept. 20, 1939.

FLANITHIN

For Preparation for the Treatment of Vitamin Deficiencies and Hypochlorhydria.

Claims use since Aug. 18, 1939.

Ser. No. 423,784. BITUCOTE PRODUCTS COMPANY, St. Louis, Mo. Filed Sept. 21, 1939.

EXO

For Emulsified Petroleum Coal Treating Material.
Claims use since June 1, 1938.

Ser. No. 423,800. CURRY LABORATORY, Camden, N. J. Filed Sept. 21, 1939.

Charm Glo

For Skin Tonic.
Claims use since Dec. 1, 1931.

Ser. No. 423,802. THE DAIRY LABORATORIES, Philadelphia, Pa. Filed Sept. 21, 1939.

Nu Mown Hay

For Antiseptics, Disinfectants, and Deodorants.
Claims use since June, 1939.

Ser. No. 423,897. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa. Filed Sept. 23, 1939.

TRI

For Fungicides, Insecticides, and Disinfectants.
Claims use since July 11, 1932.

Ser. No. 424,161. DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Oct. 3, 1939.



All wording except "Forni's", "Magolo", "1780", "P. Fahrney, M. D.", and "Dr. Peter Fahrney & Sons Co." is disclaimed apart from the mark.
For Preparation for Acute, Relaxed, and Disturbed Conditions of the Stomach and Bowels.
Claims use since July 25, 1939.

Ser. No. 424,162. DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Oct. 3, 1939.



All wording except "Dr. Peters", "Dr. Peter's", "Magolo", "1780", "P. Fahrney M. D.", and "Dr. Peter Fahrney & Sons Co." is disclaimed apart from the mark.
For Preparation for Acute, Relaxed, and Disturbed Conditions of the Stomach and Bowels.
Claims use since July 27, 1939.

Ser. No. 424,163. DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Oct. 3, 1939.



All wording except "Dra. Petra", "Dr. Peter's, "Dra. Piotra", "Magolo", "1780", "P. Fahrney, M. D.", and "Dr. Peter Fahrney & Sons Co." is disclaimed apart from the mark.
For Preparation for Acute, Relaxed, and Disturbed Conditions of the Stomach and Bowels.
Claims use since July 27, 1939.

Ser. No. 424,164. DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Oct. 3, 1939.



All wording except "Dr. Peter's," "Del Dottor Pietro", "Du Dr. Pierre", "Magolo", "1780", "P. Fahrney, M. D.", and "Dr. Peter Fahrney & Sons Co." is disclaimed apart from the mark.
For Preparation for Acute, Relaxed, and Disturbed Conditions of the Stomach and Bowels.
Claims use since July 25, 1939.

Ser. No. 424,698. THE SPECIAL FORMULA CORPORATION, Bloomfield, N. J. Filed Oct. 19, 1939.

CONSUMERS' SPECIAL

No claim is made to the term "Special" apart from the mark.
For Eau de Cologne, Face Powder, Skin Freshener, Night Cream, Cleansing Cream, Cold Cream, Hand Lotion, and Shampoo.
Claims use since Sept. 26, 1939.

Ser. No. 424,712. D. A. CAUGHRAN, Marshfield, Mo. Filed Oct. 20, 1939.

SCAR LESS DAC LINI MENT

No claim is made to the words "Scarless Liniment" apart from the mark.
For Liniment for Use in the Treatment of Cuts, Bruises, Burns, Stings, Bites, Old Sores, and Wire Cuts.
Claims use since Oct. 14, 1939.

Ser. No. 425,170. FLORENCE A. VESSIE, New York, N. Y. Filed Nov. 2, 1939.

MOLIRON

For Medicinal Preparations Containing Molybdenum and Iron Used in the Treatment of Iron Deficiency, Including Secondary Anemia.
Claims use since Jan. 28, 1938.

Ser. No. 425,322. LUIGI AIELLO, Archbald, Pa. Filed Nov. 7, 1939.



The portrait is that of applicant.
For Medicinal Preparation for Treating Athlete's Foot and Foot Perspiration.
Claims use since June 1, 1939.

Ser. No. 425,529. PALIVER LABORATORIES, INC., New York, N. Y. Filed Nov. 10, 1939.

PALIVER

For Medicinal Preparation for the Treatment of Anemia.
Claims use since Apr. 1, 1937.

Ser. No. 425,729. CHADWICK CHEMICAL CO., Newark, N. J. Filed Nov. 17, 1939.

Krekt

For Hair Tints, Dyes, Tonics, Rinses, and Lotions; Nail Preparations; Hair and Scalp Oils and Conditioners; Shampoos; Dye Removers, and Beauty Pack.
Claims use since Sept. 8, 1939.

Ser. No. 425,733. FRANCES DENNEY, Philadelphia, Pa. Filed Nov. 17, 1939.

KNOCK-OUT RED

Applicant disclaims the word "Red" apart from the mark.
For Toilet Preparations—Namely, Lotions, Creams, Face Powder, Lipstick, and Rouge.
Claims use since Sept. 11, 1939.

Ser. No. 425,757. SCHERING CORPORATION, Bloomfield, N. J. Filed Nov. 17, 1939.

SULFACET

For Chemical Compound To Be Used in the Treatment or Prevention of Streptococcal, Gonococcal, Pneumococcal, Staphylococcal, and Other Bacterial Infections.
Claims use since Nov. 3, 1939.

Ser. No. 425,772. ABBOTT LABORATORIES, North Chicago, Ill. Filed Nov. 18, 1939.

ZYLCAINE

For Rectal Anesthetic.
Claims use since Oct. 14, 1939.

Ser. No. 425,779. DORALDINA COSMETICS, INC., New York, N. Y. Filed Nov. 18, 1939.

LA CONGA

For Toilet Water.
Claims use since Nov. 10, 1939.

Ser. No. 425,802. MELVIN CO., South Pasadena, Calif. Filed Nov. 18, 1939.

NO-NO

For Liquid Preparation Used as an Aid in Correcting Habit of Thumb and Finger Sucking and Nail Biting.
Claims use since Feb. 2, 1933.

Ser. No. 425,806. PHOTO CHEMICAL FOUNDATION, Los Angeles, Calif. Filed Nov. 18, 1939.



For Photographic Film Developer.
Claims use since Oct. 23, 1939.

Ser. No. 425,835. HOOVER & CO., INC., Kenosha, Wis. Filed Nov. 20, 1939.

DANTOL

For Medicinal Preparation Which Acts as a Diuretic and Vasodilator.
Claims use since July 1, 1939.

Ser. No. 425,879. CHEMISCHE FABRIK TEMPELHOF PREUSS & TEMMLER, Berlin-Tempelhof, Germany. Filed Nov. 22, 1939.

Atota

For Insecticides.
Claims use since 1922.

Ser. No. 425,919. FRIEDA L. JOHNSON, doing business as Johnson Products Company, Chicago, Ill. Filed Nov. 24, 1939.



For Preparation Used for Mending Hosiery and Textile Materials.
Claims use since November, 1933.

Ser. No. 425,920. THE KRYSTAL CO., Fresno, Calif. Filed Nov. 24, 1939.



For Suppositories for Treating Vaginal Conditions.
Claims use since Oct. 14, 1930.

Ser. No. 425,997. A. G., A. C., A. V. HARRIS, Bethpage, Tenn., and Bridgeport, Ind. Filed Nov. 27, 1939.

GO-HI

For Medicinal Preparations To Be Employed as a Blood Purifier, Stomach, Liver, and Kidney Treatment, Dropsy Treatment, and for a Liniment for External Application in the Treatment of Rheumatism, Sprains, and Bruises.
Claims use since Mar. 20, 1939.

Ser. No. 426,035. PETROLEUM SOLVENTS CORPORATION, New York, N. Y. Filed Nov. 28, 1939.

WOW

For Solvent and Cleaner for Dissolving Oil Residues, Sludge Formations, and Carbon Deposits and Cleaning Pipe Lines of Internal Combustion Engines and Which May Be Added to the Engine Fuel, but Incidentally Useful for Other Purposes.
Claims use since Nov. 17, 1939.

Ser. No. 426,071. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 29, 1939.

ASAFEDS

For Preparation Containing the Drug Asafetida as its Effective Therapeutic Ingredient or Containing Any Other Drug Suitable for the Same Purposes as That and Preparations for Use in Post-Operative Administration and Including Preparations for Rectal Medication and Including Suppositories and Including Anti-Flatulence Suppositories.
Claims use since Nov. 21, 1939.

Ser. No. 426,073. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 29, 1939.

CALIGESIC

For Antiseptic Preparations and Preparations for the Treatment of Injuries and/or Inflammations of the Skin and Mucous Membranes, and Ointments and Creams Generally, and Including Such for Any of Above Noted Purposes, Including Greaseless Ointments and Creams, also Including Anesthetic Ointments and Creams.
Claims use since Nov. 21, 1939.

Ser. No. 426,093. THE KNOX COMPANY, Los Angeles, Calif. Filed Nov. 30, 1939.



No claim is made to the outline of the label.
For Medicinal Preparations Having Analgesic, Stimulating, and Tonic Properties, Useful in Glandular Therapy, and Indicated in and For the Treatment of Prostatitis, Prostatorrhea, and Other Functional Disorders of the Prostate Gland, and as Urinary Antiseptics and Diuretics.
Claims use since Oct. 20, 1939.

Ser. No. 426,384. WHITE LABORATORIES, INC., Newark, N. J. Filed Dec. 8, 1939.

CHOOZ

For Preparation to Aid Digestion.
Claims use since Dec. 5, 1939.

Ser. No. 426,416. TEOTISIL LABORATORIES CORPORATION, New York, N. Y. Filed Dec. 9, 1939.

TEOTISIL

For Preparation for the Treatment and Relief of Bronchial Diseases.
Claims use since Dec. 11, 1936.

CLASS 9

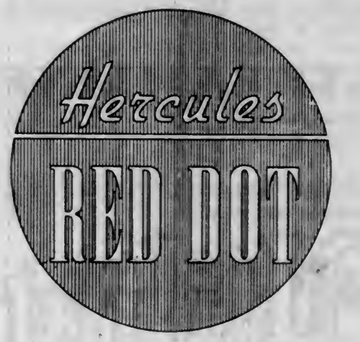
Explosives, Firearms, Equipments, and Projectiles

Ser. No. 425,237. JERRY EADS GEBBY, Dayton, Ohio. Filed Nov. 4, 1939.

VARMINTER

For Rifles, Ammunition, and Loading Tools—Namely, Cartridges, Empty Cartridge Cases, Small Hand-Loading Tools, and Parts for Small Loading Machines.
Claims use since Oct. 1, 1937.

Ser. No. 426,315. HERCULES POWDER COMPANY, Wilmington, Del. Filed Dec. 5, 1939.



The drawing is lined for red.
For Propellent Powder for Shotguns, Rifled Arms, Etc.
Claims use since Oct. 26, 1939.

CLASS 10

Fertilizers

Ser. No. 413,477. GESELLSCHAFT FÜR NEUZEITLICHE BODENBEHANDLUNG M. B. H., NAAKI-VERTRIEB, Berlin, Germany. Filed Dec. 5, 1938.

NAAKI

NAAKI

For Fertilizers.
Claims use since February, 1937.

CLASS 12

Construction Materials

Ser. No. 421,173. AKTIESELSKABET SKARREHAGE MOLERVAERK, Nykbing Mors, Denmark. Filed July 1, 1939.



For Insulating Bricks, Partition Blocks, Slabs, Floor Blocks, and Loose Material Produced from Calcined Diatomaceous Earth.
Claims use since Nov. 5, 1927.

Ser. No. 421,300. E. L. BRUCE COMPANY, Memphis, Tenn. Filed July 6, 1939.

STREAMLINE

For Wood Flooring.
Claims use since Mar. 3, 1939.

Ser. No. 425,682. BARBER ASPHALT CORPORATION, Barber, N. J. Filed Nov. 16, 1939.

Utility

For Plastic Cement and Fiber Coating.
Claims use since Oct. 25, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 427,007. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Dec. 30, 1939.

CORONA

For Horseshoe nails.
Claims use since Mar. 19, 1908.

CLASS 16

Paints and Painters' Materials

Ser. No. 423,566. KEEL & COMPANY, INC., Philadelphia, Pa. Filed Sept. 13, 1939.

"TIRE-TONE"

For Rubber Paste Paint for Dressing and Weatherproofing Rubber Surfaces, Especially Tires, also for Preserving and Revitalizing Rubber Air Bags Used for Tire Vulcanizing and Retreading.
Claims use since Jan. 9, 1938.

Ser. No. 425,481. MODERNE SALES COMPANY, INC., Indianapolis, Ind. Filed Nov. 9, 1939.

LEATHER RE-NU

No claim is made to the word "Leather" apart from the mark.

For Specially Prepared Paint Product for Use in the Treatment of Leather, Imitation Leather, and Patent Leather, and for Restoring and/or Changing to a Desired Color Articles Made of the Aforesaid Materials.
Claims use since Jan. 4, 1938.

Ser. No. 425,867. THE WAXMASTER COMPANY, Wellsville, Ohio. Filed Nov. 21, 1939.

WAXMASTER

For Powder for Giving Waxed Surfaces a Lustrous, Hard, and Wear-Resisting Finish and for Sealing the Wax on Finished Surfaces.
Claims use since Oct. 1, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 419,488. RAY-O-ZONE PRODUCTS CORPORATION, Houghton, Mich., and Portland, Oreg. Filed May 16, 1939.

RAY-O-ZONE

The expression "O-Zone" is disclaimed apart from the mark.

For Machines for Generating Ozone.
Claims use since July 15, 1934.

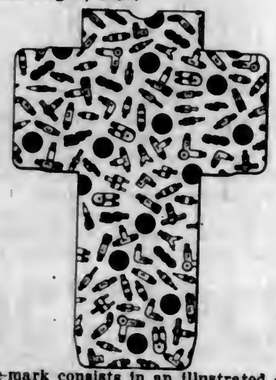
Ser. No. 422,302. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Aug. 4, 1939.



The trade-mark consists in an illustrated design covering either a portion or the entire outer surface of the container of the goods, in which design various representations of the actual goods are interspersed with representations of applicant's initials T & B within a circle. The representation of said carton and the goods shown thereon is disclaimed.

For Electrical Conduit Fittings, Solderless Wiring Connectors, and Similar Wiring Appliances—Namely, Conduit Adapters, Receptacles, Conduit Bushings, Cable Connectors, Conduit Elbows, Cable-Connector Extensions, Conduit Couplings, Conduit Connectors, Conduit Enlargers, Conduit and Cable-Service Heads, Conduit Entrance L's, Grounding Fittings, Knockout Adapters, Knockout Plugs, Conduit Lock Nuts, Conduit Nipples, Knockout Pennies, Conduit Reducers, Knockout Reducing Pennies, Solderless Connectors for Electrical Conductors, Conduit Supports, Cable Straps, Outlet-Box Supports, Fixture Studs, and Conduit Straps.
Claims use since Apr. 11, 1935.

Ser. No. 422,345. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Aug. 5, 1939.



The trade-mark consists in an illustrated design covering either a portion or the entire outer surface of the container of the goods, in which design various representations of the actual goods are interspersed with representations of applicant's initials T & B within a circle, all said representations being stamped or printed in blue color. The representation of said carton and goods shown thereon is disclaimed.

For Electrical Conduit Fittings, Solderless Wiring Connectors, and Similar Wiring Appliances—Namely, Conduit Adapters, Receptacles, Conduit Bushings, Cable Connectors, Conduit Elbows, Cable-Connector Extensions, Conduit Couplings, Conduit Connectors, Conduit Enlargers, Conduit and Cable-Service Heads, Conduit Entrance L's, Grounding Fittings, Knockout Adapters, Knockout Plugs, Conduit Lock Nuts, Conduit Nipples, Knockout Pennies, Conduit Reducers, Knockout Reducing Pennies, Solderless Connectors for Electrical Conductors, Conduit Supports, Cable Straps, Outlet-Box Supports, Fixture Studs, and Conduit Straps.
Claims use since Apr. 11, 1935.

Ser. No. 422,795. ELRAM LAMP WORKS, Hoboken, N. J. Filed Aug. 17, 1939.

ELECTRA

For Electric Lamps.
Claims use since July 6, 1939.

Ser. No. 425,023. CHARLES A. WALLERSTEIN, Brooklyn, N. Y. Filed Oct. 28, 1939.

TERMI-LUBES

For Attachment to Batteries in Motor Vehicles Used to Prevent Corrosion Thereon in the Nature of an Oil-Saturated Felt Lined Lead Pan for Battery Posts.
Claims use since Oct. 14, 1939.

Ser. No. 426,289. THE FILTEX CORPORATION, Jackson, Mich. Filed Dec. 6, 1939.

FILTEX

For Electric Vacuum Sweepers and Cleaners.
Claims use since Nov. 25, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 422,029. JOSEPH T. WOOD CO., Ware, Mass. Filed July 27, 1939.

CANADIAN FLYER

Applicant disclaims the term "Canadian" apart from the mark.

For Ice Skating Outfits Including Skates and Shoes.
Claims use since Jan. 15, 1926.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 399,529. UTAH ROYALTY CORPORATION, Salt Lake City, Utah. Filed Nov. 10, 1937.

CENTRIFLEX

For a Weighted or Winged Eccentric Bearing for Use in Machines for Crushing, Pulverizing, and Grinding Refractory and Ceramic Materials and Grains, Berries, and Similar Materials and Commodities; Machines for Screening and Classifying Refractory and Ceramic Materials and Grains and Berries and Similar Materials and Commodi-

ties; Machines for Compressing Liquids and Gases and for Hammering and Breaking Refractory Materials and Hard Surfaces; Gasoline, Diesel and Other Engines.
Claims use since Nov. 30, 1935.

Ser. No. 420,635. FRENCHTOWN PORCELAIN COMPANY, Frenchtown, N. J. Filed June 17, 1939.

TUFBLAST

For Sand Blast Nozzles and Parts Thereof Formed Entirely or Throughout the Abrasive Contacting Portions Thereof, of Ceramic Material or Porcelain.
Claims use since Apr. 6, 1939.

Ser. No. 421,114. SCHICK DRY SHAVER, INC., Stamford, Conn. Filed June 30, 1939.

Shavette

For Dry Shavers, Shearing Heads for Dry Shavers, and Casings for Dry Shavers.
Claims use since February, 1938.

Ser. No. 423,576. LANDON P. SMITH, INC., Irvington, N. J. Filed Sept. 13, 1939.



The mark consists in the words "Red Devil" in an oval shaped depression in the handle of the tool. The depression has a red background, the letters being of the same color as the rest of the article. The representation of the goods is disclaimed apart from the mark.
For Glass Cutters, Wood Scrapers, Wall Scrapers, and Putty Knives.
Claims use since Feb. 1, 1900.

Ser. No. 424,686. G & B MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 19, 1939.

G
MAR & KER
B

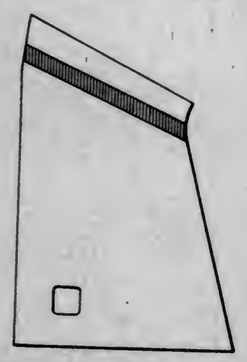
No claim is made to the term "Marker" apart from the mark.
For a Mechanical Marker of a Type Embodying a Casing Having a Marking Wheel Journaled Therein and Equipped with Means for Feeding a Powdered Material to the Wheel for Making "Chalk" Lines on Cloth, Furs, Leather, and Like Materials, by Movement of the Marker Thereover, for Use as "Pattern" or "Incision" Lines, by Tailors, Manufacturers, and Others.
Claims use since Sept. 1, 1939.

Ser. No. 425,572. THE JOYCE-CRIDLAND COMPANY, Dayton, Ohio. Filed Nov. 13, 1939.

Conservitaire

For Air Compressing and Distributing Apparatus.
Claims use since Nov. 29, 1938.

Ser. No. 425,730. COLUMBUS IRON WORKS COMPANY, Columbus, Ga. Filed Nov. 17, 1939.



Trade-mark consists of a thin red line placed at the extreme top side of the beveled edge of all of the articles and lying in between the polished or beveled edge and the main body of the article. No claim is made to the representation of the goods.
For Plow and Cultivator Parts—Namely, Shovels, Sweeps, Bull Tongues, Wings or Moldboards, Heel Scrapes or Heel Sweeps, Blades, Scooters, Points, and Shapes.
Claims use since Sept. 22, 1939.

Ser. No. 425,731. CURTIS UNIVERSAL JOINT CO., INC., Springfield, Mass. Filed Nov. 17, 1939.

CU

For Universal Joints.
Claims use since Nov. 4, 1939.

Ser. No. 425,870. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Nov. 21, 1939.

W

For Oil Burner Fuel Pumps.
Claims use since July 1, 1932.

Ser. No. 425,872. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Nov. 21, 1939.



For Oil Burner Fuel Pumps.
Claims use since July 1, 1932.

Ser. No. 426,118. RUSSELL ERNEST BAUM, Philadelphia, Pa. Filed Dec. 1, 1939.

OCTUPLET

For Paper Folding Machines.
Claims use since Sept. 20, 1939.

Ser. No. 426,119. RUSSELL ERNEST BAUM, Philadelphia, Pa. Filed Dec. 1, 1939.

DECUPLET

For Paper Folding Machines.
Claims use since Oct. 3, 1939.

CLASS 24

Laundry Appliances and Machines

Ser. No. 421,144. THE MEADOWS CORPORATION, Chicago, Ill. Filed June 30, 1939.

Meadows

For Ironing Machines.
Claims use since Mar. 30, 1931.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 405,141. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed Apr. 11, 1938.

TELE
FUN
KEN

For Voltmeters, Ammeters, Wave Meters, Frequency Meters, Altimeters, Goniometers, Instruments for Measuring Resistance, Instruments for Measuring Damping Effects, Instruments for Measuring the Intensity of Sound, Instruments for Measuring Distance, Instruments for Recording the Characteristics of Discharge Tubes, Instruments for Recording the Characteristics of Loudspeakers and Microphones, Oscillographs, Instruments Used in the Art of Surveying Including Theodolites, Leveling Instruments, Sine Compasses, Instruments for Determining Angles and Dimensions, Instruments Used in the Art of Navigation for Determining Bearings on Sea Including Sextants, Compasses, Calculators, Sounding Instruments, Instruments and Apparatus Models for Demonstrating Physical Phenomena Including Apparatus for Demonstrating the Occurrence of Standing Waves Along Conductors and Apparatus, Cross-Sectional Demonstration Models of Apparatus Such As Tubes, Loudspeakers, Microphones, Measuring and Indicating Instruments, Demonstration Boards for Assemblies of Circuits and Apparatus and the Connection Therebetween, Assembled Motion Picture Cameras and Motion Picture Projector Units, Apparatus for Producing and Reproducing Light-Sound Impressions on Paper and Film, and Apparatus for Remotely Reproducing the Setting of Measuring, Indicating and Recording Instruments.
Claims use since December, 1936.

Ser. No. 415,589. FEDERAL STAMPING & ENGINEERING CORP., Brooklyn, N. Y. Filed Feb. 4, 1939.

FEDERAL

For Scientific Toys—Namely, Projecting Microscopes, Opaque Projectors for Drawing, Camera Lucidas, Optical

Construction Sets, Picture Projectors, Reading Machines, Stereoscopes and Pantagraphs; Laboratory Instruments—Namely, Micro Projectors; Orthoptic Training Machines; Optical Benches, Polarized Light Testing and Projecting Equipment, Projecting Equipment for Projecting Large or Reduced Images of Transparent or Opaque Images; Fingerprint and Stamp Magnifiers; Micro Film Reading Machines; Microscopes and Photometers; Photographic Equipment—Namely, Cameras and Shutters; Filters, Easels, and Finders; Film Developing and Fixing Tanks; Film Developing and Fixing Outfits; Electric Lamps for Photographic Use; Photo Enlargers; Photo Projection Printers; Film Viewers and Magnifiers; Exposure and Light Meters; Exposure Calculators and Testers; Film Files and Paper Holders; Film Pack Holders; Film Reels; Film Rewinds and Splicers; Film Editing Machine and Film Enlargers; Motion Picture Film Enlargers; Photo-Flash Synchronizers; Photographic Lighting Equipment; Timers and Foot Switches; Transparency Slide Mounting Frames; Lenses; Darkroom Safety Lights; Tripods and Accessories; Movie Cameras, Projectors, Screen and Tilting Outfits; Contact Printers; Print and Film Driers; Focussing Targets; Retouching Equipment; Range Finders; Print Flatteners and Presses; Copying Cameras; Microfilm Cameras; Photostat Machines, and Blueprint Machines.
Claims use since Nov. 3, 1937.

Ser. No. 418,434. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Apr. 19, 1939. Under section 5b of the act of 1905 as amended in 1920.

EDISON

For Regulators for Heating Apparatus—Namely, Thermostatic Fluid-Flow Regulating Valves.
Claims use since Mar. 4, 1937.

Ser. No. 418,435. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Apr. 19, 1939.

STACON

For Regulators for Heating Apparatus—Namely, Thermostatic Fluid-Flow Regulating Valves.
Claims use since Mar. 4, 1937.

Ser. No. 425,217. ALLEN CALCULATORS, INCORPORATED, New York, N. Y. Filed Nov. 4, 1939.

R.C. Allen

The mark is the signature of R. C. Allen, president of applicant corporation.
For Adding Machines, Calculators, Cash Registering Machines, and Bookkeeping Machines.
Claims use since October, 1934.

Ser. No. 425,463. COMMONWEALTH UTILITIES COMPANY, Chicago, Ill. Filed Nov. 9, 1939.

ACRO

For Cameras and Lenses Therefor.
Claims use since June 30, 1939.

Ser. No. 426,197. WILLIAM H. HARRISON, doing business as Harrison & Harrison, Los Angeles, Calif. Filed Dec. 4, 1939.

DURALINE

For Photographic Equipment, Including Light Filters, Light Shades, and Filter Holders.
Claims use since July 6, 1939.

CLASS 27

Horological Instruments

Ser. No. 411,951. NORMAN FLAXMAN, New York, N. Y. Filed Oct. 22, 1938.

NORMAN-WATCH "From Coast to Coast"

No claim is made to the word "Watch" apart from the mark.
For Watches, Dials, and Movements Used in Watches and Clocks.
Claims use since Jan. 1, 1937.

Ser. No. 419,736. SILBERT & WAINER, Winston-Salem, N. C. Filed May 23, 1939.

York

No claim is made to the words "York", "Elegance", and "Accuracy" apart from the mark.
For Time Pieces Particularly Ladies' and Men's Wrist Watches, Pocket Watches, Novelty Watches, and Clocks.
Claims use since March, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 425,859. THE ONAG CO., Denver, Colo. Filed Nov. 21, 1939.

Vibro-lectric

For Motor Driven Toothbrushes.
Claims use since Oct. 24, 1939.

CLASS 33

Glassware

Ser. No. 420,274. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed June 8, 1939.

A

For Glass Bottles, Jars, Jugs, Pots, Funnels, Glasses, and Packing Tumblers.
Claims use since Jan. 10, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 423,940. GENERAL WATER HEATER CORPORATION, Burbank, Calif. Filed Sept. 26, 1939.

Generiser

For Water Heating Thermo Siphon Heat Exchange Units for Water Heaters for Heating Water for Domestic, Commercial, and Industrial Purposes.
Claims use since Sept. 16, 1939.

Ser. No. 424,524. CHAS. W. POTTER, doing business as Potter Gas Service Company, Syracuse, N. Y. Filed Oct. 13, 1939.

ALADDIN

For Domestic Gas Distribution Units for Heating and Lighting, Gas Ranges, Combination Coal and Gas Ranges, Gas Water Heaters and Gas Space Heaters.
Claims use since Jan. 15, 1939.

Ser. No. 426,081. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 30, 1939.

ANEMO-KOOLER

The word "Kooler" is disclaimed apart from the mark.
For Air Cooling, Conditioning, and Ventilating Units.
Claims use since Oct. 15, 1939.

Ser. No. 426,082. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 30, 1939.

KOOL-O-STAT

For Air Cooling, Conditioning, and Ventilating Units.
Claims use since Oct. 15, 1939.

Ser. No. 426,121. CLIMAX REFLECTOR, INC., Canton, Ohio. Filed Dec. 1, 1939.

Climax Reflector

The word "Reflector" is disclaimed apart from the mark.
For Reflectors Used for Store Window Lighting, Display Lighting, and Advertising Signs.
Claims use since Aug. 21, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 405,142. TELEFUNKEN GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed Apr. 11, 1938.

TELE FUN KEN

For Sound Recording and Reproducing Apparatus—Namely, Apparatus for Producing Phonograph Records and Sound Foils, Phonographs, Phonograph Records, and Electrical Musical Instruments Wherein Electrical Oscillations are Produced and Converted into Acoustical Oscillations Including Pianos, Organs, and Instruments of the Trautonium and Theremin Types.
Claims use since December, 1936.

Ser. No. 424,875. THEODORE R. GREENBERG, Jackson Heights, Long Island, N. Y. Filed Oct. 25, 1939.

Ted Greenberg

The trade-mark is the facsimile signature of the applicant.
For Mouth Pieces for Musical Instruments.
Claims use since July 12, 1939.

Ser. No. 426,249. MORGAN J. DOYLE, doing business as Yankee Manufacturing Co., San Francisco, Calif. Filed Dec. 5, 1939.

YANKEE

For Clarinets, Saxophones, Flutes, Oboes, Bassoons, English Horns, Accordions, and Supplies for Said Instruments.
Claims use since June 10, 1939.

CLASS 37

Paper and Stationery

Ser. No. 416,756. THE PARKER PEN COMPANY, Janesville, Wis. Filed Mar. 6, 1939.

NONSTOP

For Fountain Pens, Mechanical Pencils, and Desk Sets.
Claims use since Jan. 6, 1939.

Ser. No. 423,270. DAVID KAHN, INC., North Bergen, N. J. Filed Sept. 2, 1939.



For Pencils, Particularly Mechanical Pencils, Fountain Pens, Pen and Pencil Sets, Pencil Leads, Refill Pencil Leads, Erasers for Pencils, and Pen Points.
Claims use since Aug. 14, 1939.

Ser. No. 423,271. DAVID KAHN, INC., North Bergen, N. J. Filed Sept. 2, 1939.

NEEDLEPOINT

For Pencils, Particularly Mechanical Pencils, Fountain Pens, Pen and Pencil Sets, Pencil Leads, Refill Pencil Leads, Erasers for Pencils, and Pen Points.
Claims use since Aug. 14, 1939.

Ser. No. 425,140. THE CRAFTINT MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 2, 1939.

WASHTONE

For Artists' Drawing Paper for Production of Camera Copy Chemically.
Claims use since June 26, 1939.

Ser. No. 425,377. ATLANTIC REGISTER COMPANY, Waltham, Mass. Filed Nov. 8, 1939.

ZEPHYR-PAK

Applicant disclaims the word "Pak" apart from the mark.
For Carbon Jackets.
Claims use since Mar. 12, 1937.

Ser. No. 425,378. ATLANTIC REGISTER COMPANY, Waltham, Mass. Filed Nov. 8, 1939.

PRE-PAK

Applicant disclaims the word "Pak" apart from the mark.
For Carbon Jackets.
Claims use since Sept. 14, 1936.

Ser. No. 425,705. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Nov. 16, 1939.

ECONOMY

For Paper Towels, Toilet Paper, and Wrapping Paper.
Claims use since 1921.

Ser. No. 425,906. TRUSSELL MANUFACTURING COMPANY, Poughkeepsie, N. Y. Filed Nov. 22, 1939.

MULT-O

For Loose Leaf Books and Binders.
Claims use since Aug. 1, 1939.

CLASS 38

Prints and Publications

Ser. No. 423,613. JANET C. WARFEL, Chicago, Ill. Filed Sept. 14, 1939.

BIO-BEAUTY

For Publications, Charts, Printed Data, Compilations, Analyses, and Opinions on Biochemistry Published Monthly or from Time to Time.
Claims use since Oct. 1, 1935.

Ser. No. 423,925. JOHN H. PETERS, Toledo, Ohio. Filed Sept. 25, 1939.

CHRONOLOG

For Time and Dating Charts and Guides with Circulars, Cards, and Rules and Instructions Pamphlets for Their Use, in Collection Systems and the Like.
Claims use since May, 1927.

Ser. No. 424,850. ABRAHAM GOODMAN, doing business as Timely Publications, New York, N. Y. Filed Oct. 24, 1939.

ADVENTURES OF
KA-ZAR
THE GREAT

For Comic Strip Series.
Claims use since Aug. 31, 1939.

Ser. No. 425,622. RUSSELL PALMER, Hoboken, N. J. Filed Nov. 14, 1939.

WORLD PETROLEUM REGISTER

For Annual Publication—Namely, a Directory Dealing with the Oil Industry.
Claims use since July 1, 1939.

CLASS 39

Clothing

Ser. No. 384,675. SOL SHERMAN, New York, N. Y. Filed Oct. 22, 1936.

The
SHOE STRING BOW



SHERMAN BOWS
NEW YORK

No claim is made to the words "Bow", "Tie It Like a Shoe String", "Sherman Bows" and "New York" apart from the mark.
For Neckties, Principally Bow Ties.
Claims use since October, 1924.

Ser. No. 415,397. THE JOHNSTON-SHELTON COMPANY, doing business as The Home Store, Dayton, Ohio. Filed Jan. 30, 1939.

HOMCO

For Ladies' Hosiery, Underwear, Dresses, and Lingerie—Namely, Chemises, Panties, Step-Ins, Bloomers, Gowns, Slips, Vests, Pajamas.
Claims use since May 19, 1933.

Ser. No. 415,775. GREENSPOON CLOTHING CO., INC., St. Louis, Mo. Filed Feb. 8, 1939.



No claim is made to the words "Spring", "Fall", and "Winter" apart from the mark.
For Men's and Boys' Coats.
Claims use since Jan. 23, 1939.

Ser. No. 416,454. CANNON SHOE COMPANY, Baltimore, Md. Filed Feb. 27, 1939.



CABALLERO

For Shoes Made of Rubber, Leather, Fabric and/or Combinations Thereof.
Claims use since Dec. 20, 1938.

Ser. No. 417,460. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Mar. 24, 1939.

Duplicoat

For Top Coats and Overcoats for Men and Young Men.
Claims use since Feb. 18, 1939.

Ser. No. 418,681. DURHAM HOSIERY MILLS, Durham, N. C. Filed Apr. 25, 1939.

QUEEN NAN

For Hosiery.
Claims use since July, 1914.

Ser. No. 419,911. DUNLOP RUBBER COMPANY LIMITED, Erdington, Birmingham, England. Filed May 27, 1939.

Magister

For Men's and Women's Clothing—Namely, Rainproof and Waterproof Coats, Rainproof and Waterproof Overtrousers and Slacks, Trouser Skirts (or Culottes), Weatherproofed Ski Suits and Golf Jackets, Waterproof Leatherette Coats and Gabardine Slacks, and Boots, Shoes, Slippers, Sandals, Leggings and Gaiters of Rubber and Fabric.
Claims use since April, 1938.

Ser. No. 420,857. HARDWICK WOOLEN MILLS, INC., Cleveland, Tenn. Filed June 23, 1939.

Parkview CLOTHES HWM

The word "Clothes" is disclaimed apart from the mark.
For Boys', Students', and Men's Clothing Consisting of Suits, Topcoats, and Overcoats.
Claims use since Apr. 8, 1934.

Ser. No. 421,964. THE BYARD MANUFACTURING COMPANY, LIMITED, Nottingham, England. Filed July 26, 1939.

RELIANCE

For Hair Nets.
Claims use since January, 1939.

Ser. No. 423,109. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo.; and also doing business as Famous-Barr Co., St. Louis, Mo. Filed Aug. 29, 1939.



For Infants' Diapers, Dresses, Coats, Hats, Caps, Leggings, and Wrappers.
Claims use since Nov. 14, 1936.

Ser. No. 423,644. S. WIEDER CO., INC., New York, N. Y. Filed Sept. 15, 1939.



The word "Frock" and the representation of a tag are disclaimed apart from the mark.
For Girls' and Misses' Dresses, Blouses, Skirts, and Suits.
Claims use since Feb. 23, 1938.

Ser. No. 424,420. AMERICAN KNITTING MILLS CO. INC., New York, N. Y. Filed Oct. 11, 1939.

Amnit

For Men's Knitted, Netted, and Textile Underwear, Sweaters, Sport Shirts, Bathing Suits of Wool or Cotton, and Combinations Thereof.
Claims use since April, 1930.

Ser. No. 424,958. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Oct. 27, 1939.

Air-Service

For Boots, Shoes, and Slippers of Leather, Fabric, or Combinations Thereof.
Claims use since Oct. 19, 1939.

Ser. No. 425,272. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Nov. 6, 1939.

COLLEGE CLOGS

The word "Clogs" is disclaimed apart from the mark.
For Women's and Misses' Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Feb. 28, 1939.

Ser. No. 425,466. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 9, 1939.

Sunningdale Shop

For Women's Outer Apparel—Namely, Suits, Coats, Dresses, Sweaters, Skirts, Jackets, Blouses, Play Suits, Shorts, Slacks, and Sport Shirts.
Claims use since Apr. 8, 1935.

Ser. No. 425,566. THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed Nov. 13, 1939.

MOCCASEAM

For Shoes Made of Leather and/or Cloth.
Claims use since Nov. 4, 1939.

Ser. No. 425,687. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 16, 1939.

Kool-Nite

The word "Kool" is disclaimed apart from the mark.
For Women's Night Gowns and Pajamas.
Claims use since Sept. 7, 1939.

Ser. No. 425,697. GEM-DANDY GARTER COMPANY, Madison, N. C. Filed Nov. 16, 1939. Under section 5b of the act of 1905, as amended in 1920.

NEW YORK

For Suspenders and Belts for Outer Wear.
Claims use since 1933.

Ser. No. 425,801. FRED A. MAYER SHOE COMPANY, Milwaukee, Wis. Filed Nov. 18, 1939.

Ecstasy FOOTWEAR
JOY IN EVERY STEP

The words "Footwear" and "Joy in Every Step" are disclaimed apart from the mark.
For Women's Shoes of Rubber, Leather, Fabric, or Combinations Thereof.
Claims use since Oct. 25, 1939.

Ser. No. 425,899. VIOLA DIMMITT MORGAN, doing business as Viola S. Dimmitt, Los Angeles, Calif. Filed Nov. 22, 1939.

Va Vite

For Lounge Pajamas, Hostess Pajamas, Tailored One-Piece Slacks, One-Piece Play Suits, One-Piece Tennis Suits, Slack Suits, and Play Suits.
Claims use since Aug. 1, 1939.

Ser. No. 425,928. OXFORD PANTS CO., INC., New York, N. Y. Filed Nov. 24, 1939.



The word "Cord" is disclaimed apart from the mark.
For Children's Suits, Jackets, Trousers, Vests, Slacks, Play Suits, and Shorts for Outer Wear, Which Garments Are Made Principally of Corduroy.
Claims use since Oct. 24, 1939.

Ser. No. 426,006. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 27, 1939.

"Many-Way"

Applicant disclaims the words "Many-Way" apart from the mark.
For Women's and Girls' Hats and Dresses.
Claims use since Sept. 15, 1939.

Ser. No. 426,058. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Nov. 29, 1939.

University Series
"COLLEGIATE"

For Hosiery.
Claims use since Nov. 13, 1939.

Ser. No. 426,299. JACK L. HONIG, INC., New York, N. Y. Filed Dec. 6, 1939.

YOKEL GIRL

For Children's and Misses' Dresses.
Claims use since Nov. 18, 1939.

Ser. No. 426,356. BARMON BROTHERS COMPANY, INC., Buffalo, N. Y. Filed Dec. 8, 1939.

Gracious Lady

For Women's Dresses.
Claims use since Nov. 19, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 424,489. J. J. NEWBERRY CO., New York, N. Y. Filed Oct. 12, 1939.

Marlene

For Safety Pins, Bias Tape, Bobby Hair-Pins, Spring Metal Hair-Pins, Elastic Webbing in the Hank, Buttons, Hair Combs, Dress Shields, Wrist Watch Ribbons and Shoulder Strap Ribbons Sold in Cut Lengths.
Claims use since January, 1937.

Ser. No. 425,477. PEARL KINNEAR MCGOWN, West Boylston, Mass. Filed Nov. 9, 1939.

HooKraft

For Burlap Fabric Pieces Having a Design Stamped Thereon for Hooked Rugs.
Claims use since November, 1932.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 424,638. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1939.



For Silk, Rayon, Cotton, Wool Yard Goods, Bath Towels, Linen Towels, Table Cloths, Napkins, Sheets, Pillow Cases, Textile Rugs and Carpets.
Claims use since June 1, 1939.

Ser. No. 426,195. GITTERMAN & CO., New York, N. Y. Filed Dec. 4, 1939.

COOL·BREEZE

The word "Cool" is disclaimed apart from the mark.
For Piece Goods of Rayon, Cotton, Wool, or Mixtures of These for Men's and Ladies' Shoes and Handbags.
Claims use since September, 1939.

CLASS 43

Thread and Yarn

Ser. No. 404,439. HILDA GOLDMAN, doing business as E-Z Thread Co., New York, N. Y. Filed Mar. 24, 1938.





No claim is made to the outline of the label or to the representation of the goods. All wording is disclaimed apart from the mark.
For Braided Yarns of Cotton, Wool, Silk, Rayon, and Combinations Thereof.
Claims use since Nov. 16, 1937.

Ser. No. 424,807. FRASER MANUFACTURING CO. INC., New York, N. Y. Filed Oct. 23, 1939.

Hobby Brand

No claim is made to the word "Brand" apart from the mark.
For Gimp Yarn.
Claims use since Oct. 9, 1939.

Ser. No. 425,285. MASSACHUSETTS TEXTILE COMPANY (BERNHARD ALTMANN, INC.), Fall River, Mass. Filed Nov. 6, 1939.

MTC

For Yarns.
Claims use since Oct. 28, 1939.

Ser. No. 426,155. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 2, 1939.

FORTECEL

For Yarns.
Claims use since Nov. 29, 1939.

Ser. No. 426,156. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 2, 1939.

FORTENESE

For Yarns.
Claims use since Nov. 29, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 426,240. WILLIAM A. BOWLES, doing business as Bowles Bros., Brockton, Mass. Filed Dec. 5, 1939.

SILVER K.O.

For Nonalcoholic, Maltless, Noncereal Beverages Sold as Soft Drinks and Syrups or Extracts for Making the Same.
Claims use since Aug. 1, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 391,597. UNITED STATES PRODUCTS CORPORATION, LTD., San Jose, Calif. Filed Apr. 20, 1937.

SIGNET

Applicant is the owner of trade-mark registration No. 167,847.
For Canned and Bottled Fruit Juices for Food Purposes.
Claims use since Mar. 27, 1937.

Ser. No. 397,289. THE KROGER GROCERY & BAKING Co., Cincinnati, Ohio. Filed Sept. 10, 1937.



The words "Pure" and "Fancy Selected Fillets" are disclaimed apart from the mark.
For Fresh Fish.
Claims use since Jan. 4, 1937.

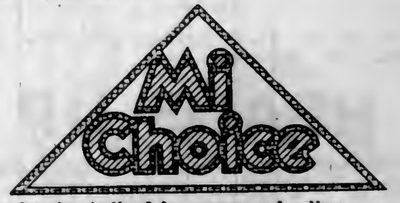
Ser. No. 399,643. EVERETT W. BUCK, JR., Oakdale, Iowa. Filed Nov. 12, 1937.

5 LITTLE Q's



For Candy.
Claims use since April, 1935.

Ser. No. 415,231. SHEDD PRODUCTS COMPANY, Detroit, Mich. Filed Jan. 25, 1939.



The drawing is lined for orange and yellow.
For Oleomargarine.
Claims use since Apr. 17, 1931.

Ser. No. 421,793. ARDEN FARMS, INC., Los Angeles, Calif. Filed July 21, 1939.

CREAMFREZETT

The word "Cream" is disclaimed apart from the mark.
For Ice Cream.
Claims use since Apr. 19, 1939.

Ser. No. 423,002. LUNENBURG SEA PRODUCTS, LTD., Lunenburg, Canada. Filed Aug. 25, 1939.

HIGH LINER

For Salt, Fresh, Frozen, and Smoked Fish of All Varieties.
Claims use since Feb. 15, 1927.

Ser. No. 423,386. THE PRESERVALINE MANUFACTURING CO., Brooklyn, N. Y. Filed Sept. 7, 1939.

VELTEX

For Thickener, Binder, Filler, Emulsifier and Stabilizer for Sausages and Other Prepared Meat Products.
Claims use since Aug. 18, 1938.

Ser. No. 424,444. SCHULTZ, BAUJÁN & COMPANY, Beardstown, Ill. Filed Oct. 11, 1939.



For Dog Food.
Claims use since Sept. 21, 1939.

Ser. No. 425,111. FRANK H. FLEER CORPORATION, Philadelphia, Pa. Filed Nov. 1, 1939.

HEADS UP

For Confections—Viz., Candy Coated Chewing Gum.
Claims use since Jan. 1, 1937.

Ser. No. 425,197. EVANS BROS., Riverside, Calif. Filed Nov. 3, 1939.

CAL-SWEET

No claim is made to the word "Sweet" apart from the mark.
For Fresh Citrus Fruit.
Claims use since Oct. 2, 1939.

Ser. No. 425,260. STEIN, HALL & COMPANY, INC., New York, N. Y. Filed Nov. 4, 1939.

LAKOE

For Locust Bean Gum As an Ingredient of Food.
Claims use since 1929.

Ser. No. 425,326. WILLIAM CATALDO, doing business as Williams Candy Co., Winter Hill, Somerville, Mass. Filed Nov. 7, 1939.



Farm-Hill Candies

No claim is made to the word "Candies" apart from the mark.
For Candy.
Claims use since Oct. 31, 1939.

Ser. No. 425,388. CAROLINA COFFEE COMPANY, Charleston, S. C. Filed Nov. 8, 1939.

WANDO HALL

For Coffee.
Claims use since July 22, 1939.

Ser. No. 425,397. CARL S. FRANKE, Akron, Ohio. Filed Nov. 8, 1939.

STROLLER
ICE CREAM SUNDAE CONE

No claim is made to the words "Ice Cream Sundae Cone" apart from the mark.
For Ice Cream Cones.
Claims use since Jan. 31, 1938.

Ser. No. 425,479. MID CITY WHOLESALE GROCERS, INC., Cicero, Ill. Filed Nov. 9, 1939.

STAR OF NAPLES

The word "Naples" is disclaimed apart from the mark.
For Tomato Paste.
Claims use since Oct. 2, 1939.

Ser. No. 425,709. SHIELD FOODS, INC., Buffalo, N. Y. Filed Nov. 16, 1939.

ORCHARD PARK

The words "Orchard Park" are disclaimed apart from the mark.
For Canned Fruits and Vegetables, Including Apricots, Cherries, Fruit Cocktail, Fruit Salad, Grapefruit, Peaches, Pineapple, Prunes, Black Raspberries, Asparagus, Soaked Lima Beans, Fresh Lima Beans, Red Kidney Beans, Cut Refugee Beans, Cut Wax Beans, Carrots, Corn, Pumpkin, Spinach and Succotash; Catsup, Chili Sauce, Jellies, Orange Marmalade, Macaroni Salad, Potato Salad, Peanut Butter, Pickles, Fruit Preserves, Grapefruit Juice, Applesauce, Sauerkraut and Ripe Olives.

Claims use in 1935 since about September 1 on cherries and black raspberries, since about October 1 on corn, since about November 1 on cut wax beans, cut refugee beans and succotash, and since about December 1 on peaches, red kidney beans and carrots; in 1936, since about January 1 on fruit cocktail and soaked lima beans, since about March 1 on apricots and grapefruit, since about June 1 on catsup, since about July 1 on spinach, since about September 1 on asparagus, since about October 1 on pumpkin, since about November 1 on prunes, since about December 1 on ripe olives; in 1937, since about February 1 on pineapple, since about March 1 on grapefruit juice; in 1938, since about January 1 on chili sauce, since about March 1 on fresh lima beans, since about April 1 on potato salad, since about May 1 on fruit salad, since about June 1 on orange marmalade and fruit preserves, since about September 1 on sauerkraut and macaroni salad, since about October 1 on peanut butter, and since about November 1 on apple sauce; in 1939, since about July 1 on pickles, and since about August 1 on jellies.

Ser. No. 425,737. A. GIURLANI & BRO., San Francisco, Calif. Filed Nov. 17, 1939.

El Padre



For Olive Oil.
Claims use since May 8, 1939.

Ser. No. 426,148. AMERICAN RICE GROWERS COOPERATIVE ASSOCIATION, Lake Charles, La. Filed Dec. 2, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

SNOBRITE



For Rice.
Claims use since Nov. 24, 1939.

Ser. No. 426,200. J. M. INGRAM FRUIT CORPORATION, Tampa, Fla. Filed Dec. 4, 1939.

DEALER'S CHOICE

For Fresh Citrus Fruit.
Claims use since October, 1937.

Ser. No. 426,201. J. M. INGRAM FRUIT CORPORATION, Tampa, Fla. Filed Dec. 4, 1939.

Rags

For Fresh Citrus Fruit.
Claims use since October, 1937.

Ser. No. 426,229. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif. Filed Dec. 4, 1939.



For Fresh Citrus Fruit.
Claims use since Mar. 1, 1885.

CLASS 48

Malt Beverages and Liquors

Ser. No. 405,514. HOWARD W. MILLER, Crafton Branch, Pittsburgh, Pa. Filed Apr. 20, 1938.

DOUGH-BOY

For Beer.
Claims use since Mar. 2, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 425,365. THE H. E. POGUE DISTILLERY COMPANY, INC., Chicago, Ill. Filed Nov. 7, 1939. Under 10-year proviso.

OLD TIME

For Whiskey.
Claims use since 1869.

Ser. No. 426,414. SIBONEY DISTILLING CORPORATION, Philadelphia, Pa. Filed Dec. 9, 1939.



For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Nov. 9, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 6, 1940

374,990. CLUTCH CONTROLLED BRAKE HOLDING LOCKS FOR AUTOMOTIVE VEHICLES. ROCKVILLE MOTOR ACCESSORIES, INC., New York, N. Y.
Filed January 5, 1937. Serial No. 387,476. PUBLISHED NOVEMBER 28, 1939. Class 19.

374,991. SOUP CRACKERS. APERION, INC., Boston, Mass.
Filed April 6, 1937. Serial No. 390,983. PUBLISHED NOVEMBER 28, 1939. Class 46.

374,992. CHEESE AND CHEESE SPREADS. RHEINGOLD CHEESE COMPANY, Chicago, Ill.
Filed June 3, 1937. Serial No. 393,617. PUBLISHED NOVEMBER 21, 1939. Class 46.

374,993. PROTECTIVE PREPARATION FOR COATING WOOD, METAL, CONCRETE STONE, AND OTHER STRUCTURAL MATERIALS. CLADITE INCORPORATED, New York, N. Y.
Filed June 10, 1937. Serial No. 393,895. PUBLISHED NOVEMBER 21, 1939. Class 12.

374,994. DYED FUR SKINS. ABE APRIL FUR DYEING CORPORATION, New York, N. Y.
Filed August 31, 1937. Serial No. 396,946. PUBLISHED NOVEMBER 28, 1939. Class 1.

374,995. SENSITIZED FILMS. COMPAÑIA INDUSTRIAL FILM ESPAÑOL, S. A., Valencia, Spain.
Filed October 7, 1937. Serial No. 398,239. PUBLISHED NOVEMBER 28, 1939. Class 26.

374,996. WEEKLY NEWSPAPER. PROGRESS PUBLISHING CO. INC., Hammond, La.
Filed February 25, 1938. Serial No. 403,420. PUBLISHED NOVEMBER 21, 1939. Class 38.

374,997. ELECTRIC PORCELAIN INSULATORS COMPRISING VARIOUS TYPES OF KNOBS, TUBES, AND CLEATS. SUPERIOR PORCELAIN COMPANY, Parkersburg, W. Va.
Filed February 26, 1938. Serial No. 403,480. PUBLISHED NOVEMBER 28, 1939. Class 21.

374,998. CANNED LENTILS, SPLIT PEAS, BEANS, LIMA BEANS, PEAS, AND TOMATOES; DRIED LENTILS, SPLIT PEAS, OLIVE OIL, ETC. A. PARUTA, Passaic, N. J.
Filed March 30, 1938. Serial No. 404,658. PUBLISHED NOVEMBER 21, 1939. Class 46.

374,999. NONALCOHOLIC BEVERAGES, CONCENTRATES, AND EXTRACTS FOR MAKING SAME. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed April 15, 1938. Serial No. 405,311. PUBLISHED JUNE 7, 1938. Class 45.

375,000. DYED FUR PELTS, PARTICULARLY SEAL DYED CONEY. BROWN & SANDELMAN CO., New York, N. Y.
Filed May 14, 1938. Serial No. 406,325. PUBLISHED NOVEMBER 28, 1939. Class 1.

375,001. DYED FUR PELTS PARTICULARLY SEAL DYED CONEY. BROWN & SANDELMAN CO., New York, N. Y.
Filed May 14, 1938. Serial No. 406,326. PUBLISHED NOVEMBER 28, 1939. Class 1.

375,002. PICKLES, PICKLED ONIONS, VEGETABLE RELISHES, PICCALILLI, AND CHOW CHOW. BUDLONG PICKLE CO., Chicago, Ill.
Filed May 19, 1938. Serial No. 406,493. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,003. ACCOUNTING FORMS. THE REYNOLDS & REYNOLDS COMPANY, Dayton, Ohio.
Filed June 9, 1938. Serial No. 407,284. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,004. CAMERAS AND LENSES. COMMONWEALTH UTILITIES COMPANY, Chicago, Ill.
Filed July 11, 1938. Serial No. 408,375. PUBLISHED SEPTEMBER 6, 1939. Class 26.

375,005. CAMELBACK, A STRIP OF UNVULCANIZED RUBBER COMPOUND FOR RETREADING PNEUMATIC AUTOMOBILE TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed September 3, 1938. Serial No. 410,257. PUBLISHED NOVEMBER 28, 1939. Class 1.

375,006. CANNED PORK AND BEANS WITH TOMATO SAUCE AND RED KIDNEY BEANS WITH TOMATO SAUCE. THE KROGER GROCERY & BAKING COMPANY, doing business as Wesco Foods Company, Cincinnati, Ohio.
Filed September 13, 1938. Serial No. 410,511. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,007. CHINESE GAME PLAYED WITH PIECES SOMEWHAT SIMILAR TO DOMINOES. IVORYCRAFT CO., INC., Long Island City, N. Y.
Filed September 19, 1938. Serial No. 410,736. PUBLISHED NOVEMBER 21, 1939. Class 22.

375,008. LUBRICATING OILS AND GREASES. DRYER, CLARK & DRYER OIL COMPANY, Oklahoma City, Okla.
Filed October 17, 1938. Serial No. 411,683. PUBLISHED NOVEMBER 21, 1939. Class 15.

375,009. PORTABLE POWER TOOLS—NAMELY, PORTABLE ELECTRIC HAND DRILLS, SAWS, LOCK MORTISERS, PLANES, AND GRINDERS. MALL TOOL COMPANY, Chicago, Ill.
Filed November 3, 1938. Serial No. 412,349. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,010. STAINS, VARNISHES, LACQUERS, PAINTS IN PASTE AND READY MIXED FORMS AND PAINT ENAMELS. RELIANCE VARNISH COMPANY, INC., Louisville, Ky.
Filed November 3, 1938. Serial No. 412,365. PUBLISHED NOVEMBER 28, 1939. Class 16.

375,011. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE WILKEN FAMILY, INCORPORATED, New York, N. Y., Lawrenceburg, Ind., and Aladdin, Pa.
Filed November 16, 1938. Serial No. 412,842. PUBLISHED NOVEMBER 21, 1939. Class 49.

375,012. CONDUIT, DUCTS, AND PIPES MADE OF NONMETALLIC COMPOSITION MATERIAL, AND FITTINGS FOR THE SAME. THE FIBRE CONDUIT COMPANY, Orangeburg, N. Y.
Filed December 9, 1938. Serial No. 413,628. PUBLISHED NOVEMBER 21, 1939. Class 12.

375,013. MEN'S SUITS, CONSISTING OF COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed December 12, 1938. Serial No. 413,714. PUBLISHED APRIL 11, 1939. Class 39.

375,014. FRESH CARROTS. K. K. SHARP, HOLTVILLE, Calif.
Filed January 11, 1939. Serial No. 414,711. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,015. YEAST SOLD ONLY IN POUND PACKAGES OR LARGER TO BAKERS AND FOOD MANUFACTURERS. VARNUM YEAST COMPANY, also doing business as Capitol Yeast Company, West Brookfield, Mass.
Filed January 26, 1939. Serial No. 415,274. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,016. OPHTHALMIC LENS BLANKS AND LENSES. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind.
Filed February 23, 1939. Serial No. 416,314. PUBLISHED NOVEMBER 28, 1939. Class 26.

375,017. TRADE JOURNAL. MARCHANT CALCULATING MACHINE COMPANY, Emeryville, Calif.
Filed February 23, 1939. Serial No. 416,443. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,018. PRINTED PAPER NAPKINS. CECILE GILMORE, New York, N. Y.
Filed February 28, 1939. Serial No. 416,508. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,019. EGGS. ARTHUR HORTON, Valparaiso, Ind.
Filed March 4, 1939. Serial No. 416,690. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,020. FLOWER AND VEGETABLE SEEDS. ROGGLI BROTHERS, Hilterfingen, Switzerland.
Filed March 9, 1939. Serial No. 416,872. PUBLISHED NOVEMBER 21, 1939. Class 1.

375,021. LUBRICATING OILS AND GREASES. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed March 17, 1939. Serial No. 417,181. PUBLISHED MAY 23, 1939. Class 15.

375,022. PENCILS OF ALL KINDS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed May 4, 1939. Serial No. 419,076. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,023. OIL BURNING HEATERS FOR BITUMINOUS AND LIKE MATERIALS. CLEAVER-BROOKS COMPANY, Milwaukee, Wis.
Filed May 8, 1939. Serial No. 419,180. PUBLISHED NOVEMBER 28, 1939. Class 34.

375,024. LAWN MOWERS AND PARTS THEREOF. THE F. & N. LAWN MOWER COMPANY, Richmond, Ind.
Filed May 16, 1939. Serial No. 419,477. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,025. LAWN MOWERS AND PARTS THEREOF. THE F. & N. LAWN MOWER COMPANY, Richmond, Ind.
Filed May 16, 1939. Serial No. 419,478. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,026. CASKET PEDESTALS, DAY BEDS, BED ENDS, COTS, CHAIR COTS, COUCH BOARDS, PRAYER RAILS, BIERS, STANDS. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed May 24, 1939. Serial No. 419,750. PUBLISHED NOVEMBER 21, 1939. Class 32.

375,027. TIES FOR SECURING ELECTRICAL CONDUCTING WIRE TO INSULATORS. COPPERWELD STEEL COMPANY, Glassport, Pa.
Filed May 25, 1939. Serial No. 419,794. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,028. GAMES TO BE PLAYED WITH A GAME BOARD LAYOUT, PLAYING CARDS, AND CHIPS. ROBERT TELLER, SONS & DORNER, New York, N. Y.
Filed June 5, 1939. Serial No. 420,190. PUBLISHED NOVEMBER 21, 1939. Class 22.

375,029. DIELECTRIC MATERIAL IN SHEETS AND MOLDED FORMS USED PRIMARILY AS DIELECTRICS IN ELECTRICAL CONDENSERS, COIL FORMS AND OTHER RADIO AND ELECTRICAL APPARATUS. JAMES MILLEN MANUFACTURING COMPANY, INC., Malden, Mass.
Filed June 12, 1939. Serial No. 420,423. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,030. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed June 13, 1939. Serial No. 420,449. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,031. ENGINEERING, ARCHITECTURAL, AND BUILDING CONTRIVANCES, COMPRISING SUPPORTING AND BRACING STRUTS, PROPS, JACKS, SHUTTERING AND MOLD FORMS, TRESTLE JACKS, ETC. ACROW (ENGINEERS) LTD., London, England.
Filed June 17, 1939. Serial No. 420,617. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,032. DRIED CITRUS PULP FOR USE AS A CATTLE FOOD, AND DEHYDRATED CITRUS PULP FOR USE AS HUMAN FOOD. SUNI-CITRUS PRODUCTS COMPANY, Haines City, Fla.
Filed June 19, 1939. Serial No. 420,659. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,033. TOILET TISSUE. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed June 22, 1939. Serial No. 420,797. PUBLISHED AUGUST 15, 1939. Class 37.

375,034. VANILLA FOR FOOD FLAVORING PURPOSES. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill.
Filed June 29, 1939. Serial No. 421,064. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,035. VANILLA FOR FOOD FLAVORING PURPOSES. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill.
Filed June 29, 1939. Serial No. 421,065. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,036. COLUMN PUBLISHED IN A MONTHLY PUBLICATION. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 1, 1939. Serial No. 421,214. PUBLISHED NOVEMBER 28, 1939. Class 38.

375,037. PROCESSED PAPER USED FOR PLANT COVERS. GERMAIN SEED & PLANT COMPANY, Los Angeles, Calif.
Filed July 5, 1939. Serial No. 421,286. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,038. NECKLACES AND BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed July 7, 1939. Serial No. 421,341. PUBLISHED NOVEMBER 21, 1939. Class 28.

375,039. WALL CALENDARS. MAX HÄSSLER, Buenos Aires, Argentina.
Filed July 11, 1939. Serial No. 421,459. PUBLISHED NOVEMBER 28, 1939. Class 38.

375,040. BASE METAL COOKING AND TABLE HOLLOWWARE. GLEN S. SLOUGH, Harrisburg, Pa
Filed July 11, 1939. Serial No. 421,465. PUBLISHED NOVEMBER 28, 1939. Class 13.

375,041. BULLETIN PUBLISHED FROM TIME TO TIME. THE ARIZONA HOTEL ASSOCIATION, INC., Phoenix, Ariz.
Filed July 13, 1939. Serial No. 421,502. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,042. VANILLA FOR FOOD FLAVORING PURPOSES. BECK VANILLA PRODUCTS COMPANY, East St. Louis, Ill.
Filed July 13, 1939. Serial No. 421,509. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,043. AUTOMATIC GAS CONTROL PRESSURE REGULATING VALVES FOR HEATING APPARATUS. L. J. MUELLER FURNACE COMPANY, Milwaukee, Wis.
Filed July 14, 1939. Serial No. 421,574. PUBLISHED NOVEMBER 28, 1939. Class 13.

375,044. FLAT GUMMED PAPER FOR USE BY PRINTERS AND LITHOGRAPHERS. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed July 17, 1939. Serial No. 421,663. PUBLISHED OCTOBER 10, 1939. Class 37.

375,045. ALLOY STEEL CASTINGS. DETROIT ALLOY STEEL COMPANY, Detroit, Mich.
Filed July 19, 1939. Serial No. 421,731. PUBLISHED NOVEMBER 28, 1939. Class 14.

375,046. PREPARATION IN THE NATURE OF A CAULKING COMPOUND USED FOR WATERPROOFING, FILLING, SURFACING, FURRING UP OF DENTS, CRACKS, SEAMS, PITS, RIVET HEADS, ETC., ON STEEL, IRON, ALUMINUM, WOOD, CANVAS, CONCRETE, ETC. ESTATE OF H. B. FRED. KUHLS, New York, N. Y.
Filed July 21, 1939. Serial No. 421,808. PUBLISHED NOVEMBER 21, 1939. Class 12.

375,047. CANNED VEGETABLES. THOMAS & COMPANY, Frederick, Md.
Filed July 21, 1939. Serial No. 421,822. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,048. RESILIENT PADS FOR MATTRESSES AND CUSHIONS. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill.
Filed July 24, 1939. Serial No. 421,891. PUBLISHED NOVEMBER 21, 1939. Class 32.

375,049. SPRING ASSEMBLIES FOR UPHOLSTERY AND UPHOLSTERY UNITS. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill.
Filed July 24, 1939. Serial No. 421,892. PUBLISHED NOVEMBER 21, 1939. Class 32.

375,050. RAZOR BLADES. AMERICAN EXPORTING SERVICE COMPANY, New York, N. Y.
Filed July 26, 1939. Serial No. 421,957. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,051. WRAPPING, BAG, AND LINER PAPERS TO BE USED MORE PARTICULARLY IN CONNECTION WITH FOODSTUFFS. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed July 27, 1939. Serial No. 421,995. PUBLISHED SEPTEMBER 26, 1939. Class 37.

375,052. SCREWS, BOLTS, NUTS, RIVETS, BURRS, AND HEADED AND THREADED RODS. REED & PRINCE MANUFACTURING COMPANY, Worcester, Mass.
Filed July 27, 1939. Serial No. 422,017. PUBLISHED NOVEMBER 28, 1939. Class 13.

375,053. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. GOLDBLATT BROTHERS, INC., Chicago, Ill.
Filed July 28, 1939. Serial No. 422,051. PUBLISHED NOVEMBER 21, 1939. Class 35.

375,054. TONERS AND LAKES FOR USE IN PAINT ENAMELS, LACQUERS, AND COLORED VARNISHES. FRED. L. LAVANBURG COMPANY, INC., Brooklyn, N. Y., assignor to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.
Filed July 31, 1939. Serial No. 422,136. PUBLISHED NOVEMBER 28, 1939. Class 16.

375,055. LUBRICATING OILS AND GREASES, LUBRICATING OIL COMPOUNDS, AND MOTOR LUBRICATING OILS. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio.
Filed July 31, 1939. Serial No. 422,140. PUBLISHED NOVEMBER 21, 1939. Class 15.

375,056. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed August 1, 1939. Serial No. 422,166. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,057. HARMONICA. AMERICAN MUSICAL COMPANY, Philadelphia, Pa.
Filed August 2, 1939. Serial No. 422,193. PUBLISHED NOVEMBER 28, 1939. Class 36.

375,058. SERIES OF PATRIOTIC ARTICLES. LOUIS ROCKWELL AND LEONARD FOWLER, Carpentersville, Ill.
Filed August 2, 1939. Serial No. 422,218. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,059. CIGARS. EDUARDO H. GATO, JR., Key West, Fla.
Filed August 8, 1939. Serial No. 422,405. PUBLISHED NOVEMBER 28, 1939. Class 17.

375,060. CIGARS. EDUARDO H. GATO, JR., Key West, Fla.
Filed August 8, 1939. Serial No. 422,406. PUBLISHED NOVEMBER 28, 1939. Class 17.

375,061. METAL BALLS USED IN BEARINGS, VALVES, PIGMENT GRINDING, AND LITHOGRAPH PLATE GRINDING. ATLAS BALL COMPANY, Philadelphia, Pa.
Filed August 16, 1939. Serial No. 422,650. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,062. METAL BALLS USED IN BEARINGS, VALVES, PIGMENT GRINDING, AND LITHOGRAPH PLATE GRINDING. ATLAS BALL COMPANY, Philadelphia, Pa.
Filed August 16, 1939. Serial No. 422,649. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,063. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY, CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed August 16, 1939. Serial No. 422,657. PUBLISHED NOVEMBER 21, 1939. Class 28.

375,064. WHISKY. MORAND BROS. BEVERAGE COMPANY, Chicago, Ill.
Filed August 18, 1939. Serial No. 422,754. PUBLISHED NOVEMBER 21, 1939. Class 49.

375,065. ICE-CREAM FLAVORINGS, NAMELY, LIQUID MILK CHOCOLATE. STUART A. BAKER CHOCOLATE CO., INC., Toledo, Ohio.
Filed August 21, 1939. Serial No. 422,803. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,066. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed August 21, 1939. Serial No. 422,805. PUBLISHED NOVEMBER 28, 1939. Class 38.

375,067. FLOWERS AND PLANTS. UNION NURSERIES & COMPANY, LTD., Los Angeles, Calif.
Filed August 21, 1939. Serial No. 422,838. PUBLISHED NOVEMBER 28, 1939. Class 1.

375,068. HARMONICAS AND REEDS THEREFOR. HARMONICA REED CORPORATION, Philadelphia, Pa.
Filed August 24, 1939. Serial No. 422,932. PUBLISHED NOVEMBER 28, 1939. Class 36.

375,069. SMOKING TOBACCO. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo.
Filed August 24, 1939. Serial No. 422,972. PUBLISHED NOVEMBER 28, 1939. Class 17.

375,070. CANDY. BARD & MARGOLIES, INC., Brooklyn, N. Y.
Filed August 28, 1939. Serial No. 423,052. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,071. MAGAZINE PUBLICATION. ALL AMERICAN COMICS, INC., New York, N. Y.
Filed September 1, 1939. Serial No. 423,195. PUBLISHED NOVEMBER 28, 1939. Class 38.

375,072. INSTRUMENT FOR MEASURING THE DIRECTION AND VELOCITY OF THE WIND. GENERAL COMMUNICATION COMPANY, Boston, Mass.
Filed September 1, 1939. Serial No. 423,211. PUBLISHED NOVEMBER 28, 1939. Class 26.

375,073. MAGNET PARTS FORMED BY CASTING. CINAUDAGRAPH CORPORATION, Stamford, Conn.
Filed September 2, 1939. Serial No. 423,257. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,074. PRINTING MACHINERY—NAMELY, PRINTER'S SAWS AND SAW TRIMMERS. HAMMOND MACHINERY BUILDERS, Kalamazoo, Mich.
Filed September 1, 1939. Serial No. 423,287. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,075. RECORD CARDS AND PAPER BOX CONTAINERS FOR SUCH RECORD CARDS, RECORDING BOOKS, RECORD SLIPS, AND BLANKS TO BE FILLED IN USED IN CONNECTION WITH A SYSTEM FOR RECORDING BOWLING SCORES. FAR-WAL COMPANY, Chicago, Ill.
Filed September 5, 1939. Serial No. 423,293. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,076. COMPOSITION BOOKS, NOTEBOOKS, AND SPELLING BLANKS. KURTZ BROS., INC., Clearfield, Pa.
Filed September 5, 1939. Serial No. 423,306. PUBLISHED NOVEMBER 21, 1939. Class 37.

375,077. RICE. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif.
Filed September 5, 1939. Serial No. 423,314. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,078. PREPARATION OF MALTED MILK AND A CHOCOLATE FLAVORED DAIRY SYRUP. THE WANDER COMPANY, Chicago, Ill.
Filed September 5, 1939. Serial No. 423,320. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,079. MATERIAL FOR CURING, PROTECTING, AND COLORING CONCRETE SURFACES. THE MASTER BUILDERS COMPANY, Cleveland, Ohio.
Filed September 6, 1939. Serial No. 423,337. PUBLISHED NOVEMBER 21, 1939. Class 12.

375,080. WINES. GARRETT & COMPANY, INC., Brooklyn, N. Y.
Filed September 8, 1939. Serial No. 423,418. PUBLISHED NOVEMBER 28, 1939. Class 47.

375,081. SEED CORN. FUNK BROS. SEED CO., INCORPORATED, Bloomington, Ill.
Filed September 9, 1939. Serial No. 423,460. PUBLISHED NOVEMBER 28, 1939. Class 1.

375,082. TOILET SOAP, LAUNDRY SOAP, SOAP POWDER, SOAP CHIPS, SCOURING POWDER, GLASS CLEANER, AND METAL POLISH. UNITED BUYERS CORPORATION, also doing business as Foodcraft Products, Chicago, Ill.
Filed September 13, 1939. Serial No. 423,580. PUBLISHED NOVEMBER 21, 1939. Class 4.

375,083. WATERPROOF CANVAS PIECE GOODS, DYED. WM. E. HOOPER & SONS CO., Baltimore, Md.
Filed September 14, 1939. Serial No. 423,600. PUBLISHED NOVEMBER 28, 1939. Class 50.

375,084. HAIR, WOOL, AND JUTE FELT PRODUCTS SOLD BOTH IN YARDAGE AND CUT PIECES. BURLINGTON MILLS INCORPORATED, Burlington, Wis.
Filed September 15, 1939. Serial No. 423,625. PUBLISHED NOVEMBER 28, 1939. Class 50.

375,085. BROOMS, WHISK BROOMS, SCRUBBING BRUSHES, MOPS, RADIATOR BRUSHES, PAPER HANGER BRUSHES, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed September 15, 1939. Serial No. 423,634. PUBLISHED NOVEMBER 28, 1939. Class 29.

375,086. EXPANSION PLATES FOR BASIC FURNACE CONSTRUCTION. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed September 16, 1939. Serial No. 423,668. PUBLISHED NOVEMBER 28, 1939. Class 12.

375,087. GOLF BALLS, GOLF CLUBS, AND RACKETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed September 16, 1939. Serial No. 423,680. PUBLISHED NOVEMBER 21, 1939. Class 22.

375,088. ORGANIC COATING COMPOSITIONS—NAMELY, LACQUERS, VARNISHES, PAINT ENAMELS, PAINTS IN READY-MIXED FORM AND PAINT VEHICLES. CURTIN-HOWE CORPORATION, New York, N. Y.
Filed September 19, 1939. Serial No. 423,727. PUBLISHED NOVEMBER 28, 1939. Class 16.

375,089. WOOL AND RAYON MIXTURE GOODS IN THE PIECE. GEROME LEONARD, doing business as Gerome Leonard Company, New York, N. Y.
Filed September 19, 1939. Serial No. 423,734. PUBLISHED NOVEMBER 28, 1939. Class 42.

375,090. GREETING CARDS. MCKENZIE ENGRAVING COMPANY, Boston, Mass.
Filed September 19, 1939. Serial No. 423,737. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,091. PRINTER'S TYPE. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J.
Filed September 19, 1939. Serial No. 423,744. PUBLISHED NOVEMBER 28, 1939. Class 14.

375,092. TOBACCO, PARTICULARLY PIPE AND CIGARETTE SMOKING TOBACCO AND CHEWING TOBACCO. BENDIXEN TOBACCO COMPANY, Syracuse, N. Y.
Filed September 20, 1939. Serial No. 423,749. PUBLISHED NOVEMBER 28, 1939. Class 17.

375,093. AUTOMOBILE LIGHT BRACKETS, AUTOMOBILE REAR VIEW MIRRORS, AND MOUNTING BRACKETS THEREFOR, AUTOMOBILE HEADLIGHT VISOR, ETC. THE KILBORN-SAUER COMPANY, Fairfield, Conn.
Filed September 20, 1939. Serial No. 423,763. PUBLISHED NOVEMBER 28, 1939. Class 19.

375,094. CAMBRICS. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa.
Filed September 21, 1939. Serial No. 423,819. PUBLISHED NOVEMBER 28, 1939. Class 42.

375,095. STOVE, REFRIGERATOR, AND FURNITURE TRIM AND HINGES. NATIONAL LOCK CO., Rockford, Ill.
Filed September 21, 1939. Serial No. 423,822. PUBLISHED NOVEMBER 28, 1939. Class 13.

375,096. PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed September 21, 1939. Serial No. 423,827. PUBLISHED NOVEMBER 28, 1939. Class 42.

375,097. RICE. THEOPHAS SIMON, doing business as Central Rice Mill, Crowley, La.
Filed September 21, 1939. Serial No. 423,836. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,098. PRINTED FORMS ISSUED DAILY OR PERIODICALLY, AND CONTAINING RACING INFORMATION. AMES REDBOOK DAILY RATINGS, Chicago, Ill.
Filed September 23, 1939. Serial No. 423,874. PUBLISHED NOVEMBER 28, 1939. Class 38.

375,099. BAKERY PRODUCTS, PARTICULARLY PUMPERNICKEL. CAMPBELL TAGGART RESEARCH CORPORATION, Kansas City, Mo.
Filed September 23, 1939. Serial No. 423,876. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,100. SEED CORN AND OTHER FIELD SEEDS. MARTIN SEVERSON, Galesville, Wis.
Filed September 23, 1939. Serial No. 423,898. PUBLISHED NOVEMBER 28, 1939. Class 1.

375,101. FUEL OIL. BODIE-HOOVER PETROLEUM CORPORATION, Chicago, Ill.
Filed September 25, 1939. Serial No. 423,909. PUBLISHED NOVEMBER 21, 1939. Class 15.

375,102. LUBRICATING OILS. GULF OIL CORPORATION, Pittsburgh, Pa.
Filed September 25, 1939. Serial No. 423,911. PUBLISHED NOVEMBER 21, 1939. Class 15.

375,103. FRESH AND FROZEN FISH FILLETS. ATLANTIC COAST FISHERIES CORPORATION OF NEW YORK, New York, N. Y.
Filed September 26, 1939. Serial No. 423,938. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,104. CANDIES. HENRY HEIDE, INCORPORATED, New York, N. Y.
Filed September 26, 1939. Serial No. 423,940. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,105. STRUCTURAL INSULATING MATERIALS AND FOR INTERIOR FINISH MATERIALS, INSULATING BOARD, INSULATING LATH, ETC. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed September 27, 1939. Serial No. 423,970. PUBLISHED NOVEMBER 21, 1939. Class 12.

375,106. SMOKER'S COMBINATION SET. RICHARD MAYER, New York, N. Y.
Filed September 27, 1939. Serial No. 423,979. PUBLISHED NOVEMBER 28, 1939. Class 8.

375,107. PERIODICAL. ALF CLARENCE NYDIN, doing business as Nydin Publications, Seattle, Wash.
Filed September 27, 1939. Serial No. 423,984. PUBLISHED NOVEMBER 28, 1939. Class 38.

375,108. PAPER NAPKINS. SULLIVAN MANUFACTURING CO. INC., North Syracuse, N. Y.
Filed September 27, 1939. Serial No. 423,988. PUBLISHED NOVEMBER 28, 1939. Class 37.

375,109. CONNECTORS AND BONDS FOR ELECTRICALLY CONNECTING RAILWAY RAILS. THE ELECTRIC RAILWAY IMPROVEMENT COMPANY, Cleveland, Ohio.
Filed September 28, 1939. Serial No. 424,001. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,110. MAGAZINE SECTION. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y.
Filed September 29, 1939. Serial No. 424,031. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,111. TOMATO JUICE COCKTAILS. HUBERT J. FLEETHAM, doing business as Hiawatha Products Company, Minneapolis, Minn., assignor to Lucien D. Sparks, Minneapolis, Minn.
Filed September 29, 1939. Serial No. 424,037. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,112. GALVANIZED STEEL SHEETS. THE SUPERIOR SHEET STEEL COMPANY, Canton, Ohio.
Filed September 29, 1939. Serial No. 424,068. PUBLISHED NOVEMBER 28, 1939. Class 14.

375,113. PIPES. GOLDSMIT-BLACK, INC., Pittsburgh, Pa.
Filed September 30, 1939. Serial No. 424,084. PUBLISHED NOVEMBER 28, 1939. Class 8.

375,114. FRESH CITRUS FRUITS. INTER-STATE GROVE PROPERTIES, INC., Tampa, Fla.
Filed September 30, 1939. Serial No. 424,089. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,115. NEWSPAPER CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed September 30, 1939. Serial No. 424,091. PUBLISHED NOVEMBER 21, 1939. Class 38.

375,116. SILVER PLATED FLATWARE. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed September 30, 1939. Serial No. 424,097. PUBLISHED NOVEMBER 21, 1939. Class 28.

375,117. SILVER PLATED FLATWARE. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed September 30, 1939. Serial No. 424,098. PUBLISHED NOVEMBER 21, 1939. Class 28.

375,118. VACUUM TUBES. EITEL-MCCULLOUGH, INC., San Bruno, Calif.
Filed October 2, 1939. Serial No. 424,126. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,119. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. L. & E. STIRN, INC., New York, N. Y.
Filed October 2, 1939. Serial No. 424,143. PUBLISHED NOVEMBER 28, 1939. Class 42.

375,120. COMPRESSED AIR ENGINES. BARTLETT MANUFACTURING CORPORATION, Cameron, Wis.
Filed October 2, 1939. Serial No. 424,149. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,121. ELECTRIC FLASHLIGHTS AND ELECTRIC LANTERNS. FEDERAL SUPPLY COMPANY, INC., Washington, D. C.
Filed October 3, 1939. Serial No. 424,165. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,122. STATIONERY CONSISTING OF WRITING PAPER AND ENVELOPES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed October 4, 1939. Serial No. 424,197. PUBLISHED NOVEMBER 21, 1939. Class 37.

375,123. ELECTRIC LIGHTING FIXTURES. STEBER MANUFACTURING CO., Chicago, Ill.
Filed October 4, 1939. Serial No. 424,212. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,124. BEER. TERRE HAUTE BREWING COMPANY, INC., Terre Haute, Ind.
Filed October 4, 1939. Serial No. 424,214. PUBLISHED NOVEMBER 28, 1939. Class 48.

375,125. FROZEN CONFECTIONERY PRODUCTS. JOE LOWE CORPORATION, New York, N. Y.
Filed October 5, 1939. Serial No. 424,235. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,126. AUTOMATIC DOUGHNUT FORMING AND COOKING MACHINES. JOE LOWE CORPORATION, New York, N. Y.
Filed October 5, 1939. Serial No. 424,236. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,127. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES OF VARIOUS FLAVORS SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING SAME. BUD J. PETER, Santa Rosa, Calif.
Filed October 6, 1939. Serial No. 424,277. PUBLISHED NOVEMBER 28, 1939. Class 45.

375,128. FERROUS BARS, RODS, AND WIRE. THE YOUNGSTOWN SHEET & TUBE COMPANY, Youngstown, Ohio.
Filed October 6, 1939. Serial No. 424,284. PUBLISHED NOVEMBER 28, 1939. Class 14.

375,129. FLUORESCENT TUBING FOR ELECTRIC DISCHARGE LAMPS. HYGRADE SYLVANIA CORPORATION, Salem, Mass.
Filed October 7, 1939. Serial No. 424,303. PUBLISHED NOVEMBER 28, 1939. Class 21.

375,130. RAZOR BLADES. SAM RACHELSON, doing business as Southern Merchandise Company, Atlanta, Ga.
Filed October 7, 1939. Serial No. 424,313. PUBLISHED NOVEMBER 28, 1939. Class 23.

375,131. TOY AND MODEL AIRPLANES AND PARTS THEREOF. JACK GALTER, Chicago, Ill.
Filed October 12, 1939. Serial No. 424,473. PUBLISHED NOVEMBER 21, 1939. Class 22.

375,132. MIRRORS, UTILITY STORAGE CABINETS, MEDICINE CABINETS, TABLES, CHAIRS, TOWEL HORSES, AND BATHROOM STOOLS. HOWARD L. HILL, doing business as Hilco Products, New York, N. Y.
Filed October 12, 1939. Serial No. 424,477. PUBLISHED NOVEMBER 21, 1939. Class 32.

375,133. SANITARY NAPKINS AND ELASTIC WEBBING SUPPORTS FOR SANITARY NAPKINS. J. J. NEWBERRY COMPANY, New York, N. Y.
Filed October 12, 1939. Serial No. 424,491. PUBLISHED NOVEMBER 28, 1939. Class 44.

375,134. BLANKETS AND BLANKET CLOTH. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed October 12, 1939. Serial No. 424,492. PUBLISHED NOVEMBER 28, 1939. Class 42.

375,135. PIECE GOODS OF COTTON, RAYON, SILK, AND COMBINATIONS THEREOF. COLLEGIATE MANUFACTURING COMPANY, INC., New York, N. Y.
Filed October 16, 1939. Serial No. 424,577. PUBLISHED NOVEMBER 28, 1939. Class 42.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

375,136. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TRADE LABORATORIES, INC., Newark, N. J. Filed Dec. 1, 1939. Serial No. 426,146.



For Dental Cream.
Claims use since July 15, 1932.

375,137. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Nov. 21, 1939. Serial No. 425,868.

WEBSTER

For Oil Burner Fuel Pumps.
Claims use since July 1, 1932.

375,138. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CHAPMAN VALVE MFG. CO., Indian Orchard, Mass. Filed Nov. 7, 1939. Serial No. 425,327.

NON SLAM
TILTING DISC
CHECK VALVE

For Check Valves and Parts Thereof and Accessories Therefor.
Claims use since Dec. 15, 1922.

375,139. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUALITY PRODUCTS CO., INC., New York, N. Y. Filed Oct. 30, 1939. Serial No. 425,065.

Dryfast

For Finger Wave Lotion.
Claims use since July, 1929.

375,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERYL PRODUCTS CORP., Philadelphia, Pa. Filed Oct. 17, 1939. Serial No. 424,629.

STERYL-FLUSH

For Deodorant Contained in a Special Dispenser To Be Used in Flush Tanks.
Claims use since March, 1929.

375,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TARR PHARMACAL CO., Cleveland, Ohio, assignor to Tarr Drug, Inc., Cleveland, Ohio. Filed Sept. 30, 1939. Serial No. 424,111.

TARR'S

For an Antiseptic Oil Used as a Spray or Lotion for Prophylaxis and for Relief of Nasal Affections; a Tannic Acid Jelly Used in the Treatment of Burns; an Antiseptic Ointment and Analgesic Dressing Used in the Treatment of Burns; a Healing Antiseptic Lotion for Tired, Weak, or Inflamed Eyes Particularly for Relieving Irritation After the Removal of Foreign Bodies from the Eye; Nose Drops or Liquid Spray Used in the Treatment of Colds, Inflamed Sinuses, and for Relieving Discomforts Caused by Hay Fever, Catarrh, Sinusitis, and Similar Ailments; and a Medical Preparation Used in the Treatment of Hypertension.
Claims use since Feb. 1, 1895.

375,142. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELEN H. ADAMS, doing business as L. Sherman Adams Co., Wellesley, Mass. Filed Sept. 25, 1939. Serial No. 423,905.

KILSLUG

For Slug and Snail Exterminator.
Claims use since July, 1938.

375,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY B. COOK, Pasadena, Calif. Filed Sept. 11, 1939. Serial No. 423,492.

HARRY COOKS
DERMA RELIEF

For Medicinal Preparation for the Treatment of Skin Diseases.
Claims use since 1904.

375,144. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YAKIMA VALLEY SPRAY COMPANY, Yakima, Wash. Filed Sept. 7, 1939. Serial No. 423,394.



For Mineral Compound for General Stock Feeding.
Claims use since March, 1938.

375,145. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STATE OF MAINE, Augusta, Maine. Filed August 14, 1939. Serial No. 422,603.

STATE OF MAINE

For Fresh Vegetables, Potatoes, Fresh Lobsters, Fresh Scallops, and Eggs.
Claims use since Mar. 1, 1937.

375,146. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MEND-SOX, New York, N. Y. Filed June 27, 1939. Serial No. 421,004.

Mend-Sox

For Electrical Heating Form for Use in Mending Socks.
Claims use since Apr. 5, 1938.

375,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JENNIE JOYNER, Philadelphia, Pa. Filed July 12, 1939. Serial No. 421,485.

Madame Joyner's

For Hair Pomade, Hair Pressing Oil, Hair Curling Wax, Hair Curling Fluid, Hair Tonic, and Skin Bleach.
Claims use since Nov. 1, 1938.

375,148. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CLAYTON MANUFACTURING COMPANY, Alhambra, Calif. Filed Dec. 18, 1937. Serial No. 401,015.



For Hydro-Steam Cleaner Outfits, Comprising Steam Generators, Mixer and Controller, and Lines and Appliances Accessories, for Such Industrial Uses as Car Washing, Dairy Cleaning, Ship and Building Scrubbing, and for Similar Uses in Packing Plants, Railway Shops, Electric Shops, and Stations.
Claims use since Sept. 10, 1931.

375,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROCKY MOUNTAIN PACKING CORPORATION, Salt Lake City, Utah. Filed Sept. 21, 1938. Serial No. 410,848.

TWIN PEAKS

For Frozen Vegetables, Frozen Fruits, and Frozen Poultry.
Claims use since July 12, 1938.

375,150. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRENE DORR, Elkhorn, Wis. Filed Oct. 8, 1938. Serial No. 411,405.

DORR'S KUR-IT

For Medicinal Salve for the Treatment of Infections, Boils, Bruises, and Abrasions.
Claims use since Sept. 6, 1938.

375,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRAND RAPIDS PAINT AND ENAMEL COMPANY, Grand Rapids, Mich. Filed Nov. 12, 1938. Serial No. 412,636.

DUTCH KRAFT



FREEZ-O

For Antifreeze Solution.
Claims use since Nov. 1, 1938.

375,152. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FILMRITE LABORATORIES, Ann Arbor, Mich. Filed Nov. 25, 1938. Serial No. 413,121.

THE FILMRITE LABORATORIES

For Photographic Prints.
Claims use since Nov. 9, 1938.

375,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. H. REED, Memphis, Tenn. Filed Nov. 30, 1938. Serial No. 413,316.

WUD-OYL

For Wood Creosote for Dipping, Brushing, or Spraying Wood.
Claims use since Nov. 8, 1938.

375,154. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) J & R MOTOR SUPPLY COMPANY, Chicago, Ill. Filed Dec. 7, 1938. Serial No. 413,554.

Windsor R

For Radio Receiving Sets.
Claims use since Nov. 2, 1938.

375,155. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EITARO SUZUKI, Hiroshima, Japan. Filed Jan. 5, 1939. Serial No. 414,538.

味日本

Translation of the Japanese characters is "Taste Japan".
For Seasoning Preparation Containing as Essential Component Sodium Salt of Glutamic Acid.
Claims use since Nov. 1, 1932.

375,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex. Filed Feb. 11, 1939. Serial No. 415,970.

Suresweet

For Fresh Citrus Fruit and Canned Citrus Juices for Food Purposes.
Claims use since Dec. 15, 1921 on fresh citrus fruit; since November, 1938, on canned citrus juices.

375,157. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONSTANCE BENNETT, INC., Los Angeles, Calif. Filed June 26, 1939. Serial No. 420,929.

GLOW BASE

For Facial Cream.
Claims use since Oct. 1, 1937.

TRADE-MARK REGISTRATIONS RENEWED

17,950. **AMERICAN AGRICULTURIST.** NEWSPAPERS. Registered May 27, 1890. ORANGE JUDD COMPANY, New York, N. Y. Re-renewed May 27, 1940, to American Agriculturist, Inc., Ithaca, N. Y., a corporation of New York, assignee by mesne assignments.

18,066. **WORCESTER, ETC.** SALT. Registered June 24, 1890. NASH, WHITON & Co. Re-renewed June 24, 1940, to Worcester Salt Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

127,791. **SA-SO.** PILE REMEDY. Registered December 2, 1919. R. P. SMITH & Co. Renewed December 2, 1939, to Mary E. Smith, doing business as R. P. Smith & Co., Georgetown, Ill., successor.

127,823. **LOOMSPUN.** SILK PIECE GOODS. Registered December 9, 1919. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Renewed December 9, 1939, to I. Schneierson & Sons Inc., New York, N. Y., a corporation of New York, assignee.

128,262. **PACIFIC STAR.** SOLID-PACK CANNED TOMATOES. Registered December 30, 1919. SALSINA CANNING & PACKING Co. Renewed December 30, 1939, to Hershel California Fruit Products Co., San Jose, Calif., a corporation of Illinois, assignee by mesne assignments.

128,368. **OPTIPOD.** ADJUSTABLE CAMERA-SUPPORTING CLAMPS AND TRIPOD-ADAPTERS. Registered January 6, 1920. EASTMAN KODAK COMPANY. Renewed January 6, 1940, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

128,558. **VESUVIUS.** CRUCIBLES. Registered January 6, 1920. VESUVIUS CRUCIBLE COMPANY, Swissvale, Pa., a corporation of Pennsylvania. Renewed January 6, 1940.

128,563. **SAWACO.** FOUNTAIN-PENS, STEEL PENS, LEAD-PENCILS, PENHOLDERS, AND RUBBER ERASERS. Registered January 6, 1920. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed January 6, 1940.

128,576. **VALMORE.** CERTAIN NAMED FOODS. Registered January 6, 1920. WHITE STOKES Co., INC. Renewed January 6, 1940, to White-Stokes Company, Inc., Chicago, Ill., a corporation of Delaware, successor.

128,596. **KAMEHAMEHA.** CERTAIN NAMED CANNED FOODS AND BUTTER. Registered January 13, 1920. AMERICAN FACTORS, LIMITED, Honolulu, Territory of Hawaii. Renewed January 13, 1940, to American Factors, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii.

128,706. **DR. J. GARTENLAUB.** A CORN CURE. Registered January 13, 1920. EVE GARTENLAUB, New York, N. Y. Renewed January 13, 1940.

128,744. **JUS-TOL, ETC.** MEDICINES FOR INTERNAL USE AS A STOMACH COMPOUND. Registered January 13, 1920. AVRAM JUSTER, New York, N. Y. Renewed January 13, 1940, to Avram Juster, Brooklyn, N. Y.

128,847. **ZIP.** A REMEDY FOR CORNS, CALLOUSES, WARTS, AND BUNIONS. Registered January 13, 1920. HARRY SCHLESINGER, Brooklyn, N. Y. Renewed January 13, 1940, to Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey, assignee by mesne assignments.

128,869. **SnH.** CANDIES—NAMELY, SOUR LEMON CANDIES, PITTED-FRUIT-JELLY CANDIES, AND WESTERN-BERRY-JELLY CANDIES. Registered January 13, 1920. STEARNS-HOLLINSHEAD Co. Renewed January 13, 1940, to Candy Products Company, Portland, Oreg., a corporation of Oregon, assignee by mesne assignments.

129,025. **BROWN BEAUTY.** CANNED BEANS. Registered January 20, 1920. MARSHALL CANNING COMPANY. Marshalltown, Iowa, a corporation of Iowa. Renewed January 20, 1940.

129,123. **THE MILKY WAY.** CATTLE FOOD, PARTICULARLY FOR MILK-PRODUCING ANIMALS AND THEIR YOUNG. Registered January 27, 1920. J. J. BADENOCH Co., Chicago, Ill. Renewed January 27, 1940, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey, assignee.

129,156. **ARBUTUS.** CERTAIN NAMED NON-ALCOHOLIC BEVERAGES. Registered January 27, 1920. FRANK J. FISHER. Renewed January 27, 1940, to Joseph E. Fisher, Oconto, Wis., successor.

129,459. **THE ACE.** HAIR-TONICS. Registered February 24, 1920. GAUGHAN & PAINTER, Jeannette, Pa. Renewed February 24, 1940, to Ace Manufacturing Co., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

129,622. **PEPSINOL.** DIGESTIVE MEDICINE. Registered March 9, 1920. LEO P. BLOCK, Chattanooga, Tenn. Renewed March 9, 1940, to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., successor.

129,700. **EBERHARD FABER.** LEAD-PENCILS, PENHOLDERS, RUBBER ERASERS, AND RUBBER BANDS. Registered March 9, 1920. EBERHARD FABER, New York and Brooklyn, N. Y. Renewed March 9, 1940, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York, assignee.

129,735. **CHART-CRAFT.** PRINTED BOOKS AND PAMPHLETS. Registered March 9, 1920. HERMAN A. GROTH, Chicago, Ill. Renewed March 9, 1940, to Herman A. Groth, Oak Park, Ill.

129,947. **WRIGHT'S, ETC.** PERFUMED SOAP. Registered March 9, 1920. WRIGHT, LAYMAN & UMNEY, LIMITED. Renewed March 9, 1940, to Wright Layman & Umney Limited, London, England, a corporation of Great Britain, assignee.

129,990. **KOPPEL.** CERTAIN NAMED CARS AND TRUCKS AND CAR-WHEELS, CAR-AXLES, JOURNAL-BOXES, COUPLERS, AND BUFFERS. Registered March 16, 1920. KOPPEL INDUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and Pittsburgh, Pa. Renewed March 16, 1940, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

130,333. **KOPPEL.** ELECTRIC LOCOMOTIVES, ELECTRIC TRACTORS. Registered April 20, 1920. KOPPEL INDUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and Pittsburgh, Pa. Renewed April 20, 1940, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

130,418. **A MEDAL.** SOFT AND STIFF FELT HATS AND CAPS. Registered April 20, 1920. JOHN B. STETSON COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 20, 1940.

130,570. **QUEEN.** FIRE-EXTINGUISHING SYRINGES. Registered April 27, 1920. THE SCALLAN SUPPLY COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed April 27, 1940.

130,661. **MIRAK.** EDGE-TOOLS—VIZ., RAZORS. Registered May 4, 1920. AUGUSTUS HAGER BRYANT, Glen Ridge, N. J. Renewed May 4, 1940, to International Safety Razor Corporation, Bloomfield, N. J., a corporation of New Jersey, successor.

130,782. **KOPPEL.** WELDED AND RIVETED PIPE, RAILWAY-SPIKES, AND BOLTS, NUTS, AND METALLIC WASHERS. Registered May 4, 1920. KOPPEL INDUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and Pittsburgh, Pa. Renewed May 4, 1940, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

130,783. **KOPPEL.** CERTAIN NAMED RAILWAY APPLIANCES AND PARTS THEREOF. Registered May 4, 1920. KOPPEL INDUSTRIAL CAR & EQUIPMENT COMPANY, Koppel and Pittsburgh, Pa. Renewed May 4, 1940, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

130,797. **MEP.** AN EXTRACT HAVING A MAPLE FLAVOR AND USED FOR FLAVORING DESSERTS, ICE-CREAM, CONFECTIONS, AND SYRUPS USED AS FOOD. Registered May 4, 1920. LIMPERT BROS., INC., New York, N. Y. Renewed May 4, 1940, to Limpert Bros., Inc., New York, N. Y., and Vineland, N. J., a corporation of New York.

130,879. **GEORGE WASHINGTON.** SMOKING AND CHEWING TOBACCO. Registered May 4, 1920. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C., a corporation of New Jersey. Renewed May 4, 1940.

130,940. **DIXIE.** HAMS, BACON, AND SHOULDERS. Registered May 4, 1920. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 4, 1940.

131,010. **SAF-PAY.** SAFETY-PAPER. Registered May 4, 1920. GEORGE LA MONTE & SON, Nutley, N. J., and New York, N. Y. Renewed May 4, 1940, to George La Monte & Son, New York, N. Y., and Nutley, N. J.

131,203. **NU-WAY.** SUSPENDERS AND GARTERS. Registered May 4, 1920. NU-WAY STRECH SUSPENDER COMPANY. Renewed May 4, 1940, to Nu-Way Strech Company, Adrian, Mich., a corporation of Michigan, assignee.

131,264. **PEACE-TIME.** BREAD. Registered May 4, 1920. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed May 4, 1940.

131,300. **D-H, ETC.** WIRE, RODS, SHEETS, STRIPS, AND CASTINGS ALL COMPOSED OF METALS OR ALLOYS OF METALS. Registered May 11, 1920. DRIVER-HARRIS COMPANY, Harrison, N. J., a corporation of New Jersey. Renewed May 11, 1940.

131,318. **FOWLER.** CULTIVATORS, PLANTERS, AND FERTILIZER-DISTRIBUTERS. Registered May 11, 1920. THE HARRIMAN MANUFACTURING COMPANY, Harriman, Tennessee, a corporation of Tennessee. Renewed May 11, 1940.

131,659. **V, ETC.** MALLEABLE-IRON CASTINGS. Registered May 18, 1920. VERMILION MALLEABLE IRON COMPANY. Renewed May 18, 1940, to Poor & Company, Chicago, Illinois, a corporation of Delaware, assignee.

131,732. **VICTORY.** SALT. Registered May 25, 1920. CRYSTALINE SALT COMPANY, Jersey City, N. J., and Boston, Mass. Renewed May 25, 1940, to Worcester Salt Company, New York, N. Y., a corporation of New York, assignee by mesne assignments.

131,789. **OHMAX.** RESISTANCE MATERIAL IN SHEETS, STRIPS, STRANDS, AND ROLLED AND FLATTENED WIRE FOR ELECTRICAL-RESISTANCE ELEMENTS. Registered May 25, 1920. DRIVER-HARRIS COMPANY, Harrison, N. J., a corporation of New Jersey. Renewed May 25, 1940.

131,959. **AL.** WHEAT-FLOUR AND CORNMEAL. Registered June 8, 1920. BAY CITY MILLING COMPANY, Bay City, Mich., a firm. Renewed June 8, 1940.

131,986. **SILVER SPRED.** OLEOMARGARIN. Registered June 8, 1920. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed June 8, 1940, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

132,024. **ROMANZA.** OLIVE-OIL. Registered June 8, 1920, to MUSHER & COMPANY, INCORPORATED, New York, N. Y., San Diego, Calif., Baltimore, Md., and Washington, D. C. Renewed June 8, 1940, to Pompeian Olive Oil Corporation, Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

132,059. **SUNBEAM.** A DAIRY RATION. Registered June 8, 1920. THE UBIKO MILLING COMPANY, St. Bernard, Ohio, a corporation of Ohio. Renewed June 8, 1940.

132,067. **WAPCO.** CERTAIN NAMED FOODS. Registered June 8, 1920. WAPLES-PLATTER GROCER COMPANY, Denison, Tex. Renewed June 8, 1940, to Waples Platter Company, Fort Worth, Tex., a corporation of Texas, by change of name.

132,085. **ARMAND, ETC.** TOILET SOAPS. Registered June 15, 1920. THE ARMAND COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed June 15, 1940.

132,214. **TUDOR.** BOND-PAPER FOR WRITING, PRINTING, AND LEDGER PURPOSES. Registered June 15, 1920. NEENAH PAPER CO., Neenah, Wis., a corporation of Wisconsin. Renewed June 15, 1940.

132,218. **NoMend.** HOSIERY. Registered June 15, 1920. NOMEND HOSIERY MILLS M. B. LAUBACH CO. INC. Renewed June 15, 1940, to NoMend Hosiery, Inc., Philadelphia, Pa., a corporation of Pennsylvania, by merger.

132,243. **SPANISH CASTLE.** SOAP. Registered June 15, 1920, ALEX. D. SHAW & CO. Renewed June 15, 1940, to Alex. D. Shaw & Co., Inc., New York, N. Y., a corporation of New York, assignee.

132,245. **CRESCENT GROUND.** SAWS. Registered June 15, 1920. SIMONDS MANUFACTURING COMPANY. Renewed June 15, 1940, to Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts, assignee.

132,276. **MOLESKIN.** WRITING-PAPER AND MAILING-ENVELOPS. Registered June 15, 1920. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed June 15, 1940.

132,295. **MASORINE.** AN ANTISEPTIC FOR USE IN THE NOSE. Registered June 22, 1920. JOSEPH O. BEAUCHAMP, Springfield, Mass. Renewed June 22, 1940, to Edward J. Beauchamp, Lewiston, Maine, assignee.

132,307. **STOP IT.** PERSPIRATION-COUNTERACTOR. Registered June 22, 1920. ROY W. BRIDGMAN, San Jose, Calif. Renewed June 22, 1940.

132,415. **"77".** A PREPARATION FOR THE TREATMENT OF CERTAIN NAMED DISEASES AND AFFECTIONS. Registered June 22, 1920. HUMPHREYS HOMEOPATHIC MEDICINE CO., New York, N. Y., a corporation of New York. Renewed June 22, 1940.

132,416. **WOMAN AND LION.** HOMEOPATHIC MEDICINES FOR TREATMENT OF CERTAIN NAMED DISEASES AND AFFECTIONS. Registered June 22, 1920. HUMPHREYS HOMEOPATHIC MEDICINE CO., New York, N. Y., a corporation of New York. Renewed June 22, 1940.

132,417. **WOMAN WITH TWIGS.** WITCH-HAZEL AND OINTMENT CONTAINING WITCH-HAZEL. Registered June 22, 1920. HUMPHREYS HOMEOPATHIC MEDICINE CO., New York, N. Y., a corporation of New York. Renewed June 22, 1940.

132,420. **IVY.** CORSETS, BRASSIÈRES, BUST-SUPPORTERS, AND CORSET-WAISTS. Registered June 22, 1920. IVY CORSET COMPANY, Worcester, Mass, a corporation of Massachusetts. Renewed June 22, 1940.

132,435. **LION.** LEATHER AND FABRIC GLOVES. Registered June 22, 1920. LANGENBERG HAT COMPANY. Renewed June 22, 1940, to Harris Langenberg Hat Co., St. Louis, Mo., a corporation of Missouri, by change of name.

132,453. **UNIFLOW.** ABRASIVE OR GRINDING BELTS. Registered June 22, 1920. MANNING ABRASIVE COMPANY INC. Renewed June 22, 1940, to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts, assignee.

132,490. **POMPEIAN.** CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered June 22, 1920. THE POMPEIAN MFG. CO., Cleveland, Ohio. Renewed June 22, 1940, to Laco Products, Inc., Baltimore, Md., a corporation of Maryland, assignee by mesne assignments.

132,583. **WAX-ALL.** A WAX AND STAIN FLOOR-FINISH. Registered June 22, 1920. B. LUCAS WEBB, Columbia, S. C. Renewed June 22, 1940.

132,586. **CURRENCY.** FINE WRITING-PAPER. Registered June 22, 1920. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed June 22, 1940.

132,614. **DUPLICO.** TYPEWRITER-RIBBONS, CARBON-PAPER, AND STENCIL-INK. Registered June 29, 1920. CHARLES E. ARCHBALD, New Brunswick, N. J. Renewed June 29, 1940.

132,636. **SEASIDE.** DRY LIMA BEANS. Registered June 29, 1920. CALIFORNIA LIMA BEAN GROWERS ASSOCIATION, Oxnard, Calif., a corporation of California. Renewed June 29, 1940.

132,639. **PRESTO.** A COMPOSITION FOR OPENING CLOGGED PIPES, TRAPS, AND DRAINS. Registered June 29, 1920. THE CHAMBERLAIN HABER CHEMICAL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed June 29, 1940.

132,699. **RELCO.** FOUNTAIN-PENS. Registered June 29, 1920. ABRAHAM HARRIS, New York, N. Y. Renewed June 29, 1940.

132,785. **BEECHWOOD.** COAL, GAS, AND WOOD HEATERS, STOVES, AND RANGES. Registered January 29, 1920. QUAKERTOWN STOVE WORKS, Quakertown, Pa., a corporation of Pennsylvania. Renewed June 29, 1940.

132,869. **P C.** LIQUID MEDICINE IN THE NATURE OF A TONIC FOR THE NERVES AND DIGESTIVE SYSTEM. Registered June 29, 1920. PAUL C. ZIESCHANG, Columbus, Ohio. Renewed June 29, 1940.

LABELS

REGISTERED FEBRUARY 6, 1940

54,243.—*Title:* TIC-DED. For a General Live Stock Spray for the Destruction of Ticks, Lice, Etc. BICE OIL COMPANY, Kerryville, Tex. Published May 5, 1939.

54,244.—*Title:* THE POCAHONTAS HERB TABLETS. For Herb Tablets. MARY C. CHENEY, doing business as The D. I. Kelley Co., Narragansett, R. I. Published November 22, 1939.

54,245.—*Title:* SUPREME SHUFFLEBOARD. For Shuffleboards. JACOB FROEHLICH CABINET WORKS, New York, N. Y. Published September 30, 1939.

54,246.—*Title:* MISSOURI HICKORY BARBECUE SAUCE. For Barbecue Sauce. W. L. GRIFFIN, Los Angeles, Calif. Published December 16, 1939.

54,247.—*Title:* W. G. MARR'S QUICK ACTION FACE LINIMENT. For a Face Liniment. WILLIAM G. MARR, Chicago, Ill. Published December 15, 1939.

54,248.—*Title:* NATIONAL BOHEMIAN. For Bock Beer. THE NATIONAL BREWING CO., Baltimore, Md. Published January 2, 1940.

54,249.—*Title:* GOOD LUCK PERFUME. For Perfume. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published August 13, 1930.

54,250.—*Title:* ALBUM OF THE MONTH SOCIETY. For Phonograph Records and Phonograph Record Albums. W. H. NUSSBAUM, doing business as Album of the Month Society, New York, N. Y. Published December 23, 1939.

54,251.—*Title:* VISE-TITE WATER SAFETY ENGINE PLUG. For Engine Plugs. S. E. PEARSON, doing business as The S. E. Pearson Mfg. Co., Kansas City, Kans., and Chicago, Ill. Published September 30, 1939.

54,252.—*Title:* MARION WEEBER JEWELRY AMERICAN ARTIST. For Jewelry. MARION WEEBER, New York, N. Y. Published December 19, 1939.

PRINTS

REGISTERED FEBRUARY 6, 1940

17,825.—*Title:* CHARGE-MASTER. For Instruments to Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. THE ANDERSON COMPANY, Gary, Ind. Published December 11, 1939.

17,826.—*Title:* THE WORLD'S STANDARD FOR 62 YEARS. For Cream Separators and Milkers. THE DE LAVAL SEPARATOR CO., New York, N. Y. Published October 25, 1939.

17,827.—*Title:* AWT-O-MATIC. For Powder Compacts. EXCLUSIVE BEAUTY PRODUCTS CO., Chicago, Ill. Published October 17, 1939.

17,828.—*Title:* B. L. E. BACK AND BODY WARMER. For Abdominal Belts. LEWIS A. FRITSCH, Cincinnati, Ohio. Published December 18, 1939.

17,829.—*Title:* SPORTSMASTER HEAVY DUTY OUTDOOR KNIFE. For Heavy Duty Outdoor Knives. IMPERIAL KNIFE COMPANY, INC., Providence, R. I. Published December 12, 1939.

17,830.—*Title:* SELF-DRAINING SOAP HOLDER. For Self-Draining Soap Holders. SALKOT CO., Whitestone, N. Y. Published September 18, 1939.

17,831.—*Title:* A BLUE OX STRUCTURE. For Douglas Fir Timbers. WEST COAST LUMBERMEN'S ASSOCIATION, Seattle, Wash. Published May 24, 1939.

REISSUES

FEBRUARY 6, 1940

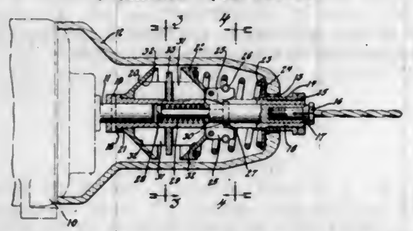
21,341

AUTOMATIC FEED HEAD

Claude E. Broders, Detroit, Mich., assignor, by mesne assignments, to Victor Gauvreau, Detroit, Mich.

Original No. 2,053,514, dated September 8, 1936, Serial No. 669,226, May 3, 1933. Application for reissue May 11, 1938, Serial No. 208,372

7 Claims. (Cl. 77—33)



1. A feed head for feeding a rotating tool to a work piece at a predetermined substantially constant pressure and rate and comprising a body portion, a shaft rotating therein, a sleeve mounted on said shaft, a fixed member and a push member carried by said sleeve, a plurality of centrifugally actuated weights maintained between said members and movable outwardly thereof upon rotation of said shaft to effect sliding movement of said push member on said sleeve, a tool holder carried by said sleeve and slidable longitudinally thereof, a releasable connection between said push member and said tool holder and comprising pivoted dogs carried on said push member and contacting with said tool holder to project said tool holder from the body upon the rotation of said shaft and sliding movement of said push member, a stop operable to release said dogs upon a predetermined amount of projection of said tool holder from said body, and a spring for retracting said tool holder after release of the connection with said push member.

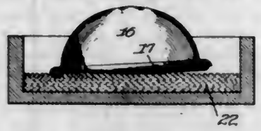
21,342

RUBBER DIAPHRAGM AND METHOD OF MAKING THE SAME

John T. Clark, Oak Park, Ill.

Original No. 2,111,313, dated March 15, 1938, Serial No. 133,279, March 26, 1937. Application for reissue September 25, 1939, Serial No. 296,509

8 Claims. (Cl. 18—59)



7. The method of making a substantially hemispherical rubber diaphragm with a thickened peripheral marginal portion consisting of first molding the diaphragm proper and a part of the thickened marginal portion, said part terminating in shoulders, and then completing the thickened marginal portion by dipping until said thickened marginal portion is built up even with the shoulders.

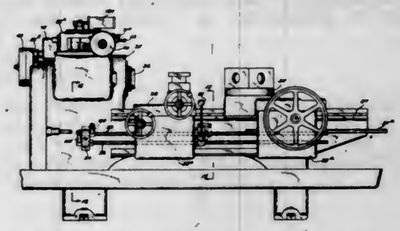
21,343

MACHINE TOOL

Max E. Lange and John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignors to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,129,280, dated September 6, 1938, Serial No. 15,182, April 8, 1935. Application for reissue August 17, 1939, Serial No. 290,711

75 Claims. (Cl. 29—46)



1. In a machine tool having a part to be moved at different speeds for the different operative steps of the cycle, means operable during the movement of said part at one speed for selecting the following speed of said part and for changing the speed thereof to the preselected speed at the end of the operative step, power means for operating said last named means to preselect the speed for said part, a housing for said last named means and for said power means, and a control member operatively connected with said preselecting and speed changing means and remotely arranged with respect to said housing for controlling said preselecting and speed changing means and said power means.

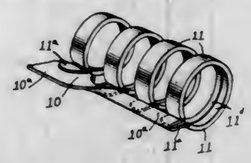
21,344

BINDING DEVICE

Charles E. Emmer, Chicago, Ill., assignor to Circla, Inc., Chicago, Ill., a corporation of Illinois

Original No. 2,123,625, dated July 12, 1938, Serial No. 41,679, September 23, 1935. Application for reissue November 8, 1939, Serial No. 303,371

11 Claims. (Cl. 281—25)

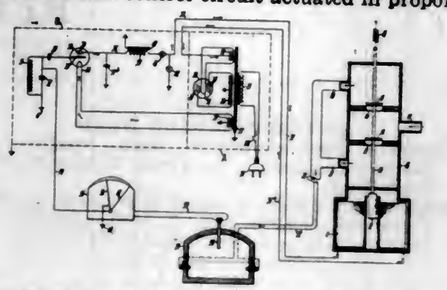


1. A book of perforated sheets having a binding comprising a strip of sheet metal having arms extending from one longitudinal edge portion thereof and of ring-like form extending through the perforations of the sheets, one end of each arm being integral with said longitudinal edge and the other ends of the arms being directed outwardly from the respective ring-like portions and contacting a surface of said strip, said strip being of a width greater than the length of said outwardly directed ends and having the other longitudinal edge portion thereof

folded over into close contact with said ends to secure the ends between said portions of the strip to retain the rings in fully closed relation.

21,345
ELECTRIC REGULATOR FOR FURNACES AND OTHER APPARATUS
George A. F. Machlet, Elizabeth, N. J.
Original No. 2,056,285, dated October 6, 1936, Serial No. 680,494, July 14, 1933. Application for reissue October 5, 1938, Serial No. 233,498
30 Claims. (Cl. 236—69)

30. The combination of a measuring device, an oscillator including a vacuum tube coupled to an oscillatory circuit and a control circuit, means actuated by said device for varying an electrical characteristic of said oscillatory circuit progressively in proportion to changes in the factor measured by said instrument, and controlled means in said control circuit actuated in proportion to the progressive changes in the electrical characteristic of the oscillatory circuit.



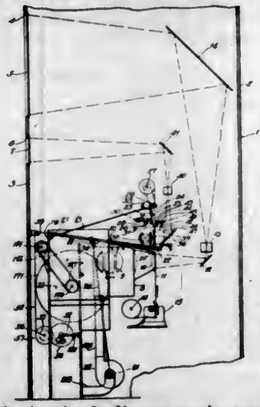
PATENTS

GRANTED FEBRUARY 6, 1940

2,188,895
STABLE ZEIN SOLUTION
Roy E. Coleman, Meriden, Conn., assignor, by mesne assignments, to The Zein Corporation of America, a corporation of Delaware
No Drawing. Application August 9, 1937, Serial No. 158,211
2 Claims. (Cl. 134—12)

2. A substantially non-aqueous zein solution comprising one part by weight of zein and at least two parts by weight of ethylene glycol, said solution having not in excess of about 5% of added water and being stable against separation of the zein at a temperature of 70° F.

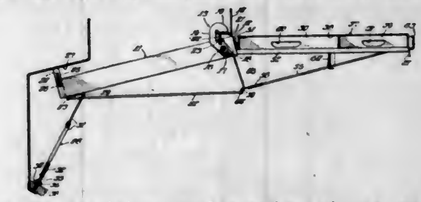
2,188,896
PAGE PRINTER
August D. Eitzen, Rockville Centre, N. Y., assignor to New Projection Corporation, New York, N. Y., a corporation of New York
Application May 1, 1937, Serial No. 140,195
10 Claims. (Cl. 88—24)



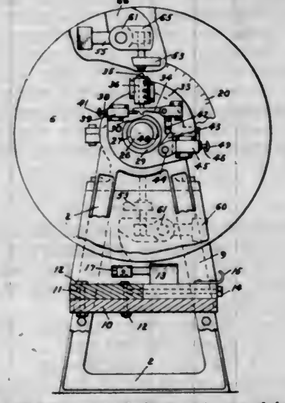
1. A projector including a main screen, an auxiliary screen, two light apertures, a reversible tape drawing means for successively drawing the tape across said light apertures, means including a source of light, lenses and mirrors, one for directing light beams through the tape at one of said light apertures and onto said main screen and the other for directing light beams through the tape at the other of said light beams and onto said auxiliary screen, a device operatively connected to said tape drawing means for reversing said tape drawing means, guides for guiding the tape so reversed across the light aperture for said auxiliary screen only, and auxiliary feeding means normally inoperative drivingly engaging the tape between said light apertures for supplementing said tape drawing means to continue advancing the tape across the light apertures for said main screen when said reversing device is operated.

2,188,897
DESK CONSTRUCTION
Irving B. Hall, Chicago, Ill.
Application December 7, 1936, Serial No. 114,653
13 Claims. (Cl. 311—21)

1. A desk of the kind described for automobiles or the like comprising, in combination, a work table member having an article supporting top, a container for said member, and means for securing said container in a vehicle forwardly of the dash thereof, means for operatively connecting the container and member at one end of the member, and foldable means carried by the container and opposite end portion of the table member, respectively for supporting the opposite free end of the table member.

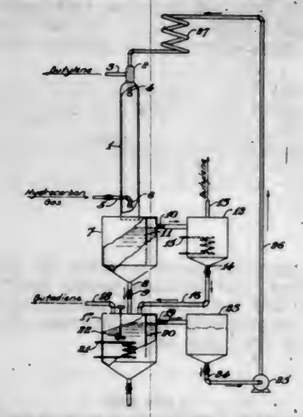


2,188,898
VARIABLE SPEED IMPACT MACHINE
Robert K. Haskell and Harold C. Mann, Watertown, Mass.
Application July 29, 1938, Serial No. 221,967
5 Claims. (Cl. 265—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A variable speed impact machine embodying a support, a hollow shaft journaled in the support, spaced discs carried by the hollow shaft, a hammer disposed between the discs and pivoted therein, a counterbalance pivotally carried by the discs oppositely to the hammer, a rod passing through the hollow shaft diametrically of the discs, interrupted teeth on the opposite ends of the rod, interrupted teeth on the hammer and on the counterbalance and engageable by the teeth on the rod to hold the hammer and counterbalance in retracted position within the periphery of the discs, means for rotating the rod to disengage its teeth from the hammer and counterbalance and release these members for rotation under the influence of centrifugal force upon rotation of the disc, and a pendulum adapted for mounting a test specimen in the path of the released hammer.

2,188,899
RECOVERY OF DIOLEFINS FROM HYDROCARBON MIXTURES
George M. Hebbard and Lewis E. Lloyd, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application July 2, 1938, Serial No. 217,300
7 Claims. (Cl. 260—680)



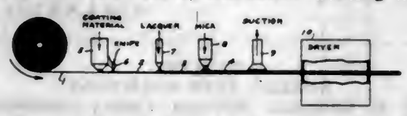
1. In a process for separating diolefins from a hydrocarbon mixture also containing mono-olefins, the steps which comprise contacting said mixture with an aqueous reaction liquor comprising a salt of a heavy metal of groups I and II of the periodic system, whereby an insoluble diolefin-metal salt addition compound is formed and a portion of the mono-olefin is dissolved in the liquor, separating said insoluble addition compound from the bulk of the reaction liquor, heating the reaction liquor thus clarified to drive off the mono-olefin, recombining said heated liquor with the separated diolefin-metal salt addition compound, further heating the slurry thus formed to dissociate said addition compound and liberate the diolefin, and recovering the diolefin.

2,188,900
LIGHT SENSITIVE PAPER AND SENSITIZING COMPOSITION THEREFOR
Gustav A. Hinkel, Pittsburgh, Pa., assignor to B. K. Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 20, 1939, Serial No. 257,331
24 Claims. (Cl. 95—6)

1. A sensitizing composition for blue print paper and the like which comprises an aqueous solution of a ferric alkali metal salt of an organic acid, an alkali metal ferrocyanide, and a hydroxyalkyl amine salt of a polybasic acid.

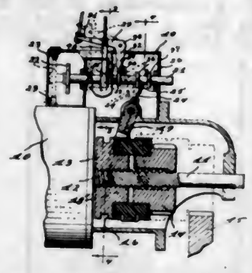
2,188,901
METHOD OF MAKING WATERPROOF CLOTH
Charles S. Hyatt and William D. Hedges, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application February 9, 1938, Serial No. 189,637
2 Claims. (Cl. 91—68)

1. The method of making a waterproof, light resistant flexible, non-tacky fabric comprising a step of impregnating and coating the fabric with a lacquer comprising cellulose nitrate, butyl acetyl ricinoleate, an alkyd resin, ethyl acetate and the necessary solvents and diluents to render the composition lacquer sufficiently fluid for application to the fabric, thereafter dusting mica



on the wet surface of the fabric and brushing the mica into the surface coating to evenly distribute the mica coating, removing the excess mica and subsequently drying the impregnated fabric at an elevated temperature of 180° F.

2,188,902
STARTING SYSTEM FOR INTERNAL COMBUSTION ENGINES AND THE LIKE
Jesse S. Kauffman, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 20, 1933, Serial No. 667,049
Renewed February 18, 1938
22 Claims. (Cl. 123—179)



1. An engine starting system having in combination, an electrically operated starting motor, a driven gear wheel, a pinion on the motor shaft axially movable relative to the latter into and out of mesh with said gear wheel, a switch controlling the operation of said motor, a manually operable control for urging said pinion in a direction to mesh the same with the gear wheel, and means for preventing movement of the pinion in the aforesaid direction until said switch is closed.

2,188,903
POLYSTYRENE COMPOSITIONS
Toivo A. Kauppi, Kenneth D. Bacon, and Frank B. Smith, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 3, 1938, Serial No. 243,770
12 Claims. (Cl. 260—36)

1. A composition of matter comprising a solid resinous derivative of styrene and, as a plasticizing agent therefor, a compound having the general formula

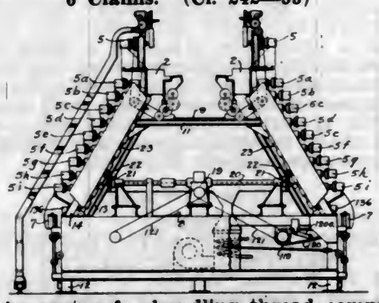
$$\left[R{-}O{-}R'\right]_n{-}X,$$

wherein R and R' each represents an aryl group selected from the class consisting of the phenyl, alkyl-phenyl, aralkyl-phenyl, diphenyl, and naphthyl radicals, and their halogen substitution products, X represents a hydro-aryl radical of the hydro-benzene series wherein the hydro-benzene nucleus contains no olefinic linkages, and n represents an integer from 1 to 6, inclusive.

2,188,904
METHOD OF PRODUCING METALLIC BERYLLIUM
Bengt R. F. Kjellgren and Charles B. Sawyer, Cleveland Heights, Ohio, assignors to The Brush Beryllium Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1936, Serial No. 69,096
3 Claims. (Cl. 204—19)

3. The process of producing metallic beryllium which comprises adding anhydrous beryllium chloride to a mixture of lithium chloride, potassium chloride and sodium chloride combined in substantially eutectic proportions and having a melting point below the melting point of anhydrous beryllium chloride, the beryllium chloride making up from about 30% to about 90% of all the materials, and electrolyzing the beryllium chloride from a bath of the combined materials while the bath is maintained in a molten state at temperatures below the boiling point of anhydrous beryllium chloride.

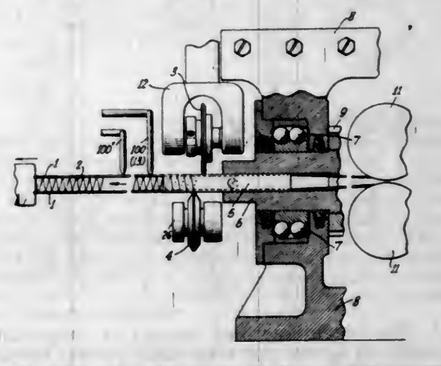
2,188,905
APPARATUS FOR HANDLING THREAD OR THE LIKE
Walter F. Knebusch and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application February 18, 1935, Serial No. 7,114. Divided and this application March 2, 1936, Serial No. 66,596
6 Claims. (Cl. 242—53)



1. Apparatus for handling thread comprising two oppositely inclined banks of parallel, substantially horizontal drive shafts, the drive shafts of each of said banks extending in a direction generally opposite to that of the drive shafts of the other bank; thread-storage, thread-advancing devices associated with the drive shafts of each of said banks, said thread-storage, thread-advancing devices being arranged in a plurality of series each of which handles a single thread; a plurality of intermediate drive shafts each of which is disposed transversely of and adapted to operate a plurality of said drive shafts; a plurality of main drive shafts, at least one for each of said banks, disposed transversely of and adapted to operate said intermediate drive shafts; and, disposed between said banks, common drive means for said main drive shafts so arranged that the space between said banks is largely unobstructed.

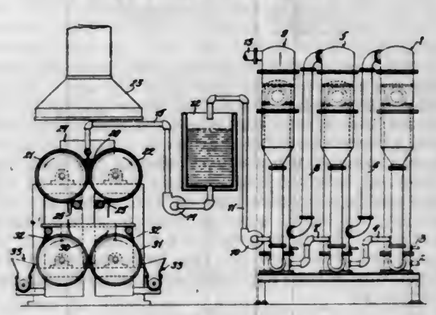
2,188,906
APPARATUS FOR MAKING GRIDS
James A. Lackey, Belleville, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware
Application February 10, 1938, Serial No. 189,813
22 Claims. (Cl. 140—71)

1. In a grid machine, in combination, a rotating mandrel for support wire including means for supplying support wire thereto, means for feeding the support wire along the mandrel, a notching wheel for forming notches in the wire as the latter is drawn along the mandrel, means for feeding grid wire to form the grid coils about the support wire with the grid wire disposed in the notches formed by the notching wheel, an abrading wheel for fastening the grid turns within the notches, including means for with-



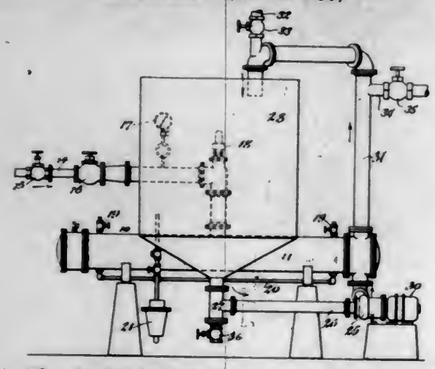
drawing the abrading wheel from engagement with the support wire at intervals to provide unfastened sections of grid wire turns alternating with fastened sections, movable electrode means and means for bringing the latter into contact with the grid wire to sever the unfastened grid wire sections, an electrical circuit for supplying electrical potential between the electrode and the grid wire, and means for closing said circuit simultaneously with the bringing of the electrode means into contact with the grid wire.

2,188,907
DRYING SOLUTIONS CONTAINING LACTOSE
Charles O. Lavett, Buffalo, N. Y., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y., a corporation of New York
Application July 8, 1937, Serial No. 152,616
10 Claims. (Cl. 99—57)



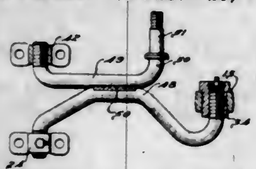
1. The process which comprises producing a heavily concentrated solution containing solids a preponderance of which is lactose, said solution being of such heavy concentration as to prevent free movement of seed crystals therethrough, seeding a heated surface with lactose crystals and spreading the concentrated solution in the form of a layer on said seeded and heated surface to effect simultaneous drying of said layer and crystallization of the lactose in solution.

2,188,908
PROCESS FOR COAGULATING PROTEINS IN LIQUOR
Charles O. Lavett, Buffalo, N. Y., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y., a corporation of New York
Application December 13, 1937, Serial No. 179,403
11 Claims. (Cl. 99—57)



1. The hereindescribed process of coagulating proteins in dilute, heat coagulable protein bearing liquors, which comprises maintaining a relatively large body of said liquor, withdrawing liquor from said body, heating said withdrawn liquor, returning said heated liquor to said body to maintain the temperature of said body above that at which the proteins start to coagulate, and introducing feed liquor to the liquor in process of coagulation.

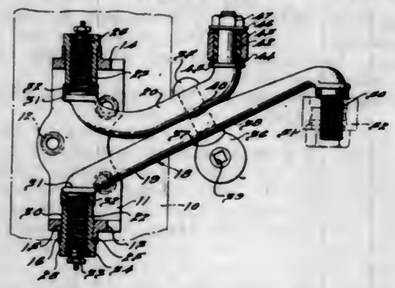
2,188,909
SUSPENSION ARM
John W. Leighton, Port Huron, Mich.
Application October 19, 1936, Serial No. 106,340
Renewed May 1, 1939
9 Claims. (Cl. 267—20)



1. An arm for an individual suspension comprising a pair of bars arranged in side by side relation and being welded together along a substantial linear portion, said bars diverging relatively at one side of the weld and terminating in offset, substantially aligned bearing portions, one of the bars extending beyond the end of the other at the opposite side of the weld and terminating in offset bearing portion substantially parallel to the first bearing portions, and a pin projecting from one of the bars adjacent the welded connection for attaching a shock absorber to the arm.

2,188,910
INDEPENDENT SPRINGING
John W. Leighton, Port Huron, Mich.
Application June 2, 1939, Serial No. 277,095
7 Claims. (Cl. 267—20)

1. In an individual suspension, an arm for pivotally linking a wheel support to the vehicle frame and comprising a pair of U shape bars having their base portions in back to back abutting relation so as to have the legs on one bar projecting oppositely to the legs on the other bar, each of said legs being formed to provide a



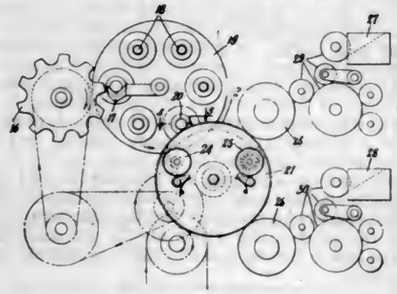
journal or trunnion, and means for connecting the base portions of the bars.

2,188,911
WHEEL COVER DISK
George Albert Lyon, Allenhurst, N. J.
Application August 2, 1937, Serial No. 156,872
5 Claims. (Cl. 301—37)



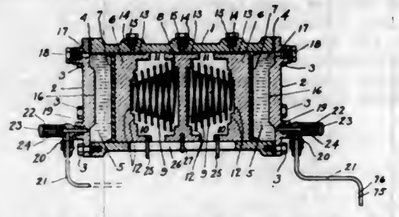
1. In a wheel cover structure, a wheel cover member having a re-entrant groove, and a combination decorative and protective member overlying a part of said cover member, said member including a skirt having a curled innner edge nested in said re-entrant groove and forming an interlocking engagement therewith.

2,188,912
METHOD OF AND APPARATUS FOR MAKING COLLAPSIBLE CONTAINERS
Joseph D. Martina, Newark, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Application July 10, 1936, Serial No. 89,863
Renewed May 4, 1939
12 Claims. (Cl. 101—38)



1. In apparatus of the class described means for supporting a hollow article, a drum adjacent said supporting means, a flexible, yielding member on the surface of said drum, a rigid member extending from the face of said yielding member, and means for producing a relative rolling movement between an article on said supporting means and said yielding member.

2,188,913
HYDRAULIC BRAKE
Malcolm L. Masteller, Miami, Fla.
Application October 9, 1936, Serial No. 104,851
18 Claims. (Cl. 60—54.5)

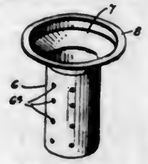


1. In a brake having a plurality of hydraulic systems; means for equalizing the pressures therein, comprising a casing and a chamber therein; a plurality of reciprocating members in said chamber, each of said reciprocating members having the effect of closing off a liquid containing compartment; means for associating each of said liquid containing compartments with one of said hydraulic systems in such manner that it form a part thereof, each of said reciprocating members having one face in contact with the operating liquid in one of said hydraulic systems; and resilient means, common to all, acting upon the other side of each of said reciprocating members.

2,189,914
CARBONYL COMPOUNDS OF STEROIDS AND PROCESS FOR THE MANUFACTURE THEREOF
Karl Miescher, Riehen, and Albert Wettstein and Werner Fischer, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application October 27, 1938, Serial No. 237,374. In Switzerland November 12, 1937
4 Claims. (Cl. 260—397)

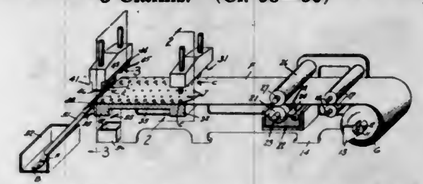
1. A process for the manufacture of carbonyl compound of steroids, comprising condensing a compound of the steroid series containing the group $—CH_2.CO—$ with a member of the group consisting of a nitroso compound and a nitric acid ester and converting the product so obtained into a compound containing the group $—CO.CO—$.

2,188,915
INLAY HEATER AND RING
Dan D. Mizzy and David L. Durst, Sacramento, Calif.
Application May 26, 1937, Serial No. 144,878
1 Claim. (Cl. 22—97)



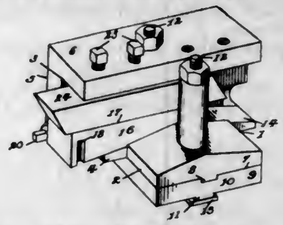
In a device of the character described an investment ring comprising an elongated sleeve and an annular flaring head on one end of the sleeve adapted to support and center the sleeve with relation to a sprue former while the investment material is being poured into the sleeve, said sleeve and head being made of a metal having substantially the same coefficient of expansion as the investment material.

2,188,916
METHOD OF MAKING CONTAINER PARTS
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 9, 1938, Serial No. 212,846
8 Claims. (Cl. 93—36)



1. A method of producing container parts from sheet material and with relieved corners, which comprises feeding the sheet material in a predetermined path of travel, punching a plurality of holes in predetermined position and in predetermined relationship in the material, and thence cutting with one operation along three sides of each part while joining adjacent holes, thereby producing a plurality of container parts each having a predetermined outline and having its corners relieved.

2,188,917
TOOL POST
John E. Poorman, Philadelphia, Pa.
Application August 12, 1938, Serial No. 224,625
2 Claims. (Cl. 82—36)

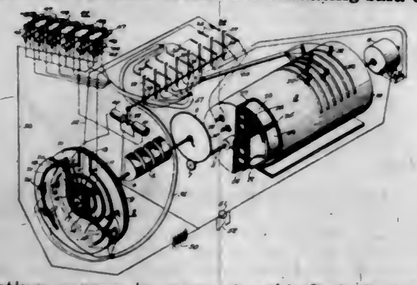


1. A tool post formed with a tool-receiving recess, the bottom wall of the recess inclining in both directions downwardly from the transverse center of the post, a wedge having an inclined face for directly cooperating with either inclined surface, said wedge having a plane upper face to directly engage and support a tool, interfitting cooperating means on the wedge and engaging the post to positively adjust the wedge in either direction, threaded openings in the upper wall of the post duplicated on each side of the transverse median line of the post to receive clamping bolts, and threaded openings in the rear wall of the recess duplicated on each side of the transverse median line of the post to receive adjusting screws for the tool.

2,188,918
AUTOMATIC POSITION-SELECTING DEVICE
Jackson H. Pressley, Abington, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 9, 1937, Serial No. 163,131
14 Claims. (Cl. 172—239)

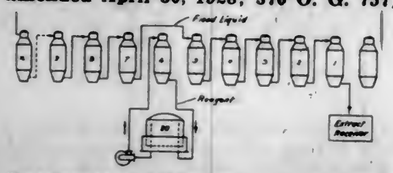
1. In an apparatus for positioning a movable element, a motor for moving said element, a positioning device comprising a plurality of contact segments engageable by a contact element, a circuit including one of said contact segments and said contact element for controlling the energization of said motor to move said movable

element to a selected position range or zone, a second positioning device for controlling the energization of said motor to move said movable element to a desired position within said range, means for connecting either of said devices to said motor to the exclusion of the other device, manually operable means for actuating said con-



necting means to connect said first device to said motor, and a circuit including another of said contact segments and said contact element for actuating said connecting means to connect said second device to said motor when said movable element has been moved to a position within said range.

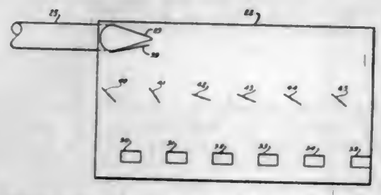
2,188,919
APPLICATION OF REAGENTS IN COUNTER-CURRENT EXTRACTION
Max J. Proffitt, Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of Commerce and his successors
Application March 29, 1939, Serial No. 264,744
5 Claims. (Cl. 23—268)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a process of extraction comprising an input of solvent at the head of an extraction column counterwise to an input of material to be extracted, and in which the material is treated in several cells, the method which consists in charging a material carrying cell with flood liquid derived from near the extract-delivery end of a column of cells, advancing said cell with reference to the flow of flood liquid until it reaches a position intermediate the column, isolating the said material from the flow of flood liquid, treating said isolated material with a reagent while by-passing flood liquid from the next ensuing treating cell to the next preceding cell, removing excess treating reagent from the said material and reintroducing the treated material to the flow of flood liquid in the next succeeding stage of extraction.

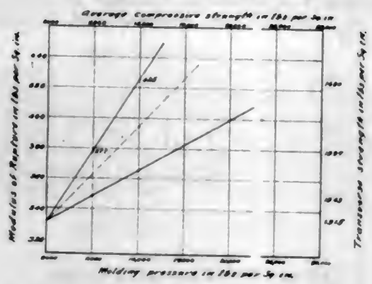
2,188,920
CONTROL APPARATUS FOR OPERATING FURNACES
Herbert A. Reece, Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation, a corporation of Tennessee
Application June 25, 1938, Serial No. 215,791
6 Claims. (Cl. 266—30)

1. In a furnace having a wind box disposed adjacent the body of the furnace, said wind box having an inlet adapted to communicate with a source of blown air and having a plurality of tuyères having entrances into the wind box, the tuyères being adapted to communicate with the interior of the body of said furnace, the interior of the wind box forming a common chamber through which the blown air passes from the inlet to the entrances of the said tuyères, a plurality of deflecting vanes mounted at a distance from said entrances and within the common chamber of



said wind box in the path of the blown air passing from said inlet to the entrances of said plurality of tuyères, adjustable means for tilting said vanes into deflecting position, and means for securing the said vanes in said deflecting position, the deflecting position of said vanes being such that the blown air in said wind box and meeting said vanes is divided and deflected in passing from said inlet to said plurality of tuyères to substantially equalize the velocity of the blown air delivered to the entrance of each of said tuyères.

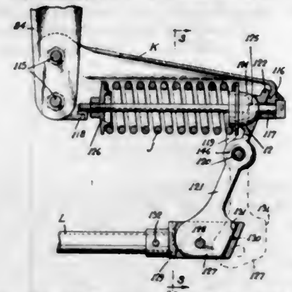
2,188,921
PROCESS OF MAKING REFRACTORIES
François Richard, Cleveland, Ohio
Application February 17, 1936, Serial No. 64,204
14 Claims. (Cl. 25—156)



1. A process of making refractories, which comprises crushing magnesian rock, incorporating water, burning, crushing the burned product, screening into fines and coarser particles, reproportioning the fines and coarser particles, incorporating water, pressing into shapes under a pressure of at least 10,000 pounds per square inch, and curing the shapes in the presence of water.

14. A process of making refractories, which comprises mixing finely divided hydrateable magnesium-containing refractory material with coarser magnesium-containing refractory particles not exceeding four mesh, removing air by supplying through the mass water sufficient to fill the voids, introducing the wetted mass into a pressing zone and pressing into form under at least 14,000 pounds per square inch, allowing the formed articles to set at ordinary temperatures, supplying additional moisture, and further allowing to set.

2,188,922
AUTOMATIC TRAIN PIPE CONNECTOR
Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin
Application April 9, 1935, Serial No. 15,458
6 Claims. (Cl. 285—58)



3. In an automatic train pipe connector, in combination, a coupler lug or the like, a bracket extending rearwardly therefrom, a rocker member pivoted between its upper and lower ends upon the said bracket, spring means coacting with the rocker member and including a spring, a spring seat having a ball and socket-like engagement with the upper end of the rocker member, a tie rod passing loosely through the upper end of the rocker member engaging the bracket at one end, an abutment on the other end of said tie rod connecting with the spring at the end opposite the spring seat thereof, and a coupling head mounted upon the lower end of the rocker member.

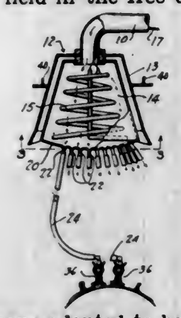
2,188,923
TAMPON
Vera E. Robinson, Chicago, Ill.
Application October 20, 1937, Serial No. 169,949
4 Claims. (Cl. 128—285)



1. A sanitary tampon comprising a body of fibers; said body having the capacity to expand under absorption of fluid but being initially under transverse condensation that leaves it with a materially reduced circumferential dimension; a tubular jacket consisting of highly porous fabric separate from and independent of the body; said jacket surrounding said body and confining the fibers thereof and having a normal circumferential dimension substantially equal to that of the body when expanded as aforesaid, but gathered circumferentially into folds that are independent of the body and overlie the external circumferential surface thereof and leave the tubular jacket with a reduced circumferential dimension; and an adhesive soluble under conditions encountered by the tampon in use adhering together the lapped portions of the folds and holding the tubular wall at its reduced circumferential dimension under tension and in expansion-resisting embrace upon the condensed body until released.

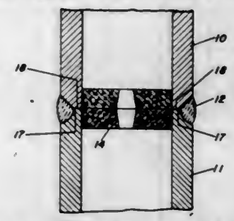
2,188,924
METHOD AND APPARATUS FOR DRYING HAIR
Earl L. Rockwood, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application September 30, 1936, Serial No. 103,300
6 Claims. (Cl. 132—9)

1. In a hair drying apparatus, a chamber, heating means associated with said chamber, a plurality of relatively small flexible conduits leading from said chamber, means to force air through said chamber into said conduits, connector pieces held in the free ends of said con-



duits, and means adapted to be attached to said connector pieces to hold a mass of hair to be dried and force air from the conduits therethrough.

2,188,925
WELDING JOINT AND CHILL RING THEREFOR
Bela Ronay, Annapolis, Md.
Application February 24, 1939, Serial No. 258,266
5 Claims. (Cl. 113—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



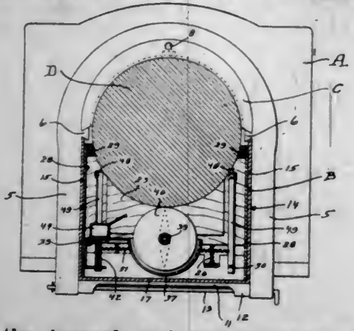
1. A hollow chill ring comprising a chill ring unit in the form of a truncated cone, said chill ring unit being insertable completely into the end of the pipe being joined, said chill ring unit being non-metallic, said non-metallic chill ring unit consisting of approximately 45% alumina, 45% confectioner's sugar, and 10% graphite.

5. In the method of preparing two pipe ends for welding into a single joint, the insertion of a frusto-conical chill ring section into each pipe end with its smaller diameter interior of the pipe end and its greater diameter flush with the pipe end, the smaller and greater diameters of the chill ring portion encompassing the limits of tolerance of the pipe diameter, the material of the chill ring section being semi-plastic to insure perfect faying of the chill ring section to the pipe end, and then placing the two pipe ends into abutting relation with the flush ends of the chill ring sections abutting to form a properly fayed complete chill ring.

2,188,926
LOCOMOTIVE JOURNAL OILER
Joseph P. Savage, Columbus, Nebr.
Application February 4, 1938, Serial No. 188,771
14 Claims. (Cl. 308—91)

1. In a journal box lubricator, an oil cellar, a lubricating unit fitting in the cellar embodying a pair of yieldable wiper plates inherently spring-urged toward the journal, an oil feeder hinged upon one of said plates embodying an

impelling wheel and a pair of spaced apart propellers rotatable with the wheel for throwing oil



upon the journal, and spring means normally urging the feeder toward the journal.

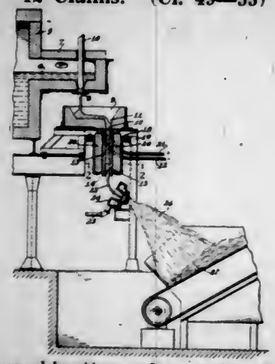
2,188,927

ELECTRICALLY HEATING MOLTEN GLASS

Games Slayter, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Substitute for abandoned application Serial No. 659,453, March 3, 1933. This application February 26, 1938, Serial No. 192,688

12 Claims. (Cl. 49—55)



5. The combination of a pair of electrodes formed with opposite recesses which together provide a channel of substantially uniform cross-sectional shape and area throughout its length, the length of said channel being at least several times as great as its greatest diameter, through which channel a stream of molten glass is caused to flow, and means for supplying electric current and causing it to pass from one to the other of said electrodes through the glass flowing in said channel.

2,188,928

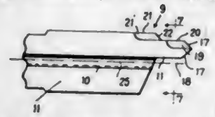
DRILL FOR DRILLING HOLES IN WOOD

John William Stolle, Ashland, Maine, assignor to Charles W. Stevens, Danbury, Conn.

Original application June 20, 1936, Serial No. 86,244. Divided and this application October 26, 1938, Serial No. 236,998

3 Claims. (Cl. 145—119)

3. A relatively long and slender drill for forming bores in textile bobbins and the like, said drill having a passage to supply gaseous fluid for the drilling operation, an exit path for chips and cuttings being conveyed by said fluid, an axial opening for an uncut core formed in the drilling operation, a cutting face, a pilot cutting section projecting forwardly of said cutting face and positioned eccentric to the axis of the drill, said pilot section being adapted to cut an annular groove in advance of said cutting face and to leave an uncut core extending into said axial drill opening, a sharp reaming edge on the side of said pilot section for shaving the wall of said groove to prevent binding of the pilot section in the drilling operation thereof, a cutting edge at said cutting face and extending laterally from said pilot cutting



section to the drill periphery for enlarging said groove to form a hole of substantially the diameter to be cut by the drill, and a sharp reaming edge on the drill side and extending rearwardly of said cutting face, said drill side reaming edge being spaced from the drill axis throughout its active length by substantially the radius of the hole to be formed and adapted to shave the wall of the hole.

2,188,929

DRILLING DEEP HOLES IN WOOD

John William Stolle, Danbury, Conn., assignor to Charles W. Stevens, Danbury, Conn.

Application June 20, 1936, Serial No. 86,244

7 Claims. (Cl. 144—309)



1. The method of drilling holes of relatively small diameter through elongated wooden blanks which consists in forming a bore of the desired diameter therein with no uncut core portion extending therethrough and simultaneously with the formation of the bore forming an annular cylindrical-like groove with a short uncut core in the center thereof in advance of the bore throughout the drilling operation for guiding the drill in the rectilinear direction.

2,188,930

METAL CLEANING PROCESS

Cedric Arthur Vincent-Daviss, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 8, 1938, Serial No. 229,008

4 Claims. (Cl. 148—8)

2. The process for removing an oxide film from the surface of a ferrous metal which comprises bringing said surface into contact with a fused alloy composed principally of lead and containing at least 0.5% by weight of alkali metal, at a temperature of not less than about 500° C. and thereafter mechanically removing any adhering lead alloy from said surface without substantial abrasion of said surface.

2,188,931

CONCENTRATION PROCESS

Arthur J. Weinig, Golden, Colo., assignor to Potash Company of America, Denver, Colo., a corporation of Colorado

No Drawing. Application February 19, 1935, Serial No. 7,219. Renewed February 11, 1939

2 Claims. (Cl. 209—166)

1. A process of concentrating ores containing potassium chloride and sodium chloride which comprises subjecting the ore pulp containing potassium chloride and sodium chloride to a froth flotation treatment in the presence of sodium lauryl sulphate.

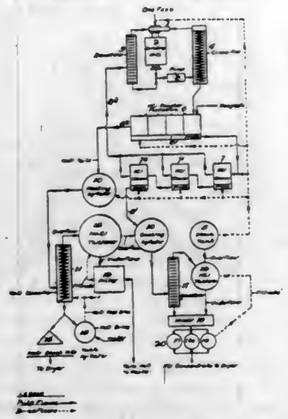
2,188,932

FLOTATION PROCESS FOR SYLVINITE ORES

Arthur J. Weinig, Golden, Colo., assignor to Potash Company of America, Denver, Colo., a corporation of Colorado

Application August 28, 1935, Serial No. 38,316

15 Claims. (Cl. 83—94)



1. In a process of treating sylvinite ore, the steps of forming a pulp by introducing sylvinite ore in finely divided condition into a saturated solution of the ore, selectively froth floating potassium chloride particles from said pulp under the action of a reagent having an affinity therefor, dissolving any potassium chloride remaining in said pulp after the flotation separation by raising the temperature of the pulp, separating the resulting solid sodium chloride from solution, crystallizing potassium chloride from the resulting solution by subsequently lowering the temperature thereof in the presence of said floated potassium chloride particles, and then washing the said potassium chloride solids free from any solution containing sodium chloride.

2,188,933

FLOTATION TREATMENT OF SYLVINITE ORES

Arthur J. Weinig, Golden, Colo., assignor to Potash Company of America, Denver, Colo., a corporation of Colorado

No Drawing. Application February 1, 1937, Serial No. 123,484

20 Claims. (Cl. 209—166)

1. A process for the recovery of potassium chloride from sylvinite ores by selective flotation, which comprises entering sylvinite ore into a saturated solution of such ore, containing a cation of the lead, bismuth class, to form a pulp, and subjecting the pulp to a froth flotation treatment in the presence of a cresol and a fatty acid having a selective affinity for sodium chloride in the pulp.

2,188,934

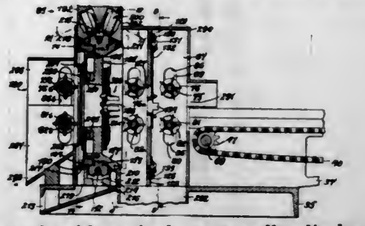
CORN CUTTER

Henry J. Wheeler, Buffalo, N. Y., assignor to Chisolm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York

Application November 5, 1936, Serial No. 109,324

21 Claims. (Cl. 130—9)

13. In a high speed rotary corn cutter, a rotary head having an opening extending axially therethrough, means for rotating said head, the wall forming the front of said opening being flared outwardly to form a conical forwardly discharging surface and the wall forming the rear of said opening being flared outwardly to form a conical rearwardly discharging surface, cutting means carried by said head and having a cutting edge located in the zone of said conical forwardly discharging surface and arranged to engage and pass circumferentially around said ears to cut the kernels therefrom, a scraping means carried by said head and having a blunt end located in



the zone of said conical rearwardly discharging surface and arranged to engage and pass circumferentially around said ears and scrape the portion of the kernels remaining after passing said cutting edge, and means for passing the ears of corn axially through said opening, the conical forwardly and rearwardly discharging surfaces receiving the portions of the kernels cut and scraped by said cutting and scraping means, respectively, and separately discharging them from said head.

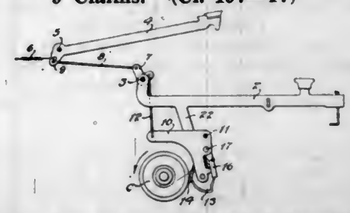
2,188,935

TYPEWRITER

Carlos Wittenmyer, Mount Clemens, Mich.

Application February 18, 1937, Serial No. 126,442

9 Claims. (Cl. 197—17)



1. In an apparatus of the kind described, the combination of a power-supplying member, an operating key, a type bar, an actuating part for said type bar, a part adapted to automatically engage said actuating part and said power-supplying member so that said power supplying member shall actuate said type bar actuating part to cause the printing stroke of the type bar, means mounted to move with said actuating part for automatically restraining said engaging part, said operating key when depressed being adapted to contact said movable restraining means at the beginning and end of the stroke of the type bar only to disengage said restraining means.

2,188,936

METHOD OF DEVELOPING WELLS

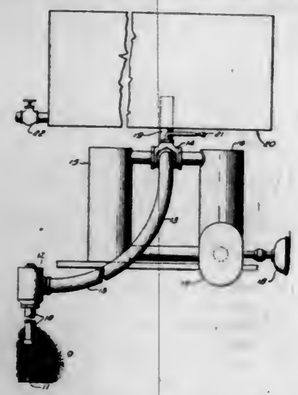
Gustav A. Zeidler, Jr., Medford Station, N. Y.

Application October 22, 1937, Serial No. 170,312

1 Claim. (Cl. 166—21)

The method of developing wells which comprises sinking a well-casing a suitable distance into the liquid-bearing stratum, setting the well screen in said stratum at the bottom of the casing, pumping a portion of the liquid together with a portion of the finer constituents of said stratum

from the liquid-bearing formation, temporarily storing said mixture of liquid and fine particles near the surface of the well, in order to enable the separation of the liquid from the fine particles, forcing said liquid down into the liquid-bearing stratum under pressure to cause it to impinge through the screened end thereof into the liquid-bearing formation, whereby the finer



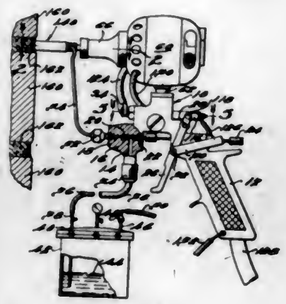
particles of said formation are loosened and caused to settle in the vicinity of said well screen, reversing the flow of liquid in the well casing to withdraw another portion of the liquid together with the suspended particles, and repeating this operative cycle until the fine particles of the formation surrounding the screen section of the well casing have been removed to the desired extent.

2,188,937
LINE TIGHTENER
Paul E. Bertram, Crystal Lake, Ill.
Application March 18, 1939, Serial No. 262,719
1 Claim. (Cl. 254—67)



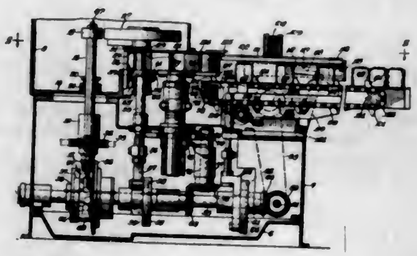
In a line tightener, the combination with an elongated tubular casing having a circular open end with an outwardly curved lip extending circumferentially of said end, means formed integrally with said casing providing a pair of aligned bearings spaced lengthwise of said casing, a screw journalled in said bearings, a guideway between said bearings, a nut fitted on said screw and dimensioned to be held in non-turning relation to said guideway, and a line engaging member adapted to be moved axially of said casing under control of movement of said screw relative to said nut.

2,188,938
APPARATUS FOR TREATING MASONRY AND LIKE SURFACES
Warren G. Brown and Warren D. Brown, Detroit, Mich., assignors of one-third to Francis C. Bagby, Birmingham, Mich.
Application September 9, 1938, Serial No. 229,170
12 Claims. (Cl. 72—128)



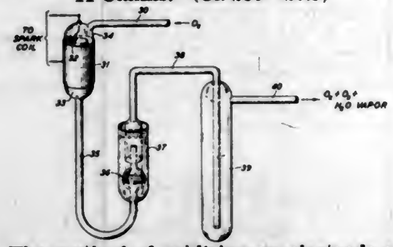
1. In apparatus of the type described, in combination, a support, a motor mounted thereon, a head, means connecting said head and motor so constructed and arranged as to repeatedly shift the center of mass of said head in opposite directions transversely to the axis of said motor during operation of said motor, and control means carried by said support for controlling the energization of said motor.

2,188,939
VACUUM CAN CLOSING MACHINE
Allan M. Cameron, Oak Park, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois
Application April 19, 1937, Serial No. 137,674
7 Claims. (Cl. 113—82)



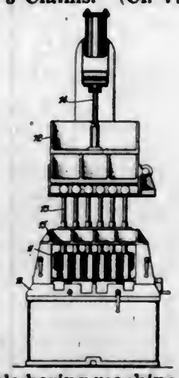
1. A vacuum can closing machine comprising a rotatable turret having can body and cap receiving pockets, a vacuum chamber provided with an opening through which a segment of said turret extends into the chamber, said opening having end walls arranged to sealingly engage the periphery of the turret and parallel rigid top and bottom walls machined to sealingly engage the opposed faces of the turret whereby the chamber is sealed, a removable top plate overlying a portion of said turret exteriorly of said vacuum chamber, said plate having means thereon normally permitting feeding of a cap into one of said cap-receiving pockets but preventing movement of said cap out of said pocket, double seaming mechanism mounted in said chamber, and means for delivering can bodies and caps to said turret.

2,188,940
ELECTRON DISCHARGE DEVICE
Benjamin A. Diggory, Plainfield, N. J., and Gordon K. Teal, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1937, Serial No. 177,660
11 Claims. (Cl. 250—27.5)



1. The method of oxidizing an electrode structure to produce on said structure a uniform oxide layer of a thickness within predetermined limits, which comprises the steps of subjecting the electrode structure to moist ozone, and simultaneously heating the electrode structure to a temperature sufficient to prevent condensation of water vapor thereon.

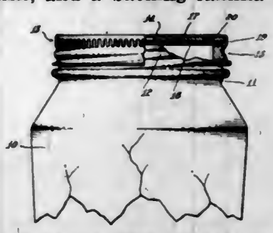
2,188,941
MULTIPLE SPINDLE BORING MECHANISM
James A. Eden, Springfield, Mass., assignor to Baush Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application March 23, 1938, Serial No. 197,543
3 Claims. (Cl. 77—4)



3. A multiple boring machine having a number of driving spindles and a corresponding number of driven tool bars, at least one of said tool bars being directly connected to said driving spindle, others of said tool bars being connected to their respective driving spindles through a coupling, each coupling having driven teeth, a driver having teeth engaging and driving those of said coupling when the cutting element of the respective tool bar is complementary in thrust to that of adjacent tool bars, said coupling being rotatable in advance of said driving teeth sufficiently to bring its cutter elements in phase with that of the directly coupled tool bar.

2,188,942
CONTAINER CLOSURE
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application January 25, 1938, Serial No. 186,783
7 Claims. (Cl. 215—40)

1. A container closure embodying therein a shell having a skirt adapted to be engaged with co-operating means about the neck of a container, a cushion disc within said shell, and a thin laminated inner seal disc of substantially the same diameter as said cushion disc within said shell but separable from said cushion disc comprising a lamina presented toward the neck of the container consisting of a highly condensed oil or grease repellent fibrous material having a high glossy finish, and a backing lamina of substan-



tially the same diameter as said other lamina bonded thereto composed of a sheet of non-absorbent, acid resisting, gas impervious material, whereby the escape of volatile constituents from the contents of the container is prevented, the inner seal disc may be cemented to the mouth of the container by an odorless adhesive, and contact of the contents of the container with the bonding medium between the lamina presented toward the contents of the container and the backing lamina is prevented.

2,188,943
LUBRICANT AND METHOD OF PRODUCING SAME
William L. Evers, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 28, 1935, Serial No. 56,451
11 Claims. (Cl. 87—9)

1. An extreme pressure lubricating composition consisting of a hydrocarbon lubricant and a small proportion of a triaryltrithiophosphite.

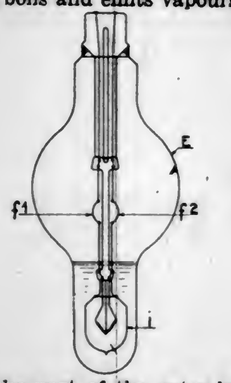
2,188,944
TABLETED POLYCHLOROPHENOL SALTS
Kent R. Fox, St. Louis, and Ira Hatfield, Webster Groves, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 9, 1937, Serial No. 168,202
6 Claims. (Cl. 23—245)

1. A formed compressed coherent mass consisting predominantly of sodium pentachlorophenate having a moisture content of from 3% to 20% and containing from 1% to 10% of sodium hydroxide, and being characterized by being readily and substantially completely soluble in water, said product being obtained by compression of the powdered salt, subsequent granulation of the compacted mass, and final molding thereof.

2,188,945
DOUBLE-WALLED ELECTRIC INCANDESCENT LAMP
Edouard Gomonet, Paris, France, assignor to Societe Anonyme pour les Applications de l'Electricité et des Gaz Rares, Etablissements Claude-Paz et Silva, Paris, France
Application January 14, 1939, Serial No. 250,902
In Switzerland January 28, 1938
6 Claims. (Cl. 176—16)

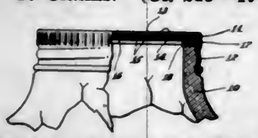
1. A double-walled electric incandescent lamp having a liquid which only partly fills the space between the two walls, the inner bulb being im-

mersed in the said liquid which during operation of the lamp, boils and emits vapours which con-



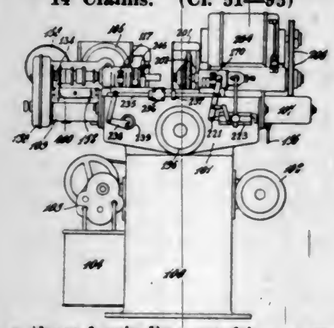
dense upon the part of the outer bulb which is above the level of the liquid.

2,188,946
CONTAINER CLOSURE
Jesse Gutmann, Babylon, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application June 22, 1938, Serial No. 215,165
10 Claims. (Cl. 215—40)



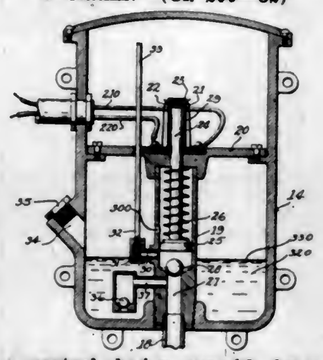
1. A container closure embodying therein an outer skirted shell adapted to be removably attached to the neck of a container, an inner seal disc within, but separable from, said shell, said inner seal disc comprising a disc of water resistant, transparent, flexible material, an annulus of absorbent material adjacent the edge of said disc and of a width substantially that of the thickness of the neck of the container, whereby said inner seal disc may be secured to the neck of a container by a substantially odorless adhesive which cannot act as a bonding medium between the material of said disc and the top of said container, and a continuous bonding stratum between said disc and said annulus.

2,188,947
GRINDING OR ABRADING MACHINE
Sidney Adolph Horstmann, Bath, England
Application July 9, 1938, Serial No. 218,285
In Great Britain July 10, 1937
14 Claims. (Cl. 51—95)



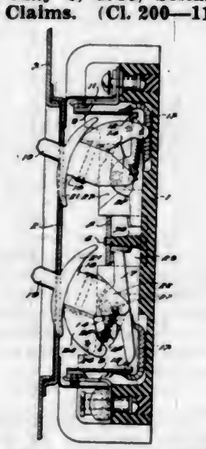
1. In a thread grinding machine, a work-head for supporting the work piece, a slide bar carrying said work-head, a liquid motor actuating said work-head, and hydraulic means acting upon said slide-bar to unilaterally bias the same, whereby back-lash is prevented.

2,188,948
SERVICE SIGNAL EQUIPMENT
Samuel A. Huebner, Forest Junction, Wis.
Application October 2, 1936, Serial No. 103,689
5 Claims. (Cl. 200—82)



1. In a control device operable by means of large or moderate surges of fluid, a receptacle to receive and temporarily hold the surge of fluid, a controlled device operable when the receptacle receives and holds the surge of fluid, a large port to relieve excess quantities of fluid from the receptacle, and a bleed valve for escapement of a predetermined basic quantity of fluid from the receptacle whereby a maximum and minimum predetermined duration of operation of the controlled device is established.

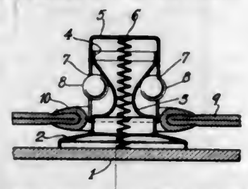
2,188,949
CIRCUIT BREAKER
John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 6, 1936, Serial No. 78,098
16 Claims. (Cl. 200—116)



3. In an automatic electric circuit breaker, a stationary contact, a switching member carrying a contact surface at one end cooperating with said stationary contact, current responsive latching means for the opposite end of said member, a link

pivotally mounted on a fixed part and having a pivotal connection with said member, a manual operator, and spring means interconnecting said operator and member, said member pivoting about its engagement with said link under the bias of said spring when released by said current responsive latching means.

2,188,950
SNAP FASTENER
Ernst Jordan, Hamburg, Germany
Application September 10, 1938, Serial No. 229,248
In Germany September 15, 1937
4 Claims. (Cl. 24—211)

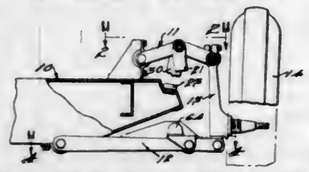


1. A snap fastener comprsing a stationary inner member, an outer member closely fitting over said inner member and being movable relative to said outer member, a resilient means disposed in between said members and tending to hold said members in a predetermined position with respect to one another, one of said members having an inclined portion, locking means disposed adjacent to said inclined portion and between said members and projecting from said outer member under the influence of said spring member and inclined portion.

2,188,951
INSECTICIDE
Armin Joseph Kraus, Jersey City, N. J., assignor to The Richards Chemical Works, Incorporated, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application February 8, 1939, Serial No. 255,234
7 Claims. (Cl. 167—30)

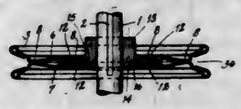
1. An insecticide and fungicide containing as its active ingredients the complex copper salts of sulphurized cresylic acids and naphthenic acids.

2,188,952
INDIVIDUAL SPRINGING
John W. Leighton, Port Huron, Mich.
Application January 14, 1938, Serial No. 184,961
4 Claims. (Cl. 267—20)



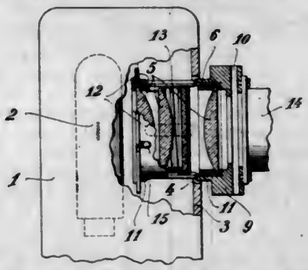
1. In combination, a motor vehicle frame, upper and lower arms projecting laterally from the frame and pivotally connected thereto for pivotal movement in a substantially vertical plane about an axis extending longitudinally of the frame and wheel mounting means between the outer ends of the arms, the pivotal connection between one of the arms and the frame comprising a tubular member on the frame, a shaft member on the arm and projecting into the tubular member in radially spaced relation thereto, a rubber sleeve between the tubular member and shaft member and bonded to both members, tubular means on the frame and receiving the tubular member and including a releasable section, and coacting ridges and grooves on the member and section normally holding the member against turning in the tubular means but allowing turning thereof when the section is released and also allowing application of the section to hold the member in its new position of adjustment, said rubber being normally under torsion when the frame is supported by the wheel and providing a spring between the frame and arm.

2,188,953
PULLEY ASSEMBLY
Orville Mitchell, Dallas, Tex.
Application May 1, 1939, Serial No. 271,022
11 Claims. (Cl. 74—230.8)



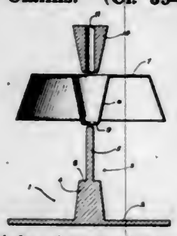
1. A pulley assembly comprising a pulley having a central opening circular on one side of the pulley and non-circular on the other, a bored hub having a circular portion extending into and projecting beyond said circular opening and a non-circular portion fitted in said non-circular opening, and means on the projecting circular portion for clamping the pulley against said non-circular portion.

2,188,954
PROJECTION APPARATUS
Hans Mulch, Wetzlar-Niedergirmes, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application October 27, 1937, Serial No. 171,183
In Germany December 4, 1936
3 Claims. (Cl. 88—24)



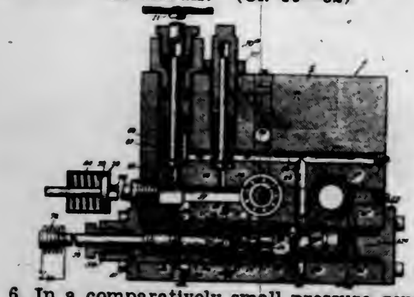
1. A projection apparatus of the character described comprising a housing, a lamp in said housing, a condenser lens unit, a mounting in which said unit is supported, means for securing the said mounting to the said housing with the greater portion of the mounting within the housing, a picture frame support, an objective secured to the front portion thereof, a tubular rear extension on said support enclosing and slidably and rotatably mounted upon said condenser lens unit mounting for rotatably positioning said picture frame support in one of two predetermined picture projecting positions ninety degrees apart, means for maintaining said support in either one of said projecting positions, the greater portion of the said mounting and tubular extension being contained within the housing to provide a compact small projection apparatus.

2,188,955
APPARATUS FOR COOLING BAKERY PRODUCTS
Jenny K. Nattson, Arlington, Mass.
Application June 15, 1936, Serial No. 85,257
3 Claims. (Cl. 65—15)



3. As an article of manufacture, a cake cooler comprising, in combination, a substantially vertical member mounted on a base, said vertical member having an enlarged portion adapted to receive and support an inverted cake pan of the type having a hollow frustated tapering center element and means cooperable with said vertical member and the inner portion of the center element to maintain the center element of the cake pan in a substantially vertical plane.

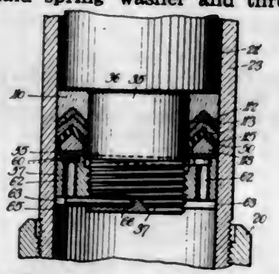
2,188,956
HYDRAULIC PRESS
Allan A. Norin and Albert M. Olson, Chicago, Ill.
Application October 10, 1935, Serial No. 44,386
10 Claims. (Cl. 60—52)



6. In a comparatively small pressure generating unit having a momentum controlled circulating fluid circuit, a piston valve slidable to close said circuit to enable said momentum to develop a predetermined fluid pressure, and to direct said pressure to a first work conduit arranged to control a work performing means, an auxiliary valve movable simultaneously with said piston valve to obstruct a second work conduit arranged to control a work performing means, means operable at said predetermined pressure in said first work conduit to move said piston valve to release the pressure therein and simultaneously direct the pressure to said second work conduit, and means operable at a predetermined pressure in said second work conduit to move said piston valve to release the pressure in said second work conduit and simultaneously move said auxiliary valve to permit free circulation of said fluid circuit.

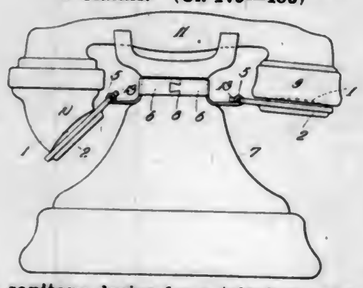
2,188,957
PACKING
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 11, 1936, Serial No. 68,244
1 Claim. (Cl. 309—23)

In a piston construction, a piston having a reduced threaded end, a packing spacer ring disposed over said reduced end and having a packing receiving surface, a packing spreader also disposed over said reduced end, packing means disposed between said spreader and ring, a spring washer seated against the spreader opposite said packing, and a clamping nut seated against said spring washer and threaded onto



said reduced piston end, the face of said nut contacting with said spring washer having a circumferential groove formed therein and a plurality of generally axially directed oil holes communicating with said groove and adapted to conduct liquid from in front of the piston into said circumferential groove and into contact with said spring washer.

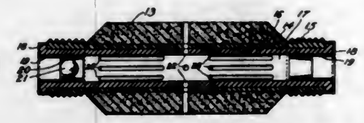
2,188,958
SANITARY HYGIENIC DEVICE FOR TELEPHONE INSTRUMENTS
Lawrence Frederick Richardson, Stanmore, and Vivian John Faulkner, Harrow, England
Application April 21, 1939, Serial No. 269,072
In Great Britain April 22, 1938
3 Claims. (Cl. 179—185)



1. A sanitary device for a telephone apparatus of the hand telephone type, comprising two absorbent pads, two identically shaped pad holders for said pads, and means for supporting said pad holders on the stand of a hand telephone at a distance from one another equal to that between the mouthpiece and the earpiece of the hand telephone and resiliently holding both said pads in a common horizontal plane substantially coinciding with the rim of the earpiece when the hand telephone is placed on its cradle, each of said pad holders being adapted to tilt downwardly about a horizontal axis and to yield to the mouthpiece of the hand telephone when the latter is placed on the cradle, whereby in either position of the hand telephone on the cradle the mouthpiece and the earpiece are closed by said pads.

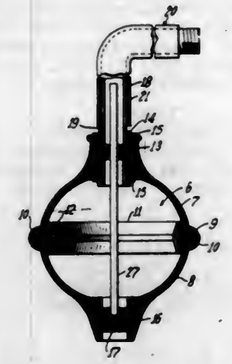
2,188,959
PIPE CLEANING ELEMENT
Eugene Schaer, Fort Frances, Ontario, Canada
Application June 18, 1937, Serial No. 148,928
4 Claims. (Cl. 15—104.06)

4. A hose or pipe cleaning element adapted to be propelled through a hose or pipe to be cleaned by a flow of liquid acting on either end thereof comprising a tubular flexible frame, a tubular swabbing member surrounding and carried by said frame, and valve means at both ends for



closing either end of said tubular frame responsive to flow of liquid from the other end to close same, said element having liquid outlet ports extending from within said tubular frame to the outer surface of the tubular swabbing member.

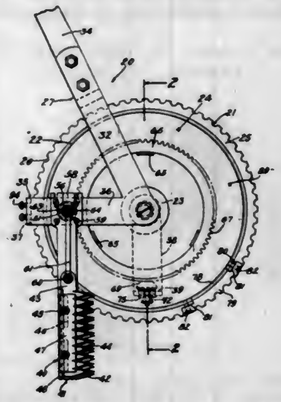
2,188,960
DRAIN CLEANER
Albert A. Schubring, Sunnyside, N. Y.
Application June 2, 1938, Serial No. 211,331
10 Claims. (Cl. 4—256)



1. A drain cleaner comprising in combination, a substantially spherical hollow body of resilient material, said body being provided with a hollow handle opening into said body and fitted for attachment to a source of running water, said body being adapted at a point opposite said handle for insertion into a drain pipe and provided with an aperture at said point; and reinforcing means within said body for preventing sidewise displacement of a portion thereof, said reinforcing means being adapted to telescope with said handle when said body is collapsed or pulsated.

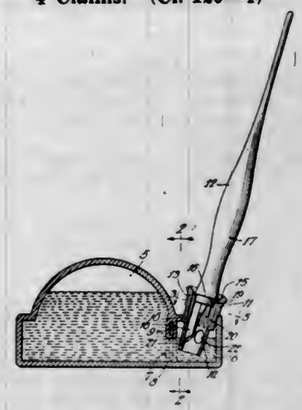
2,188,961
LAWN TRIMMING DEVICE
Lester W. Scofield, Pound Ridge, N. Y., assignor to Frank Cataldo, Trinity Pass, New Canaan, Conn.
Application August 20, 1937, Serial No. 160,023
11 Claims. (Cl. 56—264)

1. In a lawn trimmer the combination of a supporting frame; a ground wheel rotatably mounted on said frame; a gear on and rotatable with said ground wheel; a pinion meshing directly with said gear on the ground wheel; a reciprocating cutter unit supported by the frame and having at least one reciprocating member; and a single actuating member secured to and rotatable with said pinion, and connected directly to said cutter unit for reciprocating the



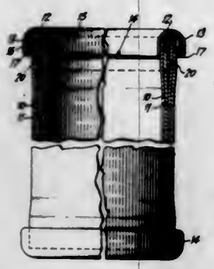
same and for supporting said reciprocating member.

2,188,962
INKSTAND
Gustav J. Sengbusch, Milwaukee, Wis.
Application July 8, 1938, Serial No. 218,083
4 Claims. (Cl. 120—4)



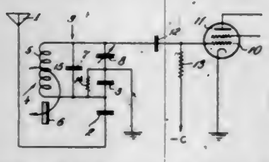
1. A pen set comprising a pen and a socket for supporting said pen in predetermined position, said pen comprising a holder and a pen point extending from the lower end of said holder, said holder having a lower end extension of reduced cross-section so as to provide a shoulder adjacent the lower end of the holder, said socket comprising a sleeve-like member into which the pen point and said lower end extension of the holder may be inserted, the upper portion of said socket being provided internally with a series of circumferentially spaced ribs having upper end portions adapted to engage said shoulder to limit insertion of said lower end extension into the socket and said ribbed portion of the socket serving to position the pen laterally relative to the axis of the socket but being adapted to freely receive said extension so as to facilitate insertion and removal of the pen, said spaced ribs serving to provide open passageways intermediate adjacent ribs to permit the passage of ink vapor therethrough, thereby to reduce the normal tendency of ink to accumulate on the inside wall of said socket and on the lower end of the holder.

2,188,963
CONTAINER
Hermann G. Seybold, New York, N. Y., assignor to Bandcan Corporation, a corporation of Delaware
Application October 19, 1938, Serial No. 235,721
7 Claims. (Cl. 229—5.7)



1. A paper container comprising a cylindrical cardboard wall, a metallic strip circumferentially imbedded within said container wall and having a portion thereof projecting beyond the end of said wall, said strip being flanged outwardly and an end cap having a central cylindrical shoulder fitting closely within said container wall and a flange portion extending over the flange portion of said strip and crimped downwardly over the said strip and inwardly against the cylindrical cardboard wall to hold said end portion in place.

2,188,964
IMAGE-FREQUENCY SUPPRESSION SYSTEM
Dwight V. Sinninger, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application January 19, 1939, Serial No. 251,681
8 Claims. (Cl. 250—20)



1. An image suppression system for a superheterodyne radio receiver having an antenna and a vacuum tube with a control electrode, including a first resonant circuit a portion of which is connected between said control electrode and ground, and a second resonant circuit in series between said antenna and said control electrode, said resonant circuits being tuned by inductance variation respectively to a signal frequency and to the corresponding image frequency.

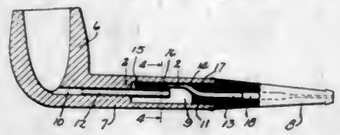
2,188,965
WEIGHING SCALE
Walter F. Stimpson and Modeste J. Lachance, Louisville, Ky.; said Lachance assignor to said Stimpson
Application March 6, 1937, Serial No. 129,366
6 Claims. (Cl. 265—69)

1. In a weighing scale, load receiving means, load counterbalancing spring means, weight indicating means, and means connecting the load receiving means to the counterbalancing spring means and to the weight indicating means, comprising a lever and an actuating rod means articulating the spring means at one end to the lever upon an axis fixed against movement longitudinally of the lever, said rod and spring means extending substantially parallel to each other and perpendicular to the lever, thermostatic means supporting the other end of the spring means and adapted to bodily move the same in response



to temperature variations, and thereby also to shift the position of the lever and spring means, means bodily movable longitudinally of the lever and articulating said actuating rod thereto, and additional thermostatic means for shifting said last mentioned means without affecting the spring means.

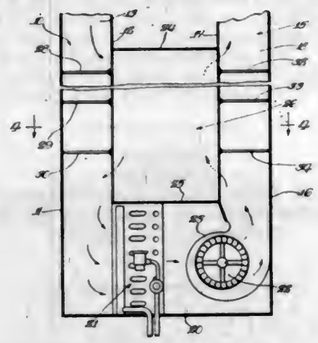
2,188,966
SMOKING PIPE
Gustav E. Strandt, Milwaukee, Wis.
Application November 7, 1938, Serial No. 239,266
3 Claims. (Cl. 131—212)



1. In a pipe, the combination with a bowl, a stem provided with a duct communicating with the bowl, and a rotatably mounted bit provided with a longitudinal duct in separable connection with said stem, said stem being provided with a central chamber, of a tube centrally projecting from said stem duct into said chamber, and a second tube projecting from the duct in said bit into said chamber in radially spaced and longitudinally overlapping relation to said first mentioned tube and having a portion contiguous to the wall of said chamber, whereby when the bit is rotated said second tube may serve as a scraper to clean the walls of said chamber preparatory to a separation of the bit and the stem.

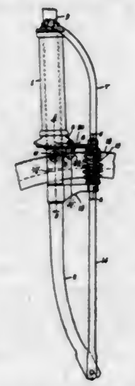
2,188,967
APPARATUS FOR CONDITIONING AIR
Richard H. Swart, Beloit, Wis., assignor to General Refrigeration Corporation, Beloit, Wis., a corporation of Delaware
Application March 28, 1938, Serial No. 198,434
4 Claims. (Cl. 62—129)

1. An apparatus for conditioning air withdrawn from an enclosed space, comprising a warm air duct for withdrawing air from said space, a conditioned air duct for returning the conditioned air to said space, cooling means for said warm air located between said ducts, and a heat exchanger located between said ducts in advance of said cooling means, said heat exchanger comprising corrugations extending the width be-



tween said ducts and forming passages for the warm and conditioned air respectively.

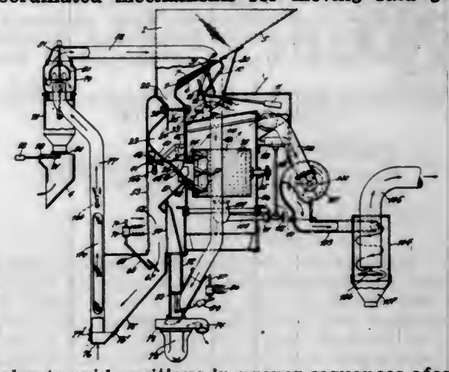
2,188,968
CUSHIONING DEVICE FOR BICYCLE FORKS AND THE LIKE
Harold R. Uber, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application April 27, 1938, Serial No. 204,693
2 Claims. (Cl. 280—276)



1. A truss construction for forks for bicycles and the like comprising an upper truss rod, a lower truss rod and a spring, the lower end of said upper truss rod being spaced from the upper end of said lower truss rod and said spring being attached to said ends whereby it may act in compression or tension in accordance with the movement of the lower end of said lower truss rod with respect to the upper end of said upper truss rod.

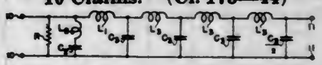
2,188,969
COFFEE ROASTING APPARATUS
Albert C. Waldvogel, Richmond Heights, Mo.
Application March 31, 1937, Serial No. 133,942
18 Claims. (Cl. 34—5)

7. In a coffee roasting apparatus, a hopper, a rotary roaster having an inlet opening for the passage of coffee into said roaster, a gate valve at said opening movable to positions to conduct coffee into said roaster through said opening and to close substantially the opening during the roasting of the coffee in said roaster and to conduct the roasted coffee from said roaster, and coordinated mechanisms for moving said gate



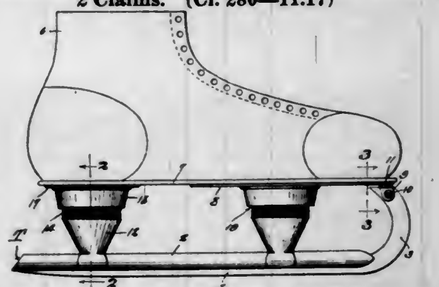
valve to said positions in proper sequences aforesaid.

2,188,970
ELECTRIC TIMING SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application August 26, 1938, Serial No. 226,875
10 Claims. (Cl. 178—44)



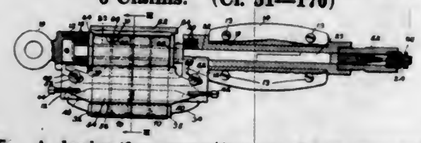
1. An electrical timing system for deriving from a given timing pulse a second timing pulse having a predetermined time delay with respect to said first pulse comprising, a wave filter having input terminals and having a pass band including the principal frequencies of said first pulse, said filter having a mismatched termination remote from said terminals and having an approximately uniform time delay between said terminals and said termination over said pass band equal to a predetermined fraction of said predetermined time delay, an output circuit coupled to said filter for deriving said second pulse, and an impedance-matching filter section terminating said filter at the end opposite said mismatched termination and approximately matching the image impedance of said filter with said output circuit over said pass band.

2,188,971
REMOVABLE SKATE AND BLADE
Patrick Adonizio, Pittston, Pa.
Application July 18, 1939, Serial No. 285,203
2 Claims. (Cl. 280—11.17)



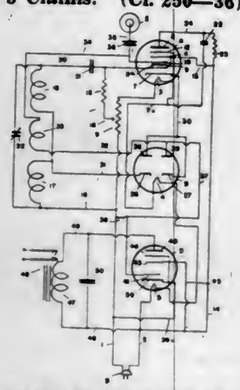
1. A skate including a base plate having collars, a tread having posts provided with smooth upper ends received in the collars, and coupling rings threaded on the posts and on the collars.

2,188,972
DEVICE FOR OPERATING ON SHOES
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 7, 1938, Serial No. 194,313
6 Claims. (Cl. 51—170)



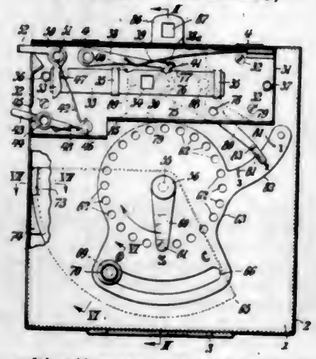
5. A device for operating on shoes comprising a yoke, a pulley journaled in said yoke, an abrading belt driven by said pulley, a form block for supporting said abrading belt against the pressure of the work, said form block having a tongue and said yoke having a slot into which said tongue extends to hold the form block against movement about the axis of said pulley, means for holding said form block against endwise movement with respect to said pulley, said tongue having a pair of surfaces inclined relatively to the axis of said pulley, and a pair of screws threaded in said yoke and engaging said inclined surfaces respectively to urge said form block outwardly of said slot and away from said pulley to tension the abrading belt and to enable the tension at the opposite sides of the abrading belt to be equalized.

2,188,973
AUTOMATIC ELECTRICAL CONTROL DEVICE
Raymond W. Bonner and Phil D. Hall, Detroit, Mich., assignors, by direct and mesne assignments, of one-half to Raymond W. Bonner and one-half to Harry M. Kirschbaum, Detroit, Mich.
Application March 15, 1937, Serial No. 131,086
3 Claims. (Cl. 250—36)



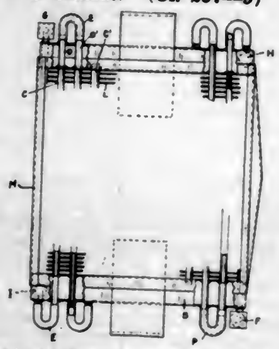
1. An electrical discharge control device comprising a valve tube, a gridless second tube having pairs of cathodes and plates in opposed relation, a service connection to the plate of said first tube having a loading resistor therein, a connection between the cathode of said first tube and one of the plates and one of the cathodes of said gridless tube, an oscillation circuit between the other of said cathodes and one of the grids of said first tube, said circuit including a pair of inductances and a capacitance normally tuned to a frequency within the audio range, a second oscillation circuit connected to the other plate of said gridless tube and extending to another grid of said first tube, said second circuit including an inductance in inductive relation to the aforesaid inductances, a potentiometer connected to the grid of said first circuit for placing a variable voltage thereon, a blocking condenser between said potentiometer connection and said first circuit, and a trip member connected to said second circuit responsive to a capacitance when moved within a predetermined field area thereof.

2,188,974
CAMERA
James J. Dilks, Jr., Haddon Heights, N. J.
Application March 20, 1939, Serial No. 262,803
19 Claims. (Cl. 95—38)



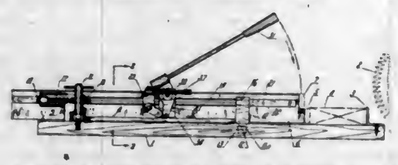
1. In combination, a magazine enclosing a sensitized film disk, said magazine having an exposure opening in its front wall radially disposed to correspond with a circumferential surface zone of the film on which the pictures are to be successively taken; and a camera with a casing for receiving the magazine, a lens in line with the exposure opening in the magazine, a lens shutter, and means operable from the exterior of the casing whereby the film disk may be rotatively shifted in the magazine for presentation for different portions of its circumferential zone at the exposure aperture.

2,188,975
MULTIPLE HEAT EXCHANGE UNIT
Ferdinand B. Herz, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 27, 1938, Serial No. 204,665
3 Claims. (Cl. 257—9)



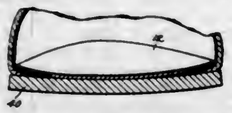
1. A heat exchange unit comprising spaced headers, a plurality of parallelly arranged conduits extending between said headers and in communication therewith for the passage of fluid therethrough, a plurality of additional conduits interspersed with said first mentioned conduits and extending completely through said headers, return-bend connections between said additional conduits for passing a distinct fluid in series therethrough, and means for directing a third fluid transversely between and in contact with all of said conduits.

2,188,976
SAW TRIMMER VISE
William Hertler, Pittsburgh, Pa.
Application March 14, 1938, Serial No. 195,809
2 Claims. (Cl. 29—69)



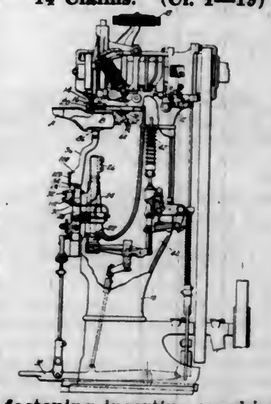
1. A vise comprising a base, a stationary abutment in spaced relation to said base, a clamping bar slidably mounted on said base in alignment with said stationary abutment, means for extending said bar and for locking it comprising a guide rod on said base, a clamping block slidably mounted on said rod, a gib in said block adapted to engage the rod, an eccentric for actuating said gib to engage and disengage the guide rod, a lever for actuating said eccentric, a lever carried by the clamping bar for actuating said first named lever, said levers being connected by a link, spring means biasing said clamping bar against the clamping block, and spring means biasing the guide rod against the base whereby, upon downward movement of the clamping bar lever, the piece to be acted upon is yieldingly engaged between the clamping bar and the stationary abutment.

2,188,977
MANUFACTURE OF SHOES
Raymond E. Hopkins, Weymouth, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 19, 1937, Serial No. 169,814
4 Claims. (Cl. 12—142)



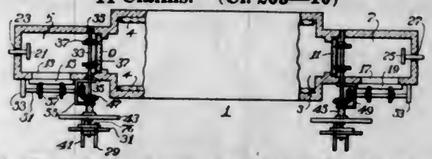
1. In a shoe having no insole in its forepart, a tread sole, an upper having an inturned margin secured to said tread sole in the forepart of the shoe, a sock lining of leather having a finished grain surface at its upper side and an unfinished flesh surface at its lower side, said lining having the marginal portion only of its forepart impregnated from its lower side nearly but not quite to its upper side with a stiffening substance and thereby stiffened to an extent sufficient to provide internal lateral support for the portion of the upper immediately adjacent to said inturned margin without changing the character of the marginal portion of its grain surface, the unstiffened portion of said sock lining being soft and limp so as to have no stiffening effect upon the shoe bottom, and said unstiffened portion only of the lower surface of said sock lining being secured to the shoe.

2,188,978
FASTENING INSERTING MACHINE
Fred N. La Chapelle, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 10, 1938, Serial No. 229,233
14 Claims. (Cl. 1—19)



1. In a fastening inserting machine, the combination with fastening inserting instrumentalities and means for operating the same, of a work support arranged normally to swing relatively to said instrumentalities, means removably secured to the upper end of said work support for supporting a shoe while a plurality of fastenings are inserted successively across a heel on the shoe adjacent to the breast of the heel, and means for preventing swinging movement of the work support throughout the period during which said fastenings are being inserted.

2,188,979
FURNACE
Paul C. Lottes, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1938, Serial No. 214,031
11 Claims. (Cl. 263—10)

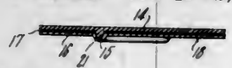


1. In a device having a pair of doors and operating means therefor comprising a pair of substantially parallel discs, one for each door, means for independently rotating each disc through less than 360° to open and close said doors, and an interlock permitting operation of either one of said doors only while the other is in a predetermined position.

2,188,980
RUBBER ACCELERATOR COMPOSITIONS
Ludwig Meuser, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 20, 1936, Serial No. 69,977
12 Claims. (Cl. 260—793)
1. A process which comprises heating a sub-

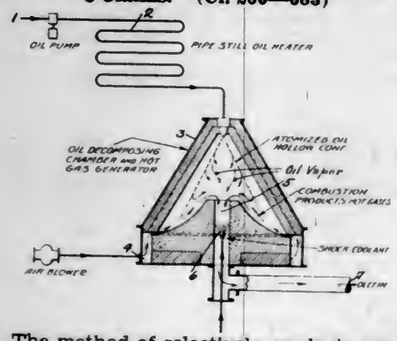
stantially water-insoluble thiuram sulphide vulcanization accelerator with an aqueous solution of an alkali-metal salt of an acid of the type H_2XO_3 where X is a non-oxygen member of the oxygen family of the periodic table, until the sulphide substantially completely dissolves in said solution, and recovering the water soluble product of reaction.

2,188,981
LABEL
Charles J. Moskowitz, Wallington, and Roy Emptage, Palisades Park, N. J., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 3, 1937, Serial No. 134,804
3 Claims. (Cl. 40—2)



1. A new article of manufacture comprising the combination of a protective molding and printing plate and an imprinted multi-colored label removably adhered thereto, said plate having a molding face provided with depressed portions for forming raised portions on the face of said label and elevated portions for molding and printing depressed portions on the face of said label, said label having a depressed surface composed of material applied only to said elevated surface of said plate, said label having a backing-up layer of material filling said depressions in the face of said plate and united to and contrasting in color with said material deposited on said elevated surface of said plate.

2,188,982
METHOD OF DECOMPOSING OIL TO OLEFINS
Theodore Nagel, Brooklyn, N. Y.
Application March 9, 1938, Serial No. 194,861
3 Claims. (Cl. 260—683)

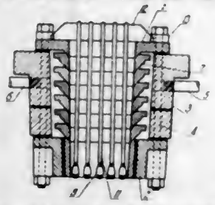


1. The method of selectively producing specific olefins of the aliphatic hydrocarbon series C_nH_{2n} as the major hydrocarbon yield resulting from decomposing oil, which method comprises continuously atomizing oil in a zone while introducing air into the zone peripherally thereof and adjacent the base of the zone, continuously generating a hot gas in the zone by partial oxidation of the higher boiling end portion and free carbon of the charging stock with said air, the atomized oil being dispersed into said hot gas, and generation of said hot gas being so controlled that the oil is flash decomposed within the temperature range from 1000° F. to 1600° F. to decomposition hydrocarbons, the major hydrocarbon of which is a desired specific olefin and continuously shock-cooling the flowing decomposition products to below 900° F. to prevent the said specific olefin from reacting to polymer products.

2,188,983
HARD METAL ALLOYS AND PROCESS OF MAKING THE SAME
Henry N. Padowicz, Bloomfield, N. J., assignor to Sirian Wire and Contact Company, Newark, N. J., a corporation of Delaware
No Drawing. Application May 5, 1938, Serial No. 206,171
18 Claims. (Cl. 75—136)

1. A process of preparing hard metal alloys which comprises combining a finely divided mixture of at least three refractory metal carbides and then combining this mixture with a water solution of an organic salt of an additional metal selected from the group consisting of iron, nickel and cobalt, said water solution being concentrated and being evaporated down to dryness while continually stirring, the dry material being pulverized and sifted and then reduced in a reducing atmosphere, at least two of said refractory metal carbides consisting of tungsten carbide and tantalum carbide and the other refractory metal carbide being selected from the group consisting of vanadium carbide, thorium carbide, molybdenum carbide, uranium carbide, columbium carbide, and chromium carbide.

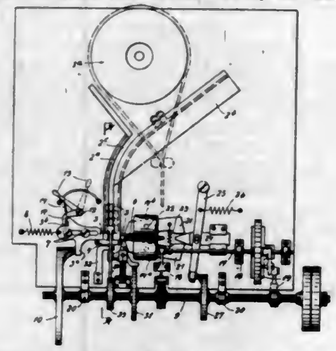
2,188,984
CORE STRUCTURE FOR CLAY EXTRUDING DIES
Eugene H. Pettier, Beaver, Pa.
Application December 2, 1938, Serial No. 243,553
3 Claims. (Cl. 25—17)



1. A core structure for extruding dies for plastic materials comprising a barrel having a back plate and mouthpiece, a core bridge extending across the back plate, one or more core rods looped over the leading edge of the core bridge and extending into the flow passage of the extruding device, said core rods loosely abutting the leading edge of the core bridge and being adapted for self-alignment with the flow stream of the material passing therearound and cores mounted on the free ends of said core rods.

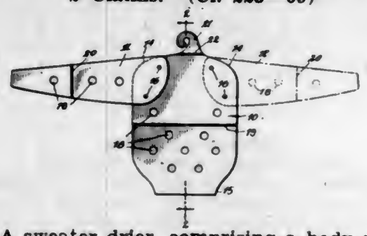
2,188,985
DEVICE FOR PRODUCING SEPARABLE FASTENERS
Julius Püschner and Josef Püschner, near Bodenbach, Czechoslovakia, assignors, by mesne assignments, of one-half to Leo Bauer and one-half to Florence Dupont-Munter, both of New York, N. Y.
Application July 22, 1936, Serial No. 91,808
In Czechoslovakia November 22, 1935
10 Claims. (Cl. 153—1)

4. In a device of the character described having a stock container for delivering fastening elements into a chute, the combination of a chute for receiving said fastening elements from said container, said chute being so constructed and of such width for permitting said fastening elements to drop down therein in transverse position, a bar disposed adjacent the outlet of said chute at a distance corresponding to the maximum width of one of said fastening elements and extending transversely of said chute, a reciprocable slide arranged on one side of said chute and movable on said bar transversely of the axis of



said chute, a pair of pressure jaws positioned on the other side of said chute, a pair of rolls adjacent said jaws for intermittently moving a band in a horizontal plane transversely of said chute, said slide being arranged for forwardly moving the lowermost of said fastening elements located on said bar toward said band upon which the said lowermost fastening element is to be fixed, and means for intermittently actuating said slide, said jaws and said rolls.
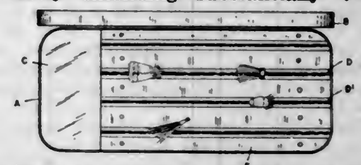
2,188,986
SWEATER DRIER AND STRETCHER
Isidore Schwartz, New York, N. Y.
Application July 22, 1938, Serial No. 220,642
2 Claims. (Cl. 223—69)



1. A sweater drier, comprising a body portion having a hook-shaped hanger projecting from the top thereof and sleeve supports detachably secured to the body portion by means of snap fasteners, said body portion and sleeve supports each being formed of a relatively flat sheet of light, strong, water-repellent material and having perforations formed therein so as to provide for air circulation, and the body portion and sleeve supports being provided with transverse fold lines, and the hanger being foldable against the body portion whereby the drier may be collapsed into a relatively small parcel.

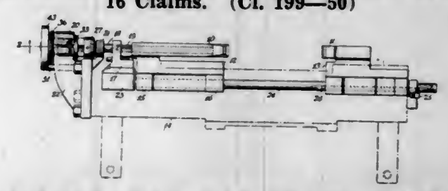
2,188,987
ARTIFICIAL FLY HOLDER FOR A FISHERMAN'S KIT
Walter Henry Strom, Detroit, Mich.
Application May 23, 1938, Serial No. 209,590
2 Claims. (Cl. 43—32)

1. An artificial fly holder for a fisherman's kit comprising a pair of extended continuous thin flexible and resilient metallic strips provided with transversely extending substantially V-shaped



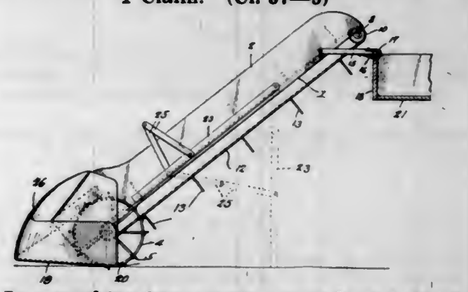
return-bent portions abutting against each other, said strips being locally separable for the insertion of a hook therebetween without displacement of the other portions of the strips.

2,188,988
SLUG CASTING MACHINE
Herman T. Sundstrom and Clarence A. Stopple, Houston, Tex., assignors to Mergenthaler Linotype Company, a corporation of New York
Application February 4, 1939, Serial No. 254,585
16 Claims. (Cl. 199—50)



1. In a slug casting machine, the combination of an adjustable jaw, a relatively fixed jaw, a toothed rod to which said adjustable jaw may be locked in different positions with respect to said fixed jaw for slug measures of ems and half-ems, means for locating said rod in one position when it is desired to cast slugs of such coarser measures, and auxiliary means for locating said rod in other positions when it is desired to cast slugs of finer measures.

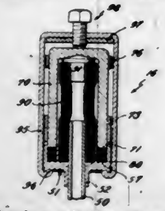
2,188,989
SNOW REMOVER
August F. Werner, Alpena, Mich.
Application December 27, 1938, Serial No. 247,903
1 Claim. (Cl. 37—5)



In a machine for removing snow from a street, a strip at a time, a frame, ground-wheels mounted to turn on the rear portion of the frame, means for connecting the forward portion of the frame detachably to the rear end of a towing and snow-receiving vehicle, in an upwardly-inclined position directly in the wake of the vehicle, a vehicle-loading conveyor carried by the frame and discharging at the vehicle-connected end thereof, means for operating the conveyor from the ground-wheels, a scoop attached to the rear end of the frame, one side of the scoop terminat-

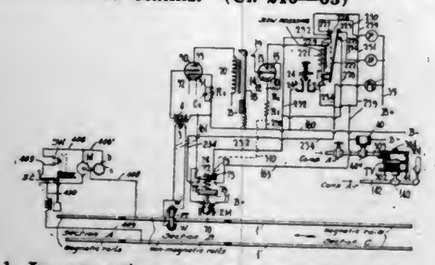
ing inwardly of one ground-wheel, the opposite side of the scoop extending forwardly, outwardly of the other ground-wheel, the scoop including a bottom which has a backward and upward longitudinal slant outwardly of said other ground-wheel, and an upward transverse slant to the lower, rear end of the conveyor, the bottom of the scoop including an arched portion extended over said other ground-wheel, and an upstanding guide flange attached to the bottom and extending from one side of the scoop to the other, the flange being backwardly-concaved to permit snow to pass readily to the rear of the arched portion, and to direct the snow, by an easily travelled, curved path, to the lower, rear end of the conveyor.

2,188,990
SEALING DEVICE
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application April 13, 1937, Serial No. 136,612
10 Claims. (Cl. 138—89)



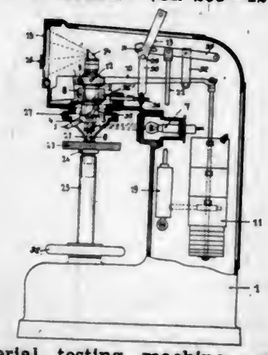
1. A sealing device of the class described comprising a connecting tube, a socket member secured concentrically to the tube, with the end of the tube extending through the socket member, an annular sealing ring of yieldable material disposed within the socket member, a cap having an edge engaging the sealing ring, and clamping means to press the cap against the sealing ring, said socket member and cap being provided with interfitting portions to prevent the rotation of the cap when the clamping means are employed to press the cap against the sealing ring, said socket member and cap each having annular ribs engaging and biting into the yieldable material of the sealing ring.

2,188,991
AUTOMATIC RAILWAY SIGNALING SYSTEM
Max Theodore Wintsch, Lancaster, Pa., assignor of one-half to Newton M. Weaver, Lancaster, Pa.
Application September 8, 1937, Serial No. 162,940
20 Claims. (Cl. 246—63)



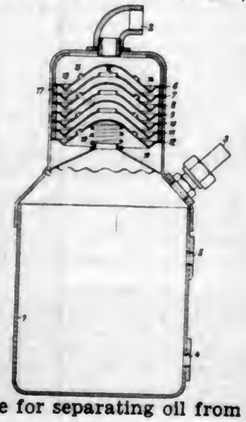
1. In an automatic train control system, a trackway circuit for conducting electric currents, a receiver for said currents carried by a vehicle traveling over said trackway comprising a transformer inductively coupled with the trackway, control means on said vehicle for controlling the operation thereof, a luminous device energized by the currents induced in said receiver, a cold element grid-glow device governing the operation of said control means, and a light-sensitive cell in the field of operation of said luminous device and controlled thereby for affecting said grid-glow device to operate said control means.

2,188,992
HARDNESS TESTER
Otto Wolpert, Mannheim, Germany, and Robert Ludwig, Kladno, Czechoslovakia, assignors to Hessenmuller & Wolpert, Ludwigshafen-on-the-Rhine, Germany, a firm of Germany
Application February 1, 1937, Serial No. 123,516
In Germany February 5, 1936
7 Claims. (Cl. 265—12)



1. Material testing machine, comprising a stand, a table for the specimen to be tested, a hollow tubular thrust bolt, a movable penetrator at the end of said bolt, a microscope disposed at the said end of the bolt and adapted to serve for observing the indentation in the specimen, means for loading said thrust bolt, and means for movably supporting the penetrator and microscope as a unit, said means permitting either the penetrator or microscope to be disposed in line with the hollow bolt.

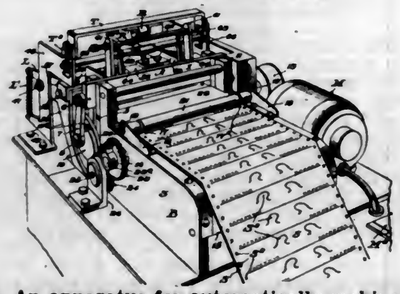
2,188,993
OIL SEPARATOR
Serge Ziegler, Berlin, Germany
Application March 27, 1939, Serial No. 264,416
In Germany July 14, 1934
11 Claims. (Cl. 183—105)



1. A device for separating oil from gases com-

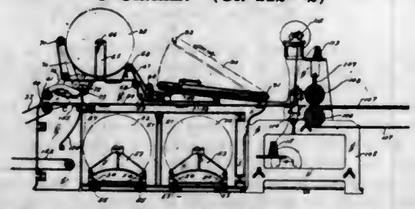
prising a casing provided with an inlet for the gases to be cleaned and an outlet for the cleaned gases, and a plurality of cone-shaped baffle plates arranged one above the other with the apex of each baffle plate pointing against the flow of gas, each alternate plate being formed with a central aperture bounded by a flange extending in the direction opposite to the direction of flow of the gases while each remaining alternate plate is formed with a plurality of apertures otherwise than centrally, said apertures also being bounded by flanges extending in the direction opposite to the direction of flow of the gas, said plates being adapted to convey the particles of oil deposited thereon away from the gas current.

2,188,994
APPARATUS FOR AUTOMATICALLY MAKING AND ASSEMBLING FILING CARDS
Alfred H. Anderson, Jason A. Fitch, and Clarence W. Straubel, Youngstown, Ohio, assignors, by mesne assignments, to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application November 18, 1938, Serial No. 241,292
16 Claims. (Cl. 164—49)



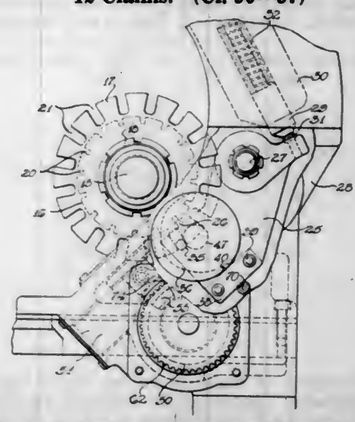
1. An apparatus for automatically making and assembling individual filing cards from a continuous strip, comprising, a cutter for severing individual cards from the strip, intermittently operating feeding means for advancing the strip by successive strokes to the cutter, means for varying the stroke of the feeding means to vary the length of the cards, a card collector at the fall side of the cutter, and means synchronized with the cutter for advancing the several cards along the collector.

2,188,995
UPHOLSTERY FORMING APPARATUS
Clarence W. Avery and Alfred H. Haberstump, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application March 9, 1936, Serial No. 67,862
3 Claims. (Cl. 112—2)



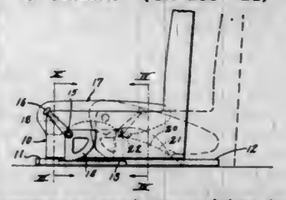
1. In an upholstery forming machine, means for generating a substantially continuous web of padding material, means for feeding said padding material into an upholstery forming unit, cut-off mechanism in said upholstery forming unit for shearing off said strip of padding material when operation of said upholstery forming unit is interrupted, and means for detouring said web of padding material during the time said upholstery forming unit is not operating.

2,188,996
INDEXING MECHANISM
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application August 23, 1938, Serial No. 226,320
12 Claims. (Cl. 90—57)



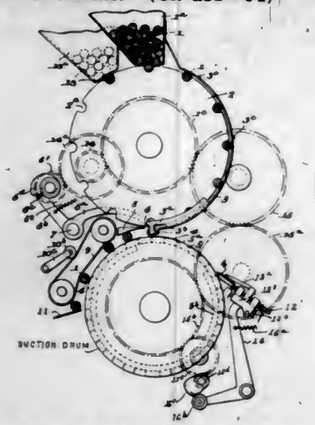
1. In an indexing mechanism, a notched plate, a locking dog adapted to engage the plate to hold the plate against rotation, a Geneva wheel operatively connected to the plate, a rotatable cam for periodically disengaging the locking dog from the plate, a pin operatively connected to the cam to rotate therewith and adapted to engage the Geneva wheel to rotate said wheel, and means for rotating the cam.

2,188,997
SEAT
Charles Lester Davis, Santa Barbara, Calif.
Application January 2, 1937, Serial No. 118,708
5 Claims. (Cl. 155—14)



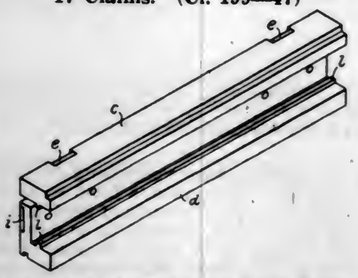
1. A conveyance seat comprising in combination with a floor, slide means fixed to said floor, end members at opposite ends of said seat carrying guide means, and adapted to be moved along said slide means in a front to rear direction, means carried by said end members and cooperating with said slide means to adjustably position said seat forwardly or rearwardly and impart front to rear movement thereto, a seat portion, means pivotally connecting the front of said seat portion with said end members, an incline means carried by the floor, and means on the rear of said seat portion riding upon said incline means whereby front to rear movement of said seat portion is converted into proportional vertical movement of the rear of said seat, whereby the thighs of both tall and short persons can be suitably supported by said seat and the eye level of said persons placed at virtually the same height.

2,188,998
MANUFACTURE OF CIGARETTES
William Frederick Maitland Edwards, London, England, assignor to Filter Tips Limited, London, England, a British company
Application February 13, 1936, Serial No. 63,803
In Great Britain February 19, 1935
9 Claims. (Cl. 131—94)



1. A method of manufacturing filter tip and like composite cigarettes by uniting lengths of cigarette rod and mouthpiece portions by bands of material, comprising assembling the lengths to be united in alignment, bringing uniting bands into contact therewith, and wrapping said bands around the assemblages by rolling the latter between relatively movable surfaces and in rolling contact with each of said surfaces whereby the wrapping operation is effected during lateral movement of the assemblages.

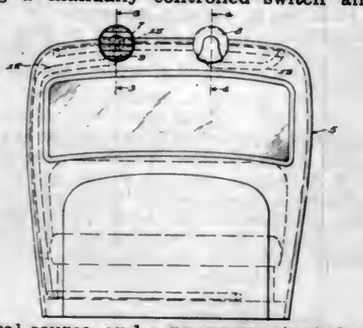
2,188,999
TYPOGRAPHICAL SLUG CASTING MACHINE AND MATRIX THEREFOR
Herbert Ellis, Shanghai, China, assignor to Linotype and Machinery Limited, London, England
Application August 18, 1938, Serial No. 225,526
In Great Britain April 21, 1938
17 Claims. (Cl. 199—47)



1. In or for a typographical slug casting machine a matrix in the form of an element having a plane face and a character indentation on said plane face, in combination with a holder therefor having a casting face set forward with reference to said plane character-bearing face.

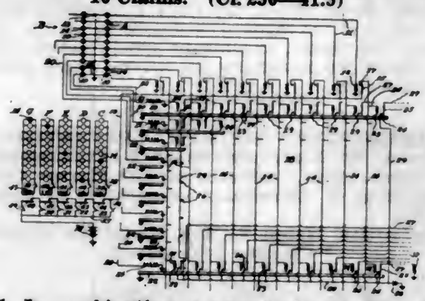
2,189,000
VENTILATING DEVICE FOR AUTOMOBILE BODIES
John Esposito, New York, N. Y.
Application October 3, 1938, Serial No. 233,081
1 Claim. (Cl. 98—2)

In combination with an automobile including an engine and a body, casings mounted on the exterior of the body and each having an open side and said casings having the open sides thereof reversely arranged to each other, an air inlet pipe connected to one of said casings and extending into the body, an air outlet pipe connected to the other casing and arranged on the interior of the body, electric motors mounted in said casings, fans operated by said motors, an electric circuit connected to said motors and including a manually controlled switch and an



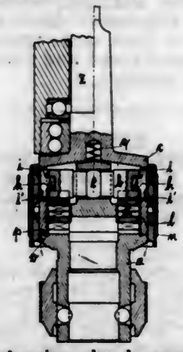
electrical source, and a governor actuated switch of the resistant type for operating the fans at variable speeds and for stopping said fans, a governor whereby said governor in combination with said governor actuated switch will increase and decrease the speeds of the fans in accordance with the decreased and increased speeds of the engine and to stop said fans when said engine is operating faster than a predetermined speed operating the governor type switch, and a drive means between the engine and the governor.

2,189,001
LIGHT-RESPONSIVE COMMUTATOR OR SWITCHBOARD
Merle E. Gould, White Plains, N. Y., assignor to Photoelectric Business Machines, Inc., Washington, D. C., a corporation of Delaware
Application November 9, 1937, Serial No. 173,726
10 Claims. (Cl. 250—41.5)



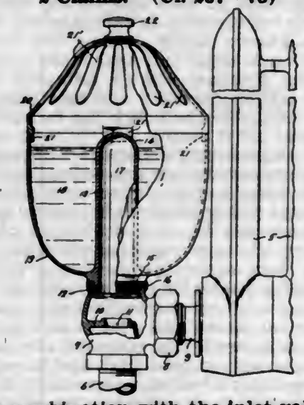
1. In combination, a source of current, a plurality of bus bars, a plurality of signalling lines each provided with a line switch actuable by current in a bus bar, a light-responsive unit connected to each of said bus bars, and forming a first group of units disposed in coded position, means to selectively illuminate a unit of said group to effect connection of a bus bar individual to said unit to said source of current, a second group of light-responsive units disposed in coded position, each of said second units having a gang switch connected thereto and individual thereto, means to selectively illuminate a unit of said second group to effect movement of a gang switch individual to said unit and thereby effect movement of but one line switch by a bus bar energized because of the illuminating of a unit in said first group, a third group of light-responsive units interposed between said source of energy and said bus bars, and means to selectively illuminate the units of said third group to effect control of current flow from said source to said bus bars.

2,189,002
QUICK RELEASING CHUCK
Wilhelm Hammer, Augsburg, Germany
Application July 27, 1937, Serial No. 155,990
In Germany August 4, 1936
4 Claims. (Cl. 279—16)



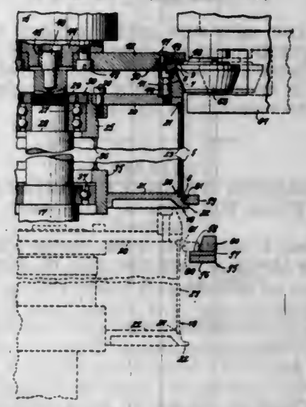
1. A quick releasing chuck especially for boring tools, comprising in combination a chuck shaft, a housing formed on the end of said shaft, a tool holder oscillatable and whose axis is shiftable in said housing, means in said housing for positively transmitting rotation from said shaft to said holder, means shiftable axially relatively to said housing for centering said tool holder, said centering means comprising an arcuate portion and a plane face on the tool holder on the one hand and a cylindrical sleeve and the outer end face of the housing on the other hand, and means for locking said holder while the shaft is rotating.

2,189,003
HUMIDIFIER
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application April 7, 1938, Serial No. 200,742
2 Claims. (Cl. 237—78)



1. The combination with the inlet valve casing of a radiator, said casing having an inlet and an outlet opening, of a hollow dome having a single opening, and so connected to said casing that the opening of the dome lies opposite and in line with the inlet opening of said casing, and a wall encompassing said dome and forming with the latter a water-receiving chamber.

2,189,004
APPARATUS FOR NECKING IN THE ENDS OF CONTAINERS
Reymour E. Harwood, Kenmore, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y., a corporation of New York
Application May 19, 1938, Serial No. 208,809
2 Claims. (Cl. 153—28)

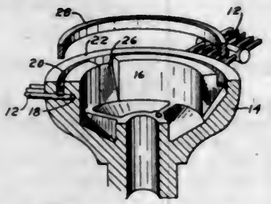


1. A mechanism for necking in the ends of cylindrical sheet metal containers, comprising a standard, a vertical post mounted on said standard, means for moving said post vertically, a cylindrical forming die rotatably mounted on said post and moved vertically therewith, said cylindrical forming die being of substantially the same diameter as the internal diameter of said container and the upper end thereof being provided with a neck of reduced diameter, a bracket ring secured to said standard and through which said die is moved, a movable ring provided with a groove adapted to receive the lower rim of said container and loosely mounted on said bracket ring, said forming die being provided with an extension adapted to engage and pick up said grooved ring when said forming die is elevated to its extreme upward position, means for rotating said die, a forming roll arranged to engage the exterior of said container adjacent said neck and to displace the material of said container inwardly against said neck and means for moving said roll toward and from said die.

2,189,005
MEANS FOR ANCHORING SPOKES TO STEERING WHEEL HUBS
Harry A. Husted, St. Clair, Mich., assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application August 20, 1936, Serial No. 97,037
6 Claims. (Cl. 74—552)

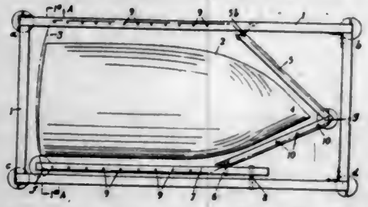
1. In a steering wheel comprising a plurality of angularly spaced groups of wire spoke members and a unitary hub, said hub having a plurality of substantially radially directed spoke receiving passages, spokes received in the passages, and means for connecting the spoke members to the hub in said passages, comprising mutually flush surfaces formed in the hub and in each of

the wire spoke members, said surfaces of the hub continuing from one group of spokes to another group, said surfaces being at an angle to the longitudinal direction of each wire spoke member, and a rigid spoke retaining means abutting both



the hub and each wire spoke member of a plurality of groups of spoke members at the mutually flush surfaces and bridging from one wire spoke member to another whereby to securely anchor each spoke member to the hub.

2,189,006
MOLDING OF SHEET MATERIAL
William Victor Hutchinson, Kingsbury, London, England
Application October 14, 1936, Serial No. 105,522
In Great Britain October 18, 1935
5 Claims. (Cl. 18—19)



4. Means for supporting cellulose acetate or other thermo-plastic material in sheet form during treatment in which the material is softened by heat and shaped over a mold, comprising an open frame having means thereon to secure thereto part of the perimeter of the sheet material to be molded, a plurality of bars pivotally supported in said frame, a plurality of members carried by said bars and slidable relatively thereto and means on said members to secure thereto other parts of the perimeter of the sheet material.

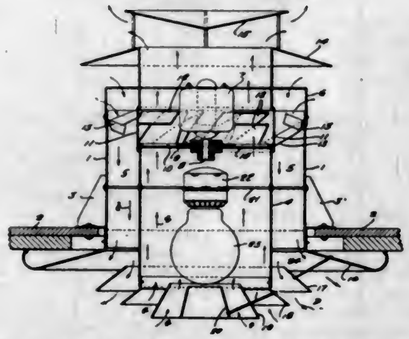
2,189,007
STENCIL PRINTING MACHINE
Josef Kessel, Krefeld, Germany
Application May 2, 1938, Serial No. 205,479
In Germany September 10, 1936
13 Claims. (Cl. 101—123)

1. An electric stencil printing machine comprising in combination an intermittently travelling laterally unshiftable and unstretchable printing support, stencils arranged above said support, a device for heating said support, heated printing and washing devices, a continuously rotating motor, a controlled gear between said motor and said support, two clutches one for rapid speed and the other for creeping speed, a catch adapted to clamp on said support during the forward motion of said support to successively disengage the clutch for rapid speed, engage and disengage the clutch for creeping speed, a fine adjusting device for indicating the register position and actuated by said catch and adapted to release said catch for the return movement, an auxiliary motor controlled by said device, a toothed wheel adapted to be rotated through half a revolution by said auxiliary motor, a switch disc connected to said toothed wheel adapted to lower said stencils, a second auxiliary motor controlled by said disc, a doctor



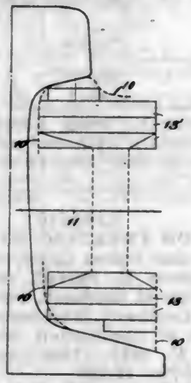
mechanism above said support moved to and fro by said second auxiliary motor, said second auxiliary motor adapted to again switch on said auxiliary motor to raise said stencils and engage the clutch for rapid speed and clamp said clutch on said printing support.

2,189,008
VENTILATING DEVICE
Franz J. Kurth, New York, N. Y.
Application August 7, 1937, Serial No. 157,842
1 Claim. (Cl. 98—33)



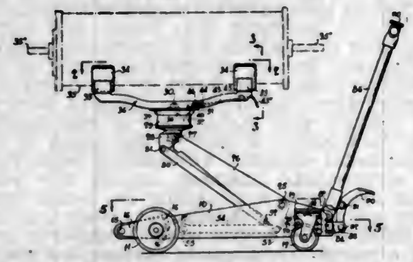
In a device of the character described, an outer casing, an inner casing within said outer casing and spaced therefrom to provide a passageway between said casings, said inner casing comprising separate cylindrical sections disposed in end-to-end spaced apart relationship, a rotatable cylindrical shell mounted in axial alinement with said inner casing sections and closing the space between the ends of said casing sections, the end portions of said shell being disposed in overlapping relationship to the adjacent end portions of said inner casing sections, the overlapped portions of said shell and said inner casing sections being disposed closely adjacent to each other, fan blades interiorly and exteriorly of said shell and rotatable therewith for circulating air through said inner casing and through said passageway, respectively, a plurality of arms carried by said outer casing and extending through said inner casing into the latter, a motor mounted on said arms within said inner casing and operatively connected to said shell for supporting and rotating the same, another plurality of arms carried by said outer casing at a point spaced longitudinally therealong from said first mentioned arms and extending through said inner casing into the latter, and a lamp socket mounted on said second mentioned plurality of arms within said inner casing, said first and second mentioned pluralities of arms cooperating with said casings and with each other to support said inner casing in spaced, concentric relationship to said outer casing.

2,189,009
UNBALANCED SPLICE BAR WITH BALANCED RATIOS
Horace L. Lansing, Rutherford, N. J., assignor to Poor & Company, New York, N. Y., a corporation of Delaware
Application November 12, 1938, Serial No. 240,153
2 Claims. (Cl. 238—243)



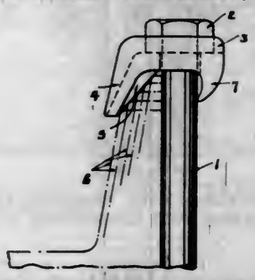
1. A splice bar having, in cross section a materially greater area of metal above than below its middle line and also having its metal distributed so that the moment of inertia with respect to said middle line is materially greater for the portion of the bar above said middle line than for the portion of the bar below said middle line and the horizontal neutral axis of the bar is disposed materially above said middle line, said bar further having substantially analytical symmetry in that its physical property ratios above and below its middle line are substantially balanced.

2,189,010
TRANSPORTING APPARATUS
James W. Lewis, Spartanburg, S. C.
Application October 19, 1938, Serial No. 235,791
3 Claims. (Cl. 254—2)



1. Apparatus for removing loom beams from looms and transporting the same along the aisles between looms as well as transporting the beams along the aisles and installing the beams in the looms of a weave room, comprising an elongated truck adapted to pass along the aisles, one end of the truck being of relatively small vertical thickness so that said end can be inserted beneath a loom beam, a lifting arm mounted at one end for pivotal movement at the other end of the truck and having a cradle on its free end for supporting warp beams, cloth beams and the like on its free end, said cradle being mounted for rotation on a vertically disposed pivot on the free end of the arm, and means for locking the cradle in position relative to the free end of the arm, whereby the beam can be transported along the aisles between looms in a weave room while the beam is held in elevated position without contacting the looms defining the aisle between rows of looms.

2,189,011
HOOK ADAPTER FOR BOLTS
Henry Lindsay, Bradford, England, assignor to Henry Lindsay Limited, Bradford, England
Application September 6, 1938, Serial No. 228,697
In Great Britain April 30, 1938
2 Claims. (Cl. 189—35)



1. In combination with a member having a flange, a hook adapter arranged to be secured to the edge of said flange, said adapter including a clamp having an opening adjacent the base of the flange, a bolt disposed substantially parallel to the base of the flange and extending through said opening for securing the clamp to the flange, said adapter having a lateral projecting abutment on one side overlapping said flange and a spur on the side opposite to said abutment engaging said bolt, and said abutment having a medially disposed web projecting from the underside thereof, said web extending substantially perpendicular to the edge of the flange so as to bear against the same when the parts are applied, said web being the only part of the hook adapter bearing against the flange.

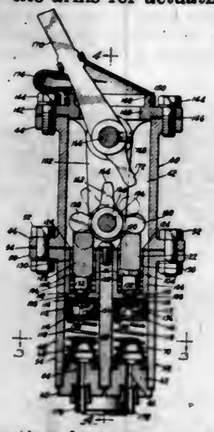
2,189,012
MANUFACTURE OF ORGANIC COMPOUNDS
Geoffrey Lord and George Reeves, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 22, 1938, Serial No. 215,221. In Great Britain August 24, 1937
9 Claims. (Cl. 260—378)

1. Process for the conversion into oxidized form of leuco derivatives of anthraquinone compounds which contain an amino group in one of the 1- and 4-positions and a group selected from the group consisting of amino and hydroxy in the other of such positions, which comprises treating such leuco derivatives with substantially anhydrous sulphuric acid.

2,189,013
FLUID PRESSURE SYSTEM
Aaron A. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 11, 1937, Serial No. 179,370
4 Claims. (Cl. 60—54.5)

1. A fluid pressure producing device comprising a reservoir, a pair of cylinders supplied therefrom, pistons reciprocable in the cylinders, a support on the top of the reservoir, arms depending from

the support into the reservoir, a walking beam supported by the arms for actuating the pistons,



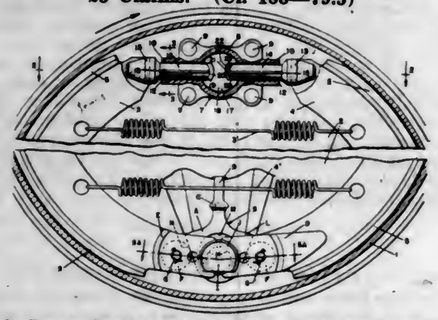
and an operating lever mounted between the arms cooperating with the walking beam.

2,189,014

BRAKE MECHANISM

Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application March 11, 1936, Serial No. 68,332
25 Claims. (Cl. 188—79.5)



1. In a brake mechanism, the combination with a brake drum and brake shoes engageable with said drum and having spaced ends, of an adjustment anchor device for said shoes located between said ends, said device comprising a bracket, links guided by said bracket and operatively connected to said ends, and a longitudinally adjustable wedge carried by said bracket and having differently inclined parts for adjusting said links.

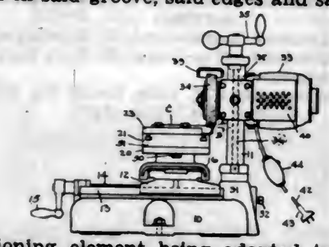
2,189,015

GRINDER

Harry A. Maurer, Novelty, Ohio, assignor to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application January 11, 1937, Serial No. 119,976
2 Claims. (Cl. 51—92)

2. In a chaser grinding machine comprising a wheel and a horizontal traversing table, the combination with said table of a pair of relatively movable plates thereon, said plates including inner edges defining between them the walls of a groove whereof the table forms the bottom, a chaser-positioning element, and a plurality of positive engaging means between said groove and said chaser-positioning element for holding the latter in said groove, said edges and said chaser-



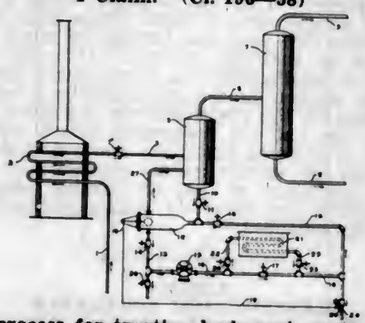
positioning element being adapted to establish positioning contact with controlling surfaces of a chaser laid on said table in said groove.

2,189,016

PROCESS FOR TREATING HYDROCARBONS

Hugh Miller and James L. Farrell, Whittenburg, Tex.; Marjorie B. Farrell, executrix of said James L. Farrell, deceased, assignors to Phillips Petroleum Company, a corporation of Delaware

Continuation of application Serial No. 697,795, November 13, 1933. This application April 2, 1936, Serial No. 72,394
1 Claim. (Cl. 196—58)



A process for treating hydrocarbons in which the hydrocarbons are subjected to conversion conditions in a heating zone, and the effluent of the heating zone passed to a separating chamber where it is separated into vapors and liquid, comprising maintaining the separating chamber substantially free of accumulated liquid by immediately passing the liquid to a supplemental chamber where the liquid is segregated from direct contact with the effluent of said heating zone, maintaining a pool of the liquid in the supplemental chamber, withdrawing liquid from the supplemental chamber, cooling the withdrawn liquid and recirculating the cooled liquid to the supplemental chamber to agitate and cool the liquid in the supplemental chamber to prevent excessive formation of carbon, the size of the pool of liquid in the supplemental chamber being such that liquid is segregated for a period of time and at a temperature sufficient to increase the specific gravity of the liquid.

2,189,017

TREATMENT OF TEXTILE AND OTHER MATERIALS

Georges Rivat, Lyon, France, assignor to Henry Dreyfus, London, England

No Drawing. Application February 18, 1937, Serial No. 126,383. In France February 19, 1936
1 Claim. (Cl. 8—64)

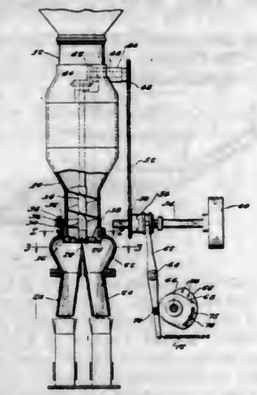
Process for the production of local colored effects on fabrics of cellulose acetate, which comprises locally printing the materials with a resist consisting substantially of 250–400 parts of chlorinated rubber, 325–250 parts of toluene, 325–250 parts of o-dichlorbenzene and 100 parts of tricresyl phosphate, immersing the material for a substantial period of time in a hot aqueous dye liquid to dye the portions free from the resist and then removing the resist by means of an organic solvent.

2,189,018

FILLING APPARATUS

George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application January 30, 1937, Serial No. 123,262
3 Claims. (Cl. 221—130)



1. In a filling apparatus of the character described, in combination, a casing, material feeding means within the casing for feeding a main stream of material therethrough, a cylindrical chamber disposed at the mouth of said casing and having the interior of its outer walls smoothly curved, a centrifugal distributing member for directing the material from the mouth of said casing against said curved walls, said enlarged chamber having partitioning means for separating the chamber into equal sections whereby to permit the chamber to subdivide the material into smaller but uniform streams, and means for restricting the flow of material from one portion of said distributing member whereby to adjust the flow into one section.

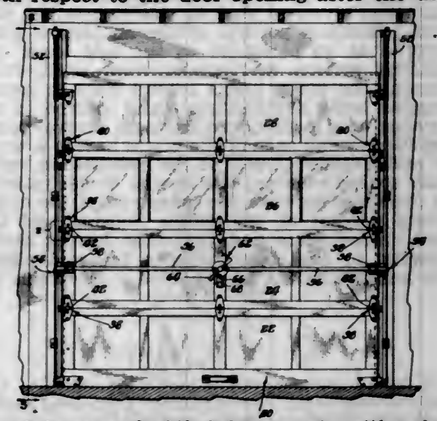
2,189,019

OVERHEAD DOOR CONSTRUCTION

Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois

Application November 30, 1938, Serial No. 243,245
8 Claims. (Cl. 20—20)

1. In an overhead door construction, a pair of guide tracks, each track comprising a fixed vertical section adapted to be positioned adjacent the inner surface of a door frame defining a door opening, a horizontal overhead section, and a curved section intermediate said vertical and horizontal sections, a plurality of hingedly connected door panels slidably mounted upon said tracks and adapted to be shifted thereon between door-closing vertical position and open overhead position, and shiftable means for simultaneously moving said panels at vertically spaced positions in a lateral direction only into sealing relation with respect to the door opening after the door



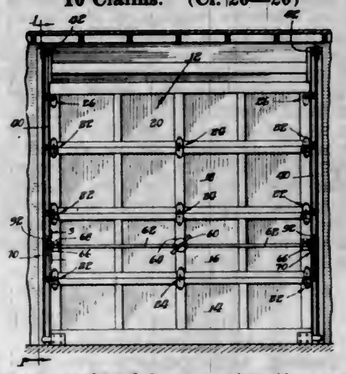
panels have reached their lowermost position closing the door opening.

2,189,020

OVERHEAD DOOR CONSTRUCTION

Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois

Application May 27, 1939, Serial No. 276,096
10 Claims. (Cl. 20—20)



2. In an overhead door construction, a plurality of hingedly connected shiftable door panels for traversing a door opening, guiding means for directing the movements of said door panels between open and closed positions, said guiding means including upright track sections, and means shiftable laterally of said panels for simultaneously engaging a plurality of said panels to laterally urge said panels into sealing relation with respect to said door opening after said panels reach their closing position, said upright track sections and laterally shiftable means being provided with an arrangement of inclined open ended cam slots and members cooperating therewith to cause lateral movement of said shiftable means into engagement with said panels.

2,189,021

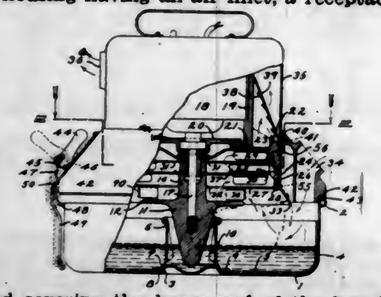
AIR CONDITIONING APPARATUS

John Schury, Detroit, Mich.

Application October 3, 1938, Serial No. 233,005
3 Claims. (Cl. 183—24)

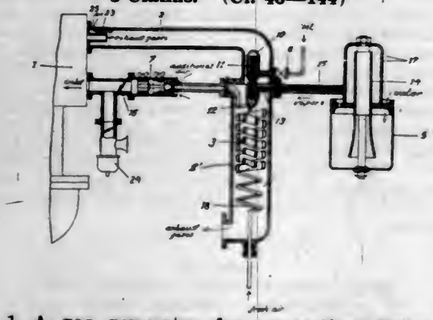
1. In an air cleaning device, a housing having

an upper cylindrical portion for the support of a motor, and a lower depending portion of greater diameter, an outer shell in spaced relation with said cylindrical portion of the housing, a plate secured at its periphery to the said lower depending portion and spaced from the portion housing the motor and a second plate in spaced relation below the first plate and secured to the housing, said plates each having a central opening therein and each of the plates having a series of radial blades, a pair of fan elements in vertically spaced relation, one having blades running in the space between the lower end of the cylindrical portion of the motor housing and the first named plate and the other having blades running in the space between the said plates, the housing having an air inlet, a receptacle for



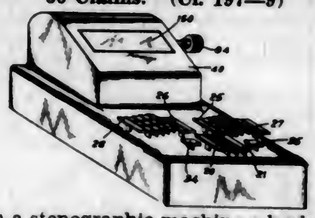
liquid covering the lower end of the housing, a rotary distributor having a coned portion extending into the liquid and a peripheral flange thereabove whereby rotation of the same causes a film of liquid to be sprayed radially outward from the said flange, the arrangement providing that air entering the inlet must pass through the spray beneath the first plate, thence to the first fan and thence through the second plate and the second fan, the housing for the motor element having an outlet for air, an inclined and apertured baffle plate in the space between the outer and inner motor housing elements, the said plates and baffles thereon preventing rotation of the air body by the fan, and means whereby rotation of the liquid body by rotation of the distributor is prevented.

2,189,022
GAS GENERATOR
Gustav Steiner, Ludwigshafen - on - the - Rhine, Germany, assignor to Wilhelm Dützmann, Neustadt-on-the-Haardt, Germany
Application July 3, 1936, Serial No. 88,911
In Germany July 4, 1935
5 Claims. (Cl. 48—144)



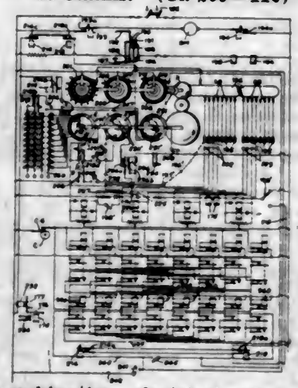
1. A gas generator for converting difficultly volatile fuels into a mixture suitable for operating combustion engines, comprising a volatilizing chamber, means for admitting the fuel to the chamber for volatilizing, a mixing chamber, means for admitting the volatilized fuel to the mixing chamber, an air moistening device, means for admitting moistened air from the air moistening chamber to the mixing chamber for mixing with the volatilized fuel, means for directing the mixture through a tortuous path under the suction of the engine, means for admitting supplementary air to the mixture at a predetermined point in this path, and means for subjecting the volatilizing chamber, mixing chamber and tortuous path of the mixture to the continuous action of peat.

2,189,023
PUNCHING AND PRINTING DEVICE
Waldemar A. Ayres, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 19, 1936, Serial No. 116,695
36 Claims. (Cl. 197—9)



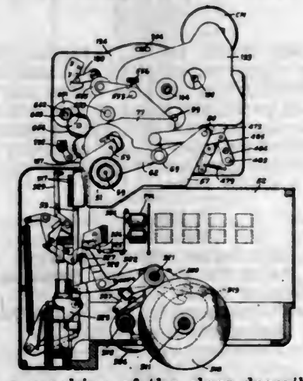
11. In a stenographic machine a keyboard consisting of three groups of keys positioned to be operated by the fingers and thumbs of both hands of an operator, a left group of keys comprising fifteen keys arranged in three arcs with the five keys in each arc corresponding to the position of the finger tips, a center group of six keys arranged in two sets of three keys in a column, each set operated by a thumb, a right group of keys comprising fifteen keys arranged in three arcs with the five keys in each arc corresponding to the positions of the finger tips, and means under control of said keys operated singly or in combination for recording data represented by the keys.

2,189,024
SORTING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 16, 1936, Serial No. 80,040
25 Claims. (Cl. 209—110)



1. In combination, electrical value comparing means to compare a pair of values to determine which is the greater, a pair of value representing means, means to transmit the values from said representing means to said comparing means for causing selective electrical operation of the latter according to which of the two compared values is greater, card sorting apparatus to sort the cards to different destinations and including a common controller for determining the destinations to which the cards are sorted, and means controlled by the value comparing means in accordance with the selective operation of the latter to operate the common controller selectively for determining different destinations for a card in accordance with which of the compared values has been found by the comparing means to be the greater.

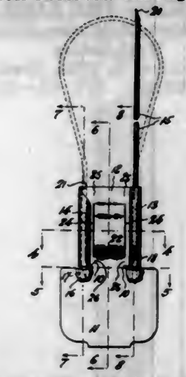
2,189,025
PAPER FEEDING DEVICE
Fred M. Carroll and John Henry Bakelaar, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 1, 1935, Serial No. 1
34 Claims. (Cl. 197—133)



2. In a machine of the class described, means for printing a predetermined number of lines of heading print on a record sheet divided into forms, devices settable for a predetermined number of lines of spacing, means automatically initiated by the printing of the last line of heading print on a form and controlled by said devices for automatically feeding the sheet a predetermined number of line spaces, and means for controlling said printing means to print items on the same form after automatic feeding.

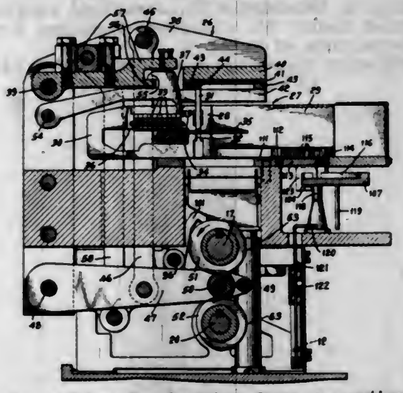
2,189,026
TAGGING SEAL
Emil Dietze, Brooklyn, N. Y., assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application August 17, 1939, Serial No. 290,614
10 Claims. (Cl. 292—326)

1. A tagging seal comprising, a flat sheet metal body having opposite lateral marginal portions thereof rolled inward thereupon to provide tubular coupling members, a flexible tie-wire having a butt portion inserted in and anchored to one of said coupling members, said tie-wire being adapted to be bent upon itself for insertion of its initially free end portion into the other of said coupling members, a combined stop and shield means pressed outwardly from said body and opposed at least to the inner end of said last mentioned coupling member to receive and stop the tie-wire portion inserted through the latter, and



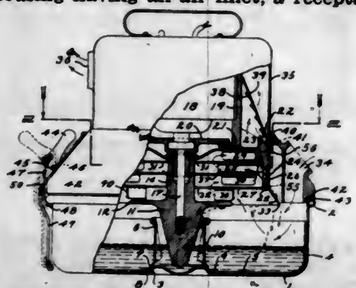
said coupling members being adapted to be deformed by a suitable sealing tool into interlocking relation to the tie-wire portions entered therein.

2,189,027
PRINTING AND PUNCHING MACHINE
Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 3, 1938, Serial No. 211,539
10 Claims. (Cl. 101—19)



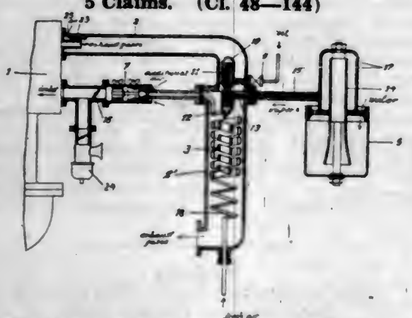
1. A machine for forming from a continuous strip tags to be affixed to merchandise comprising, a main operating means, a plurality of punch pin carrying members, said members also carrying printing type, means operated by said operating means for operating said punch pins to perforate a portion of the strip to represent data related to the merchandise, means operated by said operating means for effecting a printing impression from the type to thereby print on an adjacent portion of the strip the meaning of the perforations, means for feeding the strip through the machine lengthwise as the strip runs to a more or less variable length, a resiliently operated means engaging said strip during said feeding operation, said resiliently operated gauging means reversely feeding said strip to a predetermined stop position of the resiliently operated means thereby exactly gauging the length of the tag, and means operated by said operating means to sever the strip to provide a tag section having the length previously gauged.

an upper cylindrical portion for the support of a motor, and a lower depending portion of greater diameter, an outer shell in spaced relation with said cylindrical portion of the housing, a plate secured at its periphery to the said lower depending portion and spaced from the portion housing the motor and a second plate in spaced relation below the first plate and secured to the housing, said plates each having a central opening therein and each of the plates having a series of radial blades, a pair of fan elements in vertically spaced relation, one having blades running in the space between the lower end of the cylindrical portion of the motor housing and the first named plate and the other having blades running in the space between the said plates, the housing having an air inlet, a receptacle for



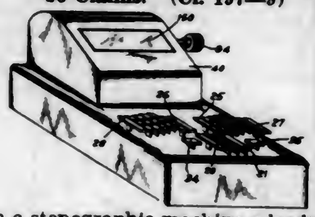
liquid covering the lower end of the housing, a rotary distributor having a coned portion extending into the liquid and a peripheral flange thereabove whereby rotation of the same causes a film of liquid to be sprayed radially outward from the said flange, the arrangement providing that air entering the inlet must pass through the spray beneath the first plate, thence to the first fan and thence through the second plate and the second fan, the housing for the motor element having an outlet for air, an inclined and apertured baffle plate in the space between the outer and inner motor housing elements, the said plates and baffles thereon preventing rotation of the air body by the fan, and means whereby rotation of the liquid body by rotation of the distributor is prevented.

2,189,022
GAS GENERATOR
Gustav Steiner, Ludwigshafen - on - the - Rhine, Germany, assignor to Wilhelm Dützmann, Neustadt-on-the-Haardt, Germany
Application July 3, 1936, Serial No. 88,911
In Germany July 4, 1935
5 Claims. (Cl. 48—144)



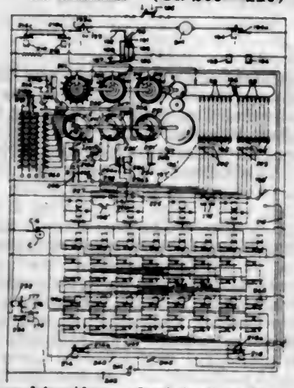
1. A gas generator for converting difficultly volatile fuels into a mixture suitable for operating combustion engines, comprising a volatilizing chamber, means for admitting the fuel to the chamber for volatilizing, a mixing chamber, means for admitting the volatilized fuel to the mixing chamber, an air moistening device, means for admitting moistened air from the air moistening chamber to the mixing chamber for mixing with the volatilized fuel, means for directing the mixture through a tortuous path under the suction of the engine, means for admitting supplementary air to the mixture at a predetermined point in this path, and means for subjecting the volatilizing chamber, mixing chamber and tortuous path of the mixture to the continuous action of peat.

2,189,023
PUNCHING AND PRINTING DEVICE
Waldemar A. Ayres, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 19, 1936, Serial No. 116,695
36 Claims. (Cl. 197—9)



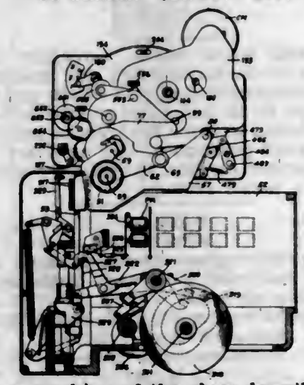
11. In a stenographic machine a keyboard consisting of three groups of keys positioned to be operated by the fingers and thumbs of both hands of an operator, a left group of keys comprising fifteen keys arranged in three arcs with the five keys in each arc corresponding to the position of the finger tips, a center group of six keys arranged in two sets of three keys in a column, each set operated by a thumb, a right group of keys comprising fifteen keys arranged in three arcs with the five keys in each arc corresponding to the positions of the finger tips, and means under control of said keys operated singly or in combination for recording data represented by the keys.

2,189,024
SORTING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 16, 1936, Serial No. 80,040
25 Claims. (Cl. 209—110)



1. In combination, electrical value comparing means to compare a pair of values to determine which is the greater, a pair of value representing means, means to transmit the values from said representing means to said comparing means for causing selective electrical operation of the latter according to which of the two compared values is greater, card sorting apparatus to sort the cards to different destinations and including a common controller for determining the destinations to which the cards are sorted, and means controlled by the value comparing means in accordance with the selective operation of the latter to operate the common controller selectively for determining different destinations for a card in accordance with which of the compared values has been found by the comparing means to be the greater.

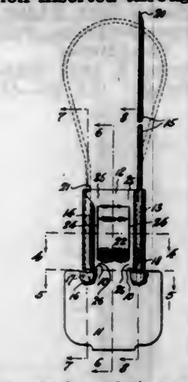
2,189,025
PAPER FEEDING DEVICE
Fred M. Carroll and John Henry Bakelaar, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 1, 1935, Serial No. 1
34 Claims. (Cl. 197—133)



2. In a machine of the class described, means for printing a predetermined number of lines of heading print on a record sheet divided into forms, devices settable for a predetermined number of lines of spacing, means automatically initiated by the printing of the last line of heading print on a form and controlled by said devices for automatically feeding the sheet a predetermined number of line spaces, and means for controlling said printing means to print items on the same form after automatic feeding.

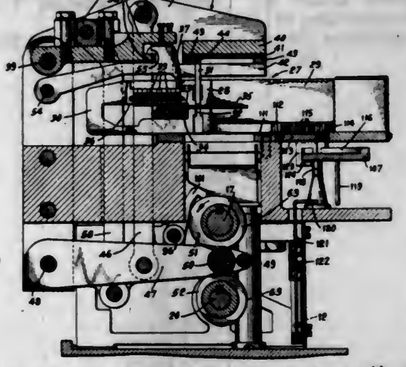
2,189,026
TAGGING SEAL
Emil Dietze, Brooklyn, N. Y., assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application August 17, 1939, Serial No. 290,614
10 Claims. (Cl. 292—326)

1. A tagging seal comprising, a flat sheet metal body having opposite lateral marginal portions thereof rolled inward thereupon to provide tubular coupling members, a flexible tie-wire having a butt portion inserted in and anchored to one of said coupling members, said tie-wire being adapted to be bent upon itself for insertion of its initially free end portion into the other of said coupling members, a combined stop and shield means pressed outwardly from said body and opposed at least to the inner end of said last mentioned coupling member to receive and stop the tie-wire portion inserted through the latter, and



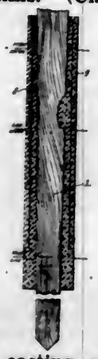
said coupling members being adapted to be deformed by a suitable sealing tool into interlocking relation to the tie-wire portions entered therein.

2,189,027
PRINTING AND PUNCHING MACHINE
Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 3, 1938, Serial No. 211,539
10 Claims. (Cl. 101—19)



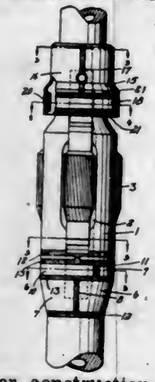
1. A machine for forming from a continuous strip tags to be affixed to merchandise comprising, a main operating means, a plurality of punch pin carrying members, said members also carrying printing type, means operated by said operating means for operating said punch pins to perforate a portion of the strip to represent data related to the merchandise, means operated by said operating means for effecting a printing impression from the type to thereby print on an adjacent portion of the strip the meaning of the perforations, means for feeding the strip through the machine lengthwise as the strip runs to a more or less variable length, a resiliently operated means engaging said strip during said feeding operation, said resiliently operated gauging means reversely feeding said strip to a predetermined stop position of the resiliently operated means thereby exactly gauging the length of the tag, and means operated by said operating means to sever the strip to provide a tag section having the length previously gauged.

2,189,028
REINFORCED PILE AND METHOD OF MAKING THE SAME
Thorwald H. Hansen, Brighton, Trinidad, British West Indies
Application November 3, 1938, Serial No. 238,523
12 Claims. (Cl. 61—54)



1. A method of casting concrete which comprises providing a form, pouring a cement slurry in the bottom of the space enclosed by said form, introducing plastic concrete beneath the surface of said slurry and displacing the same upwardly, said slurry floating on the surface of said concrete.

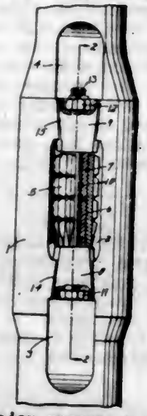
2,189,029
REAMER
George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 6, 1938, Serial No. 244,140
12 Claims. (Cl. 255—73)



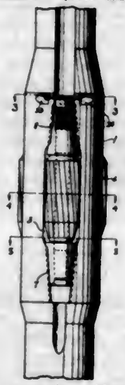
1. In a reamer construction, a reamer body having a major recess in one side thereof and an auxiliary recess at one end of said major recess, and a ring around said body and extending over said auxiliary recess to form a socket opening toward said major recess, said ring having an inner surface inclined radially outwardly where it extends over said auxiliary recess so that said socket will taper toward a smaller radial dimension in a direction away from said major recess.

2,189,030
REAMER
George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application November 14, 1938, Serial No. 240,401
Renewed August 9, 1939
12 Claims. (Cl. 255—73)

1. In a reamer construction, a reamer body having a major recess in its outer surface and a smaller auxiliary recess at each end of said major recess, each of said auxiliary recesses tapering toward a smaller dimension in a direction toward said major recess and in a direction outwardly from the center of said reamer body, a correspondingly tapered block in each of said auxiliary recesses having bearing parts extending into said major recess, a reamer cutter in said major recess surrounding said bearing parts, a bolt extending through said blocks and through said bearing parts, and a nut on said bolt adapted to be tightened to draw said blocks tightly within the tapered portions of said auxiliary recesses and into proper position to rotatably mount said cutter in a major recess.



2,189,031
REAMER
George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application November 14, 1938, Serial No. 240,400
Renewed August 9, 1939
8 Claims. (Cl. 255—73)



1. In a reamer construction, a reamer body having a main recess in its outer surface and a smaller auxiliary recess at each end of said main recess, each of said auxiliary recesses tapering toward a smaller dimension in a direction away from said main recess and in a direction outwardly from the center of said reamer body, a correspondingly tapered block in one of said auxiliary recesses having a seat formed therein adjacent said main recess, a reamer pin seated in said seat and extending through said main recess, a reamer cutter rotatably carried by said pin within said main recess, a second block tapered to fit the other of said auxiliary recesses and having an opening therethrough, the end of said pin opposite said first block being disposed within said opening, and means threaded into said opening for exerting a force on said pin toward said first block and a reactionary force on said second block tending to force both blocks tightly into said auxiliary recesses, and means for locking said threaded means in position.

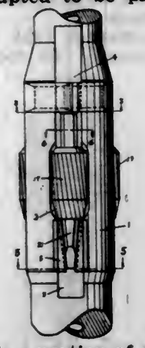
2,189,032
REAMER
Michael D. Carleton, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 8, 1938, Serial No. 244,545
2 Claims. (Cl. 255—73)



1. In a reamer construction, a reamer body having a major recess and a pair of auxiliary recesses at the opposite ends of and opening into the major recess, each of said auxiliary recesses having a pair of inner walls inclined toward each other and an inverted T-slot opening through the bottom thereof, a bolt having its head slidingly and non-rotatably engaged in each of said T-slots and projecting outwardly into the corresponding auxiliary recess, a pair of blocks each having an opening to receive one of said bolts and adapted to be disposed in one of said auxiliary recesses, each of said blocks having a pair of inclined surfaces adapted to engage said inclined inner walls of the auxiliary recesses, respectively, a cutter pin extending from one of said blocks toward the other of said blocks and secured within an opening at the other of said blocks, a reamer cutter rotatably mounted upon said pin between said blocks and adapted to lie within said major recess, and a pair of nuts engaging said bolts and bearing against said blocks to secure said blocks tightly within said auxiliary recesses.

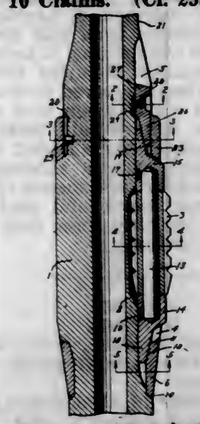
2,189,033
REAMER
Howard B. Book and Robert A. Hanlin, Oklahoma City, Okla., assignors to Reed Roller Bit Company, Oklahoma City, Okla., a corporation of Texas
Application April 1, 1939, Serial No. 265,394
5 Claims. (Cl. 255—73)

1. In a reamer construction, a reamer body having a major recess and an auxiliary recess at each end of said major recess, a reamer cutter shaft, a reamer cutter rotatably mounted thereon, a block carried by one end of said shaft and having a part adapted to wedgingly engage one of said auxiliary recesses, a block carried by the opposite end of said shaft and adapted to lie within said other auxiliary recess, a removable sectional ring adapted to be placed about said



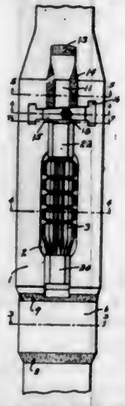
body and to overlie a portion of said second block and urge the same toward said first block, and means for removably securing said sectional ring in place about said body.

2,189,034
REAMER
George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 8, 1938, Serial No. 244,554
Renewed August 9, 1939
10 Claims. (Cl. 255—73)



1. In a reamer, a reamer body having a major recess in the outer surface thereof and an auxiliary recess opening into each end of said major recess, said auxiliary recesses being of rectangular cross section, a part overlying a portion of one of said recesses to form a tapered socket opening toward said major recess, a roller cutter adapted to be mounted in said major recess, a shaft on which said cutter is rotatably mounted, and a block secured to each of the opposite ends of said shaft, one of said blocks having a tapered extension adapted to fit within said socket and the other of said blocks having a tapered extension to fit within the other of said auxiliary recesses, a ring removably mounted on said body and overlying said last mentioned auxiliary recess, and means wedged between said ring and said last mentioned tapered extension to lock said cutter assembly in place with said blocks in said auxiliary recesses and said cutter in said major recess.

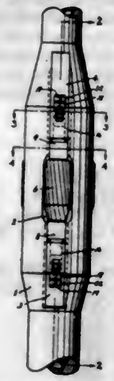
2,189,035
REAMER
Howard L. Squires, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 8, 1938, Serial No. 244,536
5 Claims. (Cl. 255—73)



1. In a reamer, a reamer body having a major recess in one side thereof and an auxiliary recess at each end of said major recess, one of said auxiliary recesses being in the form of a tapered socket opening toward said major recess and the other of said auxiliary recesses being open radially outwardly and longitudinally toward said major recess and having an abutment at its end remote from said major recess, a cutter assembly comprising a pair of blocks and a cutter rotatably mounted therebetween, one of said blocks being tapered to wedgingly engage said tapered socket when said assembly is moved lengthwise toward said socket and the other of said blocks being adapted to be positioned in the other of said auxiliary recesses adjacent said abutment, and means for engaging said last mentioned block and said abutment for forcing them apart to force said first block into said tapered socket.

2,189,036
REAMER
Kenneth E. Jones, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 16, 1938, Serial No. 246,183
Renewed August 9, 1939
6 Claims. (Cl. 255—73)

1. In a reamer construction, a reamer body having a major recess in its outer surface, and an auxiliary recess at each end of said major recess, each of said auxiliary recesses tapering toward a smaller dimension in a direction outward from the center of said reamer body and being of substantially uniform width from end to end, a correspondingly tapered wedging block slidably mounted in each of said recesses and having a hollowed out portion disposed toward the center of the reamer body, a cutter assembly comprising a cutter adapted to be mounted within said major recess, a cutter pin within said cutter for rotatably mounting the same and a pair of supporting blocks secured to the opposite ends of said cutter pin, each of said supporting blocks being adapted to lie within one of said auxiliary recesses and having a tongue like part adapted to be received within the hollowed out portion of the sliding block within said recess, and a wedge adapted to enter the said cut away portion of the sliding block and be wedged between



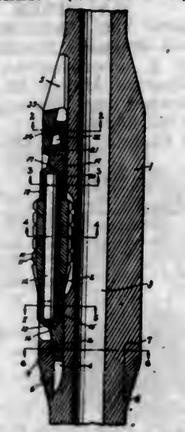
that portion and the tongue like part of said supporting block.

2,189,037
REAMER
George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 8, 1938, Serial No. 244,553
8 Claims. (Cl. 255—73)



1. In a reamer, a reamer body having a major recess in the outer surface thereof and a minor recess opening into each end of said major recess, respectively, one of said recesses being of rectangular cross section and the other of said recesses being of dovetail cross section, a part overlying a portion of said one recess to form a tapered pocket opening toward said major recess, and a block in the other of said minor recesses of a cross sectional shape adapted to wedgingly fit therein, a roller cutter adapted to be mounted in said major recess, a shaft on which said cutter is rotatably mounted, and a block secured to each of the opposite ends of said shaft, one of said blocks having a tapered extension adapted to fit within said pocket and the other of said blocks having tapered extension adapted to fit within said dovetail recess and wedgingly receive the first mentioned block fitting within said recess, and means for resiliently urging said first mentioned block into wedging engagement with said second block which is secured to said shaft to firmly anchor said second block and to resiliently urge the block fitting within said pocket into wedging engagement therewith.

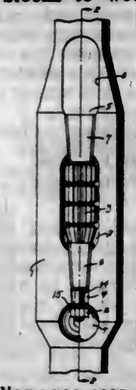
2,189,038
REAMER
Kenneth E. Jones, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 16, 1938, Serial No. 246,182
3 Claims. (Cl. 255—73)



1. In a reamer, a reamer body having a major recess in the outer surface thereof and a minor recess opening into each end of said major recess, respectively one of said recesses being of rectangular cross-section and the other of said recesses being of dovetail cross-section, a part overlying a portion of said one recess to form a tapered pocket opening toward said major recess, a roller cutter adapted to be mounted in said major recess, a shaft on which said cutter is rotatably mounted, a block secured to each of the opposite ends of said shaft, one of said blocks having a tapered extension adapted to fit within said pocket and the other of said blocks having a tapered extension adapted to rest in said dovetail recess but of reduced width so that it is not as wide as said dovetail recess and wedgingly receive a block of a cross sectional shape adapted to wedgingly fit within said dovetail recess, and means engaging said last named block and said last named tapered extension to urge the last named block into wedging engagement with said last named tapered extension.

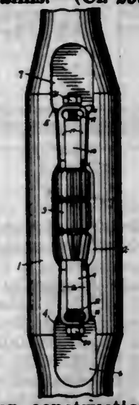
2,189,039
REAMER
William L. Childs, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 8, 1938, Serial No. 244,523
5 Claims. (Cl. 255—73)

1. In a reamer construction, a reamer body having a major recess in its outer surface and a smaller auxiliary recess at each end of said major recess, each of said auxiliary recesses tapered toward a smaller dimension in the same direction longitudinally of the reamer body and in a direction outwardly from the center of the said reamer, a correspondingly tapered block in each of said auxiliary recesses, a cutter in said major recess, a shaft secured to one of said blocks and passing through said cutter and the other of said blocks, and means for moving said shaft longitudinally with respect to said body to cause said blocks to wedge tightly in their



respective auxiliary recesses and secure said cutter in proper position with respect to said body.

2,189,040
REAMER
Kenneth E. Jones, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application December 27, 1938, Serial No. 247,785
8 Claims. (Cl. 255—73)

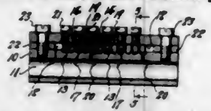


1. In a reamer construction, a reamer body having a major recess in its outer surface and an auxiliary recess at each end of said major recess, each of said auxiliary recesses tapering to a smaller dimension in a directon outwardly from the center of said reamer body, a block in each of said auxiliary recesses, a reamer pin having its end portions carried by said blocks and the ends thereof extending through and beyond said blocks, the central portion of said pin extending through said major recess, a reamer cutter rotatably carried by said pin within said major recess, and U-shaped wedging members having parts adapted to engage said pin portions and wedgingly engage between the walls of said auxiliary recesses and the side surfaces of said blocks to wedgingly hold said blocks in said auxiliary recesses.

2,189,041
MULTIPLE LOOPER MEANS FOR SEWING MACHINES
Anton Kierner, Elizabeth, N. J., assignor to Emil Prazak, Elizabeth, N. J.
Application April 22, 1939, Serial No. 269,436
5 Claims. (Cl. 112—218)

1. A multiple looper means for sewing mech-

anism comprising, a carrier block having an outwardly open horizontal socket channel bounded by opposed spaced walls, one wall providing a flat seating surface and the other wall having therein laterally spaced transverse seating grooves of arcuate cross section, a plurality of looper devices having butt shank portions for in-



sertion in said socket channel, said butt shank portions having flat faces to oppose said flat seating surface of the one wall of the socket channel and rounded faces to fit in said seating grooves of the other wall of the socket channel, and means to secure said butt shank portions against outward displacement from said socket channel.

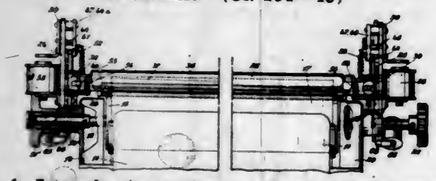
2,189,042

SHEET SEVERING MECHANISM

Michael Maul, Berlin-Johannisthal, Germany, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany

Substituted for abandoned application Serial No. 495,249, November 12, 1930. This application August 9, 1938, Serial No. 223,796. In Germany November 24, 1937

6 Claims. (Cl. 164—49)



1. In a sheet severing mechanism for a printing apparatus for severing continuous sheets fed by a platen roller comprising a fixed knife blade, a movable knife blade, means for supporting said knife blades to mount the latter longitudinally above said platen roller, and means for elevating said movable knife blade radially with relation to said platen roller away from the periphery of said platen roller and against said fixed knife blade to sever said sheet close to the periphery of the platen roller.

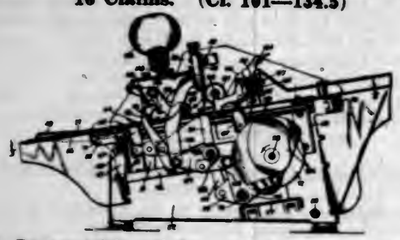
2,189,043

PRINTING TRANSFERRING MACHINE

Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 5, 1938, Serial No. 239,011

16 Claims. (Cl. 101—134.5)



1. In a machine of the class described, the combination of an original sheet to be transferred, a table to support a copy sheet, a line selecting device for selecting a line on the copy sheet to receive the transfer, means to move the copy sheet from line selecting position to position to receive the transfer, a moistening ribbon, means to move the ribbon to transfer position, and a pressure bar to press the ribbon, the original sheet and the copy sheet together to effect a transfer.

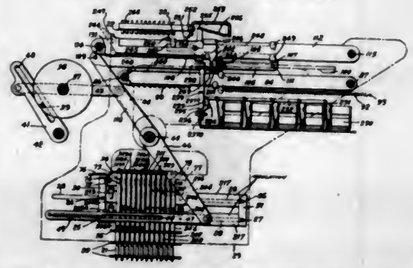
2,189,044

PRINTING MECHANISM FOR TABULATING MACHINES

Robert E. Paris, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application March 22, 1929, Serial No. 349,080. Divided and this application July 10, 1936, Serial No. 89,943

10 Claims. (Cl. 101—93)



1. In a machine of the class described the combination of a plurality of tabulator stops, a member operatively associated with one of said stops for effecting setting of the same, a member operatively associated with any one of the remaining plurality of said stops for effecting setting of the same common operating means for both of said members, and means operable in response to record perforations for controlling said common operating means.

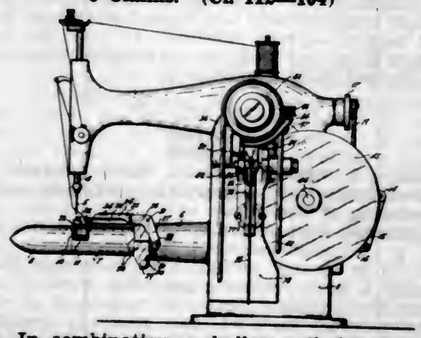
2,189,045

LABEL SEWING MACHINE

Emil Prazak, deceased, late of Elizabeth, N. J., by Emil Prazak, Jr., Elizabeth, N. J., administrator

Application July 2, 1938, Serial No. 217,121

9 Claims. (Cl. 112—104)



1. In combination, a hollow cylindrical work support having a slotted needleway in the wall thereof, a sewing mechanism including a vertically reciprocable sewing needle opposed to said work support for movement in and out of said needleway, stitch forming means within the hollow interior of said work support for cooperation with said sewing needle, and means to automatically impart rotative and axial movements to said work support to shift its needleway relative to the reciprocating sewing needle.

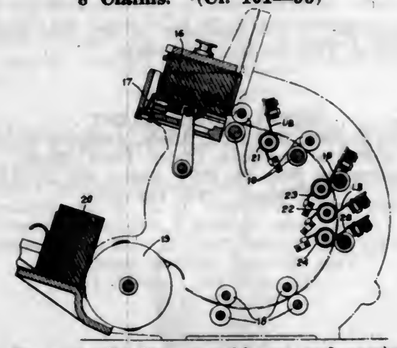
2,189,046

PRINTING MECHANISM

Clarence C. Smith, Bayside, Long Island, and Robert M. Johnson, Flushing, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 15, 1937, Serial No. 163,890

8 Claims. (Cl. 101—93)



1. In a cyclically operable record controlled printing machine, a presensing device, a plurality of secondary sensing devices, means for feeding a record card to first pass said presensing device and to then pass said purality of secondary devices, said feeding means being arranged to feed a card past said plurality of secondary devices in a single cycle of operation of the machine, a plurality of printing controlling devices, concurrently operable during said cycle one for each secondary sensing device and means controlled by said presensing device for causing either or both of said print controlling devices to be connected to their respective sensing devices for control thereby during the said single cycle.

2,189,047

WIENER ROASTER

Harry H. Tolen, Chula Vista, Calif.

Application January 30, 1939, Serial No. 253,564

1 Claim. (Cl. 53—5)



A device of the kind described consisting of a single wire having a spiral wiener supporting portion and a handle portion extending from one end of said spiral portion, the terminal part of said handle portion consisting of a loop of said wire, and the proximal part thereof consisting partly of a double wire run and partly of a single and bendable run of wire.

2,189,048

SILENT DOOR STOP

Joseph A. Underhill, New York, N. Y.

Application December 17, 1938, Serial No. 246,271

2 Claims. (Cl. 16—86)



1. A silent door stop for absorbing the noise that would otherwise be caused by the impact of a door thereagainst, said silent door stop including in combination a body member having a dowel screw embedded therein for enabling the door stop to be secured to a base, a smooth and flangeless hollow rubber cylinder open at one end, and a thin wall of rubber molded integrally with said hollow rubber cylinder at the other end thereof for forming an air-chamber therein, said body member having an enlarged head for snugly engaging and securely retaining by friction the open end of said rubber cylinder for forming an air-tight air-chamber extending appreciably beyond the end of said body member and having only said thin wall of rubber at its outer end for increasing the ability of the air-chamber to silently cushion the impact of a door against the tip of the rubber cylinder.

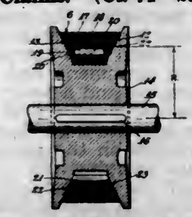
2,189,049

V BELT

Gustave Adolphe Ungar, Pelham Manor, N. Y.

Application July 17, 1937, Serial No. 154,144

6 Claims. (Cl. 74—233)



1. A V belt for operation over cone surfaces of pulleys comprising a longitudinally stretchable section, a section providing for tensile strength for load transmission and a section providing for lateral stiffness of the belt, said latter section not interfering with the flexibility of the belt, avoiding the generation of frictional heat and comprising metallic members embedded in said last mentioned section encased within a protecting fabric and individually positively positioned in spaced relation to each other.

2,189,050

TUNING CIRCUITS

Carel Jan van Loon, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

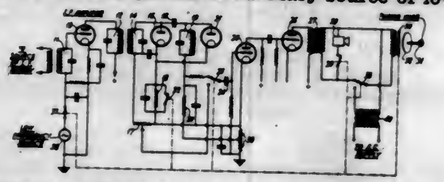
Application October 15, 1937, Serial No. 169,100

In Germany November 2, 1936

7 Claims. (Cl. 250—20)

1. A system for determining accurate tuning

of a radio receiver comprising a braking device operatively related to the tuning mechanism of the receiver and preventing further adjustment of the tuning mechanism when in accurately tuned position, a relay for actuating the braking device, a locally produced auxiliary source of low



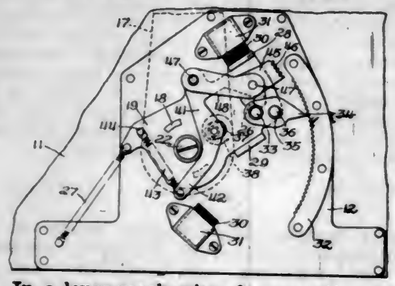
frequency voltage superimposed on the receiver circuit for energizing the relay, and means included in said circuit for blocking transmission of said auxiliary voltage to the relay except when the receiver is in accurately tuned condition.

2,189,051

LEVER LOCK MECHANISM

John C. Wahl, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application September 7, 1938, Serial No. 228,763
14 Claims. (Cl. 192—116.5)



1. In a lever mechanism for operating a rockable part, said mechanism comprising a support, a functionally integral unit carried in the support for rocking movement and comprising a hand lever, a bearing and a lever arm, with the support carrying the bearing and the lever and arm disposed on opposite sides thereof, a toothed bar rigidly positioned on the support, an auxiliary lever, means carrying the latter lever for relative movement on the arm, driver means on the auxiliary lever to engage and operate the rockable part, and a lock means associated with the auxiliary lever and engageable with the toothed bar to lock the unit against movement when resistance of the rockable part causes movement of the auxiliary lever to engage its lock means with the toothed bar.

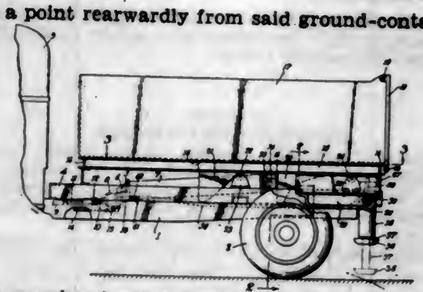
2,189,052

PICKUP AND DUMPING VEHICLE

William C. Anthony, Streator, Ill., assignor to Anthony Company, Inc., Streator, Ill., a corporation of Illinois

Application November 30, 1938, Serial No. 243,073
16 Claims. (Cl. 214—65)

1. In combination in a tipping assembly, a load-carrying member, a support for it, a ground-contacting member joined to said support, means for tipping the load-carrying member with respect to its support, and a ground contacting jack positioned on said support, and means for forcing the jack downward to contact the ground at a point rearwardly from said ground-contact-



ing member in the direction of tip, said means connected with the tipping means.

2,189,053

AMBULATORY SPLINT

Melvin Bryant, Bay City, Mich., assignor of one-third to George J. Curry, Flint, Mich.

Application May 18, 1937, Serial No. 143,242
3 Claims. (Cl. 128—87)



1. A fracture apparatus adapted to be secured in position by and be embedded in a plaster cast, said apparatus comprising a rectangular shaped open foot frame, a U-shaped stirrup spanning the opening in said frame and adjustable longitudinally thereon, a circular band connecting the free upper ends of the stirrup, and a brace shaped to fit the curvature of a patient's leg and connected to the rear of said band and to said foot frame respectively, said apparatus forming a rigid structure with the cast when applied.

2,189,054

CASTING ZINC ALLOY

Arthur Burkhardt, Berlin-Lichterfelde, Germany, assignor to Georg Von Giesche's Erben, Breslau, Germany, a corporation of Germany

No Drawing. Application October 7, 1938, Serial No. 233,750. In Germany October 23, 1937
4 Claims. (Cl. 75—178)

1. A casting zinc alloy of constant dimensions, comprising copper from 1 to 10%, aluminium from about 0.05 to about 0.6%, and the remainder being substantially all zinc; the copper and the aluminium being proportioned at the rate of 17 to 19 parts of copper and 1 part of aluminium.

2,189,055

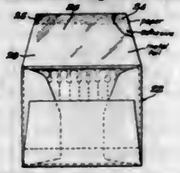
BOOK MATCH SHIPPING CONTAINER

James Cage, Valley Stream, N. Y., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware

Application April 24, 1937, Serial No. 138,703
2 Claims. (Cl. 206—29)

1. In combination, a book of matches and a

fire resistant shipping container therefor snugly encompassing the said book of matches, said container comprising a paper envelope which when closed has all inner surfaces lined with a continuous and uninterrupted lining of aluminum



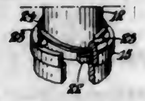
foil at least .00035" thick, whereby when any specific localized area of the envelope is subjected to heat the metal foil lining is adapted to rapidly conduct heat away from said specific area.

2,189,056

MEANS FOR ATTACHING A UNION NUT OR THE LIKE TO THE END OF ANOTHER MEMBER

Charles Molyneux Carington, London, England, assignor to K. L. G. Sparking Plugs Limited, London, England, a British company

Application May 6, 1938, Serial No. 206,489
In Great Britain June 23, 1937
1 Claim. (Cl. 287—91)



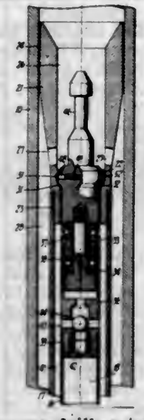
A joint, between a union nut and an inner member with respect to which the nut is rotatable, comprising an outwardly-directed castellated flange on the inner member lying behind an inwardly-directed castellated flange on the nut, the external diameter of the flange on the inner member being greater than the internal diameter of the flange on the nut and the castellations of each flange being capable of passing through gaps between the castellations of the other, and a split washer substantially surrounding the inner member and lying between the adjacent faces of the two flanges so as to prevent endwise separation between the nut and the inner member.

2,189,057

CORE DRILL

Leonard S. Copelin, Los Angeles, Calif.

Application December 11, 1937, Serial No. 179,329
13 Claims. (Cl. 255—72)



1. In a rotary core drill, a tubular drill stem, a cutter carried by the lower end of the drill stem, said cutter being adapted to form a central core, a core barrel within the drill stem and adapted to receive a core as formed by operation of the cutter, and means utilizing hydraulic pressure of drilling mud pumped down through the drill stem for retaining and supporting the core barrel in operative position, said last means including a head swivelly connected to the upper end of the core barrel and removable upwardly through the drill stem, the swivel connection between the barrel and the head forming the sole support for the barrel an enabling relative turning movement between the stem and the barrel.

2,189,058

TREATMENT OF HYDROCARBON OILS

Roland B. Day, Amarillo, Tex., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 14, 1937, Serial No. 136,789
6 Claims. (Cl. 196—36)

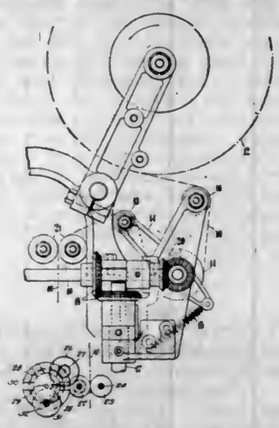
1. A process for refining hydrocarbon oils which comprises contacting the oil in the absence of hydrochloric acid with a dry, pre-formed solid reaction product of a zinc silicate and hydrochloric acid, said product being substantially devoid of free hydrochloric acid.

2,189,059

FEEDING OF WEB MATERIAL TO CIGARETTE TIPPING APPARATUS AND OTHER MACHINES

George Dearsley, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey

Application December 9, 1937, Serial No. 178,973
In Great Britain December 19, 1936
2 Claims. (Cl. 271—2.4)



1. Apparatus for feeding web material from a spool to severing mechanism, comprising feed rolls, means for imparting intermittent driving motion to the feed rolls, and a tensioning device intermediate the spool and feed rolls, said device comprising a drum disposed within, and contiguous to, a bight of said web, means to drive said drum positively at a peripheral speed greater than that of the speed at which said web is to be delivered to the severing mechanism, and a guide and tensioning roll movable in an arcuate path defining the delivery end of said bight, a carrier lever having an arm in the free end

of which said guide and tensioning roll is mounted for movement in said arcuate path, said carrier arm being mounted to oscillate around the axis of said drum, and said roll carrier having another arm, and a spring to bias said last-named arm to move said guide and tensioning roll against the web, thereby to maintain said bight yieldingly in slip contact with said drum.

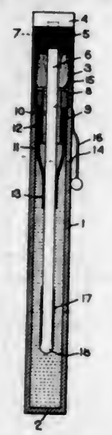
2,189,060
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 22, 1936, Serial No. 106,973
3 Claims. (Cl. 197—27)



1. In a portable light-duty typewriting machine having a platen and a full complement of swingable type bars having upper and lower case types; a type bar fulcruming segment inclining forwardly and downwardly from the platen substantially to the bottom of the machine so that the type bars in their rest positions incline upwardly and forwardly toward a level substantially no higher at their type ends than the top of the platen, and strike downwardly and rearwardly upon the platen, a system of key levers presenting a plurality of transverse key rows substantially no higher than the level of the top of the platen, said key levers being swingable about a common transverse fulcrum axis disposed forwardly of the type bar fulcruming segment in close proximity to the central type-bars at rest, a system of sub-levers having a common transverse horizontal fulcrum axis forwardly of and below said key lever axis, said sub-levers presenting substantially uniform upright type-bar-operating arms reaching above the key levers, a system of pull links individually connecting said sub-lever arms to corresponding type bars and reaching across the system of key levers and beneath the fulcrum axis thereof, a pin and single-sided cam-edge connection between each key lever and a corresponding sub-lever whereby the latter is driven by the key-lever in the printing-stroke of said key-lever, and a system of springs directly connected to the sub-levers to restore any operated type bar together with its sub-lever and key lever.

2,189,061
COMBINED CLINICAL THERMOMETER AND STERILIZER THEREFOR
Roy A. Faye, Watertown, and Alexis L. Draper, Dorchester, Mass.
Application April 8, 1938, Serial No. 200,968
5 Claims. (Cl. 206—16.6)

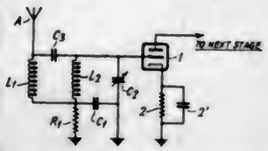
1. A clinical thermometer sterilizing device comprising a tubular casing to receive the thermometer having a closed bottom, and a removable cap, a short downwardly extending partition of elastic porous material dividing the casing into upper and lower sections and having a collapsible portion with a constricted opening at its lower end to permit insertion and withdrawal of the thermometer therethrough, and a sterilizing liquid substantially filling said lower section, said partition acting to permit displacement of liquid from the lower section into the upper section by the thermometer when introduced and restoration of the liquid to the lower section when the thermometer is withdrawn and thereafter effectively to prevent liquid from flowing from said casing.



2,189,062
PROCESS FOR THE SEPARATION OF PROPANE AND PROPYLENE FROM GAS MIXTURES
Paul Feiler, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 9, 1938, Serial No. 189,706. In Germany February 16, 1937
1 Claim. (Cl. 260—676)

A process for the recovery of at least one of the hydrocarbons propane and propylene from gas mixtures containing the same besides at least one of the other hydrocarbons methane, ethane and ethylene, which comprises washing the gas mixtures with liquefied normally gaseous chlorinated hydrocarbons and recovering the propane and propylene from the washing agent by known methods.

2,189,063
SIGNAL COUPLING NETWORK
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 17, 1937, Serial No. 174,928
16 Claims. (Cl. 250—20)

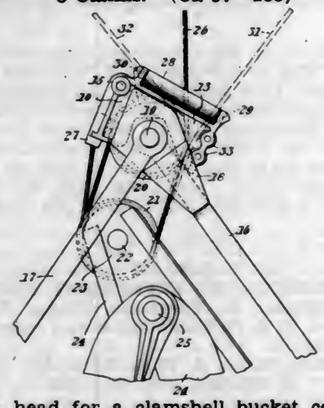


1. A coupling network for transmitting energy with substantially uniform gain from a source of signal energy to a resonant input circuit, said resonant circuit including a coil and means for varying its frequency over a wide frequency range, said network including a second coil connected to said source, condensive means coupling the high potential ends of the two coils, and an additional condensive means coupling the low potential ends of said coils.

2,189,064
HARD LEAD ALLOYS AND METHODS OF MAKING SUCH ALLOYS
Randall Gillis, La Grange, and Clarence T. Prendergast, Chicago, Ill., assignors to Western Electric Company Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 10, 1934, Serial No. 752,466
12 Claims. (Cl. 148—11.5)

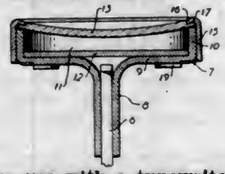
1. A work hardened lead alloy containing less than 1% calcium, said alloy being characterized by its permanent hardness induced by said work hardening.

2,189,065
HEAD FOR CLAMSHELL BUCKETS
Edward L. Harrington, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application August 24, 1938, Serial No. 226,496
5 Claims. (Cl. 37—183)



1. A head for a clamshell bucket comprising a main casting, corner bars hinged on a common pin, means supporting the pin on the casting, a closing line reeved about sheaves journaled on said pin, guide rollers so journaled on said casting that their axes are at a substantial angle to the horizontal when the bucket is closed and suspended, and an anchorage for a holding line, said anchorage and the greater portion of said rollers being on opposite sides of said pin.

2,189,066
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 12, 1938, Serial No. 207,558
2 Claims. (Cl. 197—102)



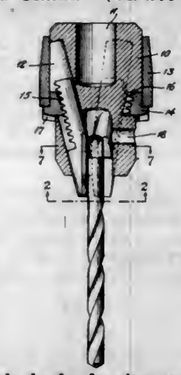
1. A key for use with a typewriter or the like, comprising in combination, a key-cup adapted for mounting as on a key-lever and presenting a peripheral rim defining a deep cylindrical recess, a disk having a type character on one face crowded into the cylindrical recess against the bottom thereof, a spherically formed transparent top-disk resting on said cup-rim in spaced relation to said character disk and presenting a concave upper face, and a key-cap having an inturned flange overlying a border of said top-disk, surrounding said key-cup and secured thereto, said type character having a corrective form to counteract a distorting effect of said spherical top-disk so as to present a character image in normal form to the view of the operator.

2,189,067
METHOD OF MAKING A SEWN AND CEMENTED ARTICLE
Rudolf F. Hlavaty, Cicero, Ill.
Application July 10, 1937, Serial No. 152,911
2 Claims. (Cl. 112—262)



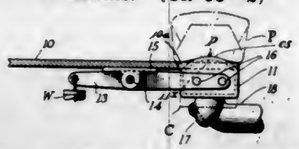
1. The method of joining a plurality of sheets of fibrous textile material which includes positioning a plurality of such sheets together for attachment by sewing, applying an unsolidified liquid cement to a fibrous thread, drawing the cemented thread through the sheets prior to the solidification of the applied liquid cement, and thereby drawing said cement with the thread through the apertures formed in the course of the sewing operation and impregnating not only the thread but the adjacent portions of the sheets with said cement, all prior to the solidification of the cement.

2,189,068
DRILL CHUCK
Minott P. Hubbell, Ashburnham, Mass.
Application April 15, 1938, Serial No. 202,146
1 Claim. (Cl. 279—62)



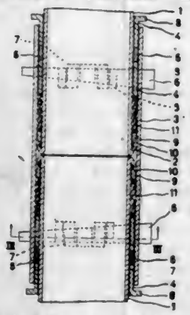
In a chuck body having symmetrically disposed converging cylindrical openings formed therein, jaws mounted within the cylindrical confines of said openings, means for adjusting the position of said jaws in said openings, one of said jaws having converging faces forming a work-engaging apex portion, at least one of the other jaws having two sets of angularly disposed faces, one set being constituted of converging faces forming a work-engaging apex portion, the other set being disposed in stepwise continuation of the other faces of the first set, one of the faces of the second set constituting a work-engaging face adapted to engage with the flattened end portion of a drill, all of the parts of each jaw lying wholly within the bounds of a cylindrical figure having a diameter equal to that of the cylindrical jaw openings.

2,189,069
SEALING MECHANISM FOR WRAPPING MACHINES
Thormod Jensen, Laurelton, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application August 28, 1937, Serial No. 161,404
2 Claims. (Cl. 93—2)



1. Sealing mechanism for a wrapping machine comprising mechanism adapted to wrap and hot-seal at a sealing station, and to advance past a chilling station, in a path traversing both of said stations, a series of loaves, some of which may have relatively flat bottoms, while other loaves of said series have hollow bottoms, said wrappers having margins overlapped on said hollow bottoms, and having a component responsive to thermal changes; cold sealing mechanism at said chilling station comprising a tank having an arched top and formed with a chamber for the circulation of a liquid refrigerant such as brine into said arched top in liquid contact with the wall element engaging the loaf, said tank top being adapted to cold-iron said bottom seams on said loaves, whether said bottoms are hollow or flat; means to support said tank movably at said chilling station, including a pivoted arm on which said tank is mounted non-rotatively in position to swing bodily toward and away from said path, said arm having means to produce pressure of said tank against the wrapper seams; and flexible ducts adapted to connect said tank with a source of liquid refrigerant such as brine, for circulation through said chamber exerting a chilling effect closely adjacent to the portion of the wrapper entering said hollow portion of the loaf, said tank swinging into frictionally effective cold-ironing contact with said wrapper seam regardless of the curvature of the mutually contiguous portions of the loaf and wrapper.

2,189,070
PIPE JOINT
Johan Friedrich Köhnke, Haarlem, Netherlands
Application May 3, 1938, Serial No. 205,677
In the Netherlands July 17, 1936
2 Claims. (Cl. 285—182)



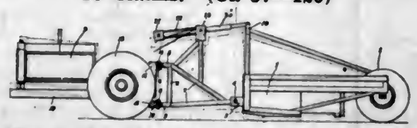
1. In a pipe joint in combination, a pipe having a rebent flange surrounding the end of the pipe, said flange forming with said pipe a groove extending substantially parallel to the pipe wall, a packing ring of wedge-shaped cross-section projecting into the groove between said pipe and said flange, a sleeve surrounding the pipe ends to be joined together and means for forcing said wedge-shaped ring into said groove and said flange against the inner wall of said sleeve.

2,189,071
APPARATUS FOR THE MANUFACTURE OF CONCRETE PIPE
George W. Kopp, Hicksville, N. Y.
Application October 21, 1936, Serial No. 106,747
15 Claims. (Cl. 25—30)



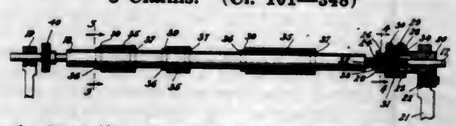
1. A form for the centrifugal manufacture of concrete pipe or the like, said form comprising a split inner form which holds the concrete during the spinning operation, a permanently integrated frame surrounding said inner form, and means on the frame adapted to connect with the split inner form and operable to pull at least a part of said inner form away from the surface of a pipe to facilitate stripping of the form from the pipe.

2,189,072
TRACTOR AND IMPLEMENT UNIT
Robert Gilmore Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application March 4, 1938, Serial No. 193,913
16 Claims. (Cl. 37—126)



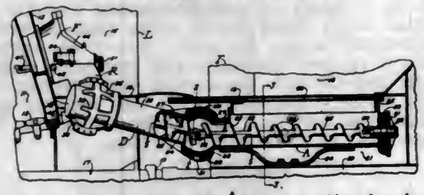
1. In combination as a unit, a vehicle body having a set of supporting wheels arranged to enable the body to tilt at its forward end about the wheels as an axis, a tractor having a pair of wheels about which the tractor may tilt, a draft unit connected to the tractor and inflexible in relation thereto as to movement in a vertical plane and pivoted at its rear end on the front end of the body for relative tilting movement in a vertical longitudinal plane and means between the draft unit and body to control the tilting of the body.

2,189,073
VIBRATOR ROLLER FOR PRINTING PRESSES
Jesse Levine, New York, N. Y.
Application April 27, 1938, Serial No. 204,513
3 Claims. (Cl. 101—348)



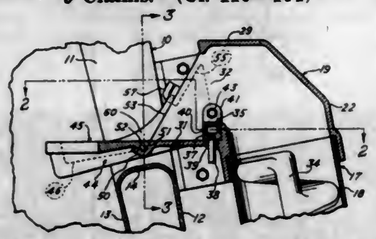
1. A sectional roller for color printing comprising, a shaft, means for mounting said shaft for rotative movement, said mounting means including a threaded portion on the shaft, a threaded bushing in which the threaded portion of the shaft is mounted, a cylindrical holder within which the bushing is concentrically held and by which the bushing is enclosed, a bracket in which said holder is mounted, said holder having a wall portion cut away, and a flat spring disposed in the cut-away portion of the wall of the holder and having its ends fixedly attached to said holder and its intermediate portion resiliently bearing against the periphery of the bushing to resiliently resist rotative movement of the same within the holder.

2,189,074
LOCOMOTIVE FUEL CONVEYER
Henry E. Lippert, Pittsburgh, Pa.
Application April 22, 1935, Serial No. 17,607
Renewed August 27, 1938
19 Claims. (Cl. 198—15)



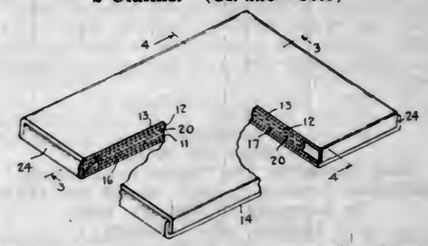
1. In a fuel conveyer for a locomotive having a firebox, a delivery conduit, a riser conduit arranged to direct fuel to a position for its distribution over the firebed in the firebox, said conduits communicating with each other, said riser conduit curving laterally and upwardly from the delivery conduit, and a helical screw within the delivery conduit constituting the sole means for impelling fuel therethrough and forcing it through the riser conduit, said screw having a reverse vane thereon at the communicating ends of said conduits and being arranged to normally rotate in such direction that the lower portion thereof at the delivery end moves toward the lower end of said riser conduit to discharge the fuel from its underside and transversely of its axis from one conduit into the other.

2,189,075
FUEL DISTRIBUTING APPARATUS
Henry E. Lippert, Pittsburgh, Pa.
Application March 26, 1936, Serial No. 70,963
9 Claims. (Cl. 110—104)



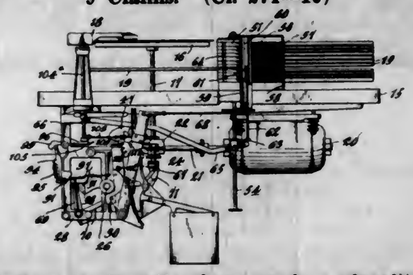
8. In a stoker, a conduit member having a mouth portion provided with a bottom wall, a front end distributor section forming with said bottom wall a distributor plate arranged to receive fuel for distribution over a fire, means for directing said front end distributor section into its operative position, said front end distributor section being provided on each side of its rear end with an interengaging element, an upwardly open hook shaped lug on each side of said conduit member forming the other interengaging elements, each of said lugs being arranged to receive the respective interengaging element on said front end distributor section upon downward movement of the latter into its operative position, and means for discharging fuel over said plate.

2,189,076
FOLDING SHIPPING CASE
Joseph Liskin, Brooklyn, N. Y., assignor to Standard Corrugated Case Corporation, New York, N. Y., a corporation of New York
Application November 29, 1938, Serial No. 242,875
2 Claims. (Cl. 229—87.5)



2. A folder comprising four panels of corrugated paper board in line and hinged together along their longitudinal edges so that they can be folded to form a package, said panels including a holder panel with flaps that fold over it to form a pocket that is shorter and narrower than the other panels, a main panel that folds against one side of the pocket, a cover panel that folds back against the other side of the pocket, a second cover panel that folds back over the main panel, and end flaps that are hinged to the ends of the second cover panel and tuck in under the main panel between the main panel and the first cover panel to close the ends of the package and hold the package closed.

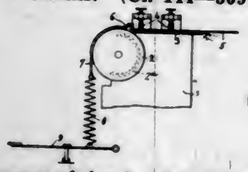
2,189,077
AUTOMATIC PHONOGRAPH
Howard F. Maurer, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application August 27, 1937, Serial No. 161,305
9 Claims. (Cl. 274—10)



9. In an automatic phonograph, a plurality of record carriers selectively movable to and from a record-playing position, and means for controlling the selection of records comprising a combined rotatable and axially-shiftable member, a plurality of individual means corresponding in number to the record carriers and selectively movable to positions for operative engagement with and to stop the rotation of said rotatable member at predetermined selective positions, means engageable with said rotatable member for shifting it axially in one direction

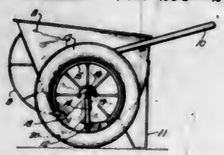
at a predetermined time to restore the then operatively-engaged individual selecting means to its initial non-selective position, means operatively connected with said rotatable member for yieldingly urging it in the opposite direction, a wheel movable with said rotatable member and having bevel-ended teeth thereon corresponding in number to the individual selector means, a lever having a tooth-like element thereon movable at predetermined times into and out of latching engagement with said toothed wheel, and means operatively connected with said lever for governing its movements, said tooth-like element during its latching stroke, encountering a corresponding beveled edge of one of the wheel-teeth to turn it and said rotatable member in a direction to free the latter from engagement with a given individual selector means.

2,189,078
BENDING OF WOOD
Karl Michaëlis, The Hague, Netherlands
Application October 8, 1937, Serial No. 168,035
In Germany October 15, 1936
7 Claims. (Cl. 144—309)



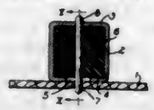
1. The process of dry-bending wood panels and the like, which comprises preheating uniformly the inner side of substantially the entire part to be bent of an inwardly dry panel so as to build up therein a temperature gradient with the higher temperature on the inner side of said part whereby to render the wood on said inner side compressible, and immediately thereafter and while the wood on said inner side still retains substantially said temperature, bending the part thus preheated.

2,189,079
CART
Wesley J. Mueller, West Allis, and Irving R. Smith, Milwaukee, Wis., assignors to Sterling Wheelbarrow Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 27, 1939, Serial No. 253,088
9 Claims. (Cl. 298—2)



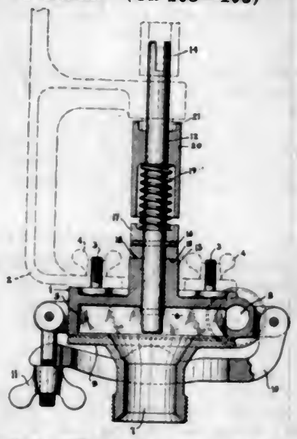
1. In a cart, a body portion forming a receptacle, wheel supporting means, a wheel rotatably mounted on each side of said supporting means with the body therebetween, means for pivotally connecting said wheel supporting means to said body intermediate the length of said body, the axis of said pivotal connection being below the axis of said wheels when the body is upright, and a projection on the body engageable with the wheel supporting means when the body is tilted in a forward direction for causing the wheel supporting means to move with the body on the wheel axis until a portion of the body strikes the ground, the body being further tiltable while in contact with the ground, and the distance between the wheel axis and the axis of the pivotal connection between the body and the wheel supporting means being such as to permit the wheels to remain by gravity on the ground during such further tilting of the body to a position at substantially right angles to normal.

2,189,080
CONVEYER CANVAS
Joseph E. Novak, Berwyn, Ill.
Application June 11, 1938, Serial No. 213,207
5 Claims. (Cl. 198—199)



1. In a binder canvas mechanism including a canvas strip, filled metal cross slats mounted transversely across the outer face of the canvas strip at spaced intervals, and fastening staples projecting through the canvas and through the filled metal cross slats, with the ends of said staples bent over and tightly clamped against the outer faces of the metal cross slats.

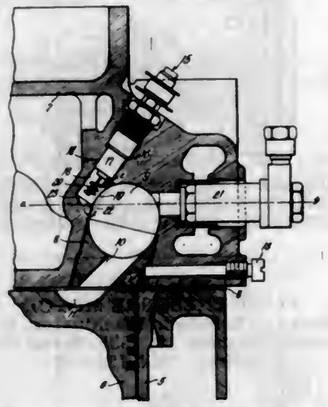
2,189,081
CENTRIFUGAL PUMP
Edwin J. Otken, Brooklyn, N. Y., assignor to Good Humor Corporation of America, Brooklyn, N. Y., a corporation of Ohio
Application October 19, 1938, Serial No. 235,749
1 Claim. (Cl. 103—103)



A pump for milk and other dairy products, which includes a pump-housing attached to a support by manually-removable fastenings, an impeller chamber in said housing, a shaft bearing in one side of said housing, a shaft rotatably mounted in said bearing and projecting into said impeller chamber, an impeller in said chamber operably associated with the end of said shaft projecting thereinto, a manually-openable closure closing the other side of said housing, a sleeve attached to said shaft and making a substantially liquid-tight joint with the end of the bearing in said housing, another sleeve slidably mounted on said shaft and engageable at one end with said support, a spring surrounding said shaft and positioned under tension between said sleeves so as to urge said first-mentioned sleeve against the end of said bearing, and a coupling between said

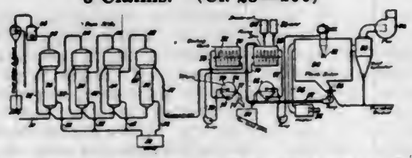
shaft and a source of motive power which will permit the shaft to be uncoupled from said source of power and from said impeller and to be removed from said pump housing when said pump housing is disconnected from the support.

2,189,082
INJECTION ENGINE
Arthur W. Pope, Jr., Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin
Application September 16, 1938, Serial No. 230,311
1 Claim. (Cl. 123—32)



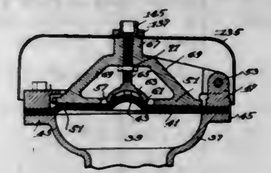
In an injection engine, a cylinder and a piston operating therein, a head overlying said cylinder, a substantially spherical combustion chamber in said head opening into said cylinder through a restricted passage the upper end of which opens into said combustion chamber at the lower portion of and substantially tangent to one side thereof, an injection nozzle having a tip at said one side of said combustion chamber directly above said passage substantially in the vertical plane of the latter and disposed to inject a stream of fuel across said combustion chamber toward the opposite side thereof, said head having a pocket communicating with said combustion chamber at said opposite side thereof through an opening in a plane of a chord of said combustion chamber and substantially aligned transversely of the latter with the tip of said nozzle and said fuel stream, and electrical ignition means disposed within said pocket and wholly exterior of said combustion chamber.

2,189,083
DISPOSAL PROCESS FOR THE TREATMENT OF WEAK AMMONIACAL WASTE LIQUORS FROM COAL DISTILLATION PLANTS
William O. Renkin, New York, N. Y., assignor to Lancaster Iron Works, Inc., Lancaster, Pa., a corporation of Pennsylvania
Application October 23, 1937, Serial No. 170,578
8 Claims. (Cl. 23—100)



6. A disposal process for the treatment of weak ammoniacal waste liquors from coal distillation plants, containing tar, insoluble solids, soluble salts and other impurities and in which the major portion of the ammonia is present as ammonium chloride, which consists in passing the liquor through a series of flash stills to concentrate it and at a sufficiently high speed to prevent segregation and precipitation of the tars and insoluble solids, filtering the concentrate to remove tar and insoluble solids, and flashing the moisture in the filtrate by spraying it into a stream of heated gaseous material to remove the moisture in the form of clean water and water vapor and to precipitate the soluble salts as dry powder, consisting largely of ammonium chloride, dissolving the dry powder to form a concentrated solution, adding activated carbon, filtering the concentrate to remove the activated carbon and certain impurities adsorbed therein, and again flashing the moisture in the filtrate to precipitate the soluble salts as dry powder, consisting largely of ammonium chloride of improved quality, and increase the size of the particles thereof.

2,189,084
RELIEF VALVE
William Dana Schanck, Rochester, N. Y., assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application December 31, 1938, Serial No. 248,720
7 Claims. (Cl. 137—53)



1. A relief valve including a diaphragm of resilient flexible material having an area normally lying approximately in a plane when fluid pressures acting on opposite sides of said area are equal and having a slit in said area, said slit being normally closed when said fluid pressures on opposite sides of said area are equal and being opened by displacement of that part of the diaphragm immediately around said slit in response to differences in fluid pressure on opposite sides of the diaphragm, clamping means for clamping said diaphragm around substantially all sides of said plane area, and means for adjusting the pressure difference necessary to open said slit in one direction.

2,189,085
TOY PARACHUTE
John Schmalz, Chicago, Ill.
Application October 29, 1938, Serial No. 237,701
1 Claim. (Cl. 46—86)

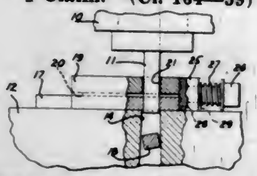
A toy parachute consisting of a sheet of thin flexible material having cords secured to and extending in spaced relation from its edge portions and being joined at their outer ends, an oblong body having a guide channel extending longitudinally thereof, means connecting said joined cord ends with the body, an elastic band having its ends secured to opposite parts of and near one end of said body, whereby said parachute is adapted to be folded with the cords around it and held in place against the main part of the body by means of the band, and a guide shaft slidable in said channel, its one end being adapted to engage the intermediate part of the band while its other end is held in the hand, whereby to slide the body with the other hand along the

shaft and extend the band, for shooting the body with the band and the parachute held securely



folded therebetween a substantial distance into the air.

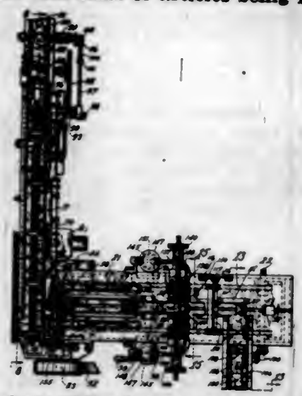
2,189,086
MATERIAL WORKING APPARATUS
Martin J. Seagren, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1937, Serial No. 152,735
1 Claim. (Cl. 164—59)



In an apparatus for working heavy metal stock or parts close to an edge thereof, a reciprocative punch, a cooperating die member aligned with the punch, and a stop device for the part against which the same is abutted in positioning the part to be worked comprising a reciprocably mounted bar, an abutment for maintaining said bar in a predetermined stop position, and resilient means effective to constantly urge said bar against said abutment but permitting the bar to move along a rectilinear line solely in response to a bulging of the part at said edge thereof during the working of the part to prevent deformation of the punch.

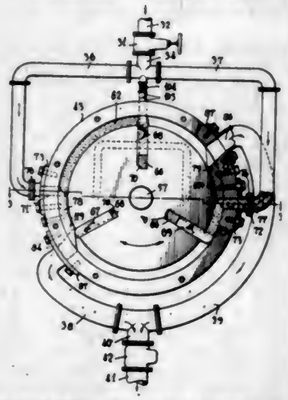
2,189,087
CONTINUOUS MOTION WRAPPING MACHINE
Elmer L. Smith, Longmeadow, and Carlton Wetsel, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application July 28, 1936, Serial No. 92,972
7 Claims. (Cl. 93—2)

1. A wrapping machine comprising two wrapper folding channels at right angles to each other, a continuously moving series of article forwarding pushers passing through the first channel and each having a forwardly extending portion, the first channel and said pushers being so coordinated that as an article and wrapper are forwarded through said channel by each of said pushers the wrapper will be folded around five sides of the article and around the forwardly extending portion of said pusher, a second series of continuously moving article forwarding pushers carrying the articles through the second channel, and supplementary article forwarding means contacting the rear sides of articles being forwarded



by the pushers of the first series and moving said articles ahead of said pushers into position to be received by the pushers of the second series.

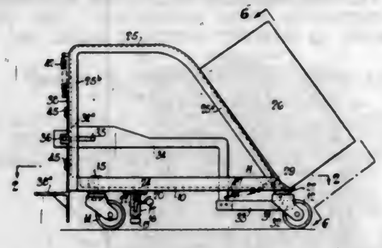
2,189,088
FLUID PRESSURE MOTOR
Ernest L. Thompson, Washington, D. C.
Application November 29, 1935, Serial No. 52,271
2 Claims. (Cl. 121—92)



1. An expansible two-piece blade for a fluid pressure actuated rotor, one piece extending full width and having frontal and lateral recesses, and the other having portions slidable in each recess to prevent leakage.

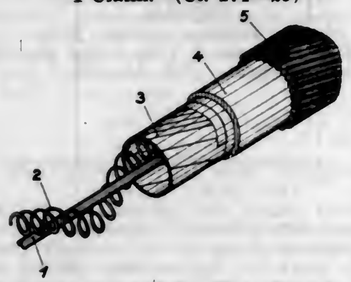
2,189,089
TRUCK
Weaver W. Tripp and Russell H. Kale, Mebane, N. C.
Application April 5, 1937, Serial No. 135,015
1 Claim. (Cl. 280—49)

A wheeled truck having a triangular bottom portion, an upwardly and rearwardly inclined portion secured to the front end of said bottom portion, a member pivoted at its upper edge and having its lower portion projecting outwardly through the plane occupied by said inclined portion, a link pivoted at its forward end to said pivoted member, a projection on the rear end of said link, a sliding member for engaging said projection to prevent rearward movement of said link, tension means tending to move said sliding member upwardly, a pair of wheels disposed be-



low the front end of said truck, and a swiveled wheel disposed below the rear end of said truck.

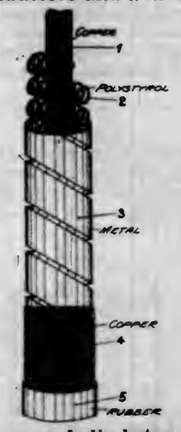
2,189,090
HIGH FREQUENCY SIGNALING CABLE
Franz Unterbusch, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application October 26, 1936, Serial No. 107,671
In Germany October 30, 1935
1 Claim. (Cl. 174—29)



An electrical high frequency cable wherein the stresses tending to buckle the elements of the cable are avoided comprising, a central metal conductor, a second conductor arranged over and substantially concentric with respect to the first conductor, yieldable insulating means consisting of a flexible spacer element interposed between said conductors providing air space insulation between the conductors which space may be altered during bending of the conductors, said second conductor consisting of a plurality of metal bands helically arranged adjacent each other, a lead sheath covering the second conductor, an outer armouring consisting of a plurality of helically arranged wires, said metal bands and the wires extending along the length of the conductors with the same direction of lay whereby the stresses set up in the metal bands and the wires during bending and twisting are substantially equal and buckling of the bands with respect to the wires is avoided.

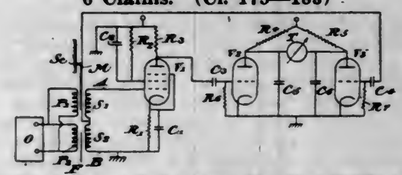
2,189,091
FLEXIBLE HIGH FREQUENCY CABLE
Franz Unterbusch, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany
Application November 7, 1936, Serial No. 109,763
In Germany December 2, 1935
1 Claim. (Cl. 174—29)

A flexible high frequency cable having an inner conductor, an outer tubular conductor concentric therewith and consisting of a wire braiding, a solid insulating material applied in such a manner as to provide a substantial airspace between the said two conductors and a metal band wound



in the form of an open helix between the said airspace insulation and the said outer tubular conductor of wire braiding, said helically wound metal band supporting the wire braiding conductor.

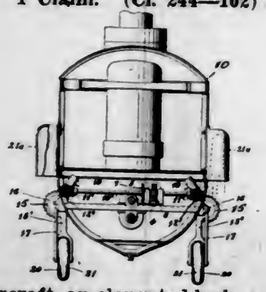
2,189,092
APPARATUS FOR MEASURING THE THICKNESS OF FOILS
Ladislaus Urményi, Bern, Switzerland
Application August 17, 1936, Serial No. 96,399½
In Switzerland June 28, 1935
6 Claims. (Cl. 175—183)



1. In a device for measuring the thickness of foils or sheet metal the combination of a source of alternating current of two pairs of coils of which the two primary coils are connected to the said source of alternating current and are fed with alternating current and the two secondary coils are connected in series, of the foil or sheet metal to be measured being brought between the primary and secondary coil of the one pair of coils whereby the eddy currents created in the foil alter the amplitude and the phase of the voltage induced in the secondary coil, of a regulating member adapted to regulate the amplitude and the phase of the voltage of the secondary coil of the second pair of coils in such a manner that the voltage in the secondary coil of the second pair of coils becomes approximately opposite in phase to the secondary voltage of the first pair of coils and the amplitude of the voltage in the secondary coil of the second pair of coils becomes as high as it is necessary to keep constant the sum of the two secondary voltages connected in series which sum may also have the value zero, and of an electrical bridge comprising two electron tubes each one working as a rectifier, the anode circuit of each of the said tubes comprising an anode load resistance, a current meter connected between the two anodes of said tubes, the secondary coils being connected to one of said tubes adapted to rectify

said sum of the secondary voltages, the other one of said tubes being connected to said source of alternating current adapted to obtain and rectify a constant comparison alternating voltage, the position of said regulating member indicating the thickness of the foil or sheet metal to be measured when the measurement indicates that both of the voltages connected to said rectifier tubes are equal, in which case no current flows through said current meter.

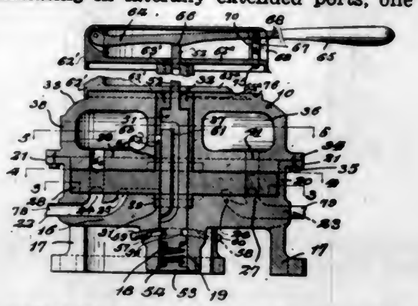
2,189,093
LANDING GEAR FOR AIRCRAFT
Charles E. Weaver, Watertown, N. Y.
Application November 30, 1937, Serial No. 177,363
1 Claim. (Cl. 244—102)



In an aircraft, an elongated body, spaced bearings on the longitudinal sides of the body, an arm swingably mounted in each bearing, each arm having a revoluble buoyant wheel, a gear segment on each arm, a revoluble shaft journalled along each longitudinal side of the body, a gear on the ends of the shafts in mesh with respective gear segments, a bevel gear fixed to each shaft, a revoluble shaft transversely of the body, and having a bevel gear in mesh with respective first named bevel gears, a pinion on the transverse shaft, a gear drive associated with the transverse shaft, a visual indicator means connected to the gear drive, an air cylinder, a piston therein having a toothed rack bar, the teeth thereof being in mesh with the pinion of the transverse shaft, said cylinder having a hose connection at the ends for admission and exhaust of air for reciprocating the piston, a notched segment associated with each segmental gear, a cylinder adjacent each arm, each cylinder having a spring-pressed piston, the rod of which is selectively engageable with the notches of the segment, the cylinders having air inlet means below the piston whereby to admit air to release the rod from an engaged notch.

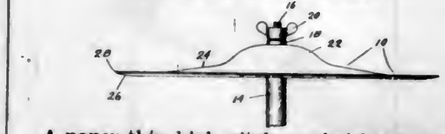
2,189,094
VALVE FOR CONTROLLING LANDING GEAR OF AIRCRAFT
Charles E. Weaver, Watertown, N. Y.
Application February 17, 1938, Serial No. 191,084
9 Claims. (Cl. 277—50)

1. A valve for control of landing gear of air craft comprising a base having an annular upstanding flange, a disk valve rotatably mounted upon the upper face of the base within the flange, a pair of air ports in the base, each port having branched ports opening upon the valve, the valve having ports in registry with the branched ports of the base at times, an air pressure chamber fixed to the flange, the air pressure chamber having an axial hub defining a bore for receiving a hub of the disk valve therethrough and further having air ports in the bottom wall thereof for registry with ports of the disk valve at times, a reciprocable valve within the hub of the disk valve, aligned ports between the hub of the air chamber and the hub of the disk valve, said reciprocable valve having an axial port terminating in laterally extended ports, one of



the ports adapted to register with aligned ports of the hubs of the air chamber and disk upon reciprocation of the reciprocating valve, and a port formed in the base adapted to align with the other laterally extended port upon reciprocation of the valve.

2,189,095
CYMBAL
Avedis Zildjian, Quincy, Mass.
Application February 7, 1938, Serial No. 189,076
1 Claim. (Cl. 84—402)



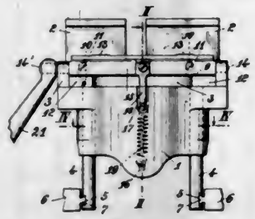
A paper thin high pitch cymbal having a flattened shallow resonant conical body provided with an upwardly flaring edge portion and a central resonant shallow dome gradually rising above the conical body and gradually rounding over at the top where it is provided with a support-hole therethrough, said dome providing a low tone discernible in the latter part of the audible-vibrations of the cymbal and the upwardly flaring edge portion providing a high pitch crash sound, a vertical standard on which said cymbal is supported, said standard having a smaller diameter stud passed loosely through said support-hole, and a soft yielding disc on said stud under said cymbal and on which said cymbal rests loosely, the cymbal being free to tilt on said disc and to vibrate thereat.

2,189,096
WATCH BRACELET
Vera Alonge, New York, N. Y.
Application July 7, 1938, Serial No. 217,979
4 Claims. (Cl. 224—4)
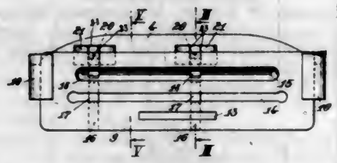


1. A bracelet watch-holder comprising a bracelet, an aperture through the front portion thereof to provide a socket adapted to removably receive a watch, and a yielding retaining member fixed to said bracelet and covering a portion of the under side of said socket whereby the passageway for the watch may be opened sufficiently for the transit of said watch therethrough.

2,189,097
MATRIX SETTING AND TYPE-LINE-CASTING MACHINE
Kurt Bendorff, Berlin, Germany, assignor to the firm Typograph G. m. b. H., Berlin, Germany
Application February 6, 1939, Serial No. 254,958
In Germany February 16, 1938
12 Claims. (Cl. 199—60)



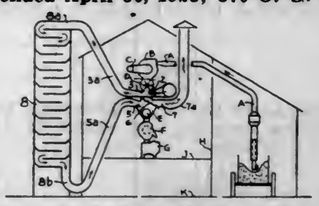
1. A type line ejecting device for matrix setting and type line casting machines including supporting means, an ejecting plate vertically disposed on and removably interengaged with said supporting means, and manually operable spring pressed clamping means for releasably exerting downward and inward pressure on and for holding said ejecting plate in an upright position on the supporting means.

2,189,098
MATRIX-SETTING AND TYPE LINE-CASTING MACHINE
Kurt Bendorff, Berlin, Otto Bieber, Berlin-Lichterfelde, and Kurt Dahnert, Berlin-Carow, Germany, assignors to the firm Typograph G. m. b. H., Berlin, Germany
Application May 25, 1939, Serial No. 275,736
In Germany September 24, 1938
8 Claims. (Cl. 199—54)



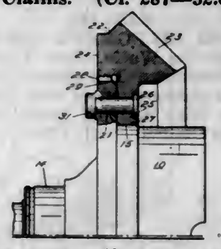
1. Apparatus for the production of completely cast type-line bodies, comprising a mould, a slot in said mould for the reception of molten metal, an intermediate plate displaceable along the face of said mould, a casting slot in said plate cooperating with said mould slot for the introduction of molten metal to said mould slot, the cooperating faces of said mould and said intermediate plate on one side of said mould slot being off-set with respect to the cooperating faces on the other side of said slot, whereby a ledge is formed on the base of the cast type-line body, means slidably mounted on the inner face of said intermediate plate for producing a transverse foot intermediate the ends of the cast type-line body, said foot extending across the entire thickness of said cast body and connected at an equal level to said ledge, and means for controlling the extent of movement of said slidable means during the displacement of said intermediate plate, for ejecting the waste.

2,189,099
DRYING SYSTEM FOR SEED COTTON
Charles Abel Bennett, Stoneville, Miss., dedicated to the free use of the People of the United States of America
Application October 15, 1937, Serial No. 169,158
1 Claim. (Cl. 34—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An improved apparatus for conveying seed cotton to a distributor either directly or through a drier comprising the combination with a drier, a distributor, a source of hot air under pressure, and an air seal dropper, said dropper having a vacuum wheel and a gravity outlet communicating with said wheel; of a chamber hermetically secured to the bottom of said outlet, a valved passage through the bottom of said chamber communicating with the inlet of said distributor and the outlet of said drier, a removable foraminous wall between said passage and both the outlet of said distributor and the outlet of said drier, said chamber having a horizontal outlet communicating with the intake of said drier, and a horizontal nozzle inlet, opposite the outlet, connected to said source of air under pressure.

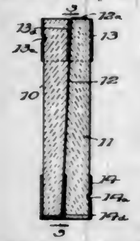
2,189,100
GEAR MOUNTING
Lawrence Ray Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application August 6, 1936, Serial No. 94,685
2 Claims. (Cl. 287—52.05)



1. In a gear mounting, a gear supporting member having a radially extending flange, said flange being provided on one side with a backing surface and having a plurality of spline teeth on its periphery, said member also having a portion providing a smooth, substantially cylindrical, outwardly facing piloting surface axially offset to one side of said flange and adjacent to said backing surface, said piloting surface having a diameter which is materially smaller than that of the periphery of said flange; a bevel gear having outwardly facing bevel teeth and an inwardly projecting radial flange seated against said backing surface and provided at its inner edge with a cylindrical surface closely fitting over the piloting surface of said member; a plurality of aligned apertures in said gear flange and said supporting member flange arranged inwardly a substantial distance from the periphery of said supporting member flange; and securing

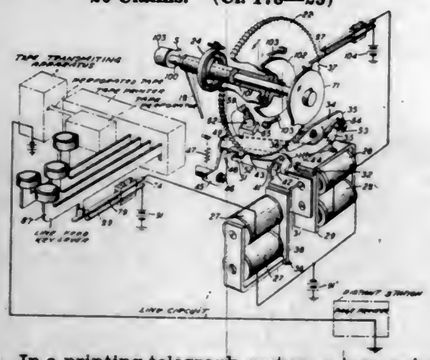
means extending through, and snugly fitting in, said apertures; said gear being also provided with a plurality of internal spline teeth interlocked with the spline teeth on the periphery of said supporting member flange, said interlocked spline teeth closely interfitting in substantially a force fit, whereby, said interlocked spline teeth function as secondary piloting surfaces to assist in supporting said gear against radial loads and assume all torque stress in said mounting.

2,189,101
FUSE
Bennie Louis Carter, Washington, D. C.
Application June 10, 1938, Serial No. 212,977
7 Claims. (Cl. 200—131)



1. A renewable cartridge fuse, comprising: a pair of wedge-shaped dielectric segment members similarly externally tapered and complementarily associable side-by-side to constitute a separable barrel, a socket member carried by the butt portion of each segment member and within which socket member the thin end of the complementary wedge-shaped segment member is detachably wedgedly receivable, and electrical contact means set into an end portion of each segment member, to constitute a portion of the barrel cleavage surface and positively engage a conventional fusible strip interposed between said segment members when wedgedly socket-assembled.

2,189,102
PRINTING TELEGRAPH APPARATUS
Donald Fraser De Wolfe, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 3, 1938, Serial No. 205,822
20 Claims. (Cl. 178—25)



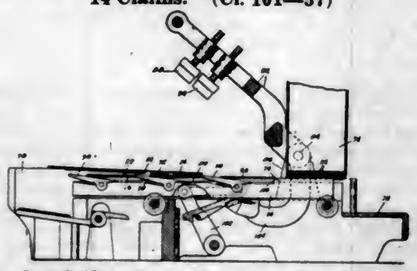
1. In a printing telegraph system, a tape printer, a source of signal potential connected to said tape printer, a page printer, a signal transmission medium interconnecting said printers, a line-feed signal key forming a part of said tape printer for causing a line feed signal to be sent from said source to said page printer and a counting device connected to said tape printer and electrically controlled by said line-feed signal key for counting and indicating the line-feed signals transmitted to said page printer.

2,189,103
TESTING TOOL FOR WELLS
Harold E. Dripps and Henry Rauser, Lake Charles, La.
Application November 10, 1938, Serial No. 239,779
11 Claims. (Cl. 166—1)



1. A testing tool for wells comprising a string of tubing; a packer and valve assembly carried by said string having an inlet passageway to establish communication with the interior of the string and having a packer to form a seal with the walls of the well, said assembly also having inlet valve means normally closing said passageway; a flow tube, means arranged to interlock said tube with the string whereby upon vertical movement of the string the tube will be actuated to open the inlet valve means.

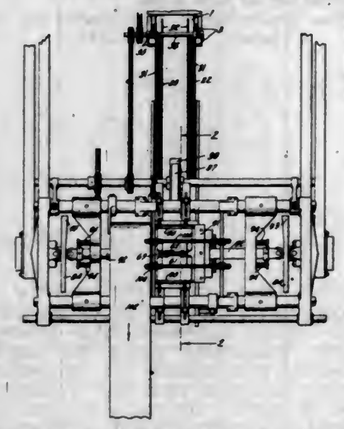
2,189,104
RECORD PRINTING PLATE FOR ADDRESSING MACHINES
Harmon P. Elliott, Watertown, Mass.
Original application April 18, 1936, Serial No. 75,118. Divided and this application March 22, 1938, Serial No. 197,386
14 Claims. (Cl. 101—57)



1. A printing device for recording an address and statistical item indicia, said printing device comprising a frame having address printing characters and means providing a statistical item area adapted to receive printing characters in different predetermined zones thereof, and raised printing characters located in said area.

11. In a printing machine, a printing device having address printing characters and statistical item printing characters disposed in positions which denote the nature of the statistical items corresponding thereto, means for directly printing the address of the device, and means for directly printing an impression of statistical item printing characters of the device.

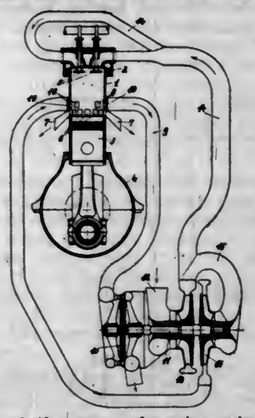
2,189,105
BOX FORMING MACHINE
Benjamin Evans, Albany, and Henry L. Metzger, Castleton on Hudson, N. Y., assignors to Fort Orange Paper Company, Castleton on Hudson, N. Y., a corporation of New York
Application September 2, 1938, Serial No. 228,078
31 Claims. (Cl. 93—51)



1. In a machine adapted to form receptacles from flexible blanks, the combination with slightly spaced blank supports of a dividing element cooperating therewith, and means for effecting a relative movement of said supports and said element in a direction towards each other with said blank between to force the central portion only of said blank into the space between said supports and into a position susbtantially normal to the adjacent portions forming the major part of the blank.

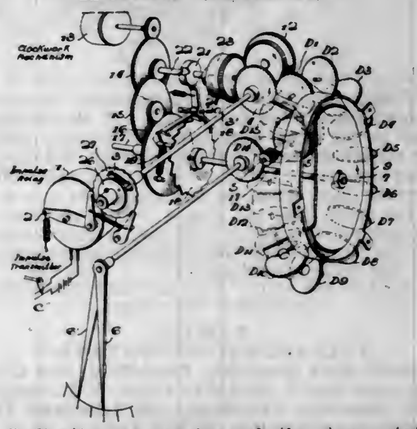
2,189,106
INTERNAL COMBUSTION ENGINE
Alexander Garve and Oskar Kurtz, Augsburg, Germany, assignors to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany, a corporation of Germany
Application August 8, 1938, Serial No. 223,672
In Germany August 10, 1937
4 Claims. (Cl. 60—13)

4. A two-cycle internal combustion engine having a number of working cylinders disposed in a multiplicity of rows laterally spaced apart, pistons operable in said cylinders, said cylinders having exhaust ports adjacent one end of the cylinders and arranged to be covered and uncovered by the pistons, scavenging air inlet openings at the other end of the cylinders, said cylinders also having additional openings for supplying supercharging air to the cylinders and arranged to be covered and uncovered by the pistons, a turbine driven blower for separately supplying relatively low pressure scavenging air and relatively high pressure supercharging air respectively to the scavenging air inlet openings and the additional supercharging air openings, exhaust pipings leading from the said exhaust ports to the turbine and arranged on the outer sides of each of the rows of cylinders, and independent air pipings disposed one outwardly of the other between the rows of cylinders and extending from the blower to the scavenging air inlet



openings and the supercharging air inlet openings.

2,189,107
INDICATING APPARATUS
Robert Howe Gould, Johannesburg, Transvaal, Union of South Africa
Application December 2, 1938, Serial No. 243,653
In Germany November 27, 1937
11 Claims. (Cl. 171—34)



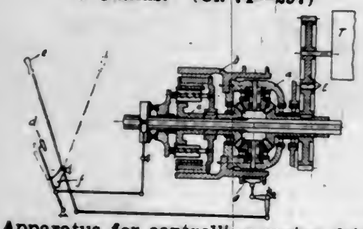
4. Indicating apparatus of the type stated comprising a driver gear, means for intermittently driving said gear by uniform increments, indicating mechanism including a driven gear, and accumulator means for coupling said gears; said accumulator means comprising a rotatable support, a plurality of accumulator gears on said support, stop means determining an initial zero position for each accumulator gear, time-controlled means for rotating said support to bring each accumulator gear in succession into two closely adjacent operative positions in uniformly repeated cycles of fixed dwell intervals, each accumulator gear meshing with said driven gear in its first operative position and meshing with both said driver and said driven gears in its second operative position, means locking said accumulator gears against rotation during movement from said second positon back to said first position, and means for resetting each accumulator gear to zero position upon reaching the first operating position.

2,189,108
REINFORCED-CONCRETE STRUCTURE
Heinrich Griesel, Berlin, Germany
Application January 22, 1938, Serial No. 186,418
In Germany January 23, 1937
13 Claims. (Cl. 72—65)



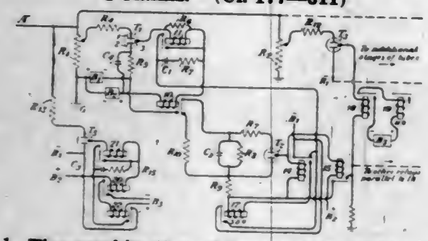
1. In a reinforced-concrete structure, hollow beams having upwardly converging abutment faces at both sides, steel insertions in the beams, slabs having abutment faces at their sides to fit the abutment faces of the beams, and steel insertions in the slabs projecting beyond their abutment faces and connected together above the beams.

2,189,109
MOTOR VEHICLE TRANSMISSION
Oskar Hacker, Steyr, Austria, assignor to Steyr-Daimler-Puch A. G., Steyr, Austria
Application January 14, 1938, Serial No. 185,046
In Austria May 15, 1937
3 Claims. (Cl. 74—297)



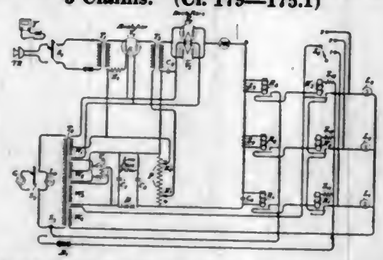
1. Apparatus for controlling motor driven vehicles having a hydraulic gear and an additional gear in the drive comprising, a control member for controlling the additional gear, a clutch, a control member for the clutch, said first control member upon operation being adapted to actuate at the same time the clutch control member for uncoupling the drive, and said control member for the clutch being adjustable independently of the first control member.

2,189,110
VOLTAGE RECORDING DEVICE
Richard Karl Honaman, Bloomfield, and Leland Kasson Swart, Mountain Lakes, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application September 18, 1936, Serial No. 101,522
4 Claims. (Cl. 177—311)



1. The combination of two gas discharge tubes, a circuit including means responsive to all impulses exceeding a predetermined voltage value to ionize the gas of one of said tubes, said circuit also including means responsive to all impulses exceeding a predetermined duration to ionize the gas of the second tube, a plurality of gas discharge tubes connected to said circuit, means to ionize the gas of the tubes of said plurality at successively higher voltages, and a plurality of translating devices each of which is coupled to one of said tubes and to the second tube, each operation of a translating device indicating a breakdown of the gas of the tubes to which it is coupled.

2,189,111
SIGNAL MEASURING SYSTEM
Samuel Bettie Hughes, Omaha, Nebr., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 8, 1938, Serial No. 228,997
3 Claims. (Cl. 179—175.1)



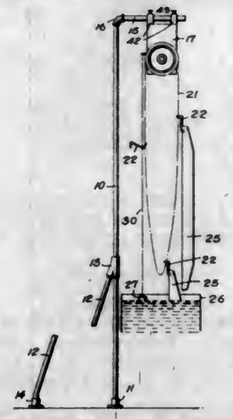
1. Apparatus for instantly indicating the magnitude of energy impressed upon a telephone transmitter, comprising means for amplifying and detecting substantially all components of the energy impressed upon the transmitter, a source of alternating current, a detector for detecting said alternating current, a potentiometer through which the detected alternating current flows, a plurality of impedances connected in series with each other and with said potentiometer, the amplified and detected energy flowing through said impedances, a plurality of relays the windings of which respectively shunt said impedances, said relays being adjusted to operate successively, the number of relays operated corresponding to the amount of energy amplified and detected, and indicating means controlled by said relays.

2,189,112
RAIL FLAW DETECTOR MECHANISM
George L. Jones, Garden City, and Walter M. Perry and Loren J. De Lanty, Brooklyn, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application February 4, 1935, Serial No. 4,776
4 Claims. (Cl. 175—183)



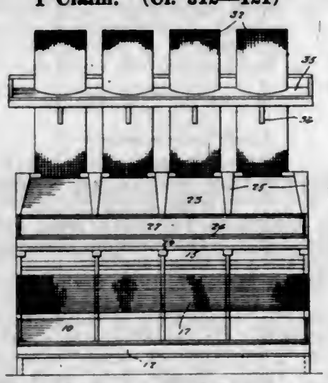
1. In a rail flaw detector mechanism having means responsive to flaw, a pen magnet, a pen actuated by said magnet, a marking gun magnet, marking means controlled by said marking gun magnet, a direct parallel connection between said magnets whereby both magnets are simultaneously energized to actuate said pen and marking gun, and means whereby said responsive means controls the actuation of said magnets, characterized by said pen magnet being of high resistance, low current response and low inductance and said marking gun magnet being of low resistance, high current response and high inductance.

2,189,113
FEEDER APPARATUS
Albert H. Jung, Brooklyn, N. Y., assignor to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York
Application October 17, 1939, Serial No. 299,893
5 Claims. (Cl. 22—80)



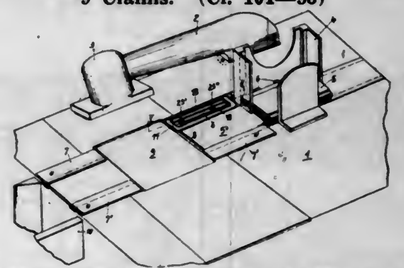
4. In a type metal ingot feeding apparatus adapted to be controlled by the level of molten metal within a melting pot: the combination of an endless flexible conveyor rotatable supported at its upper end directly above said melting pot, said conveyor having a loading side and a second side, a plurality of ingot receiving hooks secured to said conveyor in spaced relation in a position so that the hook or hooks on the said loading side are in ingot engaging position and when loaded will cause movement of said endless conveyor to bring hooks successively into ingot engaging position on the said loading side of said conveyor, whereby feeding and melting of the type metal may take place in accordance with the level of molten metal within the melting pot and substantially continuously as required without interruption.

2,189,114
FRUIT AND VEGETABLE DISPLAY DEVICE
Byron W. Kirkby, Brockville, Ontario, Canada
Application August 6, 1938, Serial No. 223,517
1 Claim. (Cl. 312—121)



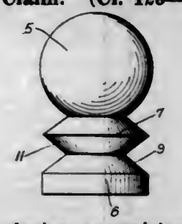
A display device comprising a supporting structure, walls arranged in said structure and coacting with each other to form bins having upwardly and rearwardly inclined walls and horizontally disposed walls and divider walls, a top plate carried by the supporting structure and having notches aligning with the bins, cylindrical foraminous material secured in said notches and rising therefrom to form vertically arranged hoppers to receive and display fruit and discharge said fruit into the hoppers as fruit is removed from the latter and to permit air to circulate freely in contact with the fruit, a shelf construction having a series of notches receiving the bins with the foraminous material thereof secured to walls of the notches, said shelf being disposed at an inclination, and braces carried by the shelf and bearing against the hoppers.

2,189,115
SELECTIVE ADDRESSING MACHINE
Joseph Krell, Berlin-Zehlendorf, Germany, assignor to Adrema Maschinenbauges m. b. H., Berlin, Germany
Application February 7, 1938, Serial No. 189,200
In Germany February 20, 1937
9 Claims. (Cl. 101—58)



8. In combination, printing plates having tabs thereon, a device for affording visible indication of the plates to be printed and those to be skipped, said device including a strip, and a row of integrally formed detachable projections at one side of said strip.

2,189,116
MASSAGE DEVICE
Harriette E. Niemiec, Miami, Fla.
Application July 26, 1939, Serial No. 286,676
1 Claim. (Cl. 128—300)

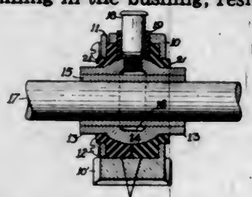


A massage device comprising a compressible bulb, an open-ended suction head having its upper portion tapered to form an upwardly inclined stop shoulder, and a reversely inclined collapsible bellows connecting the bulb and shoulder, said bellows when collapsed engaging the shoulder to limit the downward movement of the bellows and prevent contact thereof with the flesh at said suction head.

2,189,117
SELF-ALIGNING BEARING
Earl E. Prentice, Palo Alto, Calif.
Application February 8, 1937, Serial No. 124,626
4 Claims. (Cl. 308—26)

1. In a self-aligning bearing, a housing having

openings in its opposite ends, a bushing positioned in the housing having an enlarged central portion and oppositely disposed cylindrical end portions, the end portions of the bushing projecting through the openings in the ends of the housing, a porous lining in the bushing, resilient members



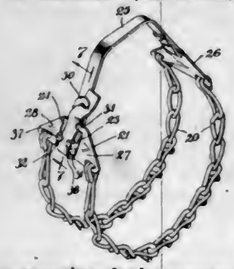
surrounding the enlarged central portion of the bushing and so disposed as to prevent the bushing from contacting the housing, an oil reservoir positioned between the liner and the bushing, and an oil cup extending through the bushing for supplying oil to the reservoir.

2,189,118

BUCKLE

John R. Reyburn, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York

Application October 7, 1937, Serial No. 167,736
10 Claims. (Cl. 24—193)



4. A strap securing device comprising a plate, a strap tensioning and strap securing lever, pivots on one end of said lever lying in the plane of the main body of the lever and its pivoted end and journalled in said plate, said pivots being so located with respect to the plate as to permit the strap to move freely with the lever over the plate in either direction, strap retaining means on said lever operable to bend the strap against the end of the lever as the lever is moved into strap securing position to take up and tension the strap and to push the strap in the opposite direction as the lever is returned to strap releasing position, and means on the plate and lever cooperating with the strap to lock the lever in strap securing position.

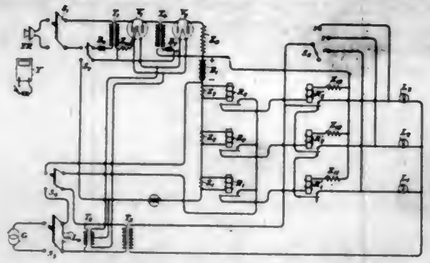
2,189,119

SIGNAL MEASURING SYSTEM

John Jonathan Schluter, San Francisco, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York

Application September 8, 1938, Serial No. 228,989
4 Claims. (Cl. 179—175.1)

1. The combination of a telephone transmitter upon which speech currents may be impressed, an amplifier coupled to said transmitter, a detector coupled to said amplifier, a plurality of impedances connected in series with said detector, a plurality of relays the windings of which respectively shunt said impedances, a plurality of indicators each corresponding to one of said relays, each relay controlling the operation of the corresponding indicator, and means for successively operating a predetermined number of



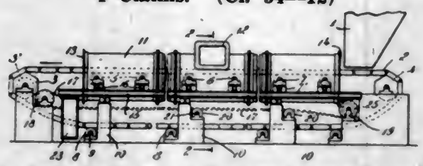
said relays, the number of relays operated corresponding to the amount of energy in the various frequency components impressed upon said transmitter.

2,189,120

COOLER FOR AGGLOMERATED MATERIAL

Nikolai Ahlmann, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application August 5, 1938, Serial No. 223,335
4 Claims. (Cl. 34—12)



1. Apparatus for cooling agglomerated material, and the like, comprising a tube which is open at both ends, an endless conveyor the conveying run of which is adapted to move longitudinally through the tube and through the openings in the ends thereof, rollers around which said conveyor passes, a plurality of rollers located in said tube for supporting the conveying run of the conveyor, shafts extending transversely of the tube on which said last named rollers are mounted, the ends of said shafts projecting outwardly beyond the wall of the tube, bearings positioned exteriorly of the tube and rigidly mounted thereon in which the ends of said shafts are mounted, a roller under each bearing, a pair of rails on which said rollers operate so that the tube and its connected parts can expand and contract longitudinally of the tube, means for feeding the hot agglomerate onto the conveyor, and means for circulating cooling air through the tube in contact with the agglomerate.

2,189,121

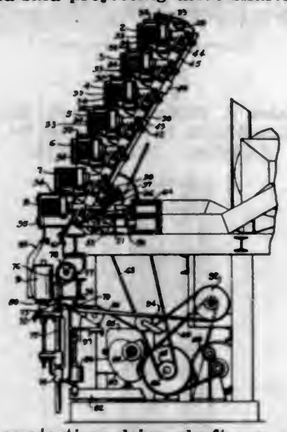
APPARATUS FOR HANDLING THREAD OR THE LIKE

Per J. E. Andersson, Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application March 2, 1936, Serial No. 66,597
6 Claims. (Cl. 242—53)

1. Apparatus comprising a bank of cantilever thread-storage, thread-advancing devices arranged in a plurality of series each of which handles a single thread, said bank being inclined from the vertical; drive shafts for said thread-storage, thread-advancing devices projecting endwise from said bank, the axes of said drive shafts being substantially horizontal; a

succession of upwardly extending intermediate drive shafts paralleling the plane of said bank; connecting means between said intermediate drive shafts and said projecting drive shafts for rotat-



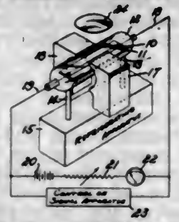
ing said projecting drive shafts; a main drive shaft extending transversely of said intermediate drive shafts; and connecting means for rotating said intermediate drive shafts from said main drive shaft.

2,189,122

METHOD OF AND APPARATUS FOR SENSING RADIANT ENERGY

Donald H. Andrews, Baltimore, Md., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application May 18, 1938, Serial No. 208,731
10 Claims. (Cl. 250—25)



1. A method of modulating an electric current by radiant energy which comprises maintaining a conductor at a temperature immediately below its transition temperature, passing an electric current through said conductor and causing radiant energy to impinge upon said conductor.

2,189,123

THERMOMETER

Howard H. Barker, South Orange, N. J., assignor to Weksler Thermometer Corporation

Application March 3, 1937, Serial No. 128,706
3 Claims. (Cl. 73—352)

1. A temperature indicating device comprising an elongated casing, a thermometer in the casing contacting the inner wall of the casing near one end thereof, the casing having an opening in its side wall near the opposite end for exposing at least a portion of the indicating means of the thermometer, a pin projecting from the side wall of said casing intermediate the ends thereof, an indicia bearing plate mounted on the casing near said opening and having a slot extending upwardly from its lower end in which said pin is engaged, a lateral projection on the upper end of the plate having an opening through which the upper end of the casing extends, and



a removable member mounted on the upper end of the casing in engagement with the upper surface of said projection.

2,189,124

MECHANICAL SEPARATION OF MIXTURES OF SUBSTANCES, PARTICULARLY COARSE-GRAINED MINERAL MIXTURES

Ernst Bierbrauer, Leoben, Austria, assignor to Metallgesellschaft A. G., Frankfort-on-the-Main, Germany

No Drawing. Application October 16, 1936, Serial No. 106,057. In Germany October 18, 1935
6 Claims. (Cl. 209—49)

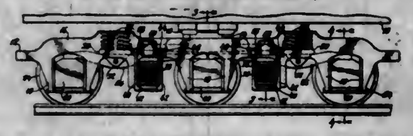
1. In the process of surface concentration of mineral substances of at least 5 mm. diameter having hydrophile and hydrophobe constituents, the steps comprising, wetting said mineral substances, raising the temperature of a normally solid organic water repelling adhesion mass capable of becoming plastic at temperatures below the boiling point of water until it becomes plastic, contacting said wetted mineral substances with a surface of said adhesion mass while plastic, lowering the temperature of said adhesion mass below the temperature of plasticity to cause its solidification, and causing the non-adhering substances to drop off from said adhesion mass, and thereafter detaching the adhering substances from said solidified adhesion mass.

2,189,125

RAILWAY CAR TRUCK

Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 29, 1938, Serial No. 187,613
1 Claim. (Cl. 105—190)



In a car truck, a frame including side members, journal boxes guided in said side members, equalized bars the ends of which rest upon the journal boxes and the intermediate portions of which extend immediately beneath the side members, a bolster movable relative to the frame and having projections extending under said equalizer bars, a spring plank located under said bolster, swinghangers supporting the spring

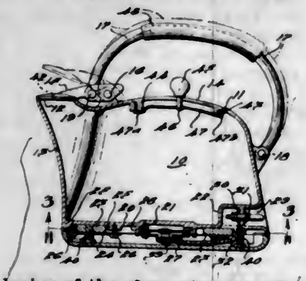
plank from the side members, said swinghangers being located on the outside of the side members, and resilient members connecting the projections on the bolster with the spring plank, the points of connection of the resilient members with the projections on the bolster and the spring plank being located substantially in line with the equalizer bars.

2,189,126
FLOOR FOR REFRIGERATOR CARS
Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 22, 1937, Serial No. 138,299
15 Claims. (Cl. 189—34)



15. A car wall comprising two metallic sheets having adjacent marginal contacting flanges, insulation on the flange side of the sheets near said flanges, and means to secure said sheets together from the opposite side of the sheets from the insulation without igniting said insulation, said means comprising a channel member straddling said sheet flanges and provided with opposite walls spaced apart from said sheet flanges to provide air spaces therebetween, and welded material securing said flanges together.

2,189,127
FLUID HEATING DEVICE
Herbert E. Brannon, Detroit, Mich.
Application March 23, 1938, Serial No. 197,556
5 Claims. (Cl. 219—44)

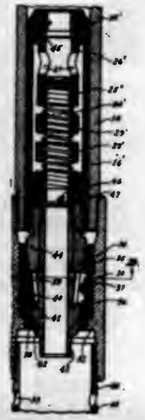


1. A device of the character described comprising a container for a fluid to be heated, including bottom and side walls, an electric heating element located outside of the container and arranged in heat exchanging relation to the bottom thereof, a housing removably secured to the container for enclosing the heating element, a recess formed in the side wall of the container, a pair of electrical contact elements rigidly mounted wholly within said recess, and means for connecting said contact points with the heating element exteriorly of the container.

2,189,128
PROCESS OF REFINING A MINERAL OIL
Ferdinand W. Breth, New York, N. Y., and Manuel Blumer, Butler, Pa.
No Drawing. Application July 17, 1936, Serial No. 91,100. Renewed April 27, 1939
5 Claims. (Cl. 260—504)

2. The process comprising treating a mineral oil fraction with oleum in the presence of a member of the group consisting of urea and salts of urea under sulphonating conditions, and recovering from the treated oil the mahogany sulphonic bodies formed during sulphonation.

2,189,129
VALVE
Chalon E. Bridwell, Detroit, Mich.
Application March 9, 1937, Serial No. 129,912
2 Claims. (Cl. 251—114)

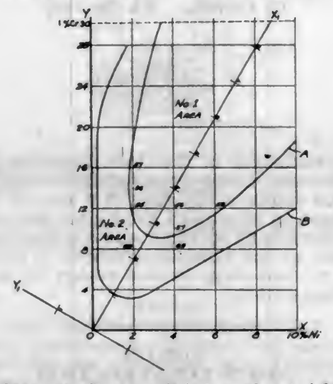


1. A valve mechanism adapted for being interposed in a fluid conduit and controlling the flow of fluid through said conduit, comprising: a tubular coil spring fixed at one end in alignment with the conduit; a plurality of separate annular sealing members arranged relatively to said spring in embracing relation and in frictional engagement therewith, said sealing members engaging each other in sealing relation upon the closing of said spring and moving into separated relation upon the spreading of said spring, said sealing members engaging each other at their adjacent ends; means at one end of said spring for engaging the outer end of one of the endmost of said sealing members in sealing relation; and means at the other end of said spring for engaging the outer end of the other endmost sealing member in sealing relation upon the closing of said spring, said spring being normally under tension for normally maintaining said sealing members in sealing engagement with each other.

2,189,130
REDUCTION PRODUCTS DERIVED FROM DEHYDROANDROSTERONE AND METHOD OF PRODUCING THE SAME
Adolf Butenandt, Danzig-Langfuhr, Free State, Danzig, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application October 6, 1936, Serial No. 104,298. In Germany October 7, 1935
12 Claims. (Cl. 260—397)

1. Method of producing reduction products of dehydroandrosterone which comprises reacting dehydroandrosterone of the formula $C_{19}H_{28}O_2$ with a halogenating agent capable of replacing the hydroxyl group with halogen, reacting the halogenated material with catalytically activated hydrogen to saturate the double bond, and then treating the saturated compound with agents capable of replacing the halogen with hydroxyl.

2,189,131
FERROUS ALLOYS
Arthur T. Cape and Charles V. Foerster, Santa Cruz, Calif.
Application September 6, 1938, Serial No. 228,528
7 Claims. (Cl. 75—128)



1. A ferrous alloy containing about 4.20% carbon, about 14%–18% chromium, and about 4%–6% nickel, the remainder of said alloy being iron.

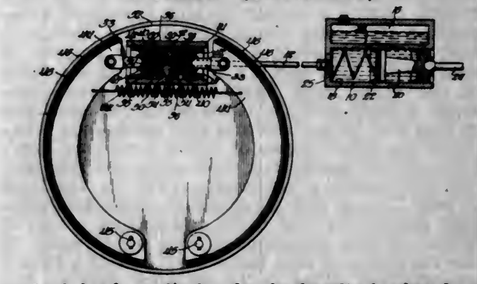
2,189,132
PROCESS FOR PRODUCING PHENOL-CELLULOSE RESIN
Leon E. Champer and Leo M. Christensen, Atchison, Kans., assignors to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application April 13, 1937, Serial No. 136,603
1 Claim. (Cl. 260—10)

A process of producing synthetic resins, which comprises, reacting 750 parts by weight of phenol, containing from substantially one percent to substantially five percent of hydrochloric acid, with 400 parts by weight of cellulose, at temperatures of between substantially 60° C. and substantially 80° C. for substantially four days to insure the formation of a light-colored soluble, fusible resin; removing excess phenol and polymerizing the residual material to a C-stage resin at temperatures of substantially 160° C. at a pressure of substantially 1000 pounds per square inch.

2,189,133
PHENOL-CELLULOSE RESIN
Leon E. Champer and Leo M. Christensen, Atchison, Kans., assignors to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application April 13, 1937, Serial No. 136,604
3 Claims. (Cl. 260—10)

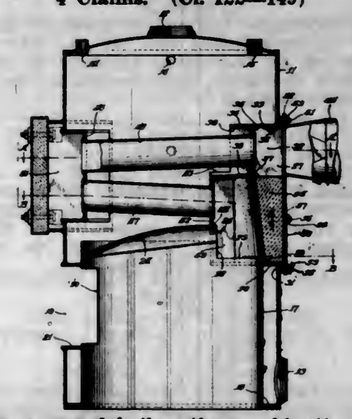
1. A process of producing light-colored synthetic resins which comprises, reacting cellulose with an excess of phenol, in the presence of up to substantially 1% of hydrochloric acid and up to substantially 5% of an active reducing agent, based on the quantity of the phenol, and effecting the reaction at temperatures between substantially 60° C. and substantially 80° C. and under reducing conditions for a period of substantially four days to insure the formation of a light colored, fusible, soluble resin; removing excess phenol and polymerizing the residual material to a C-stage resin.

2,189,134
HYDRAULIC BRAKE
George F. Chard, Elmwood Park, Ill., assignor of one-half to Joseph M. Sachs, Chicago, Ill.
Application December 28, 1935, Serial No. 56,414
14 Claims. (Cl. 188—152)



1. A brake cylinder for hydraulic brakes having a medial wall and a cylindrical chamber on each side of said wall, a source of brake fluid connected to said medial wall, a perforated cup member positioned on each side of said wall, a spring retainer therefor, a piston seal, a flexible valve in each cup member adapted to permit fluid to pass to operate said piston seal and a piston operable by said piston seal.

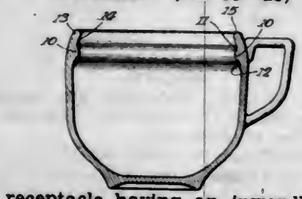
2,189,135
BOILER
Joseph F. Dickson, Kewanee, Ill., assignor to Kewanee Boiler Corporation, Kewanee, Ill., a corporation of Delaware
Application June 30, 1939, Serial No. 282,010
4 Claims. (Cl. 122—149)



1. In a round boiler, the combination of an outer cylindrical shell having a rectangular opening through its rear portion, a top-wall for said shell, a shorter cylindrical fire-box shell of less diameter than that of said outer shell inside of the lower portion of said outer shell and spaced inwardly therefrom, the upper rear portion of said inner shell being cut away on intersecting vertical and horizontal planes, means connecting together the lower portions of said two shells thereby forming an annular water-leg surrounding said fire-box, an upwardly-rearwardly-inclined domed top-wall for said fire-box at least partially above the top edge of said inner shell, a rectangular-boxing occupying said outer shell opening and extending both inside of the boiler and outside thereof, the lower wall of said boxing conforming to and secured to said inner shell

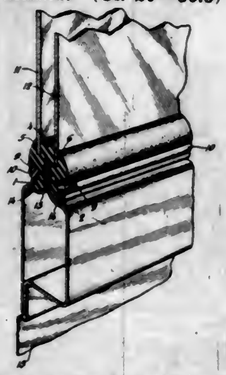
and secured to said outer shell, the inner part of the lower portion of said boxing in the boiler having a first upright apertured tube-sheet arched at its lower portion to receive and secured to the rear part of said fire-box top-wall, an intermediate part of the upper portion of said boxing having a second upright apertured tube-sheet, a cross-wall connecting the top portion of said first tube-sheet and the lower portion of said second tube-sheet, a smoke-box at the front of the outer shell having an apertured tube-sheet, a lower group of tubes occupying apertures in said first tube-sheet and said smoke-box tube-sheet, an upper group of tubes occupying apertures in said smoke-box tube-sheet and said second tube-sheet, a removable cover for the back of said boxing, and a refractory-block demountably secured to said cover and having a curved inner surface adjacent to and conforming to the curvature of said inner shell and of a height substantially equal to the distance between the bottom wall of said boxing and said boxing cross-wall.

2,189,136
CUP AND THE LIKE
William Dolphin, Chicago, Ill.
Application January 9, 1939, Serial No. 249,976
4 Claims. (Cl. 65—13)



1. A receptacle having an inwardly and upwardly inclined inside wall at the rim and a rounded rib on the inside adjacent to the rim, and below the same, said receptacle having its upper edge rounded.

2,189,137
CONNECTOR STRIP
Ferdinand R. Eichner, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application August 27, 1938, Serial No. 227,097
10 Claims. (Cl. 20—56.5)



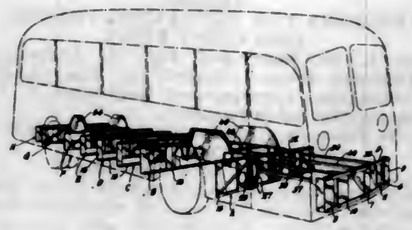
1. A connector comprising a body of elastic deformable material of substantially U-shape in section to fit a part to be connected, each leg of said body having a pair of spaced recesses, one to fit a part to be connected and the other to receive a wedging filler.

2,189,138
RUBBER MOUNTING
Ferdinand R. Eichner, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application June 3, 1938, Serial No. 211,549
13 Claims. (Cl. 20—56)



11. A connector of the class described, including a formed rubber strip having a longitudinal groove to embrace the edge of a part to be connected and an expansible groove for the reception of an interlocking spreader and a rubber spreader insertable in the expansible groove to crowd the rubber of said strip in the region of the edge embracing groove.

2,189,139
COACH CONSTRUCTION
Harold E. Fox, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application February 3, 1939, Serial No. 254,341
5 Claims. (Cl. 280—106)

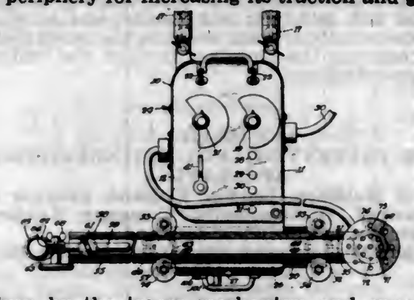


1. In a vehicle construction, a base frame including front and rear bucks each comprising a pair of longitudinally spaced cross members and each cross member including a pair of vertically spaced transverse rails extending across the vehicle from side to side, end gusset plates connecting said rails, and additional rail connecting plates spaced inwardly of said end plates, a pair of transversely spaced longitudinal tie members between said cross members, each including a pair of vertically spaced rails joined to said inward plates and a vertically disposed stiffening plate connecting the longitudinal rails, and spring hanger brackets straddling said longitudinal tie members and mounted on said inward gusset plates of the cross members.

2,189,140
GAS CUTTING MACHINE
John C. Glaum, Jr., Chicago, Ill., assignor to Compressed Industrial Gases, Inc., a corporation of Delaware
Application April 2, 1938, Serial No. 199,553
5 Claims. (Cl. 266—23)

1. In a gas cutting apparatus, a carriage movable longitudinally of its center line, a gas torch, means movable transversely of said center line for supporting said torch on said carriage, a tracer mechanism connnected to said means, and means for operating said tracing mechanism independently of said carriage or simultaneously therewith for moving said torch, said means

comprising a tracer wheel having gear teeth on its periphery for increasing its traction and gears



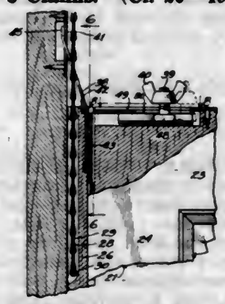
driven by the tracer mechanism and engaging said teeth for rotating said wheel.

2,189,141
TONGUE PROTECTOR DEVICE
Reuben J. Gunderson, Chicago, Ill., assignor to Animal Tongue Protector, Inc., Chicago, Ill., a corporation of Illinois
Application February 7, 1938, Serial No. 189,085
16 Claims. (Cl. 17—1)



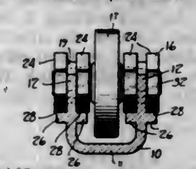
1. A device for protecting the tongue of a carcass against mutilation during machine dehairing of the carcass, comprising a cup-shaped member adapted to envelop the front end of the tongue and formed of such flexible material that it is readily collapsible, and means associated with the member and adapted to engage certain of the fleshy portions of the interior of the mouth of the carcass and hold said member in substantially fixed position within the carcass mouth.

2,189,142
SASH WINDOW CONSTRUCTION
Eric E. Hall, Chicago, Ill., assignor of one-half to Otto Johnson and Arthur Horner, both of Chicago, Ill., co-partners, doing business as Johnson and Horner
Application September 11, 1937, Serial No. 163,462
3 Claims. (Cl. 20—49)



1. In sash window construction, in combination with a window casing, a pair of stiles adapted to slide within the window casing, a sash hinged between said stiles, locking plates pivoted one to each of the stiles and adapted to be swung downwardly to overlie the upper edge of the sash and adapted to be swung upwardly into proximate relation to the window casing, locking devices on the sash for engaging the respective locking plates when swung downwardly to overlie the sash, and a keeper for each of the locking plates, secured to the window casing and adapted to have the associated locking plate engaged therewith when the plate is swung upwardly, each locking plate terminating in separated tongues, and each of the keepers being provided with apertures adapted to receive the associated tongues, the parts being configured to cause the tongues to forcibly bear against the inner face of the keeper when the parts are engaged, and a counterbalancing member secured to each stile and passing upwardly between the tongues.

2,189,143
ROLLER RAIL FOR INDUSTRIAL HEATING FURNACES
Henry H. Harris, Champaign, Ill.
Application December 1, 1937, Serial No. 177,428
Renewed July 13, 1939
2 Claims. (Cl. 193—35)



1. A roller rail comprising a rail body portion having a floor portion and side walls, transversely aligned, open, part polygonal notches provided in said side walls, bearing members of similar polygonal formation adapted to be removably received within said notches, and means on and a part of the side walls below said notches bearing against the underside of the bearing members to support said bearing members therewithin, and rollers mounted for rotation within said bearing members.

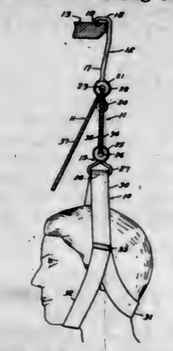
2,189,144
CHOCOLATE AND METHOD OF MAKING SAME
John L. Klewer, Chicago, Ill.
No Drawing. Application October 19, 1938, Serial No. 235,784
5 Claims. (Cl. 99—23)

1. The method of treating butter-fat containing chocolate to effect a uniform, stable dispersion of the fat throughout the chocolate and form a dispersible aqueous chocolate magma comprising agitating and maintaining a hot mixture of about 3 parts by weight of chocolate having a butter-fat content in excess of about 35% and between 1 and 2 parts by weight water at a temperature between 180° F. and 210° F. until the mixture is a paste-like plastic and attains a homogeneous, smooth, fine-grained texture.

2,189,145
EXERCISING AND STRETCHING DEVICE
John J. Lee, Los Angeles, Calif.
Application December 12, 1938, Serial No. 245,083
1 Claim. (Cl. 272—80)

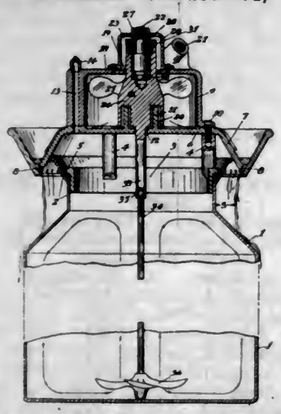
In a device of the kind described, a single piece of wire bent into a hook at one end, an eye at its

opposite end and a substantially circular coil adjacent to the end thereof provided with said eye, a circular guide having through it a central aperture and having a peripheral groove around it, said wire coil being seated in said groove thereby securing said guide to said wire, said coil completely encircling said guide and the wire portions adjacent thereto being continued in op-



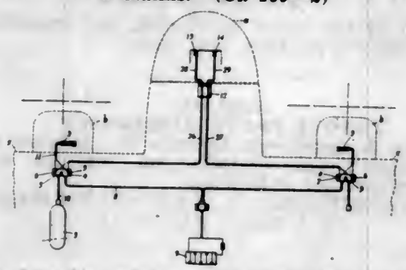
posite directions, a flexible member which extends loosely through said aperture of said guide and has one of its ends secured to said eye, and a lifting member for supporting a head harness, said lifting member having an aperture through which loosely passes the portion of said flexible member between said eye and the aperture through said guide.

2,189,146
APPARATUS FOR COOLING AND DEGASIFYING LIQUIDS
Edward Little, Saginaw, Mich.
Application January 7, 1938, Serial No. 183,821
2 Claims. (Cl. 257—74)



1. In a water distributing device adapted to be applied to a container for cooling liquid therein, said device having a crown plate with a central aperture and means for supporting the plate upwardly spaced from the rim of the container, the crown plate having an apertured trough around its periphery; a housing carried by the crown plate and having the bottom edges of its side walls spaced above said plate to present a small clearance for water flowing from said housing, a gudgeon projecting downwardly from the roof of said housing and carrying a rotatable bladed hub, the lower end of said hub formed with an annular channel, an upstanding annular flange integral with the crown plate and loosely received in said annular flange and a downwardly directed spindle coaxial with said hub; said channel and annular flange serving to prevent water on the crown plate from entering the container through the central aperature therein.

2,189,147
FIRE PREVENTING AND EXTINGUISHING APPARATUS
Anders Mathisen, London, England, assignor to Graviner Manufacturing Company Limited, High Holborn, London, England
Application August 8, 1939, Serial No. 289,062
4 Claims. (Cl. 169—2)



1. In a fire-extinguishing system for a multiple engine air craft having a plurality of nacelles respectively for its engines, a plurality of individual containers containing fire extinguishing fluid and positioned respectively one in each engine nacelle, individual electrically actuatable release means on each of said containers for releasing fluid therefrom, a central control multiple contact switch having individual pairs of contacts for each of said containers, impact responsive means mounted for actuating said switch, individual manually operable switch means connected across each of said pairs of contacts respectively, and individual connections between each of said release means and each of said pairs of contacts, whereby excessive deceleration of said aircraft causes discharge from all of said containers, and each of said containers may be selectively manually discharged.

2,189,148
OPACIFIER
Glenn H. McIntyre, Cleveland Heights, Monroe J. Bahnsen, Lakewood, and Benjamin J. Sweo, Cleveland, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 13, 1939, Serial No. 261,660
7 Claims. (Cl. 106—36.2)

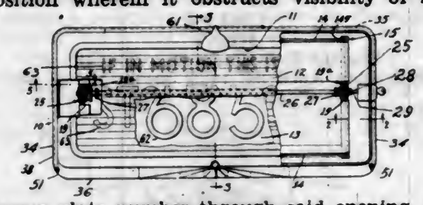
1. An opacifier for use in porcelain enamels comprising a pre-formed product having the general formula:

$$Sb_2O_5.TiO_2.2CaF_2.2\tfrac{1}{2}CaO$$

2,189,149
AUTOMOBILE THEFT DETECTOR
Walter Thomas Mead, Los Angeles, Calif.
Application September 14, 1938, Serial No. 229,910
4 Claims. (Cl. 40—2.2)

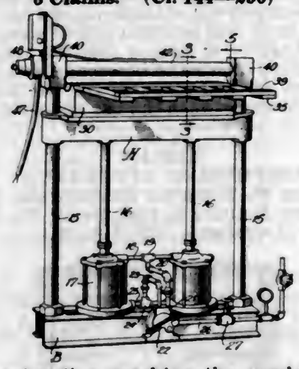
1. A device of the kind described comprising a casing having a window opening through one of its walls, a license number plate mounted within said casing in such a position that the license number upon said plate is normally visible through said opening, channel shaped tracks ar-

ranged on opposite sides of said opening, a jointed shutter of the roll top desk type having edge portions movable along said tracks to and from a position wherein it obstructs visibility of said



license plate number through said opening, and key operable means to move said shutter along said tracks, said opposite edge portions of said shutter traveling in the channels of said tracks.

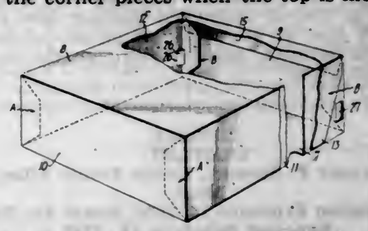
2,189,150
BENDING MACHINE
Orville R. Owens, Chicago, Ill.
Application April 29, 1937, Serial No. 139,764
6 Claims. (Cl. 144—256)



5. In a bending machine the combination of a base, supporting guides extending vertically from said base, a fixed member having a lower die face extending horizontally between said guides, a member movable toward and from the fixed member on said guides and adapted to support and carry thereon the work to be bent over said lower die face, the movable member comprising two parts one a rigid die part fixed thereon and the other a work engaging part hinged to the fixed part for swinging movement relative thereto.

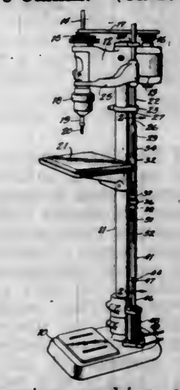
2,189,151
CARDBOARD BOX CONSTRUCTION
Samuel Platt, San Francisco, Calif.
Application November 9, 1937, Serial No. 173,599
10 Claims. (Cl. 229—31)

1. A box formed from a single flat blank of cardboard comprising a top, bottom, front side, rear side, and two opposed lateral sides, the top, front side, rear side and opposed lateral sides being arranged and adapted to outfold to form a flat blank, means at the forward corners of the box including corner pieces folded to within the box releasably securing the front side and lateral sides against outfolding and means on the top arranged and adapted to move to a position within the box and to releasably engage and to substantially lock the corner pieces against unfolding releasing of the front side and lateral sides for outfolding when the top is in position over the bottom, the means on the top being adapted to freely move with the top out of engagement with the corner pieces when the top is moved to



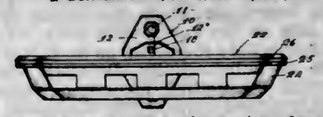
a position from over said bottom, and said top being secured to the rear side of the box for swinging to a position from over said bottom.

2,189,152
DRILL PRESS FOR TAPPING ATTACHMENT
Harry G. Procunier, Chicago, Ill.
Application January 23, 1939, Serial No. 252,349
5 Claims. (Cl. 10—139)



1. In a tapping machine, a shaft, means for rotating the shaft, an operating rod movable up and down, means operably connecting said rod and the shaft for raising and lowering the shaft including two springs, one of which is yieldable as the rod is raised and the other is yieldable as the rod is lowered, and a sleeve enclosing each of the springs, both sleeves being individually adjustable by an operator from his normal position while operating the machine.

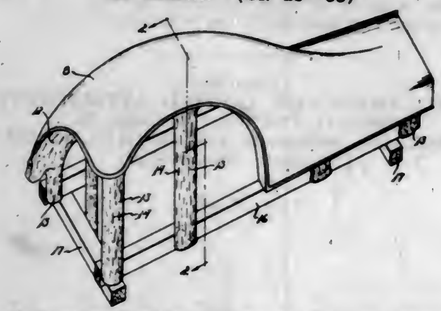
2,189,153
DETACHABLE FIXTURE SUPPORT AND BRACKET
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application June 12, 1937, Serial No. 147,821
4 Claims. (Cl. 248—223)



3. In a device of the character described, in combination, a wall bracket having an apertured backing plate and having a face plate spaced from the wall and provided with a slot therein, a fixture having a bar secured thereto and extending therefrom and adapted to be inserted through said slot when said fixture and bracket are angularly disposed relative to the normal

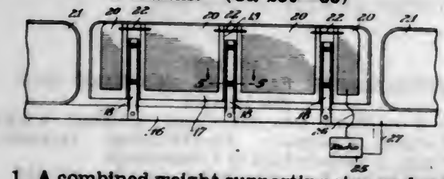
assembled position thereof, and means on said face plate for frictionally engaging said inserted bar in a normal assembled position, the apertures of said backing plate being accessible for receiving securing members through the slot in said face plate.

2,189,154
TEMPLET
Alexander P. Stewart, Grosse Pointe Village, Mich.
Application February 16, 1935, Serial No. 6,840
Renewed February 14, 1939
11 Claims. (Cl. 18—55)



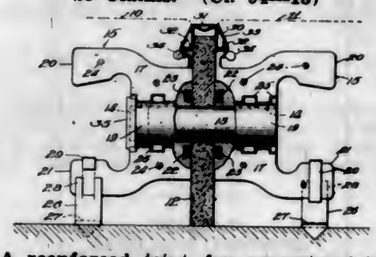
4. The method of forming a profiling machine templet comprising taking a pattern or mold, covering a face thereof with a layer of grease, then with a thin layer of plastic material capable of setting, permitting same to partially set, then placing alternate layers of plastic material similar to the first mentioned plastic material and reinforcing material on said partially set layer while permitting partial setting of each layer of plastic material as placed, bonding spaced legs of plastic material thereto and permitting the plastic material to completely set, and finally securing a base to said legs.

2,189,155
RADIO ANTENNA CONSTRUCTION
Charles A. Upson, Lockport, N. Y., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 26, 1936, Serial No. 71,001
6 Claims. (Cl. 250—33)



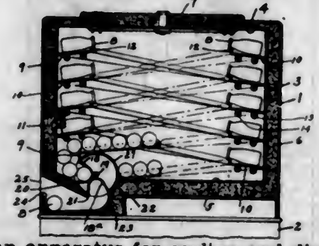
1. A combined weight supporting step and radio receiving antenna for an automobile, comprising a running board structure projecting laterally from one side of the automobile body, said running board structure including as an integral unit two layers of substantially dielectric material, and electrical conducting means interposed between and enclosed by said two dielectric layers, said electrical conducting means being of large area so as to have relatively great electrical capacity to ground and being spaced materially outwardly from the inner edge of the running board to minimize capacity to the automobile body, said conducting means serving as a radio antenna and one of said layers of dielectric material being constructed and arranged to constitute a platform capable of supporting the weight of persons stepping into and out of the automobile.

2,189,156
JOINT
Donald E. Willard, Danville, Ill.
Application April 30, 1935, Serial No. 18,999
25 Claims. (Cl. 94—18)



1. A reenforced joint for concrete slab construction comprising a reenforcing bar for extending between adjacent slabs, and reenforcing means operatively associated with the bar on each side of the joint and having a pair of stress-carrying arms adapted to extend into the body of the associated slab above and below and substantially in the same vertical plane as the bar for transmitting stresses between the bar and slabs.

2,189,157
DISPENSING APPARATUS
Walter W. Williams, Bloomington, Ill.
Application January 6, 1938, Serial No. 183,564
2 Claims. (Cl. 312—36)



1. In an apparatus for cooling and dispensing containers, a cabinet containing a storage chamber having a discharge opening, a pair of vertically spaced and aligned spiral ramps mounted interiorly of said storage chamber for supporting and for advancing said containers by gravity to said discharge opening, and an oscillating cylindrical dispensing closure for said discharge opening in said storage chamber having a pair of longitudinal pockets one for each ramp, said pockets being disposed on one side of a diametrical plane through said cylindrical closure, the ends of said ramps terminating at substantially diametrically opposed portions of said cylindrical closure whereby said containers are received and dispensed alternately from said ramps upon the oscillation of said cylindrical closure.

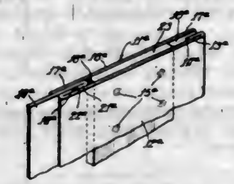
2,189,158
OVERFILL PREVENTER FOR STORAGE BATTERIES
Charles W. Yelm, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application January 31, 1939, Serial No. 253,753
2 Claims. (Cl. 136—178)

1. A storage battery cover having a downwardly extending tubular projection having a fill opening extending therethrough, the lower end of the projection being below the cover, the wall of the opening having an annular inwardly extending flange, a resilient ring positioned on the upper surface of the flange, the peripherial surface of the ring being in sealing engagement with the wall of the opening, the opening in the flange being substantially larger than the opening in the ring whereby the latter overhangs the flange, a tube positioned in the opening in the ring with its lower end below the lower surface of the



flange, the upper end of the tube having an outwardly extending flange overlapping the upper surface of the ring, that portion of the tube which is normally in contact with the encircling wall of the ring being of greater diameter than the opening in the ring whereby a tight fit is formed, the tube wall having a vent opening which is sealed by the ring, the latter being distortable by a force which produces a downward movement of the tube relative to the supporting flange, said distortion moving the tube engaging surface of the ring out of sealing engagement with the vent opening in the tube.

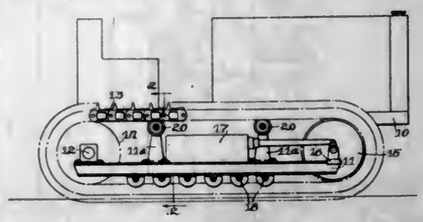
2,189,159
CONNECTING CLEAT FOR STRUCTURAL ELEMENTS
Rudolph J. Anschicks, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application January 14, 1937, Serial No. 120,532
8 Claims. (Cl. 189—36)



8. A connecting cleat comprising a strip having infolded edge portions to provide shoulders, a spacer secured to said strip on the shouldered side thereof, the edge portions of the spacer terminating inwardly from the shouldered edges of the strip, and a cooperating member secured adjacent its central portion to said spacer and having resilient edge portions spaced from said shoulders and cooperating with said strip and spacer to provide a recess adjacent the respective edge portions of the strip.

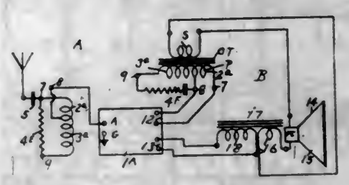
2,189,160
TRACK ROLLER ARRANGEMENT
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application November 18, 1937, Serial No. 175,194
3 Claims. (Cl. 305—9)

1. In a tractor of the crawler type having a longitudinally disposed side track frame and an endless, interconnected-link track-chain, the combination with the track frame, of a track roller rotatably carried by the track frame therebelow for supporting the tractor on the track-chain, and an idler roller rotatably carried by the track frame thereabove for supporting the track-chain, said track roller being formed with only a pair of annular flanges spaced apart to receive



the track-chain therebetween, the inner radial faces of said flanges thereby contacting the outer faces of the track-chain links, and said idler roller being formed substantially at its mid-portion with only a pair of annular flanges spaced apart to fit between opposite sides of the track-chain links, the outer radial faces of said flanges thereby contacting the inner faces of the track-chain links.

2,189,161
SOUND REPRODUCING APPARATUS AND A WIRING CIRCUIT THEREFOR
Raymond E. Bowley, San Anselmo, Calif.
Application July 5, 1938, Serial No. 217,459
20 Claims. (Cl. 179—1)

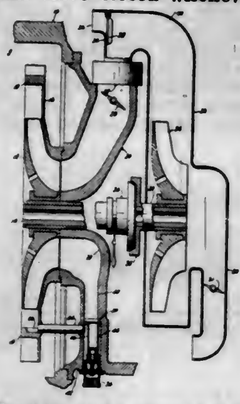


1. In combination, a step down audio frequency output transformer having a primary winding and also having a secondary winding and an electro-dynamic loud speaker comprising, a diaphragm carrying a moving actuating coil, a magnet having a pair of concentric pole pieces forming a magnetic air gap applied to the moving coil, a field coil applied to the magnet, and a stationary electro-dynamic coil applied to the magnet and connected in the audio frequency actuating circuit in series with the secondary winding of the step down transformer and in electro-magnetic relationship with the moving coil so as to modify the vibratory action of the diaphragm effecting improved resultant tones.

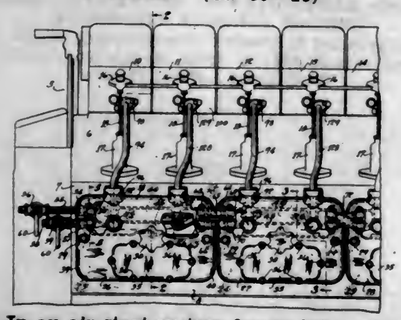
2,189,162
DRAIN VALVE
Richard S. Buck, Wethersfield, and Harry W. Gunberg, West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 23, 1937, Serial No. 165,234
12 Claims. (Cl. 123—119)

1. In a fluid induction system, a normally open drain valve, and means automatically maintain-

ing said drain valve closed whenever the pressure of the fluid in said system is above or below the pressure of the surrounding atmosphere.



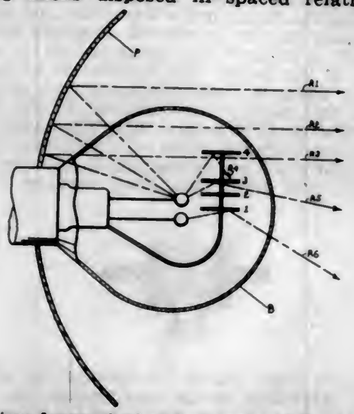
2,189,163
AIR-START MEANS FOR INTERNAL COMBUSTION ENGINES
Hugo F. Budzien, Peoria, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application March 1, 1937, Serial No. 128,330
6 Claims. (Cl. 60—16)



1. In an air start system for an internal combustion engine, a pair of trunk conduits of sectional construction, each arranged along the engine to an extent to serve the air start cylinders thereof, a valve for each of said conduits controlling the admission of air thereto, an air distribution valve for each cylinder, connected thereto and supplied from one of said conduits, each of said conduits including means for interconnecting the sections thereof, in straight or crossed relation whereby, through the addition or removal of sections the sectional conduit structure is adapted for application to engines of different number of cylinders and different firing order, each of said conduit sections being of an extent to serve a pair of adjacent engine cylinders and being provided with air distribution valve connections such that said valves of adjacent cylinders are connected to different conduit portions.

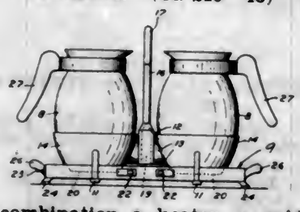
2,189,164
HEAD LAMP
Richard Wallace Carlisle, Flushing Heights, N. Y.
Application September 24, 1936, Serial No. 102,288
10 Claims. (Cl. 176—26)

1. In an incandescent lamp, the combination of a light source and a plurality of light-intercepting shells disposed in spaced relationship



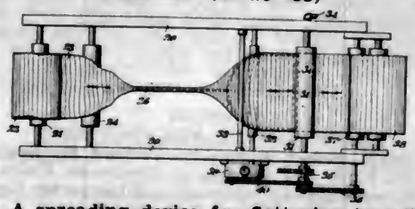
extending forward of and above said light source parallel to a common axis and a sealed bulb enclosing all of said parts.

2,189,165
STAND AND HEATER
Ralph W. Christofferson, San Francisco, Calif.
Application February 2, 1938, Serial No. 188,333
9 Claims. (Cl. 219—43)



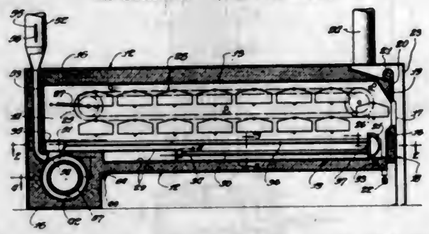
2. In combination a heater, a guide on the heater, a plurality of separately controlled heating elements on the heater, a stand, a plurality of cups on the stand adapted to removably hold containers to be heated, and means on the stand for engaging said guide so as to locate the stand in a predetermined position on the heater so that individual cups are aligned with the respective heating elements.

2,189,166
FABRIC FEEDING CONTROL SYSTEM
Samuel Cohn and Jules G. Walter, New York, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 129,184
18 Claims. (Cl. 26—55)



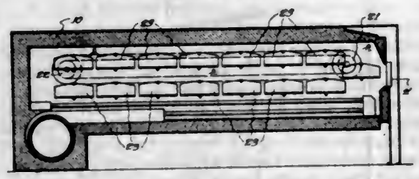
1. A spreading device for flattening traveling tubular fabric by internal engagement therewith, comprising spreading means for flattening the fabric tube in one plane, and spaced means for flattening the tube in another plane.

2,189,167
BAKING OVEN
John V. Cook, Chicago, Ill., assignor to The Petersen Oven Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1938, Serial No. 198,295
12 Claims. (Cl. 107—63)



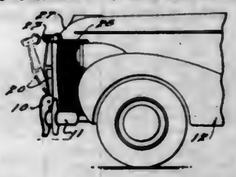
1. In a baking oven, the combination of a horizontally positioned baking chamber of substantially uniform height and having a door at one end, heating flues within and extending substantially the full length of the chamber in substantially horizontal position, and means including hanging trays for carrying products to be baked along a substantially horizontal path above said flues and substantially from one end to the other of said chamber and then along a substantially horizontal path at a higher level again substantially from one end to the other of the chamber, the combined height of the hanging trays in the two paths being approximately equal to one-half the distance from the tops of the flues to the top wall of the chamber and the spaces between the trays in the two paths, between the trays in the lower path and the flues and between the trays in the upper path and the top wall of the chamber being substantially equal.

2,189,168
CONVEYER FOR BAKING OVENS
John V. Cook, Chicago, Ill., assignor to The Petersen Oven Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1938, Serial No. 198,296
4 Claims. (Cl. 198—158)



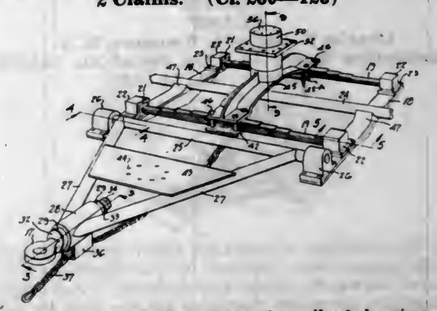
1. In a conveyer for baking ovens, the combination of two sprocket wheels at each side of a baking chamber, an endless chain of pivotally connected links at each side of the baking chamber mounted on the sprocket wheels at that side, means for driving said endless chains, arms extending outwardly from the chains, and hangers for trays mounted between the chains by pivotal connections with said arms at their outer ends, the sprocket wheels at each side being spaced to provide for a plurality of trays in a horizontal plane on the stretches of chain therebetween, the distance between the pivots of adjacent hangers being but slightly more than the width of the trays carried thereby, and the vertical distance from the axes of the pivot pins of the chain to the axes of the pivotal connections of the tray hangers and said arms being at least as great as the width of the spaces between the vertical edges of adjacent trays whereby the trays are closely spaced when moving in a horizontal plane but move from one level to another without interfering with each other.

2,189,169
VEHICLE RADIATOR GRILLE GUARD
George H. Cox, Detroit, Mich.
Application August 16, 1939, Serial No. 290,514
8 Claims. (Cl. 293—55)



1. A motor vehicle grille guard comprising a grille guard bar disposed generally vertical and in spaced relationship in front of a motor vehicle grille, means for pivotally supporting said grille guard bar adjacent the lower portion of said grille, shock absorbing bearing means on the upper end of said grille guard bar, and spring means adapted to engage said grille guard bar and urge the said shock absorbing bearing means on the upper end thereof into yieldable contact against the motor vehicle whereby to normally maintain the said grille guard bar in a vertical position.

2,189,170
TRAILER CONSTRUCTION
Julius Gaussoin, Portland, Oreg.
Application March 5, 1938, Serial No. 194,137
2 Claims. (Cl. 280—123)

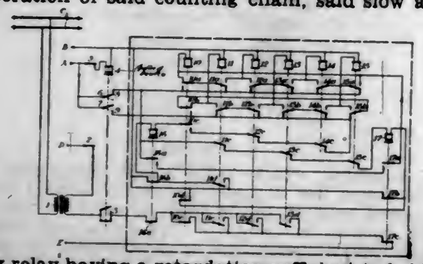


2. A device of the class described having in combination a trailer axle including ground engaging wheels mounted thereon, a pair of longitudinal side frames attached to said axle, transverse springs mounted on said side frames by means of rubber mountings, a longitudinal arched frame supported across said springs having a tapering spindle projecting upwardly therefrom, a tapering bearing for receiving the lower end of said spindle, an anti-friction bearing at the upper end of said spindle, a housing for both of said bearings, the upper portion of which constitutes a grease chamber, a cover over said housing and cross members attached to said housing.

2,189,171
SIGNAL TRANSMITTING APPARATUS
Louis Girardin, Paris, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 26, 1936, Serial No. 102,774
In France April 10, 1936
4 Claims. (Cl. 177—380)

1. In a signaling system, in combination, a

signaling circuit, a source of current, a code transmitter for coding the current from said source in accordance with a predetermined pattern, a chain of counting relays controlled by said code transmitter in such manner as normally to be operated and released in sequence one at a time, means controlled by said counting chain for recurrently modifying the pattern of said current, a slow acting relay for checking the sequential operation of said counting chain, said slow act-



ing relay having a retardation sufficient to bridge the normal operation time of a counting relay of said chain, a pickup circuit for said slow acting relay including a contact of said code transmitter and back contacts of said counting relays; a holding circuit for said slow acting relay including said code transmitter contact, said back contacts, and a front contact of said slow acting relay; and means controlled by said slow acting relay for impressing the resulting current on said signaling circuit.

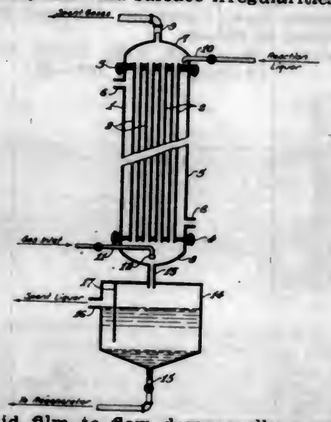
2,189,172
CLAMP
Charles E. Hathorn, Kenmore, N. Y.
Application March 10, 1939, Serial No. 260,940
4 Claims. (Cl. 24—19)



2. In a clamp, a metallic band provided with teeth, spaced ears carried by the band and extended outwardly from the opposite band edges, a member pivotally fastened at one end to said ears and within the embrace of which the spaced ears are held against spreading, and a clamping screw journaled at its opposite ends within said member, said screw being movable with said member and about the member axis into and out of interfitting engagement with said teeth.

2,189,173
RECOVERY OF GASEOUS DIOLEFINS
George M. Hebbard and Lewis E. Lloyd, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application July 9, 1938, Serial No. 218,463
2 Claims. (Cl. 260—680)

1. In a process for separating diolefins from gaseous hydrocarbon mixtures also containing mono-olefins, wherein a hydrocarbon mixture is contacted with a reaction liquor comprising a salt of a heavy metal of groups I and II of the periodic system to form an insoluble diolefin metal-salt addition compound from which the diolefin is subsequently recovered, the improvement which comprises disposing the reaction liquor as an unbroken continuous film on the inner walls of a substantially vertical reaction tube free of joints and surface irregularities and



causing said film to flow downwardly countercurrent to an ascending stream of the gaseous hydrocarbon mixture.

2,189,174
CONTAINER
John Hohl, Westport, Conn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 30, 1936, Serial No. 118,293
14 Claims. (Cl. 229—53)



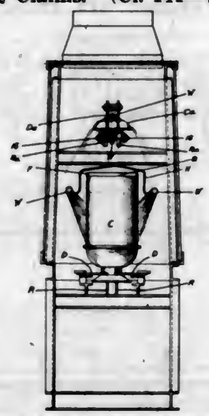
12. A package including a flexible-walled container having a pair of similar opposed panels hermetically sealed together at the bottom and at the top, said panels having a pair of flanges respectively at the top in approximately opposed relationship serving as finger tabs by which the top seal may be broken and the two panels separated to form a discharge opening.

2,189,175
DENTAL MASSAGING, CLEANING, AND MEDICATING DEVICE
Charles Joseph Frederick Jackson, Winnipeg, Manitoba, Canada
Application May 20, 1938, Serial No. 209,094
1 Claim. (Cl. 128—62)



A tooth-cleaning and gum-massaging device comprising, a resilient suction cup having a relatively deep side wall gradually tapering to a relatively thin edge at the mouth, a gradually tapered, pointed, resilient prod, co-axial with the cup and extending from the base of the cup outwardly through the mouth thereof and having the pointed end terminating at some distance from the mouth of the cup and suitable means for attaching the base of the cup to a supporting member.

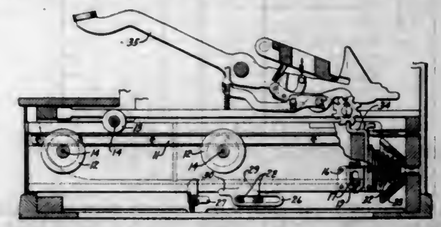
2,189,176
MACHINE FOR WASHING MILK CANS
Ira H. Kendall, Potsdam, N. Y.
Application June 23, 1938, Serial No. 215,346
2 Claims. (Cl. 141—7)



1. A machine for washing inverted milk cans and the covers of said cans, comprising first means adapted to support a line of inverted milk cans and to guide the movement of said inverted milk cans through the machine, second means located above said first means, said second means being adapted to suport a line of said covers and to guide said covers above the inverted milk cans, a hood having a depending wall and located between said first means and said second means, first perforated washing means located above the top of said hood and adapted to project wash water upwardly against the covers which are located in said second means, said wash water being free to fall upon said hood, second perforated washing means located above the bottom edge of said depending wall and adapted to project wash water downwardly and laterally against the outer walls of said inverted cans, said depending wall being located laterally between said second perforated washing means and the vertical walls of said inverted cans, said second perforated washing means having a source of water other than the wash water which falls from said first perforated washing means upon the hood, said hood being of sufficient depth to prevent the wash water of the second perforated washing means from contacting with the outer surfaces of the bottom walls of the inverted cans.

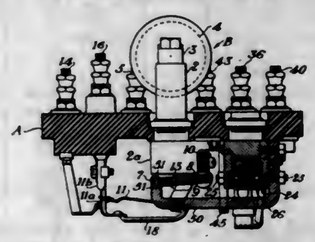
2,189,177
DRAWER MECHANISM FOR CASH REGISTERS
Arthur C. Kirshner, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application May 20, 1937, Serial No. 143,635
9 Claims. (Cl. 45—7)

3. In a cash register, the combination of a drawer slidably mounted in a frame; means for forcibly ejecting the drawer from closed to open position; a latch holding the drawer in closed position; means for releasing the latch and rendering the ejecting means operative; a tappet movably mounted on the drawer; a detent movably mounted on the drawer frame, moved in one direction by the tappet as the drawer opens from closed position and moved in the reverse



direction by the tappet as the drawer closes; and a by-pass pawl movably mounted on the drawer frame designed to be locked by movement of the detent on forward movement of the drawer causing the drawer to be arrested in partly opened position and to be unlocked by movement of the detent on rearward movement of the drawer.

2,189,178
ELECTRICAL RELAY
Benjamin Mishelevich, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 9, 1938, Serial No. 189,620
5 Claims. (Cl. 175—339)

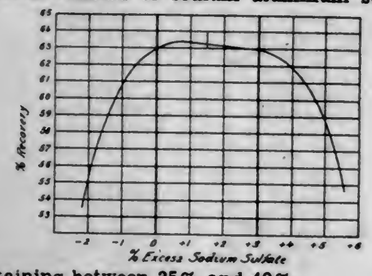


4. A relay comprising an electromagnet provided with a pair of pole pieces, a first armature pivotally supported for swinging movement toward or away from said pole pieces according as said electromagnet is energized by current of either polarity or is deenergized, and polarized means including a second armature pivotally supported intermediate its ends for swinging movement toward one or the other of said pole pieces and a fixed member having one end disposed adjacent said second armature at its center and the other end disposed adjacent said first armature in such a position that the polarizing flux will pass through said first armature and act as a means to urge said first armature away from said pole pieces when said electromagnet is deenergized.

2,189,179
PROCESS FOR MAKING SODIUM ALUMINUM SULPHATE
Ralph S. Park, Queens Village, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application July 15, 1938, Serial No. 219,337
5 Claims. (Cl. 23—118)

1. A process for obtaining crystalline sodium aluminum sulphate, which comprises adding a hot

aqueous solution of sodium aluminum sulphate

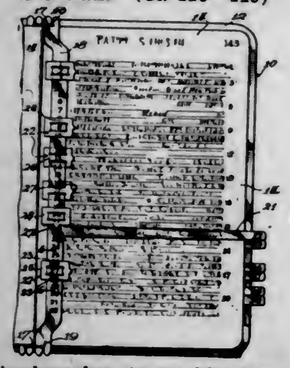


containing between 35% and 49%

$Al_2(SO_4)_3.Na_2SO_4$

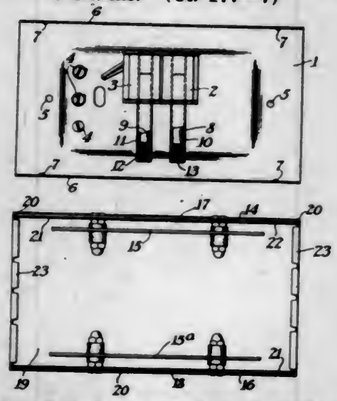
to a cool aqueous slurry of sodium aluminum sulphate containing an excess, but not more than a 3% excess, of sodium sulhate, maintaining such excess throughout at least the major part of the crystallization period, and separating the resulting crystalline product from mother liquor.

2,189,180
BOOKMARKER
Russell C. Rathsam, Chicago, Ill.
Application November 1, 1937, Serial No. 172,119
2 Claims. (Cl. 116—119)



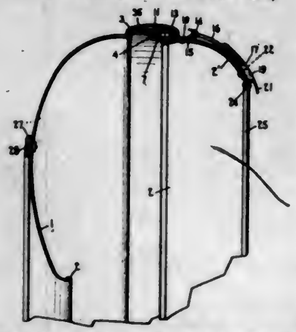
1. In a bookmarker, in combination, a pair of rigid end stem members adapted to be located one between each cover and the adjacent leaves of a book and having its inner edge closely adjacent the hinge of said cover, said stem members being of sufficient length to project beyond the upper and lower edges of said leaves and being provided with notches which open from the extremities of the stem members and extend into a position substantially in register with said leaf edges, a rubber band extending over the outer sides of said stem members, through said notches and around the leaves of the book and having upper and lower lengths extending over and below the book leaves respectively, intermediate rigid stem members adapted to be located between certain of said leaves and provided with similar notches adapted to be aligned with the notches of said end stem members and to receive said upper and lower lengths of said rubber band to hold said intermediate members in definite position relative to the adjacent leaves of the book, the major portion of each intermediate stem member being displaced outwardly away from its ends towards the outer side of the leaves, said displaced portions being provided with numbers corresponding to the lines of the book, and tabs slidably mounted on said outwardly displaced portions to indicate a number thereon and the corresponding line on an adjacent page, the outward displacement of the major portions of said intermediate stem members being sufficient to provide clearance for the movement of said tabs along their major portions.

2,189,181
SIGNAL DEVICE
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application June 20, 1938, Serial No. 214,767
2 Claims. (Cl. 177—7)



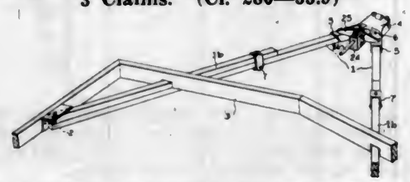
1. A signal device comprising a housing consisting of a panel, a solenoid carried by said panel, a housing portion detachably secured to said panel and affording therewith a resonance chamber, a chime bar mounted on said detachable portion within the resonance chamber, said housing having an opening opposite a portion of the chime bar, and a striker located within the solenoid and movable to engage said chime bar.

2,189,182
TIRE COVER
Creighton W. Ryerson, Jackson, Mich., assignor to Ryerson & Haynes Inc., a corporation of Michigan
Application December 31, 1931, Serial No. 584,030
3 Claims. (Cl. 150—54)



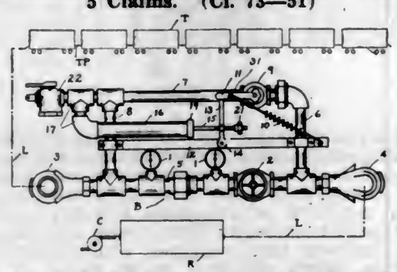
1. A tire cover for the space tire and wheel assembly of automotive vehicles, comprising two freely telescoping cover parts being so arranged as to nest within each other to a greater extent than ever possible when installed on a tire, one of said parts constituting a back band and extending over a portion of the tread and rear side wall of the tire, the other of said parts extending over the remaining portion of the tread and the front side wall of the tire, said parts conforming substantially to the contour of the tire covered thereby, said parts being so arranged that when in position they directly engage the tire and are solely spaced by the tire, releasable latch mechanism for clamping said parts upon the tire, said mechanism including an extensible and contractible link, and yieldable means connected to one of said parts to which said link is fastened, said means being arranged to compensate for variations in tire sizes within predetermined limits.

2,189,183
TRAILER DRAFT MECHANISM
Arthur G. S. Sherman, Detroit, Mich.
Application August 17, 1936, Serial No. 96,383
3 Claims. (Cl. 280—33.9)



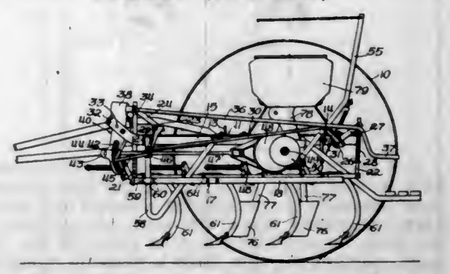
2. A trailer draft connection comprising a pair of resiliently flexible draw bars, convergently extending forwardly from a trailer, means for rigidly attaching said bars to the trailer, and means rigidly interconnecting the forward ends of the bars, whereby any flexure of the bars must occur in unison.

2,189,184
AIR-BRAKE TESTING APPARATUS
Robert Simpson, Newell, Pa.
Application March 19, 1938, Serial No. 196,943
5 Claims. (Cl. 73—51)



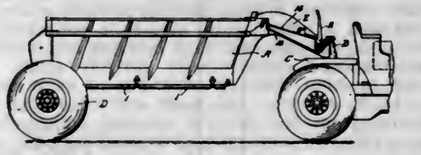
1. In air-brake testing apparatus including a supply of compressed air, an air line adapted to establish communication from said supply to the train-pipe of a line of coupled cars whose brakes are to be inspected and tested, and a valve arranged in said air line; the herein described refinements in such apparatus which include valve-controlling mechanism including means for shifting said valve from closed to open position, means for securing said valve in closed position when air pressure in said train-pipe is above a critical value, and means adapted upon reduction of train-pipe pressure to a point below critical value to render said valve-securing means ineffective, whereby an attendant at the end of said line of cars remote from said apparatus may momentarily vent said train-pipe and effect the immediate opening of said valve and the recharging of the train-pipe to a pressure above said critical value.

2,189,185
DRILL CULTIVATOR
Frank Thompson, Hamilton, Ontario, Canada, assignor to International Harvester Company, a corporation of New Jersey
Application August 17, 1938, Serial No. 225,322
2 Claims. (Cl. 97—244)



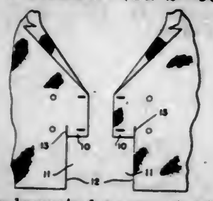
2. A cultivator comprising a support, a frame including longitudinal members and transverse members to which spring tooth elements may be secured, pairs of closely spaced members secured to adjacent transverse members, elements pivotally mounted on the pairs of closely spaced members, mechanisms connecting the elements and pairs of members for allowing the elements to swing upon a predetermined pressure against the ground-engaging portions of the elements, seed boots connecting the seed box and some of the elements, and means for adjusting the frame to a plurality of parallel positions at different heights with respect to the frame, said means including a pair of rock-shafts at the front and back of the support, connections therewith and with the front and back of the frame, links connecting the rock-shafts, a gear segment pivotally mounted on the support and connected with one rock-shaft, and a worm gear also mounted thereon and meshing with the gear segment.

2,189,186
DUMPING VEHICLE AND DOOR OPERATING MEANS THEREFOR
Emil L. Tranaas and Gene L. Omon, Milwaukee, Wis., assignors to Koehring Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 14, 1937, Serial No. 120,588
7 Claims. (Cl. 298—35)



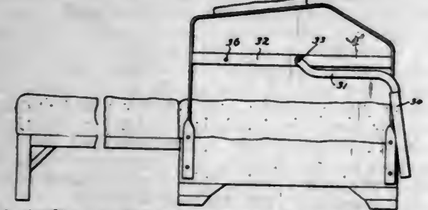
2. In combination, a vehicle comprising a dumping door and means for effecting opening and closing operations of said dumping door, including release mechanism for effecting the opening of the door, closing mechanism for causing the door to be restored to its closed position, and a manually operable controller common to said release mechanism and said door closing mechanism for governing the operation of the same, and including connecting instrumentalities yieldably engageable with the controller during release action of the doors by movement of the controller in one direction and positively engageable with the controller to effect closing action of the doors by movement of said controller in an opposite direction.

2,189,187
DOUBLE-BREASTED GARMENT
Thomas Turunen, Detroit, Mich.
Application April 24, 1939, Serial No. 269,804
3 Claims. (Cl. 2—96)



1. A double-breasted garment with overlapping flaps at the front side having portions adapted to be buttoned in overlapping relation and having edges extending below the buttoned portions of the flaps offset from the free edges of the buttoned portions of said flaps a distance predetermined to provide a slit on the vertical center line of the garment at the front side of the latter.

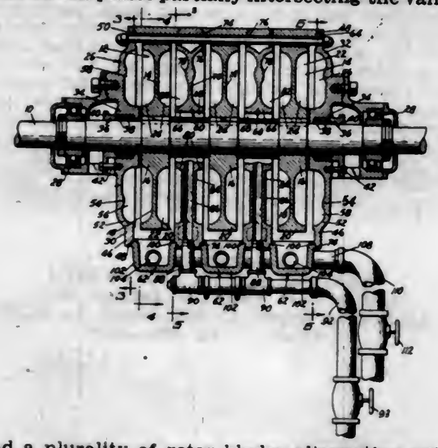
2,189,188
BACK REST AND PULL-OUT FOR SLIDING COUCHES
Samuel Weissman and Ralph Weisman, Detroit, Mich.
Application November 1, 1935, Serial No. 47,780
1 Claim. (Cl. 5—18)



A studio couch having a main base and an inner base, the main base being adapted to be drawn forwardly to uncover the inner base, lower and upper seat cushions normally placed on the main base, the upper cushion being adapted for use as a mattress for the inner base when the latter is uncovered, unitary end frames attached upon the outer ends of said main base and each having an upper transverse member serving as an arm rest and a transverse rail below said upper member and substantially on a level with the top of the upper cushion, a back having upright end portions and a longitudinal stretcher connected to said end portions, said back being of small height and disposed substantially entirely above the upper cushion, bracket arms, one at each end of the back, carrying the back and extending forwardly from the bottom thereof substantially along said rails and pivoted at their forward ends about midway between the ends of the rails to permit the back to be swung forwardly, whereby in an intermediate position it serves as a pull to draw the main base forwardly and in a lower forward position it lies wholly in front of, adjacent to and below the top of the lower cushion so as not to obstruct entrance at the front of the couch.

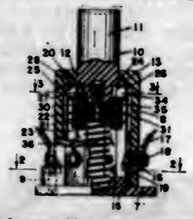
2,189,189
ABSORPTION DYNAMOMETER
Claude C. Bennett, South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Application September 18, 1937, Serial No. 164,438
13 Claims. (Cl. 188—90)

1. A dynamometer comprising a plurality of stator plates each having radially extending vanes, a circumferentially extending raised surface on the plates partially intersecting the vanes,



and a plurality of rotor blades alternating with the stator plates each having radially extending vanes for cooperation with the vanes and raised portions on the adjacent stator plates.

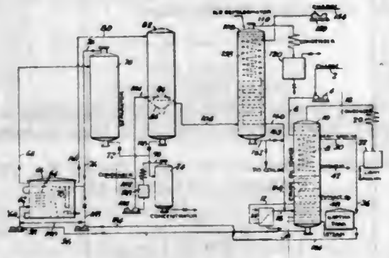
2,189,190
CIRCUIT CLOSER
Frank M. Blum, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 29, 1937, Serial No. 133,522
1 Claim. (Cl. 200—16)



In a circuit closer, the combination of a hollow housing of insulating material having a polygonal interior, a plunger reciprocating in said housing and having a two-part head of insulating material provided with pockets for contact balls and inclined spring pockets, means securing the parts of said head together, contact plates of varying length mounted in the walls of said housing, contact balls mounted in said first named pockets, a contact plate on said plunger with which all of said balls engage, springs mounted in said spring pockets and urging said balls against said last named contact plate and laterally into engagement with the walls of said housing.

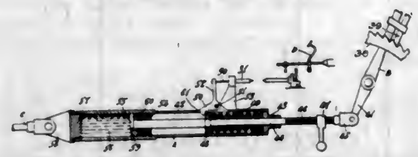
2,189,191
METHOD AND APPARATUS FOR PROCESSING CRUDE PETROLEUM
David G. Brandt, Westfield, N. J., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine
Application April 14, 1934, Serial No. 720,539
Renewed August 6, 1938
13 Claims. (Cl. 196—49)

13. In the method of controlling the heating of oil constituents subjected to heating operations in two coils mounted in a pipe still furnace, in which a relatively heavy oil stock to be treated is continuously passed through one of said coils and heated to a temperature sufficient to vaporize a substantial proportion of the stock, the resulting products discharged into a vapor-liquid separating chamber for separation of vapors from unvaporized heavy oil and the separated vapors continuously passed from the separating chamber through the other of said coils mounted in said furnace and subjected to a cracking temperature therein; the improvement which comprises firing the furnace to supply sufficient heat and temperature to the coils of said furnace at a substantially constant rate to heat a given quantity of the said oil constituents



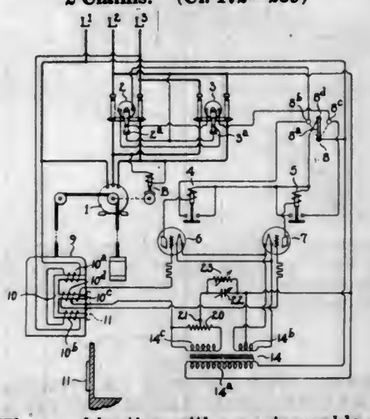
passing through said coils, separately introducing into each of said heating coils a relatively low boiling point distillate which is substantially lighter than said oil stock and in addition thereto to be heated and vaporized therein with the oil stock and the vapors derived therefrom passing through the coils thereby increasing the vaporization in said one coil and the quantity of vapors to be heated in said other coil, balancing the heat absorbed in the respective coils and controlling the temperature to which the oil constituents and introduced low boiling point distillate are heated in each coil from the heat and temperature applied in said furnace by varying the quantity of said low boiling point distillate introduced into each of said coils.

2,189,192
BRAKE APPLYING MEANS FOR VEHICLES
Denis Tabor Brock and Geoffrey Robert Greenbergh Gates, London, England, assignors to Automotive Products Company, London, England, a British company
Application August 28, 1937, Serial No. 161,518
In Great Britain August 28, 1936
2 Claims. (Cl. 188—106)



1. In a mechanism of the class described the combination of a service brake, a control member for said service brake, an emergency brake, a control member for said emergency brake, means for automatically applying the emergency brake as the control member for the service brake has overcome a predetermined value, and damping means adapted to retard the automatic application of the emergency brake.

2,189,193
ELEVATOR CONTROLLER
Glendon C. Brown, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 5, 1936, Serial No. 83,667
2 Claims. (Cl. 172—239)

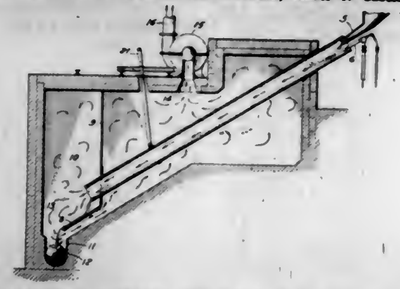


1. The combination with a reciprocable mechanism, a motor for driving said mechanism, an alternating current source, electro-magnetic reversing means, and switch means for controlling the operation of the mechanism between selected points of its path, of registering means connected in circuit with said reversing means when said switch means are in the "off" position and the mechanism is near a selected point, including a gaseous electronic discharge tube having a cathode and a grid, a transformer having relatively movable parts one part mounted on the mechanism and another part located at a selected point and adjacent to the path of the first part, said transformer having a primary winding connected to said source and a secondary winding arranged to have induced therein a voltage which varies in accordance with the position of the mechanism relative to the selected point, a supply of constant voltage, an electric energy storage circuit connected between said cathode and said grid to be charged to a given voltage by a current flowing therebetween and varying in response to an operating condition of said tube, and means to impress a voltage which is the resultant of said given voltage, said constant voltage and said varying voltage upon said grid of said tube to control said motor to effect registry of said mechanism.

2,189,194
APPARATUS FOR HEAT TREATMENT
John Goyer Brush, Westfield, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Original application December 28, 1936, Serial No. 117,898. Divided and this application December 22, 1938, Serial No. 247,147
1 Claim. (Cl. 263—21)

In a continuous heat treating apparatus, a stationary elongated heating chamber inclined at an angle sufficient to cause material being treated to slide through the same, means to feed material to be treated to the upper end thereof in a curtain, means to project a flame through the curtain of falling material, a dust chamber surrounding the lower end of the heating chamber provided with a baffle arranged to receive the material being treated and to spill it therefrom as a cur-

tain, and an exit port for gases from the dust chamber so arranged as to force the exhaust gases to flow through the curtain of discharging material and beneath the baffle, and a chamber



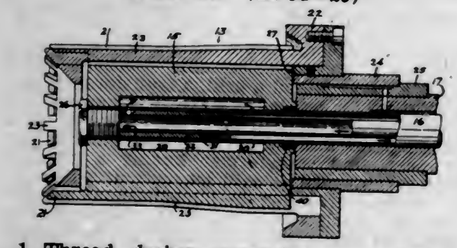
for receiving treated material, the bottom wall of the dust chamber being inclined to convey dust depositing thereon into the chamber for finished material.

2,189,195

APPARATUS FOR DRYING OR OTHERWISE TREATING THREAD OR THE LIKE

Alden H. Burkholder, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application March 9, 1937, Serial No. 129,848
Renewed July 19, 1939
13 Claims. (Cl. 34—29)



1. Thread drying apparatus comprising, in combination, a cantilever thread-storage, thread-advancing reel having one end thereof wholly unobstructed embodying at least one rotatable thread-advancing member which is supported from one end only thereof, said rotatable thread-advancing member having an imperforate body portion provided with an internal cavity, and, associated with said rotatable thread-advancing member, means for simultaneously supplying heating fluid to and removing it from said cavity through the supported end of said rotatable thread-advancing member.

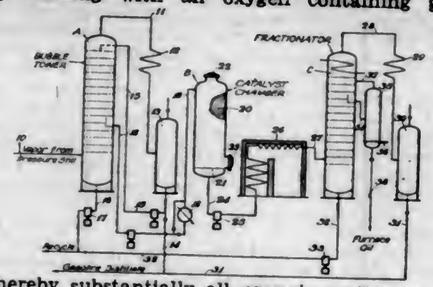
2,189,196

REFINING FUEL OIL

Morris T. Carpenter, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application November 23, 1936, Serial No. 112,261
3 Claims. (Cl. 196—39)

2. The process of producing from cracking still distillates, furnace oil characterized by freedom from formation of gums and non-volatile residues, comprising subjecting said distillates to polymerization by the action of a catalyst consisting essentially of a calcined mixture of phosphoric acid and kieselguhr at a temperature of 400 to 600° F. redistilling said distillate to produce a fraction suitable for domestic furnace oil, and regenerating said catalyst at intervals by burning with an oxygen containing gas,



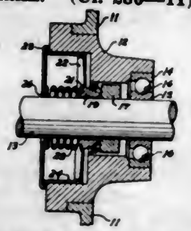
whereby substantially all organic matter is removed therefrom before reuse.

2,189,197

SEALING DEVICE

Joseph A. Cerny, Cleveland, Ohio, assignor to The Alpha Engineering Company, Inc., a corporation of Ohio

Application February 26, 1938, Serial No. 192,836
1 Claim. (Cl. 286—11)



A unitary cartridge sealing device for sealing a hole in a casing having a shaft therein, said shaft having an abutment portion thereon, comprising, in combination, a stamped metal cupped-shaped housing adapted for hermetic and press fit into the hole and provided with a peripheral shoulder portion to limit the insertion of the housing into the hole, a relatively large flexible disk-like member having a central opening through which the shaft may extend and having its outer peripheral edge portion provided with a cylindrical flange telescoping with and hermetically connected to the housing at the open end thereof by metallic adhesion means, a sealing ring carried by the inner peripheral edge of the disk-like member and adapted to hermetically engage the abutment on the shaft, and resilient means mounted in the housing for urging the sealing ring axially of the shaft against the abutment, the disk-like member being free for flexing throughout its entire radial extent to provide for a relatively large axial movement of the sealing ring without undue strain in the disk-like member.

2,189,198

COPPER-TITANIUM ALLOY

George F. Comstock, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 28, 1938, Serial No. 216,290
3 Claims. (Cl. 75—160)

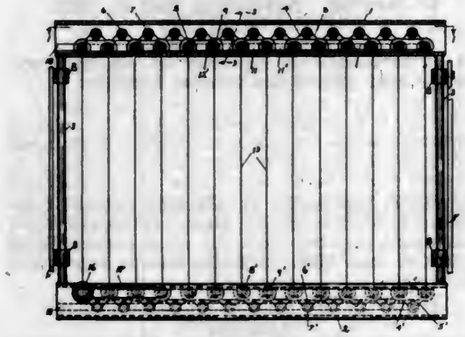
1. A heat-hardened copper alloy containing titanium from about 0.6 to 1.5%, silicon from about 0.1 to 0.6%, chromium from about 0.1 to 0.6%, and the balance consisting substantially entirely of copper.

2,189,199

SPACING APPARATUS

Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa

Application September 3, 1938, Serial No. 228,431
20 Claims. (Cl. 146—153)



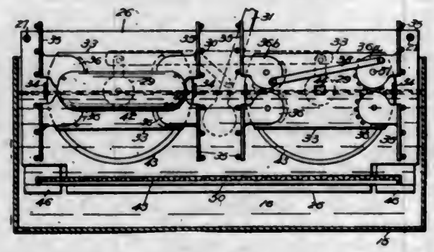
1. In a bread slicing machine, a blade guiding assembly comprising parallel hollow rectangular upper and lower cross-members united at their ends by parallel sidebars, parallel longitudinal slots formed in the front and rear of the cross-members the front slots extending from one end thereof nearly to the opposite end, and the rear slots extending lengthwise of said members from one end a distance substantially equal to the sum of the desired travel of all the pivot-shafts in either series, separate series of pivot-shafts mounted in said cross-members, respectively, each pivot-shaft having an extension passing outwardly through its corresponding front slot and being slotted to receive a slicing blade, the inner ends of said pivot-shafts forming alternate pivots of chains and being connected by flat links to alternating pivots slidingly mounted within said cross-members respectively, the innermost pivot-shaft of each series being rigidly units to its respective cross-member and the outermost pivot-shafts of both series having their rear ends extended so as to pass through the rear slots, and handles united to the rear extensions of the outermost pivot-shafts of each series by which their position can be manually adjusted.

2,189,200

MACHINE FOR FRYING FOOD

William T. Dusterdick, Denver, Colo.

Application June 24, 1938, Serial No. 215,605
19 Claims. (Cl. 53—7)



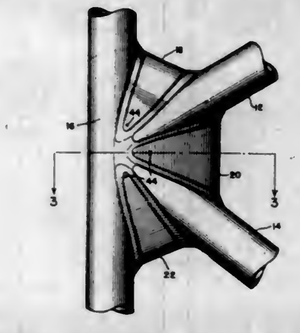
1. A device for frying doughnuts or the like comprising a container for frying-liquid, and mechanism inclusive of a screen member adapted to receive the doughnuts in predetermined formation for immersion into the liquid and a rotatable element positioned above said screen for turning the doughnuts after immersion.

2,189,201

GUSSETED FITTING

Fredric E. Flader, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application August 17, 1937, Serial No. 159,459
2 Claims. (Cl. 287—54)



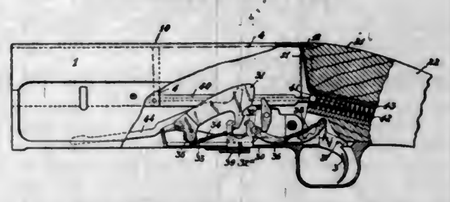
1. In a welded joint construction, a plurality of intersecting members, a gusset formed from a substantially diamond-shaped plate bent along its width such that its acute ends are substantially codirectional and spatially separated by the thickness of the intersecting members, and a continuous line of weld metal around the periphery of said gusset joining the same to the adjacent joint members.

2,189,202

AUTOMATIC FIREARM

Edward E. Garland, Belleville, N. J.

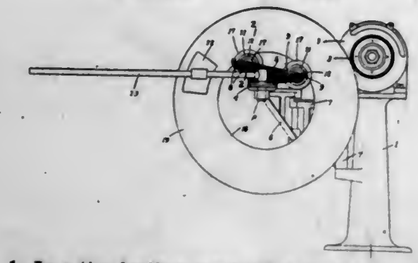
Application October 5, 1938, Serial No. 233,398
11 Claims. (Cl. 42—75)



11. In automatic firearm mechanism, a receiver having a cavity therein, a stock having its front end fitted to the rearward end of said receiver with its upper surface curving from substantially the top of said receiver smoothly and gradually downwardly to the small of the stock, a hammer mounted within said receiver and movable between cocked position and firing position, a U-shaped sear within said receiver pivoted by its base forward of said stock's front end, and including a front cocking hook and a rear safety hook, engageable alternatively with said hammer to hold it in cocked position and in a farther retracted position, respectively, a trigger pivoted rearwardly of said stock's front end and having an integral lever arm extending upwardly therefrom, and a bar pivoted by its forward end to said sear and by its rearward end to said trigger lever, and reciprocated lengthwise through a predetermined distance to move said sear by pivotal move-

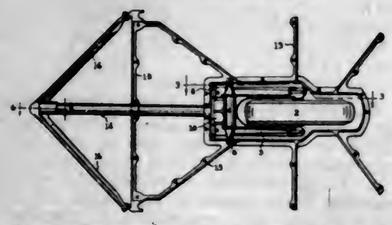
ment of said trigger commensurate with the effective length of its integral lever arm, thereby to release said hammer from engagement by said safety hook and to engage it by said cocking hook, and thereafter to release it from engagement by said cocking hook.

2,189,203
TIRE BUFFER
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application March 15, 1938, Serial No. 195,989
2 Claims. (Cl. 51—236)



1. In a tire buffing machine, a tire carrier comprising a box having upstanding spaced side walls, a pair of tire supporting rollers adapted to fit between the side walls, spindles on which the rollers are turnably mounted projecting beyond the ends of the rollers to overhang the side walls, a plurality of cradles depressed in the side walls from and open to the top thereof in spaced and transversely alined relation to selectively and removably receive the end portions of the spindles from above and means between each spindle at one end thereof and a cooperating cradle to hold the spindle against axial and rotative movement when the spindle is inserted into position in the cradles from above.

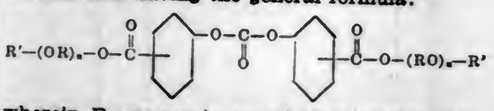
2,189,204
VEHICLE RUNNING GEAR
George R. Goin, Detroit, Mich., assignor to Peninsular Metal Products Corporation, a corporation of Michigan
Application October 19, 1936, Serial No. 106,397
4 Claims. (Cl. 280—124)



1. A vehicle running gear including a frame, an arm pivoted on the frame about an axis transverse to the vehicle and extending rearwardly from such axis, a wheel journaled on the rear portion of such arm, with its axis transverse to the vehicle, a leaf spring rigidly mounted on the frame substantially above the forward portion of the arm and having its rear portion freely bearing downwardly on the rear portion of the arm, a resilient snubber reacting between the frame and said arm, and a lug seating such snubber and projecting forwardly from the pivoted end of the arm.

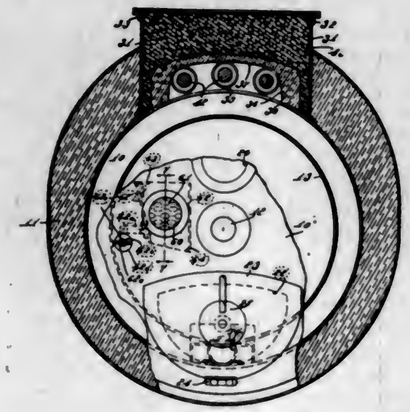
2,189,205
CARBONATES OF HYDROXYBENZOIC ACID ESTERS
Ernest F. Grether and Russell B. Du Vall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 31, 1938, Serial No. 211,015
6 Claims. (Cl. 260—463)

1. A carbonate of an ester of an hydroxybenzoic acid having the general formula:



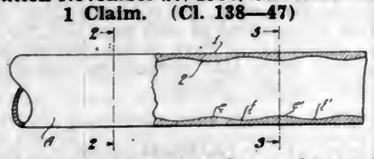
wherein R represents an alkylene radical containing at least 2 carbon atoms, R' represents a substituent selected from the class consisting of hydrogen and alkyl radicals, and *n* represents an integer.

2,189,206
APPARATUS FOR ELECTRICALLY ROASTING COFFEE BERRIES
George G. Griffin, Indianapolis, Ind.
Application January 8, 1938, Serial No. 183,956
6 Claims. (Cl. 34—5)



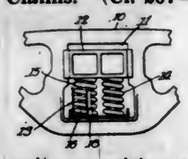
1. Apparatus for roasting coffee berries, and the like, comprising a roasting chamber capable of being sealed air-tight and having in its upper portion through the major part of the length thereof, an inverted pocket and an exhaust passage leading from the lower part of the chamber, relatively large-volume exhausting means associated with said exhaust passage whereby a vacuum may be maintained within the chamber during the entire roasting period, a foraminous rotary drum mounted in said chamber between the open mouth of said pocket and the said exhaust passage and provided with interior berry-lifting and agitating means, electrically energized incandescent heat units mounted in said pocket and extending the major portion of the length of the drum and outside the path of movement of said drum, the construction being such that a substantial portion of the light rays emanating from the incandescent heating elements will directly impact the berries, air-tight exit means from the interior of the roasting chamber to the exterior of the structure, and means by which the vacuum within the roasting chamber may be promptly broken.

2,189,207
CONDUIT
George F. Heath, St. Louis, Mo.
Application November 27, 1936, Serial No. 112,848
1 Claim. (Cl. 138—47)



A wire-conduit having a drag-reducing inner surface, the longitudinal contour of which conforms to the shape of a sinuous curve consisting of a series of uniform radially extending gently rounded valleys and crests, the arcuate distance between any two consecutive crests being substantially greater than the radial altitude of the crests.

2,189,208
NONHARMONIC LOAD SUPPORTING SPRING UNIT
Cyrus J. Holland, Chicago, Ill., assignor to Holland Company, a corporation of Illinois
Application May 2, 1938, Serial No. 205,503
6 Claims. (Cl. 267—9)



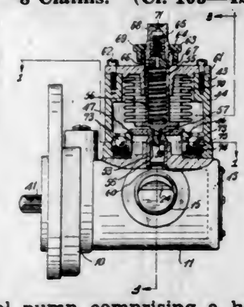
1. A spring unit comprising a friction member provided with a circular base plate forming a seat for said spring, said base plate having a solid central portion, a helical spring having one end directly engaging said base plate, a plurality of resilient arms integral with, and extending outwardly from, said base plate and frictionally engaging turns of said spring, said arms being provided with curves of short radius adjacent said plate, the outer ends of said arms being normally a different distance apart than their inner portions whereby when the device is in position on said spring, the arms will be substantially parallel and each will frictionally engage a plurality of turns of said spring.

2,189,209
PROCESS FOR CLEANING PILE AND OTHER FABRICS
Nish A. Jamgotch, Minneapolis, Minn.
No Drawing. Application March 6, 1937, Serial No. 129,472
9 Claims. (Cl. 15—269)

1. A brushless process for cleaning pile fabrics which consists in applying a mist-like spray of water and air to the fabric pile in quantities insufficient to penetrate to the base of the fabric to any appreciable extent and to provide a substantially continuous film of water over the surface of the fabric, then applying a liquid detergent as a mist-like spray to the fabric pile and in such quantity as not to materially wet the base of the fabric, and then removing the detergent and loosened dirt by suction.

8. A brushless process for cleaning pile fabrics which consists in applying a spray of warm soft water to the fabric in quantities insufficient to penetrate to the base of the fabric to any appreciable extent, then spraying with a solution of a detergent containing a soap base in which bentonite and acetic acid are incorporated, then spraying on a substance which contains acetic acid and which reacts with the detergent to decrease its filming action, and then applying suction to remove the applied substance and dry the fabric.

2,189,210
FUEL PUMP
James P. Johnson, Shaker Heights, Ohio, assignor, by mesne assignments, to Pump Engineering Service Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1938, Serial No. 195,574
8 Claims. (Cl. 103—42)



1. A fuel pump comprising a housing proper having a fuel inlet opening and a fuel outlet opening, pumping means in said housing adapted to transfer fuel from the inlet opening to the outlet opening, a second hollow housing detachably connected to said housing proper, said hollow housing being provided with a transversely extending partition having an axial opening therethrough to provide a valve seat on its outer side, said housings having aligned openings providing respective passageways between the outlet opening and the under side of said partition and the inlet opening and the outer side of said partition, a movable relief valve member having a valve head engageable with the valve seat on said partition and a depending stem piloted in an opening in the adjacent portion of said housing proper to provide a dash pot, said valve member being normally adapted to control the flow of excess fuel thereby during the operation of said pumping means, an expansible and contractable bellows positioned axially within said hollow housing, said bellows having its inner end closed and connected to the adjacent side of said valve head for movement therewith but in a manner such as to permit slight independent relative movement, while its outer end is connected to the adjacent portion of said hollow housing, the interior of said bellows being open to atmosphere, a coiled spring disposed axially within said bellows and having one end in engagement with the inner end of said bellows for normally maintaining said valve head in engagement with its valve seat, a manually operable means adjustably mounted on said hollow housing and having a portion engageable with the outer end of said spring whereby the tension in the latter may be varied, said partition being further provided with an opening extending transversely therethrough providing a valve seat on its under side, initially operable valve means mounted on said hollow housing and having a portion yieldably engageable with the last mentioned valve seat and adapted to initially by-pass fuel under pressure from the inlet opening to the outlet opening independently of said pumping means so as to fill the passageway on the pressure side of the pump, the continual introduction of by-passed fuel creating a pres-

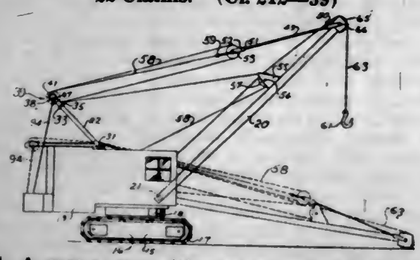
sure upon the under side of said relief valve unseating the same to permit flow of the by-passed fuel thereby with a minimum pressure drop in the discharged fuel, the opening of said relief valve causing the pressure acting on said initially operable valve means to drop to a point where the same closes.

2,189,211
HAND PRUNER OR LIKE TOOL
Francis T. Lind, Everett, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application June 11, 1938, Serial No. 213,224
8 Claims. (Cl. 30—262)



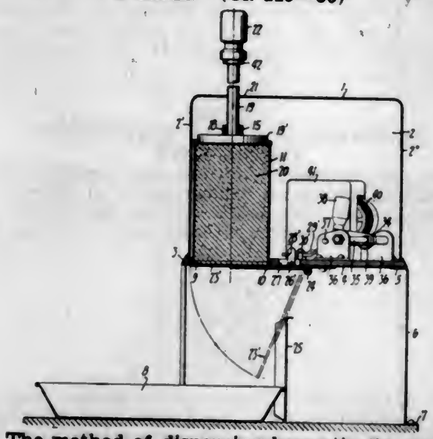
1. A tool of the class described comprising a pair of shouldered levers having reduced, overlapping, interpivoted, blade-carrying portions beyond the shoulders, one of the shoulders having a slot opening to the joint between the reduced portions and having a circularly curved outer boundary, a detent pivoted in the slot having a cross head overlying said boundary and forming a finger piece whereby the detent may be swung to protrude from the slot to overlie the adjacent reduced portion or retracted therein, the reduced portion of the other lever having a part cooperating with the detent.

2,189,212
CRANE
Rolf E. Ljungkull, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware
Application August 1, 1938, Serial No. 222,416
22 Claims. (Cl. 212—59)



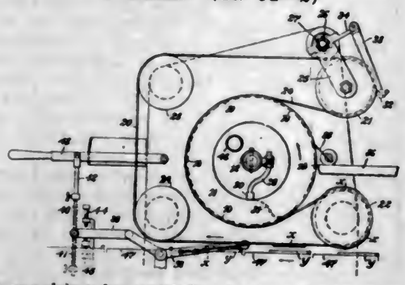
1. A crane comprising a supporting structure adapted to be propelled, a boom pivotally mounted upon said supporting structure and extending therefrom normally in oblique relation to the ground, a mast having an inner portion thereof pivotally secured to said supporting structure and an outer portion thereof normally in oblique relation to the ground and slanting upwardly in direction away from said boom, a boom suspension for supporting an outer portion of said boom from an outer portion of said mast, means between said supporting structure and an outer portion of said mast for accomplishing vertical swinging adjustment of said mast and for maintaining the mast at fixed oblique elevation, and mechanism upon said supporting structure for manipulating said means.

2,189,213
ANIMAL FEEDING METHOD
Alberta A. MacDonell, San Francisco, Calif.
Application August 9, 1938, Serial No. 223,865
1 Claim. (Cl. 119—56)



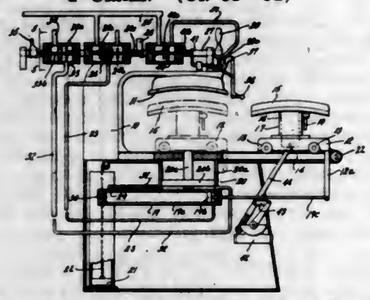
The method of dispensing hermetically sealed, canned dog food for consumption that comprises the steps of removing opposite ends of the can that contains the food, then positioning the food between movable surfaces covering the exposed food at opposite ends of the can while supporting the food between said surfaces by the sides of the can and thereafter and at a predetermined time after removal of said ends, moving one of said movable surfaces away from the food at one of said ends of the can and moving the other surface axially through the can to thereby eject the food out of the open end from which said one of the movable surfaces has been removed.

2,189,214
ICING OF OR THE APPLICATION OF CREAM OR THE LIKE TO BISCUITS
Robert French Macfarlane, Osterley, and William Edward Prescott, Peterborough, England
Application December 8, 1937, Serial No. 178,796
In Great Britain December 10, 1936
1 Claim. (Cl. 91—2)



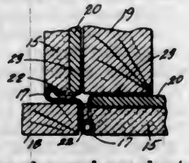
A machine for applying layers of cream or the like to biscuits, comprising a drum mounted to rotate about a horizontal axis, said drum having a peripheral series of stencil apertures, means for delivering cream into the drum through an end thereof to flow into said apertures, a scraper engaging the inner wall of said drum and operative to remove excessive cream from said apertures, an endless travelling band, supporting and guiding means therefor arranged to hold a lap thereon in engagement with a substantial arcuate extent of the lower exterior surface of the drum constituting with said drum a hopper for the cream, said band operative also to close said apertures to receive stencilled layers of cream therefrom, and convey said layers to a position where they are transferred to travelling biscuits.

2,189,215
PRESS OPERATING MOTOR AND CONTROL MECHANISM
Clifton S. Malott, Jr., Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application December 24, 1935, Serial No. 55,993
1 Claim. (Cl. 38—31)



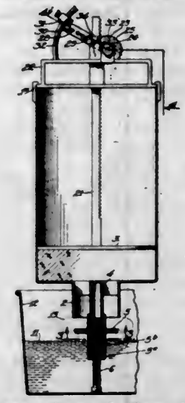
In a pressing machine of the class described, a pair of coacting pressing members relatively movable laterally into and out of registration and when in registration relatively movable into and out of pressure engagement, two fluid actuated motors, one for causing each of said relative movements, means for supplying fluid from said lateral-movement-causing motor to said pressure-engagement-causing motor when the former has completed said into-registration movement, control valves and a fluid conduit communicating with said lateral-movement-causing motor for operating the same, an outlet conduit for exhausting said pressure-engagement-causing motor, a normally closed valve in said outlet conduit, and control means adapted sequentially to open said normally closed valve and to actuate said first named control valves in out-of-registration-producing direction.

2,189,216
DOOR FRAME AND PLASTER BEAD
Robert J. Mathias, Cheviot, Ohio
Application January 10, 1939, Serial No. 250,176
11 Claims. (Cl. 72—98)



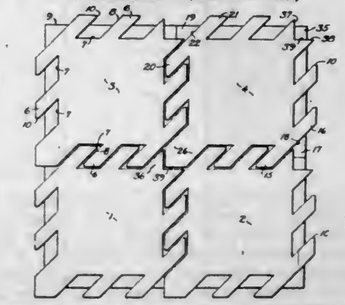
1. A structural member adapted to installation in a door opening, a cross section of which consists of flanges defining substantially right angles with substantially common legs; said right angles respectively being adapted to receive in a doorway, a corner of the "rough" opening, a door, and beads formed of doubled-over sheet material on the outer edges of the flanges adapted to retain plastic wall surface material.

2,189,217
DOUGHNUT MAKING APPARATUS
Irvin F. McDonald, Los Angeles, Calif.
Application April 23, 1934, Serial No. 721,955
7 Claims. (Cl. 107—14)



1. In an apparatus of the class described, a container having a discharge spout at its lower end, a cutter mounted at the lower end of said spout, means engageable with a foreign object for moving the cutter with respect to the spout, means for suspending the container and raising and lowering the same, a plunger reciprocally mounted in said container and having a gear rack extending upwardly and from the container, a pinion engaging the rack, a ratchet for rotating the pinion, a pawl for rotating the ratchet and operatively connected with the suspending means for moving the pawl by manipulation of the suspending means, and adjustable stop means for controlling the rotation of the ratchet and thereby limiting the movement of the plunger.

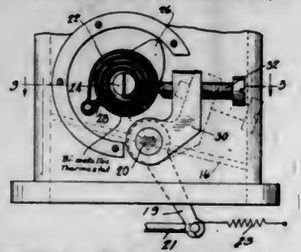
2,189,218
TILING
Carl L. Neumeister, Oak Park, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application December 6, 1937, Serial No. 178,490
5 Claims. (Cl. 72—25)



1. Tiling comprising a plurality of tiles adapted to be set edge to edge, each tile provided in its

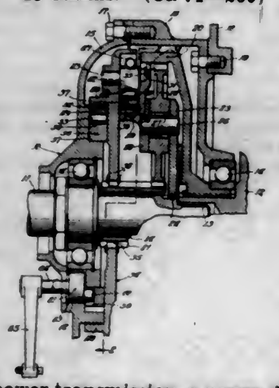
edge area with alternating tenons and mortises of complemental formation for engagement with the mortises and tenons of the next adjacent tile, said tenons and mortises having a thickness less than that of the tile, said tenons extending beyond the abutting edges of the tile, one of said tenons having substantially double-width and disposed at a corner of the tile, and said tenon adapted to underlie and support the contiguous corners of adjoining tiles in the tiling assembly.

2,189,219
CARBURETOR
Elmer Olson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 13, 1933, Serial No. 651,589
4 Claims. (Cl. 123—119)



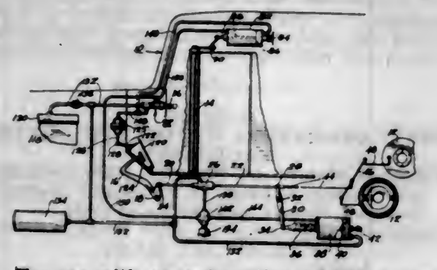
1. A control mechanism for an internal combustion engine carburetor having a throttle, comprising a shaft, a thermostat element fixed to the shaft, a rotatable stop member floating on the shaft, means connecting the thermostat to the stop member to rotate the same proportionally to temperature, and means associated with the throttle and engaging the stop member to prevent closing the throttle.

2,189,220
PLANETARY GEAR DRIVE
William B. Osborne, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 16, 1938, Serial No. 213,968
13 Claims. (Cl. 74—260)



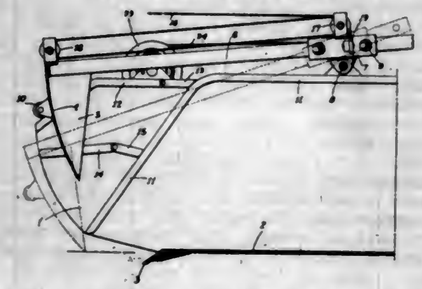
1. In a power transmission, a power drive shaft, a driven shaft, a planetary gearing between said shafts including a sun gear and a ring gear, a centrifugal clutch adapted to establish a direct drive connection between the sun gear and the ring gear, a brake for stopping the rotation of the sun gear at will to effect a change in the relative speeds of rotation of said shafts, said centrifugal clutch being operable in response to the rotation of said sun gear upon the release of said sun gear brake.

2,189,221
AUTOMOTIVE EQUIPMENT
Willard B. Paine and Alexander A. Agueeff, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 21, 1938, Serial No. 191,651
6 Claims. (Cl. 303—6.1)



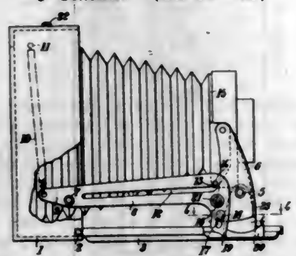
1. For use with an automotive vehicle, a combined system including a source of vacuum, vacuum means for applying brakes including a cylinder normally connected at both ends to the vacuum source and a brake-operating member in said cylinder, vacuum means for opening a door, control means for each of said vacuum means, said brake control means including a relay valve for connecting one end of said cylinder to the atmosphere irrespective of the control for the brakes when said door opening control means is operated to door opening position.

2,189,222
APRON CONTROL FOR CARRYING SCRAPERS
Julian D. Rapp, Turlock, Calif.
Application May 31, 1938, Serial No. 210,878
10 Claims. (Cl. 37—118)



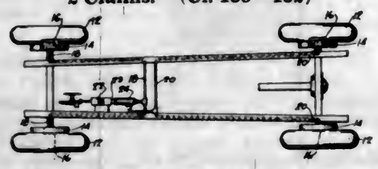
1. In a scraper, a bowl having side plates, a front apron movable between the plates, means mounting the apron for movement both lengthwise and vertically of the bowl, means to pull the apron rearwardly and means to move the apron forwardly; said apron mounting means comprising an arm rigid with and projecting rearwardly from the apron, and a sleeve mounted on the bowl for rocking movement in a vertical plane and through which the arm slidably projects, and said apron pulling means including a pull cable extending rearwardly from a point of pull ahead of the bowl, a pulley on the sleeve about which the cable passes and then extends forwardly and a connection between the apron and said forwardly extending portion of the cable.

2,189,223
FOLDING CAMERA
Wilhelm Reiche, Brunswick, Germany, assignor to Voigtländer & Sohn Aktiengesellschaft, Brunswick, Germany, a joint-stock company of Germany
Application April 22, 1938, Serial No. 203,522
In Germany May 7, 1937
9 Claims. (Cl. 95—40)



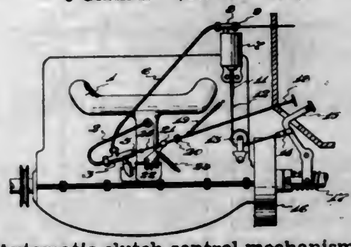
1. In a photographic camera that includes a body, a base-board hinged to the body and movable between closed and open positions, and a lever pivoted to the base-board and movable between collapsed and erected positions and adapted to carry a lens, the combination of a link pivoted to said body and pivotally engaging said lever and adapted to swing between collapsed and extended positions, the pivotal engagement between link and lever permissive of lost motion in a direction circumferential with respect to the centre of pivotal swing of the link, a spring engaging said link, and a shoulder upon said base-board, the parts so arranged that, under the tension of the said spring, the link moves to extended position carrying the base-board to open position and the lever to erected position, and at the end of its swing, by virtue of lost motion in the pivotal engagement mentioned, comes to locking position with said shoulder.

2,189,224
BRAKE
Glyn Pierce Roberts, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 14, 1936, Serial No. 90,554
In Great Britain October 7, 1935
2 Claims. (Cl. 188—152)



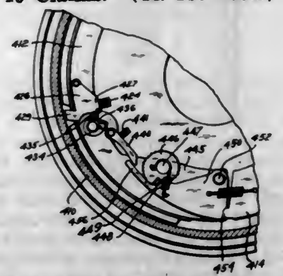
1. A hydraulic brake system comprising a plurality of sets of brakes, fluid motors for each of said brakes, conduits leading to each of said sets of brakes, a pressure creating device connected to said conduits, and a pressure limiting device interposed in one of said conduits, said pressure limiting device comprising a cylindrical member having a connection leading to the master cylinder, a connection leading to one of said sets of brakes and a connection leading to the other set of brakes, and being provided with a piston acted on by the pressure developed in said system, a spring urging said piston in a direction opposed to that in which the pressure of the fluid urges the piston and arranged when held in its normal position by said spring to allow passage of fluid and pressure of fluid to both of said sets of brakes, but arranged when said spring is compressed by the pressure of the fluid to close off the connection to at least one of said sets of brakes.

2,189,225
AUTOMATIC CLUTCH OPERATING MECHANISM
Robert C. Russell, Dallas, Tex., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application April 27, 1931, Serial No. 533,128
6 Claims. (Cl. 192—.01)



1. Automatic clutch control mechanism for engines including in combination with the throttle control and intake manifold of said engine, a cylinder and a piston therein having operative connection with said clutch; a valve having connection with said manifold, said cylinder and the atmosphere; a piston in said valve, and a single rod having a lost-motion operating connection interconnected between said throttle control and said valve piston whereby to allow the latter to yield to the vacuum in said manifold when said throttle is opened.

2,189,226
BRAKE
William J. Ryan, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application January 11, 1937, Serial No. 119,927
19 Claims. (Cl. 188—79.5)

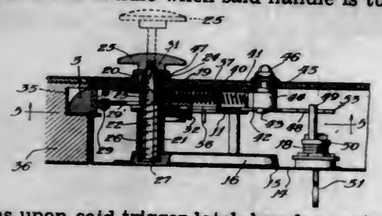


19. A brake comprising shoes, a drum, means for adjusting for wear which is shiftable to increase the effective length of the shoes and which includes a part directly engageable with the drum and through which the drum operates said means, a pivoted member movable to maintain said means in adjusted position without preventing further adjustment, and a spring connected to the pivoted member and urging it in a direction to maintain the adjusted position.

2,189,227
DOOR LATCH
Fred C. Schoch, Oak Park, Ill.
Application February 28, 1938, Serial No. 193,012
4 Claims. (Cl. 292—1)

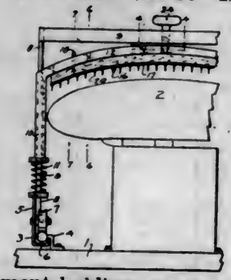
1. A door lock comprising in combination a frame, a latch bolt slidably positioned in said

frame, an inner and outer handle for actuating said latch bolt, said outer handle having a rotatable spindle and a tubular stem contractible lengthwise of the spindle, a trigger latch for holding the tubular stem in contracted position, said trigger latch comprising a bar slidably mounted in said frame parallel to, and adjacent said latch bolt, means upon said latch bolt for contacting said inner handle whereby said latch bolt is moved by said inner handle when said handle is turned,



means upon said trigger latch bar for contacting said inner handle whereby said bar is moved by said inner handle substantially simultaneously with the movement of the latch bolt for permitting the return of the tubular stem to dispose the outer handle in operative position, and means upon said spindle for engaging said tubular stem when said stem is in extended position, whereby said stem may be moved to contracted position by said spindle.

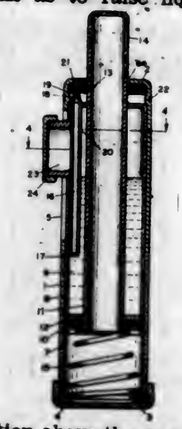
2,189,228
APPARATUS FOR HOLDING GARMENTS WHILE BEING STRETCHED
Elmer Schultze, Tacoma, Wash.
Application February 23, 1937, Serial No. 126,986
3 Claims. (Cl. 38—12)



1. In garment-holding apparatus, the combination with the table and buck of a pressing machine, of a pair of parallel rails secured to said table one on each side of said buck; a carriage mounted on said rails and adapted to move to any position thereon; a vertically movable clamp arch extending above and across said buck and mounted on said carriage, and adapted to clamp goods between it and the buck; and means mounted on said clamp arch and engaging said carriage and adapted to releasably hold said clamp arch in clamping position.

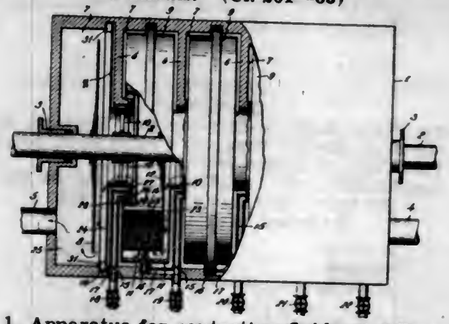
2,189,229
ATOMIZER
Rome C. Seyforth, Shelby, Ohio, assignor to The Shelby Metal Products Company, Shelby, Ohio, a corporation of Ohio
Application June 20, 1939, Serial No. 280,109
7 Claims. (Cl. 299—88)

2. In an atomizer, a liquid chamber closed to its exterior with the exception of a single eduction tube leading from the interior to the exterior of said chamber and provided with a nozzle on its exterior end, said tube having its inner end communicating with the liquid in said chamber and its wall above the liquid communicating with the air space in said chamber, said tube being of such dimensions as to raise liquid therein by



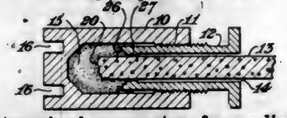
capillary attraction above the normal liquid level in said chamber to the point of communication of said tube with said air space, and means for forcing a current of air across the end of said nozzle.

2,189,230
CENTRIFUGAL CONTACTING APPARATUS
Howard W. Sheldon, Clarksboro, and Frank C. Fahnestock, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 24, 1939, Serial No. 252,558
6 Claims. (Cl. 261—83)



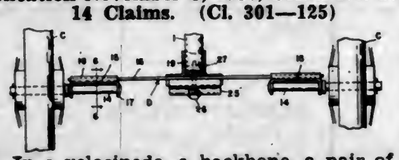
1. Apparatus for contacting fluids of different densities comprising a sealed non-rotating cylindrical shell having means to flow lighter fluid therethrough in a generally axial direction, within said shell an axial shaft and a cylindrical rotor supported and rotated by said shaft, seal means to prevent light fluid from passing between said shell and the periphery of said rotor, means to allow light fluid to enter said rotor axially at one end thereof, means to permit light fluid to depart axially from its other end, within said rotor partition means causing said light fluid to pass radially from center to periphery and then from periphery to center of said rotor through a flow space, without departing from the interior of said rotor, means to introduce heavier fluid to said flow space to flow radially outward therethrough, extended surface means in said flow space, a liquid collecting space within said rotor at its periphery, and means to permit heavier liquid to escape from the rotor near its periphery.

2,189,231
HIGH TEMPERATURE TERMINAL CONNECTOR FOR RADIANT HEATER ELEMENTS
Frank A. Simons, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 17, 1939, Serial No. 268,261
4 Claims. (Cl. 201—63)



1. As a terminal connector for radiant heater bars, the combination of a thimble internally threaded adjacent its rim, a male compression member threaded on its shank to engage the said internal threads of the thimble, and bored axially of sufficient caliber through its length to receive a resistor bar without seizing, and electrically conducting granular or powdered material within the thimble which has a fusion point higher than that to which the terminal will be subjected in use and which is compressible to engage and hold the end of a resistor bar when the shank of the male compression member is screwed into the thimble.

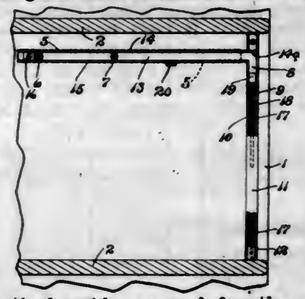
2,189,232
VELOCIPEDE CONSTRUCTION
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application November 8, 1937, Serial No. 173,495
14 Claims. (Cl. 301—125)



1. In a velocipede, a backbone, a pair of supporting wheels for the backbone, an axle for the wheels having a flexible portion intermediate its ends, a connection between the flexible portion of said axle and said backbone including cooperating members fastened to said backbone and straddling the flexible portion of the axle, and a clamp fastened to said backbone and holding the flexible portion of the axle in fixed position relative to said members.

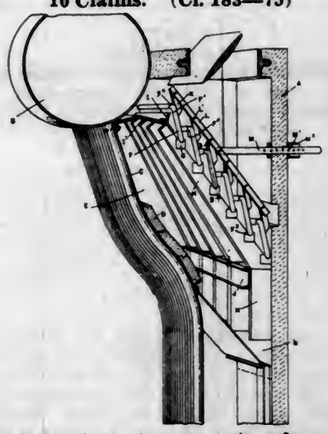
2,189,233
DISAPPEARING DOOR STRUCTURE
Charles Frank Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application June 26, 1939, Serial No. 281,213
6 Claims. (Cl. 16—96)

1. A mounting for doors comprising, two guides of channel form disposed substantially at right angles to each other to provide a continuous passage between the flanges of said guides, one of said guides being positioned substantially vertical and the other substantially horizontal, a cover member for the lower part of the vertical guide, whereby said vertical guide at its lower portion is of rectangular form in cross section and has a continuous vertical opening therethrough a supporting member in the lower part of the vertical guide, a compression spring located in said vertical guide and normally extending from said supporting member above said cover, a rod extending downwardly through the upper portion of said coiled compression spring, and a head at the upper end of the rod resting upon the upper end of said spring and located between the side flanges



of the vertical guide, as and for the purposes described.

2,189,234
CINDER TRAP
Herbert L. Wagner, Detroit, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application January 3, 1938, Serial No. 183,172
10 Claims. (Cl. 183—75)

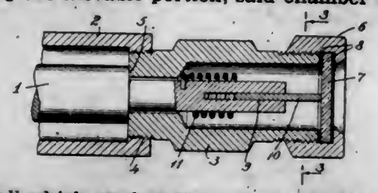


1. A cinder trap for removing from gaseous currents particles carried in suspension therein, comprising a group of hollow baffles arranged transversely across and at an oblique angle to the path of the current, a skimmer on each baffle for collecting the suspended particles impinging thereon and directing the same into the interior of the baffle while permitting the gases to continue over the exterior, and a conduit for supporting said baffles connected to the interior of each through which the accumulated particles are discharged.

2,189,235
ROTATION INDICATING DEVICE
Walter E. Wanner, Olean, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1938, Serial No. 203,846
2 Claims. (Cl. 62—1)

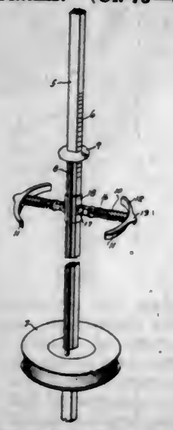
1. In an apparatus for the treatment of substances under pressure in which the substance treated undergoes a change which increases the likelihood of breakage of a moving part operating therein, and in which at least some of the materials in the apparatus would be dangerous if permitted to escape and would be deleteriously affected by the admission of air thereto, tubular passages through which the material is

propelled, propulsion means in each of the passages, and means for driving each propulsion means, said propulsion means having a movable portion extending beyond its respective tubular passage and positioned within a chamber sealed against leakage to the exterior of the apparatus of said dangerous materials which may progress along the movable portion, said chamber having



a wall which renders the movement of said portion discernible from the exterior of the chamber during the entire operation, whereby upon interruption in the operation of any of the propulsion means as a result of breakage the stoppage of the movable portion will be visibly indicated without the subjection of the atmosphere surrounding the apparatus to infiltration of said dangerous materials.

2,189,236
ULLAGE ROD
Oliver Watson, Dayton, Ohio, assignor of one-half to Bert F. Downey, Springfield, Ohio
Application March 22, 1937, Serial No. 132,259
14 Claims. (Cl. 73—319)



1. A liquid gage wherein a float mounted for to and fro movement relative to a gage rod actuates an indicator cooperating with graduations upon the gage rod to indicate the quantity of contents of a tank upon which the float rests, characterized by at least one horizontally extending longitudinally extendible and retractable spring biased supporting arm carried by the gage rod and detachably engageable with the margin of a tank opening through which the rod is introduced into the tank to support the rod in upright adjusted relation with the tank.

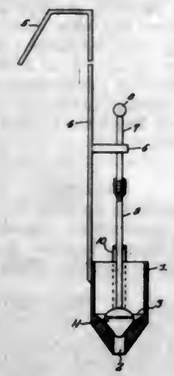
2,189,237
COMBINATION CUP AND PLUNGER OIL WELL PUMP
Frank Wilcom and Robert D. Thompson, Okmulgee, Okla.
Application July 21, 1937, Serial No. 154,870
1 Claim. (Cl. 103—204)

An oil well pump construction comprising a pump housing, a working barrel mounted within the pump housing, a pumping tube operating within the working barrel and in spaced relation therewith, providing a chamber between the pumping tube and working barrel, a scraper on the pumping tube and adapted to scrape sand from the working barrel, and deliver the sand to



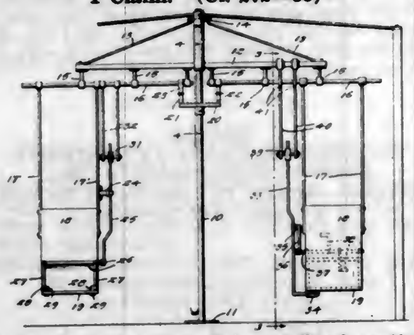
the chamber, valves adapted to control the passage of liquid through the pumping tube, valves adapted to control the passage of liquid into the chamber whereby sand is flushed from the chamber, and the last mentioned valves adapted to close on one stroke of the pumping tube preventing the return of sand and liquid into the pump from the chamber.

2,189,238
SAMPLING DIPPER
Israel J. Benjamin, Lisbon, N. Y.
Application May 23, 1938, Serial No. 209,593
3 Claims. (Cl. 137—18)



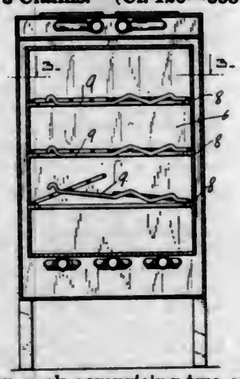
1. A milk sampling dipper comprising a cup-shaped receptacle having only a top filler opening and a bottom valve opening, a handle extending upwardly from said receptacle, a valve member extending into the top filler opening and bodily removable therethrough for closing said valve opening, an operating member connected with said valve member and extending beyond the exterior periphery of said receptacle and downwardly along the outside of said receptacle for bearing against the edge of the mouth of a container into which the contents of said dipper is to be poured.

2,189,239
ROTARY SWING
Jerry Brewster, Senior, Gypsum, Colo.
Application September 13, 1938, Serial No. 229,767
1 Claim. (Cl. 272—33)



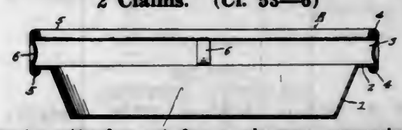
A rotary swing comprising a fixed vertically disposed stationary shaft, a horizontally arranged bar forming a cross head having a central sleeve-like hub rotatably fitting the upper end of said shaft, bearings depending from the underside of said bar beyond opposite sides of the shaft, rocking shafts journaled in said bearings and extending laterally from opposite sides of the shaft, a ratchet gear fixed to the first mentioned shaft, cranks fixed to said second named shafts, ratchet dogs pivoted to said cranks and reversely operative with the said ratchet gear, a pair of hangers fixed to one of the last mentioned shafts, a pair of hangers loosely fitted with the other of the said pair of last mentioned shafts, seats carried by said hangers, levers swingable relative to said seats, means associated with the seats for imparting swinging movement to said levers and manually controlled, pairs of crank arms, one pair being fixed to one of the pair of last mentioned shafts, the other pair of crank arms being in loose embracing engagement with the other of said pair of last mentioned shafts and suspended from the cross head bar, and cross head sleeves pivoted to the pairs of crank arms and slidably fitted with the swinging levers.

2,189,240
OVEN RACK
Raymond Burr, South Pasadena, Calif.
Application February 27, 1939, Serial No. 258,834
3 Claims. (Cl. 126—338)



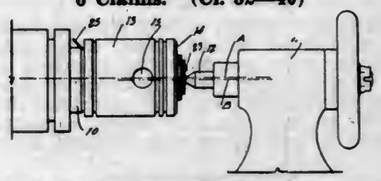
2. An oven rack comprising two separate semicircular sections formed with bars parallel to the straight edges thereof, and transverse bars carried by one section adapted to extend under the straight edge of the second section, and having hooked ends adapted to hook over any of the bars of the said second section and to be adjusted by a tilting movement of the two sections.

2,189,241
PIE PLATE RING
James Damon, Middletown, N. Y.
Application June 21, 1939, Serial No. 280,403
2 Claims. (Cl. 53—6)



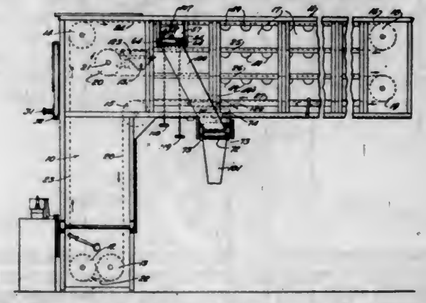
1. An attachment for a pie pan comprising a ring-shaped member encircling the rim of the pan and permanently connected therewith, said ring being vertically movable on the rim, upper and lower stops at the edges of the ring for limiting vertical movement of the ring and resilient means on the interior of the ring for engaging the rim for holding the ring in raised or lowered position.

2,189,242
DEVICE FOR GRINDING ECCENTRICITY IN PISTONS
Eric Edwin and Merle Peterson, Denver, Colo.
Application March 2, 1939, Serial No. 259,364
6 Claims. (Cl. 82—40)



1. A device for supporting work eccentrically on a center point comprising: a disc; a projecting point on one face of said disc for engaging the work; a socket on the other face of the disc for engagement with the center point, said point and said socket being out of axial alignment with each other; and a peripheral rim member about said disc.

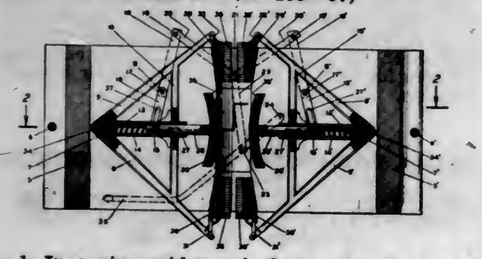
2,189,243
AUTOMATIC OVERHEAD PROOFER
Bernard A. Evans, Joliet, Ill., assignor to Champion Machinery Company, Joliet, Ill.
Application February 23, 1938, Serial No. 192,159
16 Claims. (Cl. 198—145)



1. In a proofer having an elongated casing, and a conveyor travelling into and longitudinally of said casing, said conveyor entering the casing at

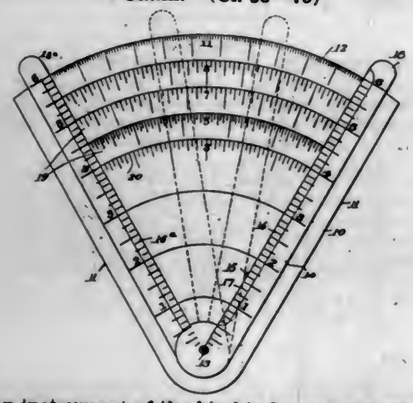
one end thereof, a second conveyor extending transversely of the casing beneath the first conveyor adjacent its point of entry of the first conveyor into said casing, means for effecting discharge of the material carried by the first conveyor onto the second conveyor, said casing having a discharge opening below the first conveyor and adjacent the end of movement of said first conveyor through the casing, a third conveyor at said discharge opening and extending transversely beneath the first conveyor, and transfer means leading from the second conveyor to the third conveyor.

2,189,244
GRIPPING DEVICE
Lloyd A. Gilbert, Billings, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 26, 1938, Serial No. 227,018
9 Claims. (Cl. 188—67)



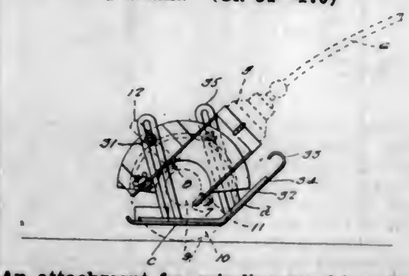
1. In a pipe spider, a body member having a pipe passageway therethrough, arms mounted within the body member, slips attached to the arms to grip a pipe traveling in either direction through the pipe spider, rocking members slidably attached to the arms, and means connected to the arms to urge the rocking members inwardly.

2,189,245
MEASURING INSTRUMENT
Antonio Guinez, New York, N. Y., assignor of one-tenth to Calogero Badalamente, New York, N. Y.
Application May 3, 1937, Serial No. 140,526
1 Claim. (Cl. 33—75)



An instrument of the kind indicated comprising a generally triangular flat body having one arcuate edge and an inscribed area equal to the segment of a circle whose periphery is co-incident with the arcuate edge, and a straight blade having a pivotal mounting at the point constituting the center from which the arcuate edge is generated, the inscribed area being formed with a series of uniformly spaced arcs which are uniformly divided throughout their lengths with the number of divisions in each prime to the number of divisions in every other arc, the extremity of the blade extending beyond the arcuate edge, and the body being formed with an extension at the arcuate edge at one side of the inscribed area.

2,189,246
GRINDING MACHINE ATTACHMENT
Elmer F. Henry, Raton, N. Mex.
Application January 11, 1939, Serial No. 250,411
1 Claim. (Cl. 51—170)



An attachment for grinding machines including a grinding stone and a motor therefor; a grind wheel guard hood, a gauge plate having an inclined forward end portion, slotted arms rising from the plate, a clamp for embracing the motor, said clamp being attached to the hood and securing members disposed through the slotted arms and being connected to the hood for adjusting the distance of the plate below the hood, said clamp being of cage construction and divided into a pair of hingedly connected sections, one section of the clamp being attachable to one side of the motor and the other section being attachable to the opposite side of the motor.

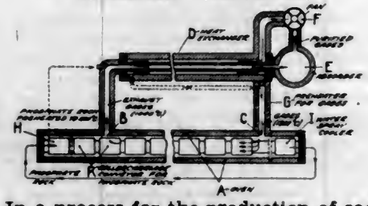
2,189,247
FOLDABLE LAP TABLE
Maria Johnson, Saugerties, N. Y.
Application February 7, 1939, Serial No. 255,133
1 Claim. (Cl. 311—25)



A foldable lap table comprising a leg section including a pair of parallel legs, reinforcing strips secured to the inner faces of said legs at the upper and lower ends thereof, upper and lower cross members bridging the legs and secured to the latter and the reinforcing strips respectively, crossed bracing members diagonally arranged with respect to the legs and secured thereto, a top member including a frame, corner blocks reinforcing the frame, a top secured to said frame, a rod like bar bridging the frame and extending beyond the same to provide trunnions rotatably mounted in the upper strips and

legs for pivotal movement of the top section with respect to the leg section for foldable association thereof, said top section being engageable with the upper cross member for the latter to limit the movement of the top section with respect to the leg section when the table is in set up position, and the lower cross member providing a rest for the feet of the user to hold the table against undue movement when in use.

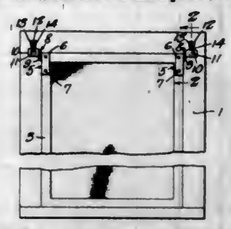
2,189,248
PROCESS FOR THE PRODUCTION OF PHOSPHATIC FERTILIZERS
Emil Lüscher, Basel, Switzerland, assignor to Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft (Gampel und Basel), Basel, Switzerland
Application January 7, 1937, Serial No. 119,520
In Switzerland January 18, 1936
11 Claims. (Cl. 71—44)



1. In a process for the production of easily assimilable phosphatic fertilizers from crude phosphates by decomposing said crude phosphates by heating in the presence of steam, the improvement which comprises passing a hot steam-containing gaseous medium over a material containing crude phosphates in direct contact therewith, which material has been preheated to at least 500° C. before coming in contact with any of said gaseous medium passed thereover while heating said material to the temperature necessary for the decomposition and maintaining the temperature of said rock substantially above 500° C. during the entire period of contact with said gaseous medium, contacting the gaseous medium which has been passed over said material with a material capable of removing therefrom the fluorine compounds and the other volatile products of the decomposition while preventing a decrease in the steam content and a loss of heat through condensation, bringing an amount of the purified gaseous medium in heat exchange relationship with the gaseous medium which has been passed over said phosphate containing material but before said gaseous medium has been purified and thereafter recirculating such amount of the heated purified gaseous medium containing steam over said phosphate containing material, such amount of steam which is recirculated being at least sufficient to prevent reduction of the amount of steam in circulation, said recirculation being such that a considerable amount of steam with reference to the phosphatic material is continuously recirculated over said material.

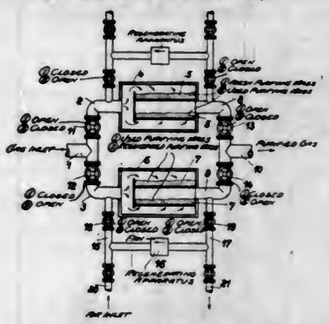
2,189,249
SCREEN AND STORM SASH HANGER
Joseph H. Meredith, Springfield, Mo.
Application April 4, 1938, Serial No. 199,982
2 Claims. (Cl. 16—172)

1. A hanger comprising companion sections; one of said sections having a flat base of substantially rectangular formation in plan, a transversely extending arm portion integrally attached to one of the longitudinal edges of the base adjacent the top edge thereof, the extremity of the arm having an elongated slot and the portion of the arm immediately laterally of the said base extending angularly upwardly and outwardly from the base and being bent to position the extremity thereof in a plane parallel with and laterally of the base above the said top edge; and the other of the said sections adapted to be positioned



laterally of the base portion of the first-mentioned section below the extremity of the arm and being of substantially triangular formation in plan and having the apex thereof rolled upwardly to constitute a hook adapted to register with and to be received by the elongated slot in the extremity of the arm of the said first-mentioned section.

2,189,250
PURIFICATION OF GAS
Robert Mezger and Theo Payer, Stuttgart, Germany
Application May 17, 1937, Serial No. 143,164
In Germany May 19, 1936
6 Claims. (Cl. 23—3)

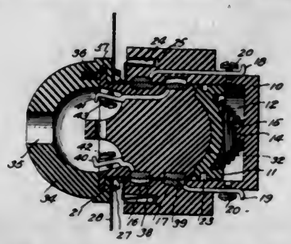


1. The hereinbefore described method of gas purification comprising subjecting gas containing nitrogen oxide to contact with mass comprising metallic sulphide and humous material, and regenerating said mass thus caused to take up nitrogen oxide so as to separate out nitrogen oxide and to convert metallic sulphide into metallic oxide and uncombined sulphur, said humous material being of an amount such as to prevent ignition producing temperature during said regenerating, and said regenerating being effected by means of a current of gas containing a small quantity of oxygen.

2,189,251
PLUG CONNECTOR
Gordon W. Potter, Dayton, Ohio
Application August 16, 1938, Serial No. 225,236
2 Claims. (Cl. 173—330)

1. A plug connector comprising a socket member, a concave guide disc forming a closure in the open end of the socket member, a helical spring connected to the closure and to the inner end of the socket member for yieldably holding the disc at its outer limit of movement in the

socket member, longitudinal strips of insulating fabric connecting the convolutions of the spring for limiting extension of the spring, arcuate resilient metal bars countersunk in the inner surface of the socket member and forming circuit terminals in combination with a plug member having a convex end face adapted to seat in the



concave disc, and annular metal bars forming circuit terminals on said plug member, manual movement of said plug member in a rectilinear direction against said guide disc moving the guide disc to its inner limit of movement in the socket member until the circuit terminals of the plug member engage the circuit terminals of the socket member.

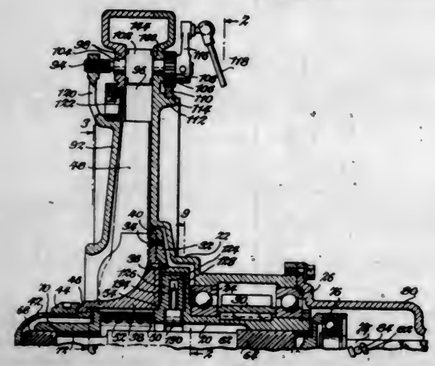
2,189,252

BLOWER

Ferdinando Carlo Reggio, Buffalo, N. Y.

Application May 7, 1938, Serial No. 206,603

9 Claims. (Cl. 230—114)



1. A centrifugal blower including an impeller chamber, a rotatable impeller therein, a member coaxial with said impeller and capable of rotating relatively thereto, flexible blades slidably mounted in said impeller, said blades having their inner end tangentially secured to said member and their outer end projecting in a substantially radial direction, means for rotating said member relatively to said impeller whereby the relative position of said blades in said impeller may be varied.

2,189,253

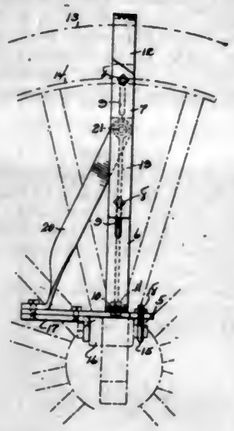
WHEEL SCRAPER

August O. Schuman, Palisade, Nebr.

Application March 10, 1939, Serial No. 261,110

1 Claim. (Cl. 280—158)

A scraper or cleaner for a wheel having a skid ring and a steering knuckle fitting, comprising an adjustable arm having a scraper end saddling the skid ring, a supporting plate carrying said arm, means separably engageable with the knuckle fitting at opposite sides thereof for the fastening of the supporting plate in fixed posi-



tion and holding the arm vertically upright, braces between the arm and said supporting plate, and means for adjusting the said arm.

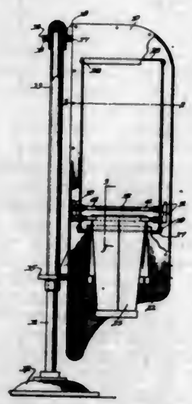
2,189,254

DISPLAY RACK

John T. Smith, Clovis, N. Mex., assignor of one-half to W. C. Overton, Fort Sumner, N. Mex.

Application March 14, 1938, Serial No. 195,917

5 Claims. (Cl. 211—13)



1. A display rack comprising a hollow panel-like sheet metal casing consisting of a section forming a side and the end walls of the casing and having an opening formed in the side wall, a second section forming the other side wall of the casing and having an opening registering with the opening in the side wall of the other section, a pair of spaced metal strips extending between the side walls within the opening formed by said walls, each strip being provided with spaced parallel longitudinally extending slots, each slot being aligned with one of the slots of the opposite strip and forming therewith a hanger receiving guide, and a plurality of hangers slidably mounted in said guides and adapted to support and display articles of apparel on both sides of the panel-like casing.

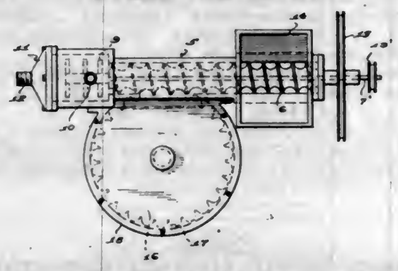
2,189,255

FEEDER OR INJECTOR

Lawrence G. Smith and James F. Green, Oshkosh, Wis., assignors to The Green Co. Inc., Oshkosh, Wis., a corporation of Wisconsin

Application February 20, 1939, Serial No. 257,537

1 Claim. (Cl. 259—10)



In a device of the character set forth, a conveyor cylinder including means adjacent one end for admitting material thereto and provided with a slot adjacent the opposite end thereof, a mixing chamber formed on the latter-named end of the cylinder and including means for admitting material thereto other than from said cylinder and provided with a single outlet, a spiral conveyor extending the full length of the cylinder and having a bore arranged axially thereof and extending the full length of said conveyor, a shaft journaled in the bore with one end terminating in the chamber and the other end terminating outwardly of the bore and cylinder, belt pulleys secured on the shaft and the spiral conveyor outwardly of the cylinder, a plate closing one end of the cylinder and providing a journal for the conveyor, agitating fingers on the portion of said shaft located within the chamber, a casing having a slot matching the slot of said cylinder, and a toothed disc journaled in the casing and extending through the slots with teeth thereof meshing with said spiral conveyor.

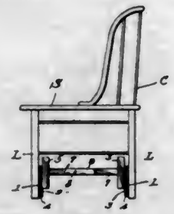
2,189,256

ADJUSTABLE CHAIR OR THE LIKE

Hugh R. Stahl, Wood, S. Dak.

Application July 6, 1938, Serial No. 217,739

2 Claims. (Cl. 155—38)



2. The combination with an article of furniture having a pair of legs, of an extension attachment therefor including hinges secured to the respective legs, extension members connected by the hinges to the legs and movable into position below and in alinement with the legs or above the bottoms of the legs and between said legs, links pivotally connected to the respective extension members, a pivotal connection between the links, and cooperating means on the links for holding them against relative swinging movement in one direction, said links cooperating to hold the extension members in either of their respective positions.

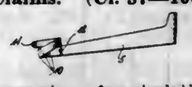
2,189,257

DEVICE FOR USE IN TWISTING THREADS

Alfred E. Sunderland, Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application March 20, 1939, Serial No. 262,976

4 Claims. (Cl. 57—106)



1. In an apparatus for twisting thread, a coil-shaped guide being relatively thin in cross section to provide a sharp, lower thread contacting edge.

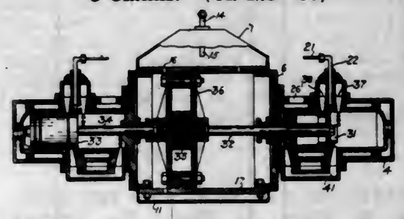
2,189,258

MOTOR MECHANISM

Julius J. Thaisz, Rutherford, N. J.

Application September 26, 1938, Serial No. 231,808

3 Claims. (Cl. 123—56)



2. A motor having the construction comprising a crank shaft, cylinders oppositely arranged, the said cylinders having cooling water chambers, a crank case between the cylinders, a crank slide and crank slide guide within the crank case, said cylinders having piston rods connected with the said guide, an oil pump mounted upon the said crank shaft and constructed to be operated thereby, oil tubes communicating with the interiors of the cylinders and with the said pump, an oil tube passing through the top of the crank case for discharging oil upon the crank slide and guide within the case and communicating with the said pump, and pumps arranged to be operated by the said crank shaft and having connections with the said cooling water chambers of the cylinders.

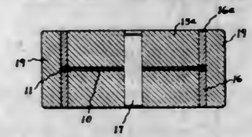
2,189,259

GRINDING WHEEL

Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

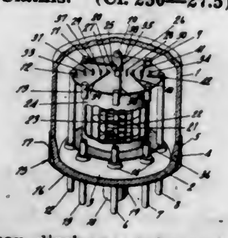
Application May 19, 1938, Serial No. 208,859

1 Claim. (Cl. 51—278)



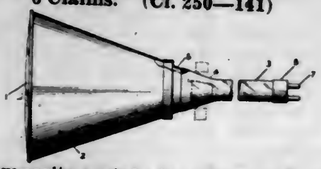
The method of making a diamond grinding wheel which comprises making a mixture of diamond grain with powdered metal, making another mixture of all metal powder, filling the inner part of a mold with the all metal powder, filling the outer part of the mold with the metal powder and diamond grain mixture, and selecting an amount of material for each part with relation to the mold such that in a pressing operation the inner part is between 5 and 15% denser than the outer part, closing the mold, then sintering at a temperature below the melting point of the metal.

2,189,260
ELECTRON DISCHARGE TUBE AND THE LIKE
Marcus A. Acheson and Raymond McClintock, Emporium, Pa., assignors to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application January 13, 1939, Serial No. 250,684
7 Claims. (Cl. 250—27.5)



1. An electron discharge tube mount comprising a header, a plurality of metal rods carried by said header, an electrode assembly surrounded by said rods, said rods extending upwardly to the upper end of said assembly, and connections from the upper ends of said electrodes to the upper ends of said rods.

2,189,261
CATHODE-RAY TUBE AND THE LIKE
Robert M. Bowie, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Original application September 4, 1936, Serial No. 99,384. Divided and this application June 29, 1937, Serial No. 150,906
6 Claims. (Cl. 250—141)



5. A composite metal-glass flare unit for joining an elongated glass neck to the metal body section of a cathode-ray tube which glass neck has a different coefficient of expansion from that of said metal body section comprising a metal ring having a preformed frusto-conical section sealed in a vacuum-tight manner to a preformed corresponding frusto-conical glass section, said ring and glass section being formed as a separate unit and having substantially the same expansion coefficient.

2,189,262
AZO DYESTUFFS
Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 17, 1937, Serial No. 175,033. In Germany November 26, 1936
2 Claims. (Cl. 260—199)

1. Azo dyestuffs of the general formula: A—N=N—B wherein A stands for the radical of a diazo component of the benzene series which contains in ortho-position to the azo group a group capable of being metallized, and B stands for a member of the group consisting of succinylamino naphthols and succinylamino naphthol sulfonic acids, which azo dyestuffs are distinguished by a good solubility in water and dye the fibers various shades of good fastness properties.

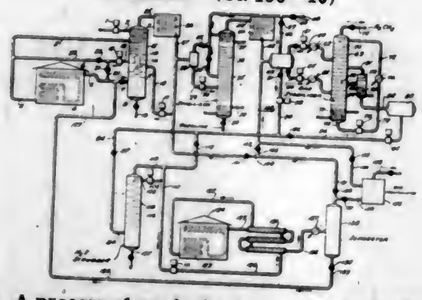
2,189,263
PRECIPITATION OF COPPER
Guenther Hamprecht and Gustav Pauckner, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 14, 1939, Serial No. 279,052. In Germany June 29, 1938
1 Claim. (Cl. 75—109)

In the precipitation of copper by means of nickel the use of nickel which has been prepared electrolytically and which has not been remelted after its electrolytical deposition.

2,189,264
FERROPRUSSIATE PHOTOREPRODUCTION
John Holden, Reddish, Stockport, England, assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
No Drawing. Application November 30, 1937, Serial No. 177,321. In Great Britain December 4, 1936
8 Claims. (Cl. 95—6)

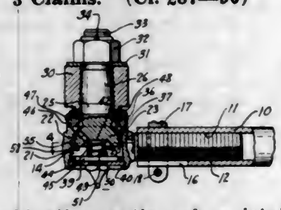
5. A developer for solution in water to fix the unreacted color forming components of a ferroprussiate light sensitive layer, stabilize and intensify the color forming components, comprising an oxidizing agent, zinc sulfate, magnesium sulfate and mono-sodium-ortho-phosphate.

2,189,265
MANUFACTURE OF GASOLINELIKE HYDROCARBONS
Percival C. Keith, Jr., Peapack, N. J., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application October 30, 1935, Serial No. 47,414
Renewed July 15, 1939
11 Claims. (Cl. 196—10)



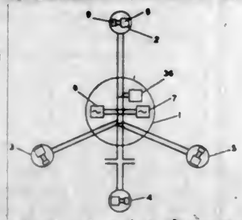
7. A process of producing normally liquid gasolinelike hydrocarbons from normally gaseous hydrocarbons which comprises passing normally gaseous hydrocarbons comprising saturated and unsaturated constituents of from two to four carbon atoms per molecule through a heating zone and subjecting said hydrocarbons to elevated temperatures and pressures to effect polymerization thereof into gasolinelike constituents, cooling said products of polymerization, separating the products of said polymerization into a gaseous fraction and a liquid fraction, passing said gaseous fraction directly into an enlarged zone having upper and lower sections, subjecting said gaseous fraction in the upper section of the enlarged zone to rectification and scrubbing, flowing liquefied constituents of said gaseous fraction into the lower section of said enlarged zone, heating the said liquefied constituents in the lower section of said enlarged zone to strip therefrom low-boiling hydrocarbons and to leave a residue consisting primarily of relatively high-boiling normally gaseous hydrocarbons, passing liquid constituents thus stripped of low-boiling materials to the upper section of said enlarged zone in liquid condition as scrubbing medium, removing hydrogen and methane from the upper section of said enlarged zone, withdrawing a liquefied fraction consisting primarily of hydrocarbons having from two to four carbon atoms per molecule from a point intermediate the upper and lower sections of said enlarged zone, and passing hydrocarbons thus withdrawn to said heating zone.

2,189,266
JOINT CONSTRUCTION
Reynold E. Klages, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio
Application December 1, 1937, Serial No. 177,559
3 Claims. (Cl. 287—90)



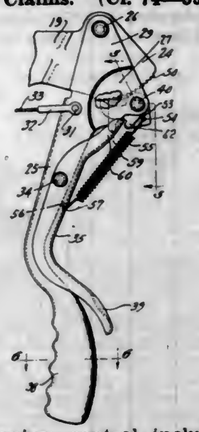
1. In combination, a tie rod; a joint housing connected to said tie rod and having a passage therethrough about an axis transverse with respect to the longitudinal axis of the tie rod; a portion of the wall of said passage being of curved configuration; a stud member having a semispherical portion projecting into the passage in said housing; a bearing seat member interposed between the spherical portion of said stud member and the curved interior surface in said housing, said bearing member having portions projecting beneath said stud member and arranged to provide limited relative movement between said stud member and said bearing seat; and means normally urging said bearing surfaces into constant engagement.

2,189,267
INTERCOMMUNICATING SYSTEM
Louis W. Kolorsy, Astoria, N. Y., assignor, by mesne assignments, to C. S. I. Development Corporation, New York, N. Y., a corporation of New York
Application October 21, 1936, Serial No. 106,789
13 Claims. (Cl. 179—1)



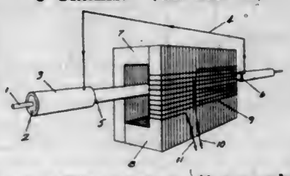
1. The method of voice frequency signaling from a distant station to a central station which comprises transmitting a sustained alternating current of a given frequency from the central station to the distant station, converting the received alternating current at the distant station into an alternating current of a different frequency, at the distant station modulating only the converted current in accordance with voice frequency signals, and transmitting the modulated current back to the central station.

2,189,268
MECHANISM CONTROL
Charles S. McCarthy, Toledo, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio
Application July 12, 1937, Serial No. 153,149
8 Claims. (Cl. 74—536)



1. A mechanism control including, in combination, a supporting plate formed of sheet metal and having a toothed lower edge; a lever formed of sheet metal and having portions at its upper end pivotally connected to said support above said toothed edge portion; said lever member terminating at its lower end in a hand grip portion; a plurality of pawls engageable with said toothed edge portion and carried by said lever; a pawl releasing member associated with said lever and adapted for engagement with both of said pawls; spring means engageable with said pawl releasing member and one of said pawls for normally urging both pawls into cooperative engagement with the toothed portion of said support.

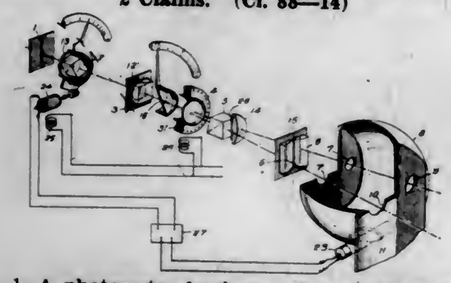
2,189,269
INTERCOMMUNICATING SYSTEM AND APPARATUS THEREFOR
Louis W. Parker, Astoria, N. Y., assignor, by mesne assignments, to C. S. I. Development Corporation, New York, N. Y., a corporation of New York
Original application April 26, 1937, Serial No. 138,894, now Patent No. 2,121,883, dated June 28, 1938. Divided and this application May 24, 1938, Serial No. 209,655
5 Claims. (Cl. 179—1)



1. In a signalling system, the combination of a signalling pair formed of a sheathed cable, the

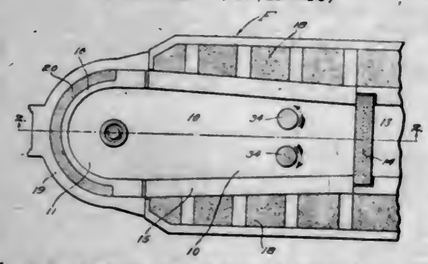
sheath of which forms one of the signalling pair, a transmitting station connected across said pair, a receiving station inductively coupled to said pair, a signal reproducer at said receiving station, a relay for controlling the circuit of the reproducer, and means also inductively coupled to said pair to control said relay.

2,189,270
PHOTOMETER CONSTRUCTION
Orrin Weston Pineo, Milo, Maine, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 7, 1938, Serial No. 228,737
2 Claims. (Cl. 88—14)



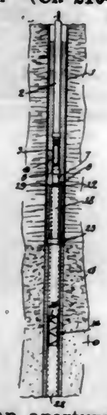
1. A photometer having a flicker mechanism including in optical alignment the following elements in the order named, a source of light, an adjustable polarizing photometering element, polarizing means capable of producing two divergent beams polarized at right angles to each other, means for rotating the planes of polarization of the beams at predetermined frequency in opposite phases, a fixed polarizing element through which the rotating polarized beams pass before encountering the materials to be measured, means located between the fixed polarizing element and the materials to be measured for transforming the beams of plane polarized light into beams which are circularly polarized for one wave length in the spectrum and elliptically polarized with varying degrees of eccentricity for the other wave lengths in the visible spectrum, the adjustment of the photometering element varying the relative intensities of the two polarized beams.

2,189,271
FOREHEARTH FOR AND METHOD OF CONTROLLING THE TEMPERATURE AND CONDITION OF MOLTEN GLASS
George E. Rowe, Wethersfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application April 16, 1937, Serial No. 137,155
6 Claims. (Cl. 49—56)



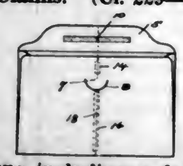
4. A forehearth comprising a glass flow channel having its outer end portion formed to constitute a glass delivery chamber, a pair of substantially vertical rotary glass stirrers depending into the glass in said channel at a place located a substantial distance rearwardly of the glass delivery chamber, said stirrers respectively being located at opposite sides of the longitudinal median line of the forehearth, means for rotating said stirrers about their respective axes, and means for adjusting said stirrers vertically and either stirrer laterally in said channel independently of the other stirrer.

2,189,272
SAND AND GAS TRAP
Marvin W. Russell and Paul G. Miller, Royalty, Tex.
Application August 22, 1938, Serial No. 226,164
1 Claim. (Cl. 210—57)



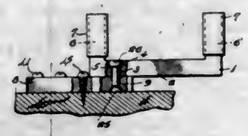
A trap including an apertured suction barrel closed at its lower end, a baffle barrel surrounding and spaced from the suction barrel and extending therebelow, the baffle barrel being open at its lower end and closed at its upper end, superposed baffles within the baffle barrel and below the suction barrel, the baffles being inclined downwardly in opposite directions alternately thereby to provide a tortuous passage extending within the baffle barrel from the lower end thereof to the suction barrel, and a liner barrel extending around and below the baffle barrel and closed at both ends, said liner barrel having inlet openings near its upper end for the admission of oil into the space surrounding the baffle barrel.

2,189,273
ENVELOPE
Wesley P. Shomaker, Richmond, Va.
Application June 29, 1938, Serial No. 216,422
5 Claims. (Cl. 229—85)



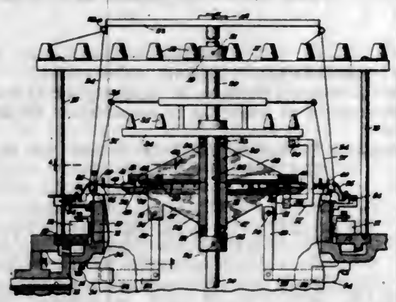
1. An envelope including a front wall and a back wall, a flap integral with the front wall and adapted to be folded over the back wall to cover a portion thereof, a free tab cut from the back wall and so located therein as to be exposed for grasping when the flap occupies its above indicated covering position, said tab having a base portion integral with the back wall and so located as to be covered by the flap when the latter is in the aforesaid covering position, and adhesive means provided on the envelope and so located as to operate as a fastening means between the flap and the aforesaid base portion, whereby, when the flap is fastened to the said base portion, the flap may be freed from the back wall by grasping the free tab and tearing out its base portion from the back wall.

2,189,274
STOP
Robert Williamson Storrs, Jr., Richmond, Va.
Application August 19, 1936, Serial No. 96,753
1 Claim. (Cl. 292—216)



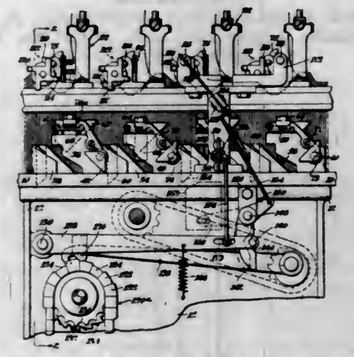
A device of the character described consisting of a base; arms respectively extending from said base; a bearing, an aperture centrally disposed in and near one end of said base; an orifice in said bearing adapted to register with said aperture; a rivet connecting said base and bearing in pivotal fashion, and a stop screw disposed in said bearing adjacent the apertured end of the base for engagement with the end face of said end only of said base so as to limit movement of the latter in two directions.

2,189,275
WRAP-AROUND APPARATUS FOR KNITTING MACHINES
Harry Agulnek, Brooklyn, N. Y., assignor to Samuel Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y.
Application March 7, 1939, Serial No. 260,378
18 Claims. (Cl. 66—135)



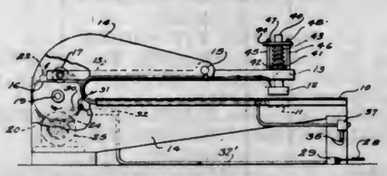
1. In a circular open top knitting machine an open-ended needle cylinder, a main yarn stand positioned above the cylinder for operatively holding body yarn cones in predetermined positions with respect to selected feeding stations about the cylinder, means for bringing the yarn from said cones into operative engagement with the needles on the cylinder, an auxiliary yarn stand between the cylinder and the main yarn stand, said auxiliary stand being adapted for operatively supporting vertical striping yarn cones in fixed predetermined positions with respect to the cylinder, feeding means adjacent selected needles on the cylinder for operatively bringing the yarn from the cones on said auxiliary stand into operative engagement with said selected needles, actuators for said feeding means and movable within a substantially horizontal plane, supporting means for holding said actuators during their operative movements in substantially horizontal positions, said supporting means being in fixed relation to the cylinder, a sinker cam ring exteriorly disposed with respect to the top of the cylinder, and cam means mounted upon said cam ring, said cam means projecting inwardly a sufficient amount for operative engagement with said actuators during the operative movement of the rotary portion of the machine.

2,189,276
METHOD AND APPARATUS FOR PRODUCING STRIPED KNITTED FABRIC
Harry Agulnek and Lester Mishcon, Brooklyn, N. Y., assignors to Samuel Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y.
Application June 9, 1938, Serial No. 212,670
13 Claims. (Cl. 66—42)



1. In a circular knitting machine for the production of striped fabrics, a needle cylinder, a plurality of needles operatively positioned thereon including a group of seam-producing needles, needle elevating and depressing means including a movable main tucker engageable with all said needles for operatively actuating them to produce knitted stitches, an auxiliary tucker engageable only with said seam-producing needles for operatively elevating them, and means for successively actuating both of said tuckers, said auxiliary tucker being operable in advance of said main tucker.

2,189,277
MEANS FOR PATCHING VENEER
Victor E. Anderson, Tacoma, Wash.
Application October 12, 1937, Serial No. 168,619
4 Claims. (Cl. 144—281)

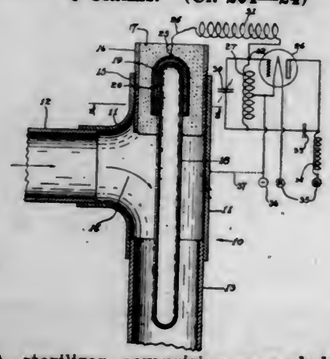


1. In a machine of the character described, a stationary pad, a movable pad in clamping relationship therewith, means for supporting the movable pad, means for actuating the support through a definite time interval to move its pad into clamping relationship with the stationary pad, and for an automatic release of said clamping action at the end of said time interval.

2,189,278
FRACTIONATION OF NITROGEN BASES
James R. Bailey and James L. Meadows, Austin, Tex., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 12, 1937, Serial No. 147,994
7 Claims. (Cl. 260—283)

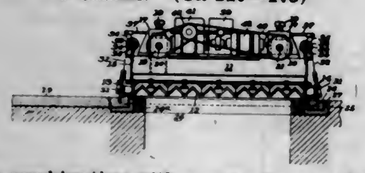
1. A process for fractionating nitrogen base mixtures which comprises converting a plurality of the bases contained in said mixture of bases into an aqueous solution of water soluble sulphites, removing a sufficient portion of the sulphur dioxide combined with said bases to render water insoluble the more readily dissociatable base, separating the liberated water insoluble base from the remaining nitrogen base sulphites and recovering independently nitrogen bases from the remaining base sulphites.

2,189,279
STERILIZER
Ralph E. Bitner, Port Washington, N. Y.
Application January 25, 1937, Serial No. 122,305
6 Claims. (Cl. 204—24)



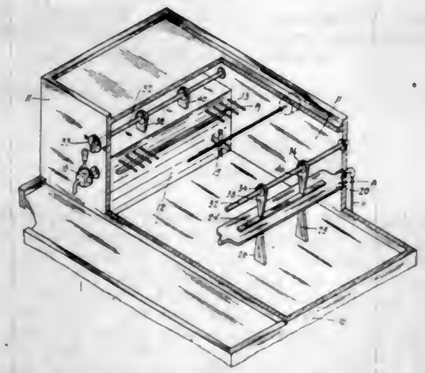
1. A sterilizer comprising a sealed envelope transparent to ultra-violet light, a substance capable of emitting ultra-violet light within said envelope, an external electrode in close proximity thereto, an evacuated annular jacket transparent to ultra-violet light surrounding the central portion of said sealed envelope, a source of high frequency electrical power, said power being electrically connected with said electrode, a conduit of conducting material, said envelope extending into same and electrically insulated therefrom and means for causing liquid to flow in said conduit in contact with said envelope, said power being electrically connected with said conduit, whereby an electrical discharge takes place through said liquid.

2,189,280
SOAKING PIT COVER
George M. Croft, Vandergrift, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application December 2, 1938, Serial No. 243,539
9 Claims. (Cl. 110—173)



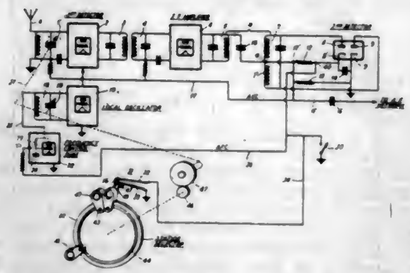
The combination with a cover for a soaking pit mounted for movement from a position over the pit to a position laterally thereof, of a sealing channel adjacent the pit, and sealing means movably mounted on said cover adapted to cooperate with said channel.

2,189,281
LIQUID COOLER
Crispino Di Felice, Ardmore, Pa.
Application June 3, 1938, Serial No. 211,691
5 Claims. (Cl. 62—141)



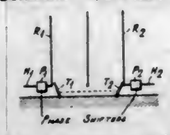
5. In a beverage refrigerating unit, the combination of a fluid container, said container comprising a pair of substantially parallel thin copper plates having their adjoining edges joined together to form said container unit, an ingress and an egress passageway through which a liquid may flow to be cooled, a stiffening member on the center portion of one of said plates, a cam on a cam shaft, a pressure rod connected to said cam and to said stiffening plate, said cam shaft being adapted to increase and decrease the distance between the said plates by turning said cam.

2,189,282
RECEIVER TUNING CONTROL
Dudley E. Foster, Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 23, 1935, Serial No. 55,749
24 Claims. (Cl. 250—20)



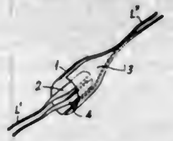
22. Selective adjusting mechanism comprising rotatable means including a portion formed with openings whereby said means may be grasped in turning the same, means extending in said openings and forming stops selectively operable in effecting turning movement to check said movement when said rotatable means reaches a desired adjusted position determined by the selected stop.

2,189,283
BEACON AERIAL
Kurt Fränz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 31, 1937, Serial No. 182,675
In Germany December 22, 1936
7 Claims. (Cl. 250—11)



1. In a beacon antenna system comprising a vertical radiating system for radiating a vertically polarized beam of radiant energy, said radiating system being mounted on a ground sheet of finite area whereby a horizontally polarized component of said beam is produced, the method of compensating for the distortion in said beam resulting therefrom which comprises radiating an auxiliary horizontally polarized wave of such amplitude and phase that said horizontally polarized component is neutralized.

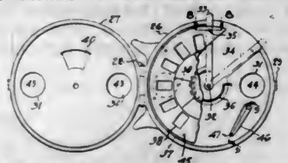
2,189,284
ADJUSTABLE TWO-POLE CAPACITIVE COUPLER
Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 26, 1937, Serial No. 176,576
In Germany September 19, 1936
1 Claim. (Cl. 178—44)



A two-pole capacitive coupler for coupling a pair of two conductor line sections comprising a pair of plates forming concentric segments of a cylinder connected to one line section, a second pair of plates also forming concentric segments of a cylinder and connected to the other line section, one of said pairs of plates being disposed within the other pair in coaxial inter-engaging relationship, one of said pairs of plates being rotatable with respect to the other whereby the coupling between said lines may be varied, said coupling being characterized in that the plates are smoothly tapered into the conductors of the line sections so that there results a steadily changing characteristic impedance whereby reflection at the junction of said line sections with said plates is avoided.

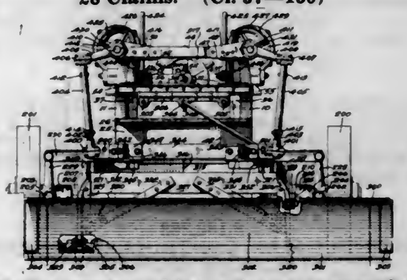
2,189,285
STEREOSCOPIC VIEWING DEVICE
Wilhelm B. Gruber, Portland, Oreg.
Application January 20, 1939, Serial No. 251,927
4 Claims. (Cl. 40—71)

4. In a device of the class described a viewing disk having a plurality of apertures formed therein in a concentric circles about the center thereof, means for viewing transparencies mounted in opposite perforations simultaneously, a transport mechanism for moving said disk through two of its spaces at each operation, and having titles of the various views arranged concentrically about the center of the device and means for



exposing one of said titles when its corresponding transparencies are being viewed.

2,189,286
ROAD MACHINE
Carl A. Gustafson, Minneapolis, Minn., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application April 27, 1931, Serial No. 533,179
28 Claims. (Cl. 37—156)



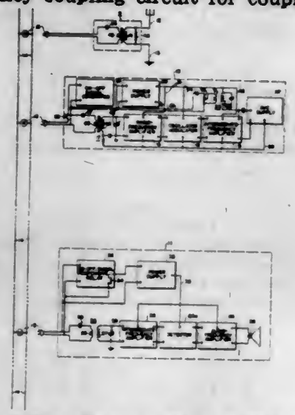
18. In a road machine, a frame, a ground support therefor, a blade, adjustable means to support said blade from said frame including spaced lift members, means including a shaft connected to each of said lift members for moving said lift members, and means including a resilient connection between said shafts for facilitating adjustment of said blade.

22. In a road machine, a main frame; a tool supporting frame; a draft connection for said tool supporting frame having a movable connection with said main frame; means to support said tool supporting frame from said main frame including spaced lift links adjustable as to length; and means constructed to be substantially rigid against lateral flexing and cooperable with said lift links for positioning and maintaining said tool at a high bank sloping angle substantially completely to one side of said main frame comprising lateral shift mechanism between said tool supporting frame and said main frame including a train of cooperating pivotally connected members one of which comprises a rigid member movable relative to said tool supporting frame and having a plurality of fastening stations thereon and another of said members being rigid and connectable to any selected one of said fastening stations.

2,189,287
REMOTELY CONTROLLED RADIO RECEIVER
Lloyd M. Hershey, Brooklyn, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application June 10, 1938, Serial No. 212,902
7 Claims. (Cl. 250—20)

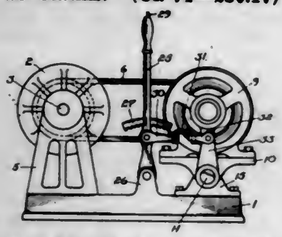
1. A modulated-carrier signal receiver of the superheterodyne type comprising at least two sections, each including an intermediate-frequency signal-translating stage, power supply means for

each of said sections, said power supply means respectively being adapted to be connected to a common house power transmission line at remotely spaced points thereof, and an intermediate-frequency coupling circuit for coupling said



signal-translating stage of each of said sections to said transmission line, whereby at least a portion of said power transmission line may serve as an intermediate-frequency two-wire transmission line between said sections.

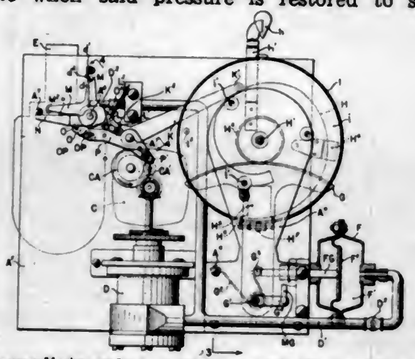
2,189,288
CENTRIFUGALLY CONTROLLED VARIABLE SPEED TRANSMISSION
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application August 30, 1932, Serial No. 631,067
26 Claims. (Cl. 74—230.17)



22. In a variable speed transmission, the combination of: a motor including a drive shaft; pivotal supporting means adapted to support said motor so that it may be rotated about an axis parallel to said drive shaft; a driven shaft; a pair of pulleys, one of said pulleys being of the variable-diameter V-type, one of said pulleys being associated with said drive shaft and the other of said pulleys being associated with said driven shaft; a belt connecting said pulleys; and adjustment means adapted to change the effective diameter of said variable-diameter pulley and simultaneously move said drive shaft axially to maintain said pulleys in alignment, said motor rotating about said axis as said adjustment means is actuated.

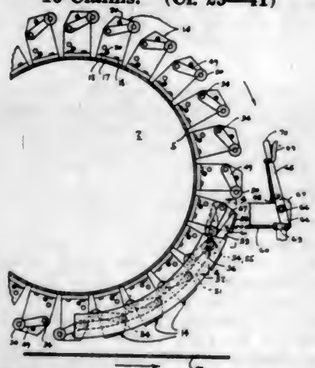
2,189,289
MEASURING APPARATUS
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 1, 1936, Serial No. 82,850
27 Claims. (Cl. 121—41)

2. In a self balancing potentiometer, the combination with a galvanometer adapted to deflect from a neutral position in response to potentiometer unbalance, fluid pressure rebalancing means adapted to be set into operation in one direction or the other by an increase in the fluid pressure above, or a decrease in said pressure below, respectively, a certain intermediate value of the latter, and to have said operation terminate when said pressure is restored to said



intermediate value, a valve regulating said pressure, periodically operating means for adjusting said valve to increase or decrease said pressure accordingly as the galvanometer deflection is in one direction or the other from said neutral position, and means actuated by the operation of the first mentioned means to readjust said valve and restore said pressure to its said intermediate value.

2,189,290
CENTRIFUGAL CASTING APPARATUS
Albert E. Moorhead, San Francisco, Calif.
Application November 8, 1937, Serial No. 173,324
16 Claims. (Cl. 25—41)

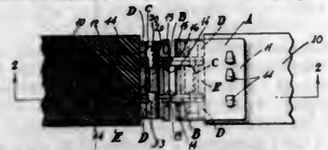


1. In centrifugal casting apparatus, a rotary member, a series of molds carried by the member, and means for optionally causing the molds to open during rotation of the member, and for causing the mold to stay closed for any desired number of revolutions.

2,189,291
BELT FASTENER
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1938, Serial No. 190,397
4 Claims. (Cl. 308—2)

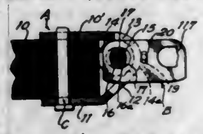
1. A fastener for the ends of a belt comprising:

two attaching members, each of bail-like formation and having the bight thereof provided with a pair of laterally separated apertures; links having their ends apertured and entered through said apertures of the attaching members; a set comprised of a center and two end bearings disposed within the bight of each said member, said bearings being separated by said links; and a rocker hinge pin seated in each set of bearings and extending through the corresponding aper-



tures of the links, each rocker hinge pin comprising two elements, each of said elements being formed with contiguous knife edge and re-entrant V formations alternated lengthwise of the element, the knife edges of one element being disposed opposite and cooperating with said re-entrant V formations of the other element to thereby provide a plurality of sets of contiguous cooperable, rocking knife edge and re-entrant V formations lengthwise of the rocker hinge pin.

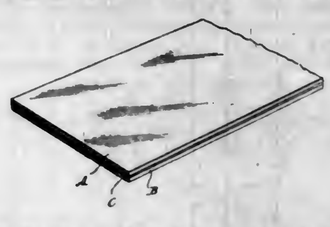
2,189,292
BELT FASTENER
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application December 12, 1938, Serial No. 245,180
5 Claims. (Cl. 24—33)



1. As an article of manufacture for shipment and application as a unit to a belt end to constitute part of a complete V-belt fastener, the combination with an attaching member of bail-like formation having an apertured bight; of a link connector extending through the aperture of the bight; means providing a detachable pivotal connection between the end of said link connector located within the bight and said attaching member, said means including a hinge pin having shouldered engagement with the corresponding adjacent end of the link connector, said link connector being transversely apertured at a point located immediately adjacent the outer face of the bight when the link connector and pivotal connecting means are in operative position relative to the attaching member; and a temporary retaining device extended transversely through said aperture of the link connector, said device engaging the outer face of the bight to thereby maintain said operative assembled position of the link connector, attaching member and pivotal connecting means during shipment and application of the unit to a belt end.

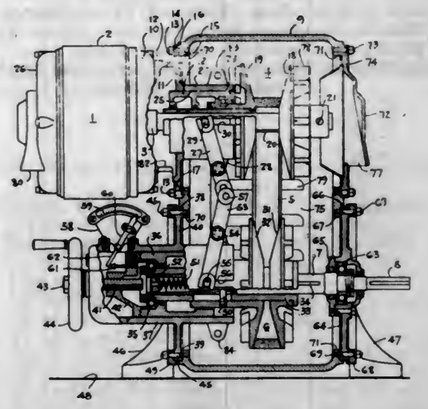
2,189,293
NONSHATTERING GLASS
Iwan Ostromislensky, New York, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Application January 3, 1928, Serial No. 244,258
9 Claims. (Cl. 49—81)

7. Method of uniting articles comprising applying a layer of material containing a vinyl compound between the surfaces thereof, subject-



ing the same to pressure and polymerizing said vinyl compound in situ.

2,189,294
VARIABLE SPEED TRANSMISSION DEVICE
George T. Pfleger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application July 27, 1936, Serial No. 92,752
Renewed November 8, 1937
8 Claims. (Cl. 74—230.17)

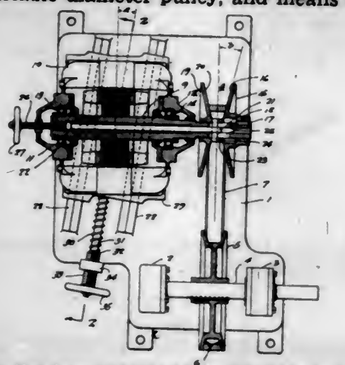


1. In a variable speed transmission device, a driving shaft, a driven shaft, pulley structures respectively in driving relation to the shafts, and a casing for supporting and enclosing said structures, so that the axes of the shafts are in spaced parallel relation, said casing including common means for optionally supporting either one of the shafts, as well as for providing a standard for the casing, said standard being adapted to be secured to the casing at any of a number of angular positions about the axis of supported shaft.

2,189,295
VARIABLE SPEED DRIVE SYSTEM
George T. Pfleger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application July 11, 1933, Serial No. 679,897
23 Claims. (Cl. 74—230.17)

2. In a variable speed drive having a driving pulley structure, a driven pulley structure, an electric motor connected to the driving pulley structure, said driving pulley structure having a positively adjustable effective diameter, and a belt connecting the structures, the center distance between the structures being variable, the combination therewith of yielding means for adjusting the center distance between the axes of

said pulleys in response to the adjustment of said variable diameter pulley, and means for increasing the force exerted by said yielding means, responsive to the energization of the motor.

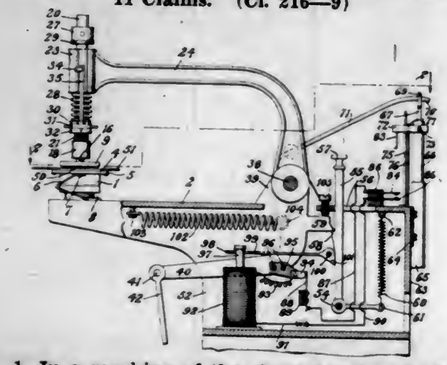


2,189,296

LABELING MACHINE

Louis Oskow, New York, N. Y., assignor to Master Machine Mfg. Co., Inc., New York, N. Y., a corporation of New York

Application March 21, 1939, Serial No. 263,257
11 Claims. (Cl. 216—9)



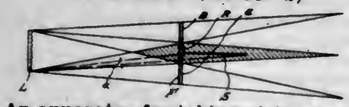
1. In a machine of the character described, a heated support on which an article and a coated label are brought to rest, a pressing member for pressing the label and article against the heated support, and a resiliently mounted lifting element for raising the article and label applied thereto from the surface of the heated support upon cessation of pressure on the article and label by the pressing member.

2,189,297

DIAPHRAGM FOR PREVENTING DOMINANTS ON COLORED PICTURES

Kurt Räntsch, Berlin-Steglitz, and Heinz Retzlaff, Schonow, near Bernau, Germany, assignors to Opticolor Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland

Application February 23, 1937, Serial No. 127,275
In Germany February 28, 1936
3 Claims. (Cl. 95—2)



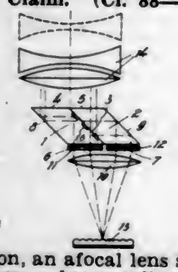
1. An apparatus for taking pictures comprising a lenticulated film, a plural-zoned color filter in front of said film and through which light passes to the film, a diaphragm having one edge disposed closely adjacent a central zone of said filter, said diaphragm extending substantially at right angles to the filter and having substantially all parts thereof within the path of light passing through said central zone.

2,189,298

OPTICAL SYSTEM

Kurt Räntsch, Berlin-Steglitz, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland

Application April 1, 1937, Serial No. 134,200
In Germany April 9, 1936
1 Claim. (Cl. 88—1)



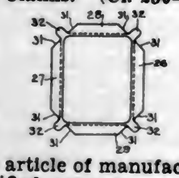
In combination, an afocal lens system, a plural zoned color filter, a beam splitter between said system and said filter and consisting of the same number of rhombic prisms as there are zones in said filter, each prism having an inlet and an outlet for light, with the inlet adjacent said system and the outlet adjacent said filter, and the prisms having contacting plane sides defining a surface with spaced recesses therein, each of said recesses having a depth on the order of a light wave and having a bottom surface parallel to said sides, the part of the contact surface with the recess therein being reflective to light from both sides thereof, the remaining part being transparent, said parts being so arranged that the parallel rays of light entering the inlet of any prism from said system are transmitted and reflected to emerge at said outlets in equal amounts and in parallel paths.

2,189,299

FILM PACK, ESPECIALLY FOR DENTAL FILMS AND THE LIKE

Irwin C. Rinn, Chicago, Ill., assignor to Irwin C. Rinn & Company, Chicago, Ill., a corporation of Illinois

Application September 20, 1938, Serial No. 230,774
4 Claims. (Cl. 250—69)



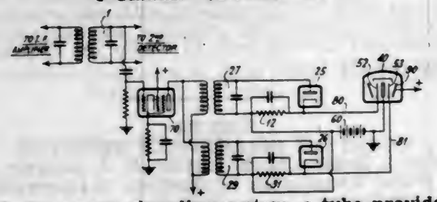
1. As a new article of manufacture, a film pack for the specified purpose, comprising a body member composed of a pair of sheets of paper stock material, paraffin like cementing agent joining said sheets together face to face, said cementing agent being transparent to X-rays, one sheet being substantially opaque to transmission of visible light and the other sheet comprising a finish sheet, suitable inserts laid in proximity to said light opaque sheet and including a sensitized film, edge and end lugs on said body member turned up and over the edge and end portions of said inserts, a cover sheet laid against said turned over lugs, and cementing agent joining said cover sheet to said lugs, said cementing agent comprising a paraffin like material transparent to X-rays, whereby said body member comprises a composite or double sheet having substantial softness and flexibility with resulting avoidance of cracking and light entrance at the positions of said lugs, and whereby both said body portion and said cover cementing means are substantially water-proof and transparent to X-rays, substantially as described.

2,189,300

TUNING INDICATOR CIRCUIT

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 19, 1937, Serial No. 149,063
3 Claims. (Cl. 250—40)



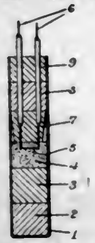
3. In a wave signaling system, a tube provided with a cathode, a fluorescent anode at a positive direct current potential surrounding the cathode, and a pair of control electrodes disposed at separated points in the electron stream from the cathode to the anode, rectifier means responsive to wave frequency departures in opposite directions from an assigned frequency value for producing direct current potentials variable in magnitude in opposite senses, means for applying direct current potential of one sense to one of said control electrodes and applying direct current potential of the opposite sense to the other control electrode whereby a pair of independent electrical shadows are produced on said anode.

2,189,301

BLASTING INITIATOR

Gilbert H. Smith, Woodbury, and Carl B. Van Winter, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application November 19, 1936, Serial No. 111,582
13 Claims. (Cl. 52—2)



1. An electric blasting initiator containing an ignition composition comprising smokeless powder, an oxidizing agent, and at least one member of the group of reductive fuels consisting of sulfur, calcium silicide and readily oxidizable, atmospherically stable metals and metalloids.

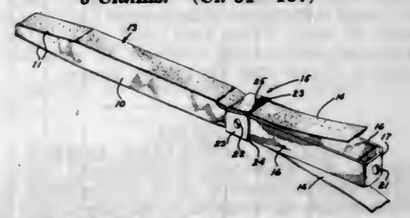
13. An electric blasting initiator containing an ignition composition consisting of ground smokeless powder.

2,189,302

ABRADING TOOL

Fred W. Stachelrodt, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 8, 1939, Serial No. 278,034
5 Claims. (Cl. 51—187)



1. An abrasive strip holder comprising a support member for an abrasive strip folded over an end face thereof and having its end portions strung along opposite portions of the member, said portions of the member having inclined faces intermediate their ends, means slidable upon the support member and having inclined faces cooperating with the inclined faces of the support member for engaging the end portions of the strip, and means operatively associated with the slidable means and support member normally effective to urge said inclined faces into cooperating operative relation to draw the strip taut and clamp it to the support member.

2,189,303

IMPROVING THE GROWTH OF MUSHROOM MYCELIUM

Benjamin B. Stoller, Coatesville, Pa., assignor to Louis F. Lambert, Coatesville, Pa.

No Drawing. Application April 22, 1937, Serial No. 138,368
4 Claims. (Cl. 71—5)

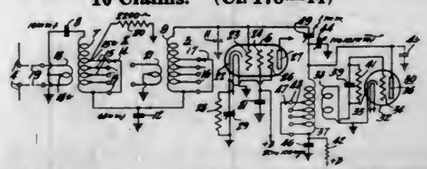
3. A substrate for mushroom culture containing a soluble alkali substance sufficient to remove acid conditions arising from mycelial growth, and a salt of a metal selected from the group consisting of Fe, Al, Mn, Cr and Zn in amount sufficient to buffer and prevent the alkali from injuriously affecting the said mycelial growth and to react with said alkali to improve said growth.

2,189,304

STATION SELECTOR

Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 14, 1938, Serial No. 184,913
10 Claims. (Cl. 178—44)



1. A station selector device for high frequency receivers designed to receive signals from a selected one of a plurality of transmitting stations, said device comprising a tuned primary circuit and a tuned secondary circuit, said circuits being coupled by means of a coupling condenser common to said circuits, each of said circuits including a tapped inductance coil, said circuits being so tuned and coupled as to form a band pass filter having a pass range which is nar-

row enough to provide selectivity between adjacent frequency bands utilized by said transmitting stations, and means including switching means associated with the taps on said coils for varying their inductance simultaneously in such manner that said pass range may be shifted to receive signals from a selected one of said stations, said inductance coils having distributed capacity of such value that said pass range remains approximately constant as said selector device is tuned over its tuning range.

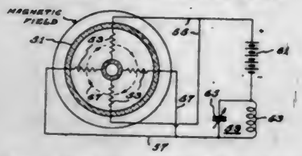
2,189,305

ELECTRIC DISCHARGE DEVICE

Vladimir K. Zworykin, Philadelphia, Pa., and Louis Malter, Newark, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Original application January 31, 1936, Serial No. 61,680, now Patent No. 2,150,573, dated March 14, 1939. Divided and this application September 8, 1938, Serial No. 228,900

8 Claims. (Cl. 250—36)



1. In an electronic oscillator-multiplier at least four electrodes having electron emissive surfaces, said emissive surfaces being the principal source of electron emission for said oscillator-multiplier, means electrically connecting alternately disposed electrodes, an oscillatory circuit and a source of polarizing potential serially connected between two adjacent emissive electrodes, so that electrons impinge on each electrode and release secondary electrons which pass to an adjoining electrode in a predetermined sequence.

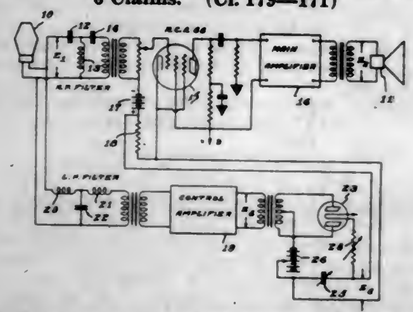
2,189,306

PUBLIC ADDRESS STABILIZING SYSTEM

Leslie J. Anderson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 28, 1936, Serial No. 113,131

6 Claims. (Cl. 179—171)



1. In a system including an amplifier connected between acoustically coupled sound pick-up and reproducing devices, the combination of means for restricting the input of said amplifier to impulses of relatively high frequency, means for biasing said amplifier to a low signal level, and means responsive to relatively low frequency impulses for applying a counter-bias to said amplifier.

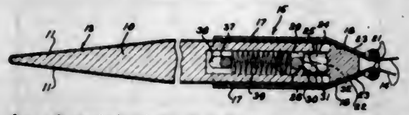
2,189,307

ABRADING TOOL

Clyde E. Bierma, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 8, 1939, Serial No. 278,017

5 Claims. (Cl. 51—187)



1. An abrasive strip holder comprising a support member for an abrasive strip folded over an end face thereof and having its end portions strung along opposite positions of the member, a clamping device carried on said support member for engaging the end portions of the strip, said device comprising relatively slidable members having cooperating inclined faces for clamping the end portions of the strip therebetween, and means operatively associated with said relatively slidable members for effecting relative sliding movement therebetween to clamp the end portions of the strip.

2,189,308

CONSTANT SELECTIVITY RECEIVER

Rene A. Braden, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 6, 1931, Serial No. 506,877

Renewed February 1, 1933

5 Claims. (Cl. 250—20)



1. In a radio signalling system, a pair of coupled resonant circuits, at least one of said circuits being sharply tunable to a predetermined carrier frequency and its associated side bands due to modulation, said tuned circuit including an impedance element having resistance therein arranged in such a manner that the resonance curve of the coupled resonant circuits is substantially the same at whatever carrier frequencies in a desired carrier frequency range the said one circuit is tuned to, and a compensating audio frequency amplifier comprising at least two coupled stages, the coupling between said stages being designed in such a manner that the amplification of the audio frequency amplifier increases with audio frequency whereby the apparent audio frequency amplification of the side bands of selected carrier frequencies throughout said range is substantially uniform.

2,189,309

ALL-WAVE ANTENNA SYSTEM

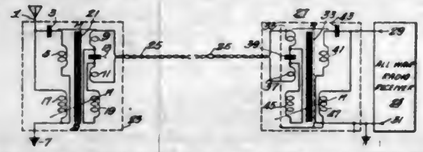
Wendell L. Carlson and Vernon D. Landon, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 30, 1937, Serial No. 140,037

6 Claims. (Cl. 250—33)

5. A noise reducing antenna system which includes an antenna for receiving radio frequency signals, said antenna being characterized by a common signal path at all frequencies, an antenna coupling transformer located near and connected to an effective ground potential, an output transformer, a transmission line connecting said output transformer and said antenna transformer, said output transformer comprising

a plurality of primary windings closely associated with a core of magnetic material, a plurality of secondary windings, a grounded electrostatic shield substantially spaced from said primary windings placed between said primary and



secondary windings whereby the capacity from said primary windings to said shield is minimized, said secondary windings being closely associated with said electrostatic shield, and grounded.

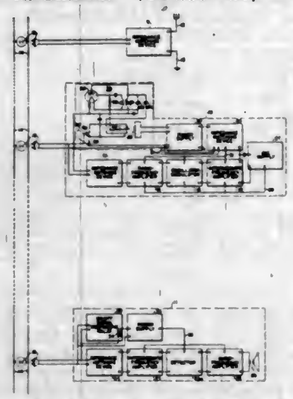
2,189,310

REMOTE CONTROL RECEIVER

Leslie F. Curtis, Great Neck, N. Y., assignor to Haseltine Corporation, a corporation of Delaware

Application December 31, 1938, Serial No. 248,708

12 Claims. (Cl. 250—20)



1. In a modulated-carrier signal receiver, a remote-control apparatus comprising, an electrical generator for providing a control signal to effect control operations at said receiver, control means adapted to be operated to a plurality of positions in a predetermined sequence, means responsive to operation of said control means to each of said positions to condition said generator to provide a predetermined control signal, and means including a time-delay device for effecting operation of said generator for a limited time only upon operation of said control means to each of said positions and thereafter conditioning said generator for operation upon adjustment of said control means to the next position in said sequence.

2,189,311

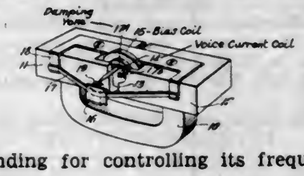
ELECTRICAL IMPULSE RESPONSIVE MEANS

Glenn L. Dimmick, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 24, 1937, Serial No. 138,681

9 Claims. (Cl. 171—95)

1. An impulse-responsive device including a vibratable member, a modulation winding arranged to control the movement of said member in accordance with the impressed impulses, a relatively low impedance winding inductively coupled to said modulation winding, and a capacitor connected in shunt to said low impedance winding for controlling its frequency response.



2,189,312

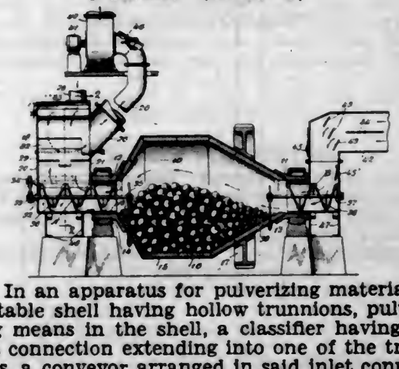
PULVERIZATION SYSTEM

Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application March 30, 1932, Serial No. 601,917

Renewed April 23, 1938

9 Claims. (Cl. 83—9)



1. In an apparatus for pulverizing material, a rotatable shell having hollow trunnions, pulverizing means in the shell, a classifier having an inlet connection extending into one of the trunnions, a conveyor arranged in said inlet connection for moving material into the shell, a conveyor extending into the other trunnion for preventing passage of material therethrough, said conveyors being connected to be driven from the rotatable shell, and suction means connected to cause a current of air to flow in through said other trunnion and out through the first mentioned trunnion for carrying pulverized material from the shell to the classifier.

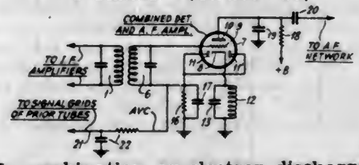
2,189,313

SIGNAL RECTIFIER CIRCUITS

Seymour Hunt, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 6, 1939, Serial No. 272,081

8 Claims. (Cl. 250—20)

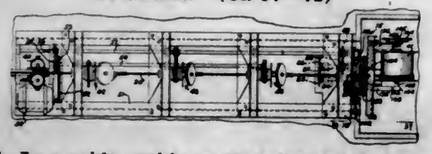


1. In combination, an electron discharge device including at least a cathode, a signal grid and a plate, a source of high frequency coupled to the signal grid, a signal-tuned circuit connected between the cathode and a point of relatively fixed potential, at least one anode operatively associated with the cathode and providing a diode having said tuned circuit as its input circuit, a load resistor connected between the anode and said point, means for impressing on said grid audio voltage developed across said resistor, and an audio load impedance connected to said plate.

2,189,314
APPARATUS FOR TWISTING AND REELING MATERIAL

Fred V. Johnson, deceased, late of Baltimore, Md., by Lila T. Johnson, executrix, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 13, 1938, Serial No. 245,541
12 Claims. (Cl. 57—71)

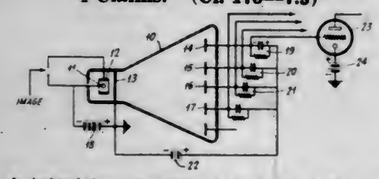


1. In a cable-making apparatus, a takeup reel, a cradle for supporting the reel, means for rotating said cradle to impart a twist to the cable, a drive shaft carried by said cradle for driving the reel, a differential brake mechanism for rotating said shaft, and compressible means between the shaft and the reel for transmitting motion from the shaft to the reel.

2,189,315
TELEVISION RECEIVER

August Karolus, Leipzig, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 1, 1937, Serial No. 140,152
In Germany May 6, 1936
4 Claims. (Cl. 178—7.3)



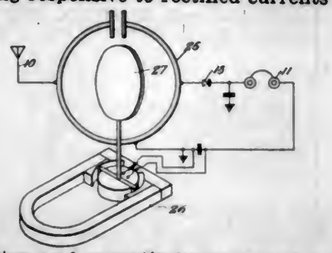
1. A television receiving apparatus for projection purposes comprising a cathode ray tube having a plurality of target members each representing an elemental area of the image to be reconstructed, means for modulating the cathode ray beam of said tube in accordance with received picture signals, means for directing said beam sequentially on said target members, means for storing a charge in accordance with the value of the beam striking a target member, a plurality of means for reconstructing elemental sections of the optical image, each of said reconstructing means being connected electrically to one of said target members, and means interposed between said image reconstructing means and said target member for maintaining the optical reconstruction of any section of the picture for a time interval proportional to the charge stored by the target member representing that section of the picture.

2,189,316
SIGNAL TRANSMITTING AND RECEIVING SYSTEM

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 22, 1937, Serial No. 149,621
4 Claims. (Cl. 250—20)

3. In a receiving system, the combination of a variometer and means for varying the impedance of said variometer, a motor, a detector and a telephone receiver serially connected between points intermediate the ends of said variometer, said motor being responsive to rectified currents from

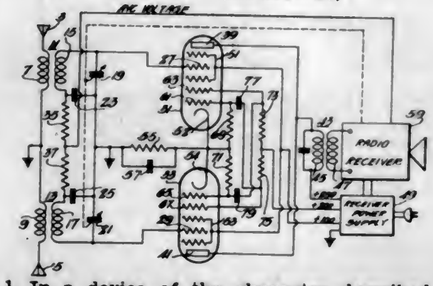


said detector and operatively connected to said impedance varying means for automatically adjusting the impedance of said variometer.

2,189,317
DIVERSITY ANTENNA SYSTEM

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1938, Serial No. 227,790
2 Claims. (Cl. 250—20)



1. In a device of the character described, a pair of antennas positioned in spaced relationship, a pair of thermionic tubes having input and output circuits, means respectively coupling said antennas to said input circuits, a utilization device, means coupling said utilization device to said output circuits, means for simultaneously limiting the sensitivity of both of said thermionic tubes in proportion to the signal intensity from one of said antennas and means for causing said thermionic tubes to become alternately conductive, whereby currents from said antennas are alternately impressed on said utilization device.

2,189,318
ELECTRON MULTIPLIER TUBE

Otto Krenzien, Berlin-Siemensstadt, Germany, assignor to Siemens-Halske Aktiengesellschaft, Siemensstadt, Berlin, Germany, a corporation of Germany

Application December 9, 1937, Serial No. 178,845
In Germany December 10, 1936
4 Claims. (Cl. 250—174)

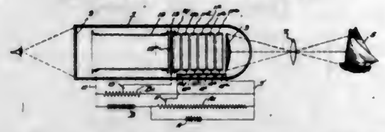


1. An electron tube comprising an elongated centrally positioned cathode element, a grid-like collecting anode concentric with the cathode, a plurality of groups of secondary electron emitting elements mounted concentrically in formation and located intermediate the cathode and anode, each of said secondary electron emitting elements being positioned along radial paths relative to the cathode and anode, and electron guiding electrode means positioned between each of the secondary electron emitting elements for controlling the electron path to and from the secondary emitting elements.

2,189,319
ELECTRO-OPTICAL DEVICE

George A. Morton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1935, Serial No. 52,289
11 Claims. (Cl. 250—153)

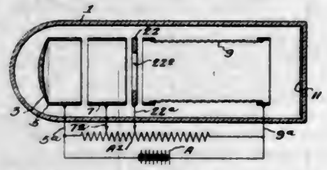


11. An electro-optical system comprising means for forming an optical image, means for forming an electrical image corresponding to said optical image, means for focusing said electrical image in a plane spaced from said optical image and means for altering the magnification and focus in said plane, of said electrical image.

2,189,320
ELECTRO-OPTICAL DEVICE

George A. Morton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1935, Serial No. 56,850
8 Claims. (Cl. 250—153)



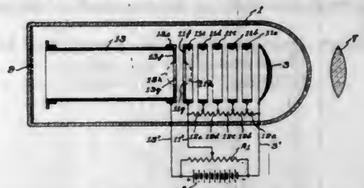
1. In an electro-optical system, a photo-sensitive cathode adapted to release an entire electron image in response to the impression thereon of a light image, a screen, electrostatic means including an elongated tubular member affixed to said cathode for so directing the electrons constituting the said entire electron image that their paths will cross at a point intermediate said cathode and screen to form an inverted electron-image on said screen corresponding to said light image, said means requiring the application of but a single potential on the cathode side of said electron crossing point.

2,189,321
ELECTRO-OPTICAL DEVICE

George A. Morton, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Substituted for abandoned application Serial No. 55,957, December 24, 1935. This application March 4, 1937, Serial No. 128,976. In France October 28, 1936
5 Claims. (Cl. 250—153)

1. In an electro-optical system, a photosensitive cathode adapted to release a family of electrons in response to the impression of a light image thereon, a screen, a conduit intermediate said cathode and screen through which said electrons pass to form an electron image on said screen corresponding to said light image, said

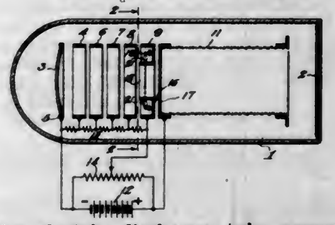


conduit comprising a plurality of apertured members, the apertures in two adjacent of said members being each of a diameter less than that of the other members.

2,189,322
PHOTOELECTRIC CATHODE

Leslie E. Flory, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 19, 1937, Serial No. 121,259
8 Claims. (Cl. 250—165)

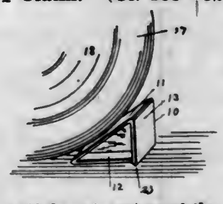


1. An electric discharge tube comprising an envelope having therein a transparent cathode supporting surface, a focusing electrode and an anode located in the order named along the axis of the tube, said focusing electrode comprising two concentric rings having the space therebetween closed on the side facing said anode by a washer-like disc forming an annular recess facing said cathode surface, and a filament mounted in said recess and having silver thereon which is located about said annular recess whereby silver may be evaporated upon said cathode supporting surface.

2,189,323
AUTOMOBILE WHEEL WEDGE

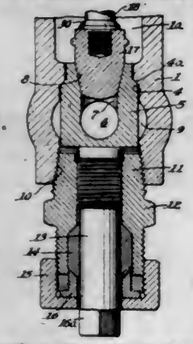
Albert S. Noonan, Utica, N. Y.

Application July 7, 1938, Serial No. 217,963
1 Claim. (Cl. 188—32)



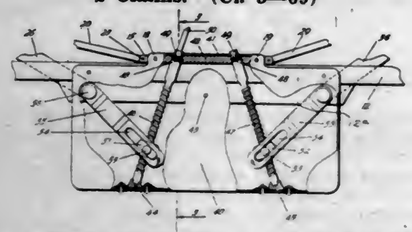
As a new article of automobile equipment, a telescopically housed pair of triangular hollow box-like wedges having one triangular side open, to be used separately as wedges to prevent vehicle wheels from rolling, and forming a closed storage receptacle when the open side of one is introduced telescopically within the open side of the other wedge.

2,189,324
CONTROL VALVE
Harry B. Redding, Cleveland, Ohio, assignor of one-half to James S. Van Nostrand, Columbus, Ohio, and one-half to Harry Bodin, Cleveland, Ohio
Application October 14, 1936, Serial No. 105,553
Renewed July 19, 1939
4 Claims. (Cl. 251—167)



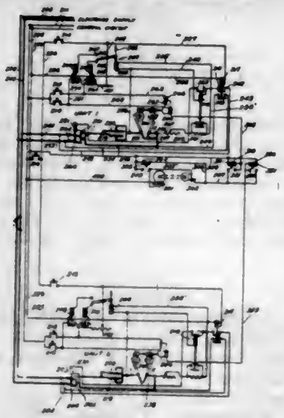
1. A control valve comprising a valve body having a central bore and fluid inlet and outlet passages communicating therewith at longitudinally spaced points, an annular tapering shoulder formed with said bore between the points of communication of said inlet and outlet passages therewith, a valve seat insert positioned in said bore, said insert being formed externally with an annular tapering shoulder engaging in fluid-tight relationship with the annular shoulder of said bore, a valve member movable axially of said bore into and out of fluid flow controlling engagement with the valve seat of said insert, the bottom of said bore being provided with internally disposed tapering threads, a packing sleeve having a tapered threaded end positioned within the internally threaded lower end of said bore, a stud received within said sleeve and having threaded engagement with the internal walls of said sleeve, the inner end of said stud being disposed for engagement with said valve seat insert to maintain the external tapering shoulder of said insert in fluid-tight engagement with the annular tapering shoulder of said bore, a packing carried by said sleeve and surrounding the smooth unthreaded portion of said stud, and a packing nut and follower threadedly carried by the outer end beyond said sleeve for controlling the compression on said packing, the outer end of said stud projecting beyond said nut and follower and provided with wrench receiving surfaces.

2,189,325
PATIENT-OPERABLE HOSPITAL BED
Walter G. Rich, Whittier, Calif.
Application November 17, 1937, Serial No. 175,028
2 Claims. (Cl. 5—69)



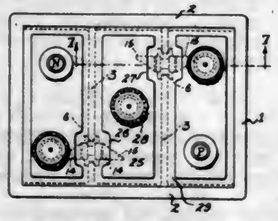
1. A device for converting a hospital bed into a construction wherein the bed may be adjusted by the patient from the side of the bed comprising a shield adapted to be applied to the side of the bed frame, jack-screws rotatably mounted within the shield, nuts on the jack-screws, cranks connected to the nuts and shaft sections connected to the cranks adapted to be inserted into transverse tubular shafts on the hospital bed and to be connected thereto.

2,189,326
ARC WELDING SYSTEM
Ernest Riemenschneider, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application September 11, 1935, Serial No. 40,113
7 Claims. (Cl. 219—8)



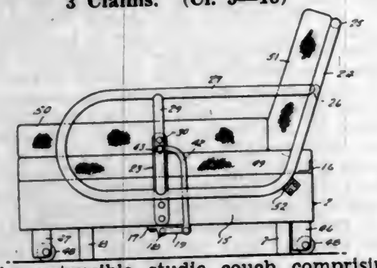
6. An arc welding system comprising a plurality of welding units each including a welding circuit and an adjustable electrode, a control circuit for each unit including a reversible motor to operate in directions to adjust the electrode, interrupter means connected to the control circuits for the plurality of units, and means for cutting the interrupter means into and out of any one or more of the control circuits.

2,189,327
STORAGE BATTERY CONSTRUCTION
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application April 28, 1938, Serial No. 204,821
17 Claims. (Cl. 136—134)



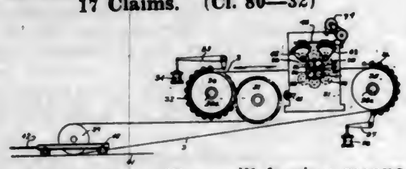
1. Connecter means for use in the electric storage battery, said connecter means having substantially rectangular bodies and ears projecting therefrom at each end both laterally and longitudinally, said ears at each end being interspaced from each other substantially the distance of the thickness of the body.

2,189,328
EXTENSION STUDIO COUCH
Harry Rosen, Cleveland, Ohio
Application November 23, 1937, Serial No. 176,028
3 Claims. (Cl. 5—18)



1. An extensible studio couch comprising a stationary bed and an overlying movable bed, means holding said beds against separation, including a back rest pivotally mounted on the movable bed and mechanism connected with said back rest and beds and operable by said back rest to move the movable bed with respect to the stationary bed to provide a larger sleeping surface, said mechanism including a pair of toggle arms connected with said beds respectively, and a crank operable by turning said back rest about its pivots to separate said beds.

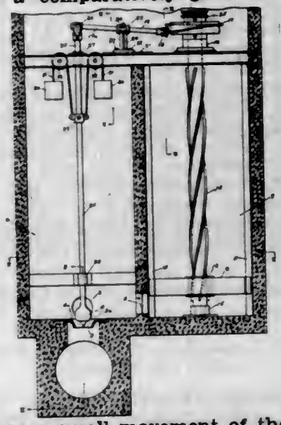
2,189,329
TENSION ROLLING MEANS
Tadeusz Sendzimir, Katowice, Poland, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Original application July 16, 1935, Serial No. 31,697. Divided and this application June 4, 1936, Serial No. 83,534
17 Claims. (Cl. 80—32)



1. In a tension rolling mill having means for taking up the elongation of the strip, feeding means having substantially no reducing function and located between the bite of the reducing rolls and the take up means, said feeding means comprising a rotating drum, power means to drive said drum, anti-friction means for holding a strip of metal in frictional contact with said drum to impart a predetermined linear velocity to the strip, said means comprising a flexible sheath having a fixed support at one end, and a movable support at the other end, and power means for actuating said movable support, said sheath comprising a plurality of rolls disposed in parallelism with the axis of said drum, and flexible means interconnecting said rolls.

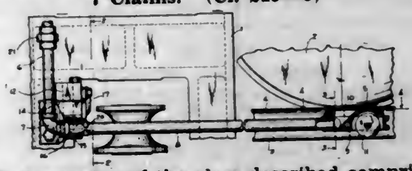
2,189,330
AUTOMATIC FLOW CONTROL MEANS
Charles H. Smith, Portland, Oreg.
Application December 13, 1938, Serial No. 245,408
10 Claims. (Cl. 137—68)

2. In a flow control apparatus of the character described wherein a variable hydrosatic head above an outlet orifice is controlled for stable delivery capacity, a supply conduit, a receiving conduit, a divisional wall therebetween that is provided with an orifice, a valve positioned to vary the effective area of said orifice, a float chamber connected to the receiving conduit, a float that is movable therein under the influence of liquid level, speed reducing transmissions between the float and the valve that are effective to reflect a comparatively great movement of



the float as a small movement of the valve and a differential portion of said transmissions that is effective to cause the movement of the valve to conform to the laws of hydraulic flow through an orifice, so as to cause substantially constant flow through said orifice under varying hydrostatic heads.

2,189,331
METHOD AND APPARATUS FOR USE IN WELDING
George W. Sower, Cleveland, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application December 13, 1938, Serial No. 245,443
7 Claims. (Cl. 219—6)



7. Apparatus of the class described comprising hollow means within a tubular article whose longitudinal edges are being welded together at an axially short place of welding, said hollow means having a top opening of greater size than said place of welding to receive particles of molten metal entering said article from the place of welding, means cooperating with said hollow means to maintain said opening beneath said place of welding and closely adjacent to the upper inner surface of said article, and means associated with said hollow means to create a swift flow of fluid therethru in a direction opposite to the direction of travel of said article to move thru said hollow means particles of metal which are released at the place of welding and pass thru said opening.

2,189,332
MATERNITY GARMENT
Annabel M. Spang, Cleveland, Ohio
Application June 21, 1938, Serial No. 214,899
2 Claims. (Cl. 2—76)

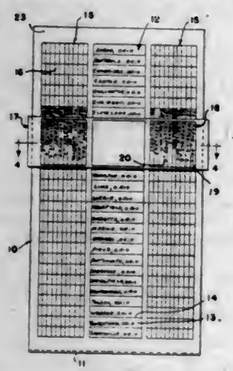
1. A garment comprising a skirt, a vest, and

an open-front blouse, the said skirt comprising a central front portion, a central back portion, and side portions comprising each a front member and a back member connected at their outer edges and constituting extensions of the outer edges of the adjacent central front and back portions, respectively, the central front portion being provided adjacent to the top thereof with laterally spaced fastening members extending outwardly from and arranged on opposite sides of the center thereof, the front member of each pair of side members being provided adjacent to the upper outer corner thereof with a fastening member adapted to cooperate with the fastening members on the side of the front central portion adjacent thereto, and laterally spaced fastening members detachably connecting the upper ends of the front and back members of each side portion, the last-mentioned



fastening members extending laterally outwardly from points closely adjacent to the upper ends of the central front and back portions from which said side portions respectively extend, the vest comprising a front portion secured to the top of the central front portion of the skirt, and the blouse having front and back parts, the bottom corner portion of each of said front parts being secured to the top of the rear member of the side portion therebelow at a point remote from the inner edge of said member and the bottom of the back of said blouse being secured to the top of the central back portion of the skirt, the lower portion of the vest being of such width and the fastening members being so located that the lower portion of the vest will be overlapped by the lower front portions of the blouse in all positions to which the top of the skirt may be adjusted.

2,189,333
COMPUTING DEVICE
William G. Stewart, Riverside, Ontario, Canada
Application December 5, 1938, Serial No. 244,060
1 Claim. (Cl. 235—85)



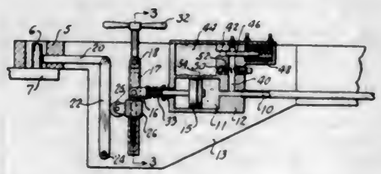
A computing device comprising a relatively long strip having on one face thereof a column of indicia representing different geographical locations, said strip beng folded along a transverse line substantially midway of the geographical indicia to provide a folder having indicia both on the front and back thereof, and a folded relatively narrow one-piece strap embracing both folds of the strip and having its ends secured together, said folded strap being slidable longitudinally on said folder and snugly engaging the longitudinal edges of the folder to hold the folds together, said strap having a column of indicia arranged transversely with respect to said first-mentioned column and representing geographical locations, said folder also having numerical data arranged in alignment with both the first and second mentioned columns and adapted when one edge of the strap registers with a geographical location in the first-mentioned column to indicate a numerical relation between the location in registry with the strap edge and the locations designated in the column on the strap.

2,189,334
WATCH MOVEMENT
Henri Thiebaud, Bienne (Schweiz), Switzerland, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application June 30, 1937, Serial No. 151,071
3 Claims. (Cl. 58—59)



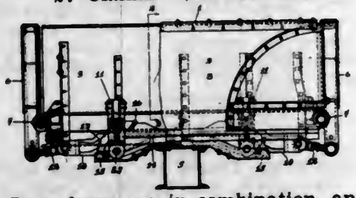
3. The combination of a case and a movement enclosed in the cavity of the case, the movement being characterized by rounded ends described about a center which is the axis of the hands of the movement, and side edges intermediate the rounded ends, said side edges being straight and parallel to one another, and the case being one of a series each, and every one of which is characterized by a cavity having wall portions complementary to the sides or ends of the movement, or both, the cases otherwise being unrelated in internal configuration.

2,189,335
TRAILER BRAKE CONTROL
Arch H. Ace and Loyd R. Harriman, Bowling Green, Ohio
Application May 8, 1937, Serial No. 141,436
9 Claims. (Cl. 188—142)



2. A brake actuating device for towed vehicles having hydraulic brakes including, a master cylinder and a piston operating therein, a lever arm connected to said piston and pivoted at one end, actuating means abutting a fixed point on a towing vehicle and carried by the towed vehicle, a fluid reservoir adjacent said master cylinder, and means to place said fluid reservoir and master cylinder in open communication whereby movement of said piston will force fluid into the reservoir instead of actuating the hydraulic brakes.

2,189,336
DUMP CAR
John P. Anderson, Koppel, Pa., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application September 6, 1929, Serial No. 390,731
27 Claims. (Cl. 105—276)



16. In a dump car in combination, an underframe, a body supported in stable equilibrium on said underframe, trunnions on said body spaced outwardly of the normal body supports, the body turning on the trunnions in dumping, a side door for the body hinged adjacent the floor thereof and a door controlling mechanism, said mechanism comprising an inner member pivotally mounted on the body, an outer member pivotally mounted on the door and a pivotal connection between the inner and outer members.

26. In a dump vehicle, an underframe, a body tilting about either side of the underframe, doors forming walls of the body and opening outward and downward as the body is tilted, a door operating mechanism for each door including a member pivotally mounted on the body with its opposite ends associated with the door and underframe respectively, and a second member having one end mounted on the first member for movement relative thereto and its opposite end selectively engaging the opposite side of the underframe to control its associated door when the body is out of engagement with the side of the underframe adjacent the door.

2,189,337
CELLULOSE DERIVATIVE COMPOSITIONS
Shailer L. Bass, Toivo A. Kauppi, and Frank B. Smith, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 3, 1938, Serial No. 233,024
10 Claims. (Cl. 134—79)

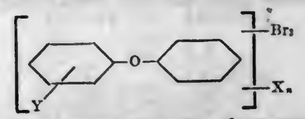
1. A composition comprising a cellulose derivative and a compound having the general formula

$$\left[R{-}O{-}R'\right]_{n}{-}X_{n}$$

wherein R and R' are each aryl groups selected from the class consisting of the phenyl, alkyl phenyl, aralkyl phenyl, diphenyl, and naphthyl radicals, and their halogen substitution products, **X** is a hydroaromatic radical selected from the group consisting of the cyclohexyl, dicyclohexyl, alkyl cyclohexyl, and aryl cyclohexyl groups, and n is a numeral from 1 to 6, inclusive, such that the mol ratio of hydroaromatic radicals to aryl ether residues is greater than 1.5/1.

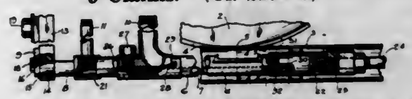
2,189,338
CELLULOSE DERIVATIVE COMPOSITION
Shailer L. Bass and Edgar C. Britton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 27, 1938, Serial No. 247,832
5 Claims. (Cl. 106—40)

1. A molding composition comprising a cellulose derivative plasticized with from 5 to 40 parts, per 100 parts of the cellulose derivative, of at least one compound having the general formula



wherein Y is a member of the class consisting of the phenyl group and hydrogen, **X** is at least one of the halogens,—chlorine and bromine, and n is a numeral from 1 to 3.

2,189,339
APPARATUS FOR USE IN WELDING
William A. Black, Lake Lucerne, and Frederic M. Darner, Shaker Heights, Ohio, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application February 7, 1939, Serial No. 255,090
5 Claims. (Cl. 219—6)



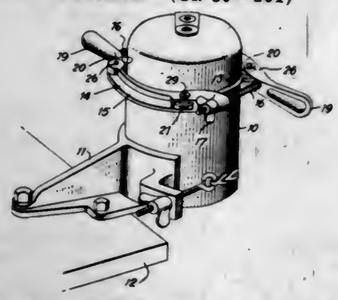
1. Apparatus of the class described comprising an outer tube insertable within a tubular article to be welded and having a substantially closed end and a top opening thru its upper portion near said end, an inner tube in the lower portion of said outer tube, a cross wall, including said inner tube, disposed in said outer tube between said closed end and said top opening and having a restricted passage therethru, means for connecting a source of liquid under pressure to the interior of said inner tube, means for connecting the interior of said outer tube remote from said top opening and also remote from said closed end of the outer tube to a source of suction, and means cooperating with said outer tube to maintain the apparatus in predetermined position in a tubular article being welded.

2,189,340
MOSAIC ELECTRODE MANUFACTURE
John S. Donal, Jr., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 31, 1938, Serial No. 199,273
7 Claims. (Cl. 250—27.5)



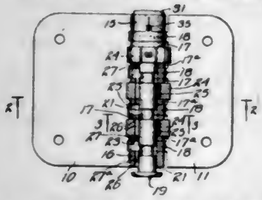
1. The method of embedding a plurality of elongated electrically conducting particles in an insulating matrix which comprises subjecting the electrically conducting particles to a mechanical vibration to distribute the particles uniformly, subjecting the particles to an electric field to cause said particles to be oriented substantially parallel one to the other, maintaining said particles in the oriented condition by maintaining said electric field constant, partially embedding said particles in an insulating matrix while said matrix is in a plastic condition and said particles are maintained oriented, by maintaining said electric field constant, and solidifying said matrix.

2,189,341
CONTAINER CUTTER
Reiman Duval Dumont, New York, N. Y.
Application May 18, 1939, Serial No. 274,348
7 Claims. (Cl. 30—101)



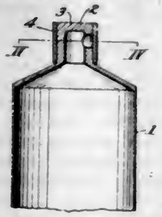
3. A tool for cutting containers, comprising in combination, two spaced members, means for clamping said members together on a container, and oppositely disposed grooved rollers and cutting rollers mounted on said members, said grooved rollers each having spaced grooves separated by a rib, and said cutting rollers being aligned with the rib of said grooved rollers.

2,189,342
COMBINATION LOCK
Jack Eber, Bronx, N. Y.
Application July 22, 1939, Serial No. 285,831
17 Claims. (Cl. 70—312)



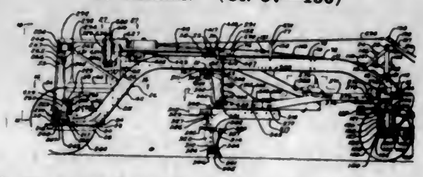
1. In a combination lock including opposed lock members and a lock element having limited transverse slidable movement with respect to said members into two terminal positions, said lock element being adapted in one terminal position thereof to secure the lock members together, while in the other terminal position thereof permitting free coupling and uncoupling of the lock members, means rotatably mounted on said lock element for regulating the transverse movement of said element.

2,189,343
CLOSURE FOR COLLAPSIBLE TUBES
William A. Fritz, Columbus, Ohio
Application February 21, 1939, Serial No. 257,675
1 Claim. (Cl. 221—60)



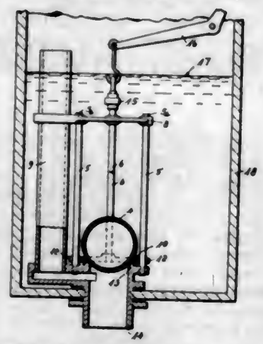
In a collapsible tube of the type having a cylindrical outlet neck, an end wall closing said neck and integrally formed therewith, said neck having a discharge opening formed therein, a sleeve-like valve member mounted for rotation upon said neck, the inner diameter of said valve member being substantially equal to the outer diameter of said neck to provide frictional fluid-tight engagement therebetween, the length of said sleeve being equal to that of said neck to dispose the outer end thereof in the same plane, said sleeve having an opening for registration with the discharge port in said neck upon rotation of said sleeve.

2,189,344
ROAD MACHINE
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 7, 1932, Serial No. 646,048
17 Claims. (Cl. 37—156)



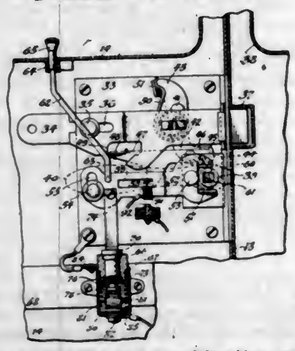
1. In a road machine, a main frame having front and rear supports, a tool, a tool supporting frame, a pair of lift arms on said main frame, lift links connecting said arms and said tool supporting frame, opposite housings mounted on said main frame, gearing in said housings for operating said arms, a power control mechanism having operative connections with said gearing, each connection including a telescopic shaft extending forwardly from said power control mechanism and a shaft extending forwardly from the associated housing and adapted to be driven from said telescopic shaft.

2,189,345
FLUSH-TANK CONTROL
Elmer E. Hillegas, Piedmont, Calif.
Application August 23, 1939, Serial No. 291,571
3 Claims. (Cl. 4—57)



1. In a flushtank control, in combination with the outlet flushing conduit, a ball disposed above the conduit, guiding rods mounted about the conduit and evenly spaced about the lateral sides of the ball, a lifting ring with means in operative relation to the guiding rods disposed above the conduit and about the ball and adapted to lift the ball, and means for actuating the lifting ring and therewith the ball for flushing operations.

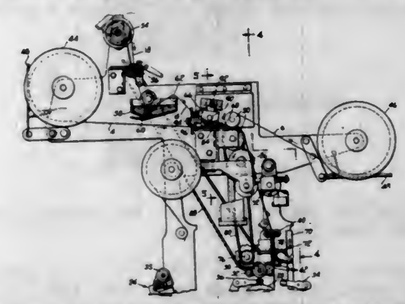
2,189,346
AUTOMATIC LOCK OPENER
Franklin P. Kamp, Eggertsville, N. Y.
Application March 13, 1939, Serial No. 261,427
1 Claim. (Cl. 70—279)



In an automobile, the combination with a passenger compartment provided with a doorway, a door for opening and closing said doorway, a lock for said door having a bolt movable into and out of operative and inoperative positions, key actuated means operable from the outside of said compartment for controlling the position of said bolt, internal manual setting means operable from the inside of said compartment for rendering said bolt operative or inoperative, a prime mover having an electric ignition system, a key operated ignition switch arranged within said compartment for controlling said ignition system, and a removable key for operating said ignition switch; of a plunger associated with said internal setting means and adapted to be retracted for permitting said setting means to assume a position which holds said bolt in its operative position and also to be projected for shifting the setting means into a position which allows said bolt to be moved into an inoperative position, detent means for holding said plunger in its retracted position, thermo-electric shifting means operating when cool to hold said detent means in a working position in which the plunger is retracted and when hot to disengage said detent means from said plunger and release the latter to permit the same to be projected, an auxiliary electric circuit containing said thermo-electric shifting means, an automatic electric switch arranged in said auxiliary circuit and adapted to be closed when said plunger is retracted and opened when said plunger is projected, and a manually controlled electric switch included in said auxiliary circuit and adapted to be closed upon inserting said key into said ignition switch.

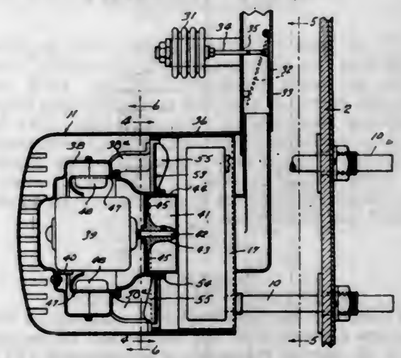
2,189,347
MACHINE FOR FORMING PACKAGES
William T. Martin, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application April 8, 1937, Serial No. 135,655
8 Claims. (Cl. 93—2)

1. In a machine for wrapping articles of the class described, devices adapted to wrap an article when the article and wrapper are presented thereto, means for feeding a strip of wrapping material to said devices, and means for applying a tearing strip to one side of said material as it is being fed, the improvement which consists in said last-mentioned means applying the tearing strip in a sinuous path made up of oppositely directed bends alternately arranged and with portions of corresponding bends extending beyond one of the longitudinal edges of the wrapping material, means for cutting off lengths of the end portions of the wrapping material and



the tearing strip, and means for presenting said lengths with the article to the wrapping devices, the cutting off operation severing each of said projecting bend portions of the tearing strip.

2,189,348
HEATING AND VENTILATING SYSTEM
Edward Levy Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application January 6, 1938, Serial No. 183,671
1 Claim. (Cl. 257—137)

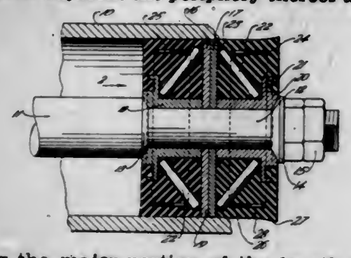


In an automobile heater, a radiator, a centrifugal fan on one side of said radiator, a housing enclosing said centrifugal fan having an inlet adjacent one face of said radiator, and a radial outlet, a propeller fan located between the centrifugal fan and the radiator, a fresh air duct having an outlet adjacent the other side of said radiator opposite said centrifugal fan housing inlet and covering an additional portion of said radiator and a housing enclosing said propeller fan, said centrifugal fan and said radiator.

2,189,349
MUD PUMP PISTON
Erwin E. Miller, Fullerton, Calif.
Application November 21, 1938, Serial No. 241,491
9 Claims. (Cl. 309—23)

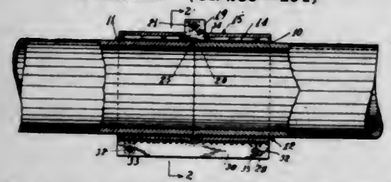
1. A mud pump piston comprising means providing a hub adapted to fit on a piston rod, means providing a central flange on the hub designed to substantially fit the liner of a mud pump, rubber molded around said hub and against said flange forming the body of the piston, and inexpansible metal bands rigid with the flange embedded in

the rubber between the flange and the ends of the piston adjacent the periphery thereof and ex-



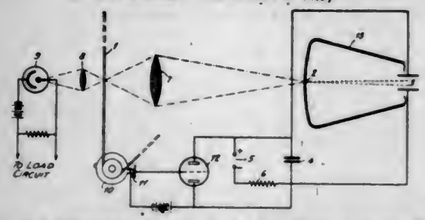
tending the major portion of the length of the rubber from the flange.

2,189,350
PIPE COUPLING
Jolly L. Morris, Houston, Pa., assignor, by direct and mesne assignments, of three-fourths to Frank W. Finley, Pittsburgh, Pa.
Application November 13, 1937, Serial No. 174,348
4 Claims. (Cl. 285—194)



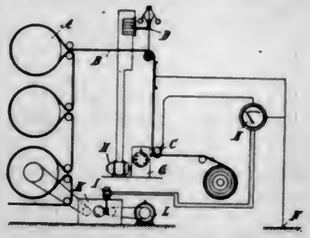
1. In a pipe coupling of the kind described, comprising an inner clamping member nested within an outer clamping member, said inner clamping member adapted to frictionally engage a packing surrounding adjacent pipe ends of a pipe line, said outer clamping member adapted to frictionally engage said inner clamping member and independent means for tightening each of said clamping members to said pipe ends to form a liquid seal therewith.

2,189,351
TELEVISION TRANSMISSION
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 14, 1934, Serial No. 730,593
In Germany July 29, 1933
6 Claims. (Cl. 178—7.2)



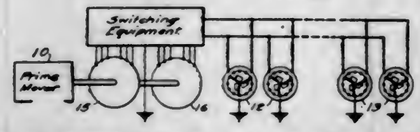
1. In television apparatus, a motion picture film of which the electro-optical image reproduction of each film frame area is to be produced at a distance point, means for moving the film at a pre-established constant speed past a point of analysis, a cathode ray tube having means therein to produce a point source of light of elemental area, an optical system to direct the light produced within the cathode ray tube upon the film to illuminate an area of proportional size on the film, and a light translating device for producing when illuminated in accordance with the varying densities of the film record as illuminated by the cathode ray spot varying electrical energy output corresponding to the film density at the elemental area instantaneously illuminated, deflecting means associated with the cathode ray tube for causing the cathode ray beam developed to scan the film transversely in a line for line manner during the film motion past the predetermined point and a second deflecting means for causing the line for line scanning of the film frame areas passing before the predetermined point to be of a different number than the lines of elemental width of the film actually passing the said predetermined point within the said predetermined time period.

2,189,352
PROCESS AND DEVICE FOR THE DETERMINATION AND REGULATION OF THE MOISTURE CONTENT OF LENGTHS OF MATERIAL
Max Siegenheim, Zittau, Germany, assignor to the firm M. Rudolf Jahr, Gera, Germany
Application November 9, 1937, Serial No. 173,689
In Germany March 17, 1936
6 Claims. (Cl. 175—183)



1. A process for determining the moisture content of lengths of material by ascertaining their electrical conductivity consisting in conducting off the natural electricity from the length of material, producing a static electricity value influenced by the moisture content in said length of material and measuring this static electricity value to ascertain the conductivity and consequently the moisture content.

2,189,353
POWER-TRANSMISSION SYSTEM FOR ELECTRICALLY DRIVEN TRAINS
Wolfgang Steinbauer, Berlin, Hans Kother, Berlin-Siemensstadt, and Paul Müller, Berlin-Schoneberg, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1937, Serial No. 181,150
In Germany December 23, 1936
6 Claims. (Cl. 290—3)



1. In a power-transmission system for electrically driven trains, in combination, a locomotive equipped with a thermally operating prime mover, induction generators driven by the prime mover, and traction motors supplied with current from said generators, said generators having

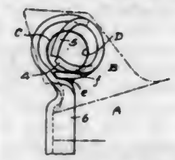
different pole numbers to supply current at frequencies corresponding to their pole numbers when connected individually to said motors.

2,189,354
CULINARY DEVICE
John A. Waller, Beverly Hills, Calif.
Application June 17, 1938, Serial No. 214,223
1 Claim. (Cl. 30—279)



A culinary device which comprises: an elongated channel-shaped body portion provided with outwardly extending flange portions along the longitudinal edges thereof, said flange portions being spaced from said body portion to provide two oppositely disposed longitudinally extending slots; two opposing blade elements formed respectively along the inward edge of each of said flange portions and defining one edge of each of said slots, and an elongated handle member secured to said body portion at one end thereof and extending longitudinally therefrom.

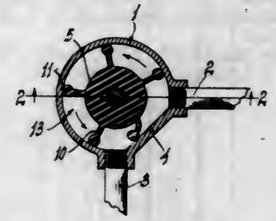
2,189,355
JOURNAL BOX LID STRUCTURE
Theodore E. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application October 29, 1938, Serial No. 237,608
6 Claims. (Cl. 308—50)



1. A journal box comprising a pintle support provided with an orifice; a pintle slidably supported in said orifice; a lid structure comprising an eye mounted on said pintle at one side of said pintle support, a main pintle retainer adjacent the outer end of said eye fixed against movement relative to said eye and extending across the adjacent end of said pintle when said eye is in operative position to prevent disassemblage of said pintle through said outer end, said eye being enlarged opposite said retainer to permit said eye to be moved relative to said pintle to an inoperative position to move said retainer away from said end of said pintle whereby said pintle may be disassembled from said box and assembled therewith through said outer end, an auxiliary pintle retainer at said outer end of said eye adapted to be bent across said end of said pintle when said pintle is assembled and to be bent away from said end of said pintle when said pintle is to be disassembled, and another eye mounted on said pintle at the other side of said pintle support; and means preventing the disassemblage of said pintle from the outer end of said other eye.

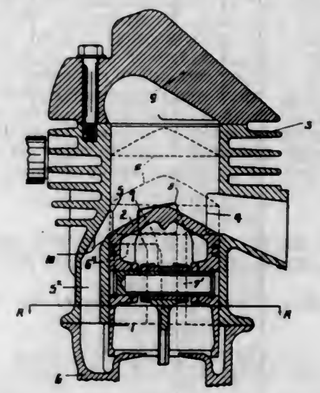
2,189,356
ROTARY PUMP
Arthur M. Briggs, Huntington Park, Calif.
Application August 2, 1938, Serial No. 222,625
2 Claims. (Cl. 103—134)

1. A rotary pump comprising a housing, said housing having spaced inlets and outlets, a cam surface on the inside of said housing, said cam surface extending from the inlet to the outlet, a concentric rotor within the housing, said rotor having a plurality of flexible spaced vanes pro-



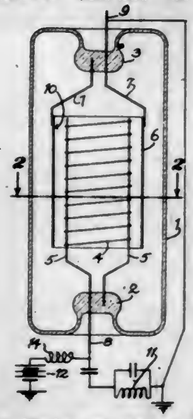
jecting from the body of the rotor, means to rotate said rotor, each of said vanes being successively flexed as they contact said cam surface during rotation of the rotor, the body of the rotor being spaced from the cam surface.

2,189,357
SCAVENGING OF THE CYLINDERS OF TWO-STROKE-CYCLE INTERNAL COMBUSTION ENGINES
William Cull, Shipley, England, assignor to Scott Motors (Saltaire) Limited, Shipley, England
Application July 12, 1939, Serial No. 284,060
In Great Britain February 23, 1938
4 Claims. (Cl. 123—65)
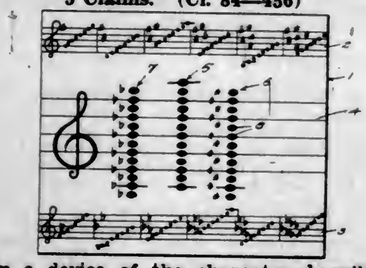


1. A combustion engine of the class described including a cylinder, a reciprocating piston mounted in the cylinder, said piston having a conical crown, an exhaust port leading from the cylinder, three transfer ports communicating with the cylinder, said ports being controlled by the movement of said piston, said cylinder having three spaced vertically disposed transfer passages, each passage being inclined upwardly and communicating with one of the transfer points, one of said transfer ports being disposed diametrically opposite to the exhaust port and constituting a central transfer port, the two other ports forming tangential ports disposed one on each side of the central transfer port, means for progressively opening the tangential transfer ports upon the movement of the piston, and said tangential transfer ports facing the central transfer port so that the issuing gas streams are projected across the cylinder to impinge upon the stream entering the cylinder from the central transfer port at approximately the same angle as the conical piston crown.

2,189,358
DIODE OSCILLATOR TUBE CONSTRUCTION
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application March 22, 1937, Serial No. 132,327
8 Claims. (Cl. 250—174)



2. An electron discharge device comprising an envelope containing as sole electrodes cooperating to form an electron multiplier and self-oscillator when energized, an unheated cathode defining and substantially enclosing an operating space, the inner surface of said cathode being capable of emitting secondary electrons at a ratio greater than unity upon electron impact therewith, and electron-permeable means for defining an equipotential space positioned to be traversed by electrons following substantially all perpendiculars erected from said inner surface.

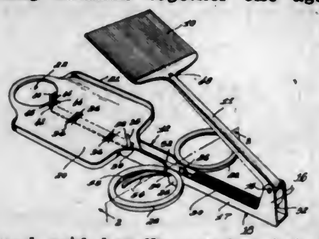
2,189,359
MUSIC NOTE PITCH TEACHING DEVICE
Milo J. Fields, Bluffton, and Chris Zuercher, Berne, Ind.
Application August 9, 1938, Serial No. 223,980
5 Claims. (Cl. 84—456)



1. In a device of the character described, a music staf having notes arranged thereon in three series representing naturals, flats and sharps, and means associated with each note of each series which is so constructed and arranged that the pitch of each note may be sounded.

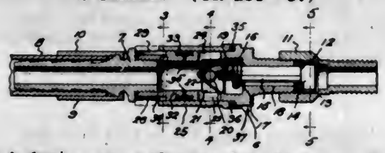
2,189,360
FLY SWATTER
Ebenezer W. Haviland, Brookeville, Md.
Application May 2, 1938, Serial No. 205,629
5 Claims. (Cl. 43—135)

1. A foldable fly swatter comprising a handle member and a pivoted striker member, said members being foldable together one against the



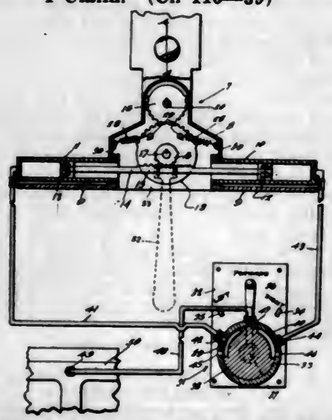
other, and said handle member being formed with a pocket or receptacle for receiving and guarding said striker member when folded.

2,189,361
DUST SCREEN VALVE MECHANISM
Philip Barlow Hoge, Elizabeth, N. J.
Application March 11, 1937, Serial No. 130,411
4 Claims. (Cl. 183—57)



1. A dust screen valve mechanism comprising in combination an apertured casing having a central air passage therethrough with inlet and outlet openings in communication therewith and plural radially extending air vents in the sides thereof, a sleeve valve rotatable on said casing for axial movement with respect thereto whereby to open and close said vents, a filter screen within said casing adjacent said vents, said screen arranged to filter fluids passing through the aforesaid outlet and positioned with respect to said vents for rapid cleaning of the screen, said screen constructed to provide a fluid flow area at least as great as the area of the outlet.

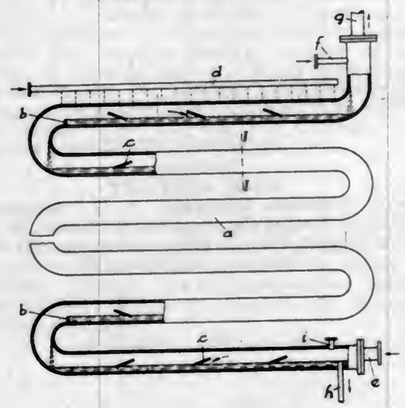
2,189,362
SIGNAL
John H. Ishmael, Spearfish, S. Dak.
Application August 25, 1938, Serial No. 226,799
1 Claim. (Cl. 116—39)



A direction signal comprising an elongated plate having an upstanding housing, a pair of opposed sides of the housing being formed with

threaded openings, a pair of cylinders each having one end threadedly disposed into a corresponding threaded opening, a fluid operated piston in each of the cylinders, a bar connecting the said pistons and extending through the lower portion of the housing, a semaphore, a gear for operating the semaphore, a pinion carried by the gear, a rack on the bar meshing with the pinion, protuberances on the side of the gear and spring members extending from the protuberances and being connected to the inner side of the housing for centralizing the position of the gear and semaphore.

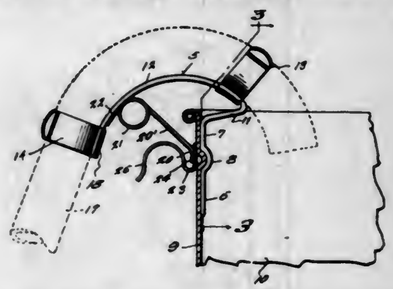
2,189,363
PROCESS AND APPARATUS FOR WORKING UP NITROUS GASES TO NITRIC ACID
Mieczyslaw Joseph Kalous, London, England
Application May 27, 1938, Serial No. 210,545
In the Netherlands April 11, 1938
2 Claims. (Cl. 23—160)



1. A single-stage process for the absorption of nitrous gases consisting in passing the gases under pressure in countercurrent to the absorption liquid streaming beneath them through a cooled tubular duct with substantially horizontal runs, directing part of the gases at intervals against a forwardly and downwardly inclined baffle extending below the liquid surface, said baffle thus partially but not completely obstructing the flow of both the gases and the absorption liquid, and giving the streaming gases a rate of flow which on impinging of the gases upon the baffle causes a part of the gas to pass above the baffles and a part to pass under the liquid and causes the liquid to be sprayed by the kinetic energy of the gas into the gas space.

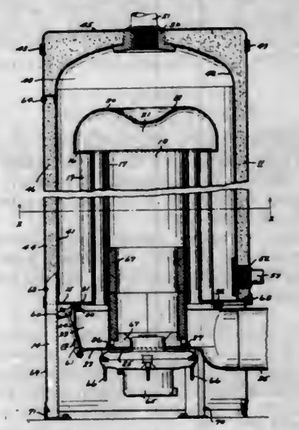
2,189,364
HOSE HOLDER
Walter Richard Kirsten, St. Louis, Mo.
Application February 23, 1938, Serial No. 192,127
1 Claim. (Cl. 248—79)

A hose holder comprising a wire rod bent intermediate its ends to form a substantially V-shaped jaw, spaced parallel curved arms extending from the top end portion of said V-shaped jaw, a substantially annular hose clamping member having grooves therein mounted on said spaced arms adjacent the top end portion of said V-shaped jaw with said spaced parallel rods seated in said grooves, a second substantially annular hose clamping member having grooves therein mounted on said spaced parallel arms at the outer end portions thereof with the spaced parallel rods seated in said grooves, a movable jaw member comprising a wire rod bent intermediate its end portions to provide a pair of coil springs for normally forcing said movable jaw toward said V-shaped jaw,



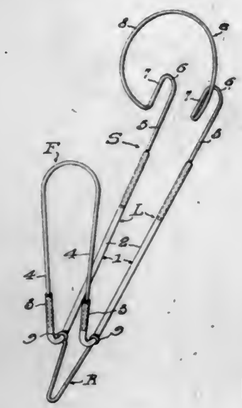
a pair of shanks extending from said coil springs for securing said springs and movable jaw to said spaced parallel arms, and a finger grip extending from said movable jaw for actuating the same when the device is to be attached to a support.

2,189,365
BOILER
Andrew A. Kucher, Dayton, Ohio
Application March 13, 1937, Serial No. 130,775
1 Claim. (Cl. 122—182)



A boiler including a heat exchanger unit comprising a vertically disposed cylinder forming a central combustion chamber, a plurality of spaced apart vertically disposed tubes surrounding said cylinder and a manifold connecting the upper ends of said tubes and said combustion chamber, a wall surrounding said tubes and forming a fluid containing chamber around the heat exchange unit, an exhaust manifold below said heat exchange unit and communicating with the lower ends of said tubes, a burner associated with said combustion chamber, and the points of connection of said upper ends of said tubes with said upper manifold and the points of communication of said lower ends of said tubes with said exhaust manifold being correspondingly spaced an equal distance from the vertical axis of said cylinder whereby said manifolds are rendered interchangeable with different lengths of cylinders and tubes for providing boilers of increased or decreased capacity.

2,189,366
SUPPORT FOR BOOTS OR THE LIKE
Charles E. Montague, Syracuse, N. Y.
Application July 29, 1939, Serial No. 287,426
8 Claims. (Cl. 12—129.1)



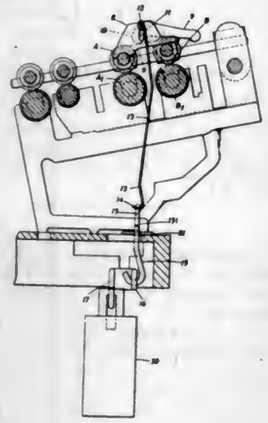
1. In a support for a boot or the like, a boot foot parallelling portion; a boot leg parallelling portion; and a boot leg spreader portion at the end of the leg parallelling portion which is opposite the boot foot parallelling portion, said spreader portion being extended transversely to the leg parallelling portion over the foot parallelling portion and toward the latter portion.

2,189,367
ORTHO-HYDROXYCARBOXYLIC ACIDS OF THE DIPHENYLENE SERIES
Friedrich Muth, Leverkusen, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Original application September 25, 1933, Serial No. 690,951. Divided and this application December 13, 1935, Serial No. 54,320. In Germany October 5, 1932
1 Claim. (Cl. 260—327)

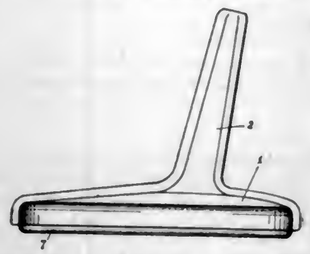
The hydroxy carboxylic acid of diphenylenesulfide which is obtained by causing carbon dioxide to react upon 3-hydroxy-diphenylenesulfide in the presence of an alkali, said compound being a yellow crystalline substance of a melting point of 283° C.

2,189,368
ROLLER WEIGHT ARRANGEMENT FOR DRAWING AND SPINNING FRAMES
John Pilling, deceased, late of Accrington, England, by Ada Gertrude Pilling, administratrix, Dartford, England, assignor to Howard and Bullough, Limited, Lancashire, England, a British company
Application June 29, 1938, Serial No. 216,634
In Great Britain July 6, 1937
4 Claims. (Cl. 19—135)

1. In apparatus for applying pressure to the upper rollers of drawing and spinning frames, a saddle spanning at least two adjacent rollers, a lever having a cam-like portion mounted for movement in a longitudinal slot in the saddle, a pivot pin carried by the lever, said saddle having a transverse slot providing a guide for the pin when the lever is turned about the pivot pin, a weight supporting link secured to said pin, and said transverse slot being so disposed as to impart rectilinear movement to the weight-supporting link during pivoting of the lever.

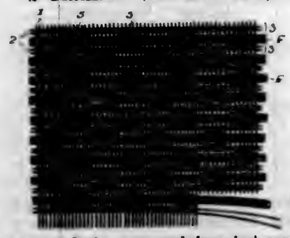


2,189,369
BASE SUPPORT
Abe O. Samuels, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application May 7, 1937, Serial No. 141,305
1 Claim. (Cl. 248—350)



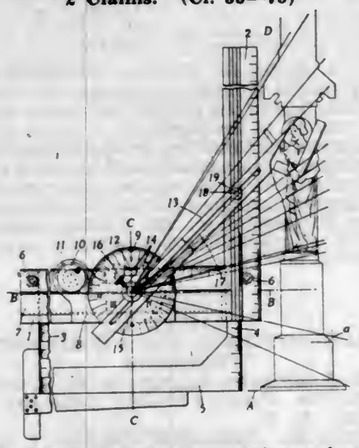
In combination with a structure having a groove therein opening through its under face and formed with parallel side walls, a strip of elastic material constituting a cushion for said structure, said strip having a lower portion of greater width than said groove, a web projecting upwardly from said lower portion midway the width thereof and into said groove, said web being of appreciably less thickness than the width of the groove and spaced from side walls thereof, said lower portion projecting from opposite sides of said web and having flat upper faces bearing against the under face of said structure along opposite sides of the groove, and an upper portion for said strip rising from said web and spaced from the top of said groove, the said upper portion having lower faces projecting laterally from opposite sides of said web, and the said upper portion having upwardly converging side faces intersecting the said lower faces to form acute angular portions, the said upper portion being initially of greater width than said groove and its angular portions being compressed and flexed downwardly when forced into the groove to form depending portions conforming to the parallel side walls of the groove to provide frictional binding engagement with the said side walls of the groove.

2,189,370
WOVEN FABRICS
Kosuke Shiranezawa, Yonezawa-shi, Japan
Application September 12, 1938, Serial No. 229,630
2 Claims. (Cl. 139—420)



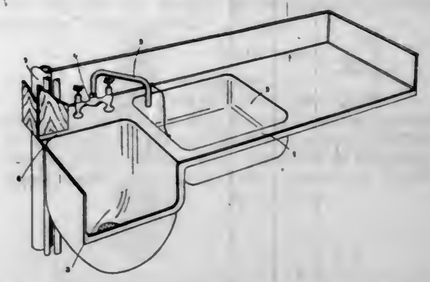
1. A woven fabric comprising interwoven warp and weft threads, the threads extending at least in one direction being hard twisted and shrinkable, and knitted hollow cords extending parallel to the hard twisted and shrinkable threads and engaging at suitable intervals at least one of the threads which lie at substantially right angles thereto and passing over a number of said threads in suitably spaced relation so as to provide a number of bud-like globules arranged throughout the surface of the fabric in any desired design when the fabric is subjected to a scouring and finishing operation.

2,189,371
DRAWING DEVICE
Rodolphe Stagl, Brussels, Belgium
Original application October 2, 1935, Serial No. 43,282. Divided and this application November 15, 1937, Serial No. 174,725. In Germany October 2, 1934
2 Claims. (Cl. 33—75)



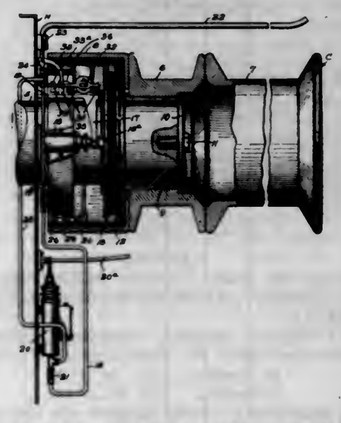
1. A drawing device comprising a horizontal straight edge having a graduated vertical member, a square, having graduated vertical and horizontal limbs, said member being connected to the vertical limb of said square, means for moving said square along said member, a carrier connected to the horizontal limb of said square, a graduated dial fixed on said carrier, means for moving said carrier and dial along said horizontal limb, means on said dial for indicating its position relative to said horizontal limb, a second straight edge, means connecting the latter to said dial for sliding and rotative movement relative thereto with an edge of said straight edge always intersecting the center of said dial.

2,189,372
COMBINATION DRESSER MOUNTING
Olaf Kristian Stangebye, Oslo, Norway
Application September 12, 1938, Serial No. 229,602
In Sweden September 13, 1937
1 Claim. (Cl. 4—187)



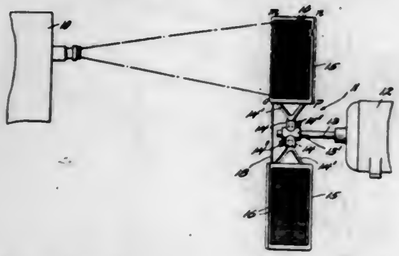
Dresser mounting of rolled sheet metal, comprising as an integral unit the combination of a dish basin and discharge sink, the discharge sink being provided at the forward edge of the mounting and with its front edge located lower than the working level of the dresser, the rear edge of the sink being spaced from the rear edge of the dresser mounting and flush with the working level thereof to provide a receiving space, adapted for a combined fitting for hot and cold water of the type including a swingable tube for positioning over either the sink or the basin, and the space being provided with an opening in the corner behind the discharge sink for the by-passage of pipes from the floor above.

2,189,373
SAFETY CATHEAD
George D. Steel, Casper, Wyo.
Application August 5, 1938, Serial No. 223,319
15 Claims. (Cl. 192—129)



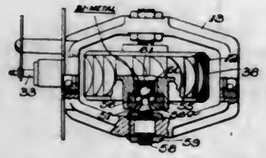
1. In combination with a rotating shaft having a cathead or analogous device mounted thereon for relative rotation, fluid pressure means providing a driving connection between said shaft and device, a deflectable safety release member extending longitudinally of or and in proximity to said device, a valve for releasing pressure from said fluid pressure means, said member being operatively connected to said valve whereby when the member is deflected the valve is operated to relieve pressure from said driving connecting means.

2,189,374
APPARATUS FOR FORMING THREE DIMENSIONAL IMAGES
Leighton Homer Surbeck, New York, N. Y.
Application May 17, 1937, Serial No. 143,187
7 Claims. (Cl. 88—24)



1. A projection screen comprising a frame, a plurality of closely spaced reflecting elements carried by said frame, means to support said frame for movement across the light axis, means to position said frame to place said elements at a desired angle to the light axis, and means to rapidly move the frame through the projected light beam.

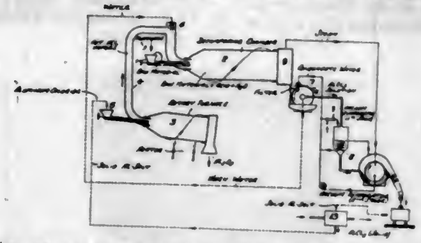
2,189,375
INDICATING INSTRUMENT
Roy C. Sylvander, Garden City, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 15, 1937, Serial No. 142,937
8 Claims. (Cl. 74—5)



4. In a gyroscope, a rotor, a frame for said rotor, said rotor comprising a thrust bearing, means connected to and projecting from said frame to said bearing, and a bi-metal element behind said bearing changing its concavity with changes in temperature whereby unequal thermal expansion of said rotor and frame is compensated.

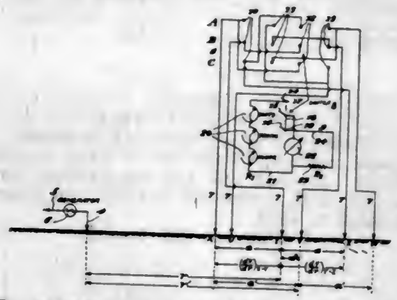
2,189,376
METHOD OF PRODUCING ALUMINIUM OXIDE FROM ALUMINIFEROUS RAW MATERIALS
Axel Sigurd Burman, Huddinge, Sweden
Application July 23, 1936, Serial No. 92,230
In Sweden July 29, 1935
5 Claims. (Cl. 23—143)

2. A continuous cyclic process for the production of alumina from aluminiferous raw material which comprises initially subjecting said raw material to decomposing exothermic reaction by contacting the same with hot hydrochloric acid vapors and water to form an aluminium salt solution, insoluble residues, hydrochloric acid vapor and steam, separating the insoluble residues from said salt solution, evaporating the solution substantially to dryness by indirect contact with said hydrochloric acid vapor and steam which carries the heat evolved in the initial decomposing reaction, thermally decomposing the solid salt obtained in said evaporating step into aluminium oxide and hot hydrochloric acid and



water vapors and then utilizing the latter vapors in the initial decomposition of the raw material.

2,189,377
METHOD AND APPARATUS FOR ELECTRICAL PROSPECTING
Carl A. Heiland, Denver, Colo., assignor to Heiland Research Corporation, Denver, Colo., a corporation of Colorado
Application February 23, 1937, Serial No. 127,227
5 Claims. (Cl. 175—182)



1. In a system for electrical prospecting, including spaced grounded electrodes for creating an electric field in the ground and means for supplying current to the electrodes, a series of three potential pickup electrodes arranged linearly and at equal spaces, the central electrode being spaced from the nearest field creating electrode a distance that is equal to a multiple of the distance between the electrodes, and a bridge connected in circuit with the three electrodes for balancing the current flow between them.

2,189,378
BLEACHING FIBERS AND A COMPOSITION THEREFOR
Hans O. Kauffmann, Eggertsville, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application February 5, 1938, Serial No. 188,984
11 Claims. (Cl. 8—111)

1. A composition for bleaching cellulose comprising hydrogen peroxide and a quantity of alkali equivalent to 10 to 60 grams of sodium hydroxide per liter.

5. The process of bleaching cellulose which comprises saturating cellulose with a bleaching solution comprising peroxide and a quantity of alkali equivalent to 10 to 60 grams of caustic soda per liter, eliminating the excess of the bleaching solution from the cellulose so that the cellulose is damp, thereafter stacking the cellulose to maintain the same damp, and permitting the cellulose to bleach in the damp condition.

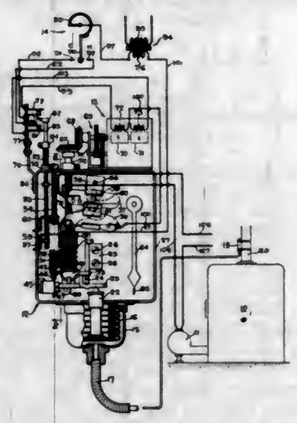
2,189,379
PROCESS FOR TREATING SODA ASPHALT
Samuel Kôn and Michel Tournadre, Petit-Couronne, France, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 22, 1936, Serial No. 60,352. In France January 28, 1935
4 Claims. (Cl. 106—31)

1. In the process of producing asphalt composition from soda asphalt produced as a residue from distilling a mineral oil in the presence of an excess of caustic soda and containing sodium naphthenates, the steps of emulsifying the soda asphalt with water whereby naphthenates are dissolved in the water, and treating the resulting emulsion with an aqueous solution of a salt of an inorganic acid and a metal, the naphthenates of which are insoluble in water, to precipitate metal naphthenates and effect breaking of the emulsion under conditions to produce two separate layers, an aqueous layer containing the sodium salt of said inorganic acid, and an asphalt layer containing the water-insoluble naphthenate salt and separating the layers.

2,189,380
PROCESS OF PREPARING DRIED EGG ALBUMIN
Verne D. Littlefield, Beverly Hills, Calif., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 10, 1937, Serial No. 158,430
11 Claims. (Cl. 260—122)

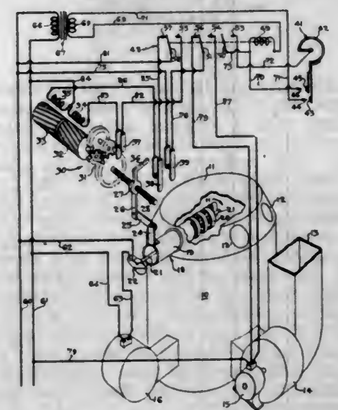
11. The process of preparing an egg albumin which comprises acidifying raw egg whites at a temperature of about 45° to 50° F. until the pH thereof lies between 4.5 and 5.0, filtering the acidified whites in the presence of a filter aid while at a temperature of about 45° to 50° and drying the filtrate.

2,189,381
TEMPERATURE REGULATING SYSTEM
William L. McGrath, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 13, 1936, Serial No. 58,867
11 Claims. (Cl. 236—9)



1. In a system of the class described, the combination of heating means for a space, means responsive to the condition of the heating means for controlling said heating means, means responsive to space temperatures for adjusting said condition responsive means, and means responsive to the action of said condition responsive means for controlling the adjustment of said condition responsive means by said space temperature responsive means.

2,189,382
AIR CONDITIONING SYSTEM
William L. McGrath, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 23, 1936, Serial No. 70,367
9 Claims. (Cl. 236—9)

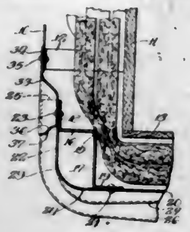


1. In a heating system of the class described, the combination of a warm air heating means having a bonnet, means for changing the temperature of said bonnet, means for circulating air at different rates through the bonnet and the space to be heated, a thermostat responsive to space temperatures to cause said circulating means to circulate air at a high rate upon a call for heat and to cause said circulating means to operate at a low rate when the thermostat is satisfied, means responsive to bonnet temperatures to control the operation of the temperature changing means, means for continually adjusting the bonnet temperature responsive means to cause the temperature changing means to maintain increasingly higher bonnet temperatures while the thermostat is calling for heat, and means for continually adjusting the bonnet temperature responsive means to cause the temperature changing means to maintain increasingly lower bonnet temperatures during the time the thermostat is not calling for heat, whereby a substantially constant average temperature is maintained in the space to be heated.

2,189,383
FACILITATING FRIEDEL-CRAFTS REACTIONS
Anderson W. Ralston and Robert J. Vander Wal, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 13, 1939, Serial No. 256,203
6 Claims. (Cl. 260—684)

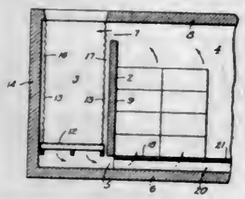
1. In the hydrolysis of metal chloride-containing Friedel-Crafts intermediate products, the step which comprises hydrolyzing such products in the presence of a surface-active agent.

2,189,384
RAILWAY CAR END STRUCTURE
Edgar E. Schlesinger, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 14, 1938, Serial No. 185,025
4 Claims. (Cl. 105—410)



1. In a railway car having a roof structure, an underframe structure and a side wall sheet in combination with a vertical member secured to the roof structure and underframe structure, respectively, and comprising angularly disposed arms, an end wall sheet secured to one arm of said member and provided with a flange secured to the other arm of said member, said end wall sheet formed with a plurality of horizontal corrugations which traverse the end wall sheet and extend to the edge of the flange whereby said corrugations function as arched ties between said arms to prevent deflection thereof; and a connecting piece having a flat vertical marginal part secured to said side wall sheet, and a corrugated vertical marginal part registering with the corrugations in the end wall sheet and secured thereto.

2,189,385
FLOOR RACK FOR REFRIGERATOR CARS
Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 17, 1938, Serial No. 225,275, now Patent No. 2,147,130, dated February 14, 1939, which is a division of application Serial No. 167,771, October 7, 1937, now Patent No. 2,147,129, dated February 14, 1939. Divided and this application November 7, 1938, Serial No. 239,314
2 Claims. (Cl. 62—19)



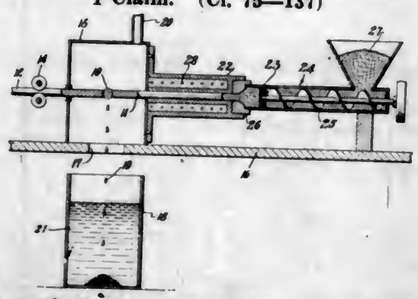
1. In a refrigerator car having an insulated floor, a foraminous floor above the insulated floor, and a space between said floors, the refrigerating ice which induces an air current in said space being positioned so that the melted ice will drain upon said insulated floor, said foraminous floor comprising a plurality of spaced apart parallel slats, a stringer extending normally to and supporting said slats upon the insulated floor, and members secured to the stringer in the spaces between the slats which extend beyond the sides of the stringer whereby said members prevent the melted ice from splashing against the stringer and resplashing through the spaces between the slats.

2,189,386
RAILWAY CAR CONSTRUCTION
William J. Tangerman, Hammond, Ind., assignor to Standard Railway Equipment Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1938, Serial No. 202,919
2 Claims. (Cl. 105—409)



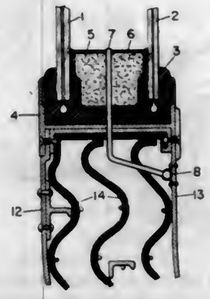
1. In an open top railway car, the combination of a lower chord, an upper chord spaced outwardly from the vertical plane of the lower chord, and a wall sheet secured to said chords to form a load retaining means therebetween, the vertical marginal portions of said sheet being formed with outwardly projecting flanges to function as stakes between said chords, said sheet having formed therein an inwardly projecting offset portion adjacent said lower chord, said offset portion extending between and merging into said flanges and being secured to said lower chord, said sheet also having formed therein an outwardly projecting panel to increase the cubical capacity of the car, whereby the depth and strength of said flanges are greater adjacent said lower chord than adjacent said panel and whereby said wall sheet is spaced from said lower chord by said offset portion to further increase the cubical capacity of the car.

2,189,387
METHOD OF MAKING HARD COMPOSITIONS
William A. Wissler, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application March 5, 1938, Serial No. 194,109
1 Claim. (Cl. 75—137)



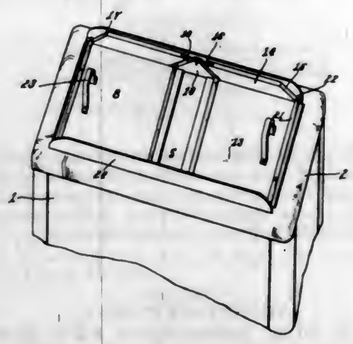
A method of producing cast compositions of the class described which comprises mixing the ingredients thereof with a binder; forming said bonded mixture into a solid rod; melting said rod by the heat of an electric arc formed between said rod and a carbonaceous electrode, and promptly discharging the fused composition by gravity into a cooling medium.

2,189,388
SOUNDPROOF WINDOW CONSTRUCTION FOR AIRCRAFT CABINS
Stephen J. Zand, Forest Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 7, 1936, Serial No. 89,315
2 Claims. (Cl. 20—56.5)



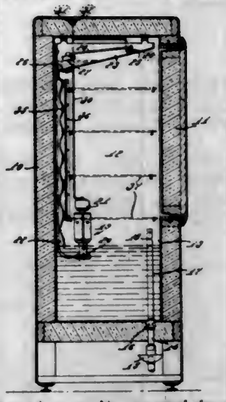
1. In a window construction for soundproofed cabins for aircraft, a pair of spaced window panes for each window, a slotted rubber window frame around each pane, and vibration and sound absorbing material around said frames between the inner faces of the rubber frames for the panes to absorb sound vibrations in the air between said panes and to prevent sound vibrations being transmitted from one pane to the other.

2,189,389
REFRIGERATOR TOP
Robert E. Baker, Muncie, Ind., assignor to Glascock Brothers Mfg. Co., Muncie, Ind., a corporation of Indiana
Application February 1, 1936, Serial No. 61,853
1 Claim. (Cl. 220—41)



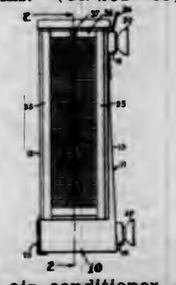
A container, having a plurality of dispensing openings therein, a sliding closure member for each of said openings, having a portion engaging the edges of said openings on all sides, said closure members lying in the same horizontal plane, a track disposed on either side of said closure members and projecting above the top surface thereof, means on said closure members riding on said track, said track having upwardly inclined portions adjacent at least the leading edges of said closure members and having a pair of gaps therein, a swingable member moved into closing position by the movement of a sliding member for closing one of said gaps to permit a continued movement of the track engaging members.

2,189,390
REFRIGERATOR
Charles F. Belshaw, Greenville, Mich.
Application May 21, 1938, Serial No. 209,203
8 Claims. (Cl. 62—63)



1. A refrigerator unit comprising, a main heat insulated shell providing the refrigerating chamber, a main reservoir within which may be maintained a supply of water and means for refrigerating the same, a pumping unit arranged to deliver refrigerated water from said reservoir to a supplemental reservoir in the upper part of the refrigerating chamber, means arranged in the refrigerating chamber for defining a downwardly flowing water film in said refrigerating chamber with its upper part arranged in position to receive the refrigerated water from said supplemental reservoir and its lower part in position to deliver water flowing therefrom to the main reservoir, and control means arranged in conjunction with said supplemental reservoir to automatically control the operation of the pump unit to maintain a substantially uniform supply of refrigerated water in said supplemental reservoir.

2,189,391
VEHICLE AIR CONDITIONER
Meredith E. Bowdish, Venice, Calif., assignor to William H. Fabry, Alhambra, Calif.
Application May 13, 1937, Serial No. 142,388
Renewed July 7, 1939
8 Claims. (Cl. 261—35)



1. In a vehicle air conditioner, a housing, a plurality of transversally extending baffle members in said housing and spaced from the bottom thereof, an air moistening unit in said housing, said unit including spaced wire mesh members forming a pocket, water absorbing material in said pocket, said housing having an open front, a header at the top of said unit, means to supply water to said header, said header having discharge apertures therein, said housing having an

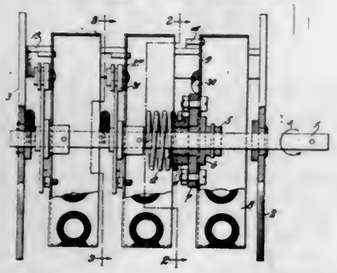
outlet including an elbow portion, means to control flow of air through said elbow portion, said elbow portion having a grooved member thereon adapted to engage the top of a window glass and also having a tongue adapted to fit within a window frame groove.

2,189,392

COUNTING MECHANISM

Kenly C. Bugg, Farmington, Mo., assignor to Neptune Meter Company, a corporation of New Jersey

Original application June 11, 1936, Serial No. 84,659. Divided and this application December 18, 1937, Serial No. 180,526
13 Claims. (Cl. 235—144)



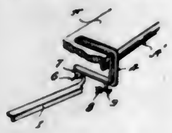
1. In a counter and registering mechanism, a rotary shaft, a sleeve attached to said shaft and having threads around one end portion thereof, a clamping flange rigid with said sleeve, a units counting element, a part in connection with said units counting element rotatively mounted on said sleeve at the side of said flange, a nut screwed on said threaded end of said sleeve and movable to position to clamp said part of said units counting element rigidly between said nut and said flange when said shaft is turned in one direction and movable to position to release said units counting element when said flange is turned in the opposite direction and said units counting element is held from rotation, and means for stopping and holding said units counting element from rotation when said units counting element is turned to a predetermined position by rotation of said shaft in said opposite direction.

2,189,393

TOWING REACH FOR AUTOMOBILES

John Fried, Peoria, Ill.

Application March 9, 1938, Serial No. 194,806
4 Claims. (Cl. 294—82)



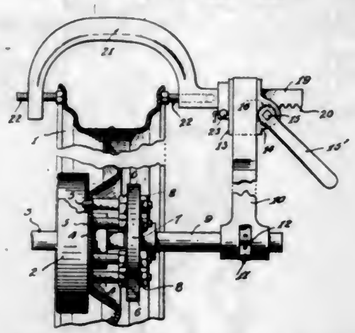
1. A towing reach for automobiles comprising a pair of members free of each other adapted at one of their ends for attachment to a common lifting-connection and diverging from said ends, their divergent ends each terminating in a hook, and a pair of U-shaped members each adapted to engage upon a running board of the vehicle to be towed, a limb of each portion having an eye at the end thereof farthest from the yoke extremity of the member, said eye adapted to receive one of the hooks of the named members therethrough.

2,189,394

APPARATUS FOR TRUING WHEELS

John Fried, Peoria, Ill.

Application June 27, 1938, Serial No. 216,186
4 Claims. (Cl. 153—32)



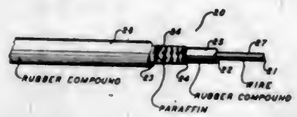
1. In apparatus for truing an automobile wheel on its axle, a plate, means for securing the plate to the wheel, a stud extending from the plate substantially in alignment with the axis of rotation of the wheel, an arm carried by the stud within which the latter is rotatable, a member carried by the arm and including a U-shaped extension to house the wheel rim including portions to abut opposite sides of the latter, and means to positively shift the members with respect to said arm.

2,189,395

INSULATED CONDUCTOR AND A METHOD OF MAKING THE SAME

Alvin N. Gray, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 14, 1937, Serial No. 136,712
6 Claims. (Cl. 174—123)



5. An insulated electrical conductor comprising a conductive core, an insulating layer of rubber compound having its surface impregnated with paraffin, and a second layer of rubber compound over the first layer and adhered thereto.

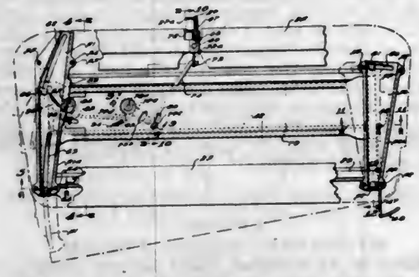
2,189,396

ADJUSTABLE SEAT

James W. Greig, Grosse Pointe Park, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan

Application October 10, 1936, Serial No. 104,990
3 Claims. (Cl. 155—5)

1. A seat structure for a vehicle body, comprising a pair of seat supporting channels, a transversely extending tie plate securing said channels together, a seat having a tiltable back section, two base plates secured to said seat along the sides thereof, a pivotal connection between one of said base plates and one of said channels whereby said seat is adapted to swing in a substantially horizontal plane around said pivotal connection, latch means mounted on said tie plate and adapted to engage one of said base plates and to lock said seat in a position substantially perpendicular to the vehicle body, and a release mechanism operated by said tiltable



back section and adapted to unlock said latch means.

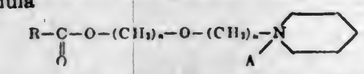
2,189,397

ORGANIC NITROGENOUS BASE DERIVATIVES OF ETHER DERIVATIVES

Benjamin R. Harris, Chicago, Ill.

No Drawing. Application February 11, 1938, Serial No. 190,135
12 Claims. (Cl. 260—286)

1. Chemical compounds corresponding to the formula



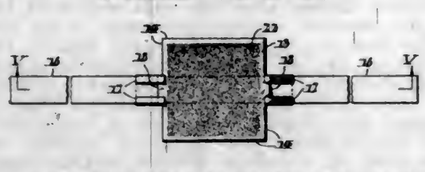
wherein R is a higher molecular weight alkyl radical, n is a small whole number and A is halogen.

2,189,398

TORPEDO

Rex A. Hunter, Bristol, Pa.

Application September 28, 1937, Serial No. 166,089
2 Claims. (Cl. 52—18)



1. A torpedo having as its charge an explosive mixture consisting of chlorate as oxidizer, antimony sulphide as fuel, and a minor proportion of aluminum as a smoke-producing auxiliary fuel, but free of free sulphur, and explosive under heavy pressure but not by heat or minor percussions and shocks.

2,189,399

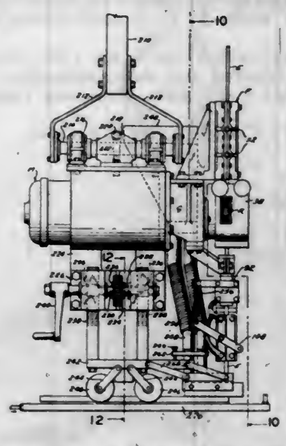
ELECTRIC WELDING APPARATUS

Mys M. Lewbers, Bayside, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application February 6, 1937, Serial No. 124,361
17 Claims. (Cl. 219—8)

1. An electric welding head comprising, in combination, a movable support; an electric motor having a casing and suspended from said support; means, mounted on said casing and driven by said motor, for feeding a welding rod to a welding groove; and means supported by said casing and depending therefrom into engagement with said welding groove to guide said head along said welding groove.

8. In the combination claimed in claim 7, mechanism for vertically adjusting the lower end of said conduit means with respect to said guiding device, said adjusting mechanism permitting



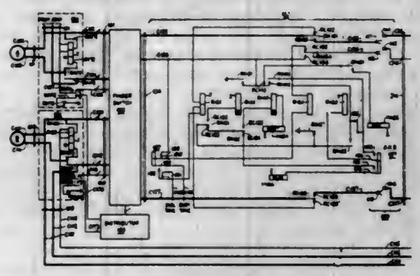
a limited amount of vertical movement of the lower end of said conduit with respect to its adjusted position.

2,189,400

AUTOMATIC TELEPHONE SYSTEM

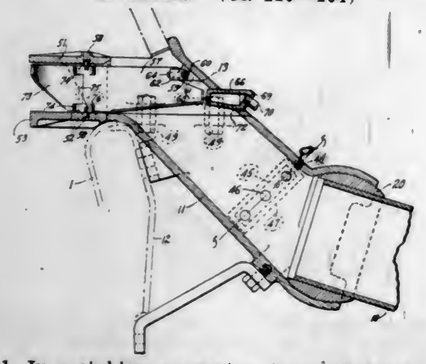
Clarence E. Lomax, Oak Park, and Pier Bakker, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 25, 1938, Serial No. 204,086
29 Claims. (Cl. 179—18)



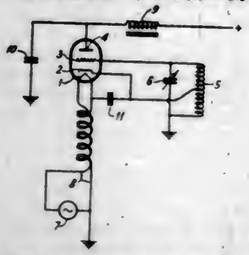
1. In a telephone system comprising an exchange having a first line extending thereto including two line conductors and adapted to have a bridge connected across the line conductors thereof when a call is initiated thereon; a link line including two line conductors, the line conductors of said link line being normally disconnected from the line conductors of said first line, a finder switch having access to said link line, a line circuit associated with said lines and including a relay, an operating circuit for said relay including a source of supply and the line conductors of said first line, said operating circuit being completed immediately a bridge is connected across the line conductors of said first line, means responsive to the operation of said relay for causing said finder switch to search for said link line and to seize said link line, and means included in said line circuit and responsive to the seizure of said link line for connecting the corresponding line conductors of said first line and said link line together.

2,189,401
STOKER MECHANISM
John W. Myers, Roanoke, Va., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Original application April 25, 1930, Serial No. 447,365. Divided and this application April 1, 1935, Serial No. 14,064. Renewed January 24, 1939
11 Claims. (Cl. 110—104)



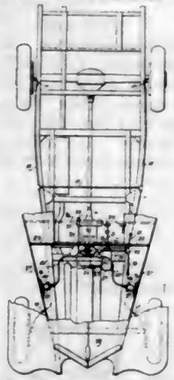
1. In a stoking apparatus, in combination, an approximately horizontally disposed fuel receiving chamber having an upward intake opening and an outlet opening adapted for the delivery of fuel to a furnace, means for feeding fuel to the intake opening of said chamber, a substantially vertical longitudinally extending vane pivotally mounted in said chamber dividing the latter into a plurality of compartments each open at one end to receive fuel through said upward intake opening from said feeding means and open at the opposite end for discharge of fuel to the furnace, a deflector pivotally mounted on the forward end of the vane on an upright axis, said deflector curving forwardly and laterally from the forward end of said vane, the length of said deflector in successive cross sections from its lower to its upper end being progressively greater, said deflector being adapted for pivotal adjustment independently of adjustment of said vane, and means at the rear of said compartments for projecting fuel forwardly therethrough and outwardly from the outlet opening of the chamber.

2,189,402
VACUUM TUBE OSCILLATOR
Douwe Pasma, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 3, 1938, Serial No. 211,495
In the Netherlands August 21, 1937
4 Claims. (Cl. 250—36)



1. An oscillation generator comprising an electron discharge tube provided with a grid, an anode, an indirectly heated cathode and a heatable filament for said cathode, a frequency determining circuit connected between the anode and the control grid, a connection from the cathode to an intermediate point of said circuit, means for maintaining the heatable filament at a radio frequency potential and above ground, and a condenser connected between the cathode and filament, the capacity of said condenser being high as compared with the internal capacity between cathode and filament.

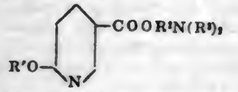
2,189,403
HYDRAULIC BRAKE SYSTEM
Ross M. G. Phillips, West Haven, Conn.
Application July 30, 1936, Serial No. 93,375
Renewed June 27, 1939
13 Claims. (Cl. 192—3)



1. A hydraulic brake system including in combination: a source of hydraulic pressure controllable by the operator of a vehicle; a brake feed-line leading from the said source of hydraulic pressure; a valve interposed in the said brake feed-line in position to seal fluid in the brakes of the vehicle; operating-means operatively connected to the said valve for shifting the same at the will of the operator; a control-member controlling the running of the vehicle; and locking-means for positively holding the said valve in a desired position against inadvertent shifting therefrom, including a locking-member operatively associated with and shiftable by the said control-member independently of the aforesaid operating means.

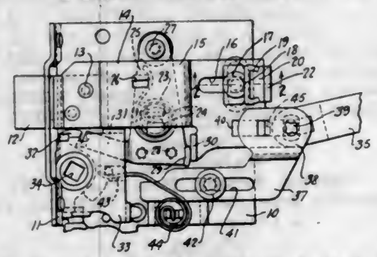
2,189,404
ANESTHETIC OF THE PYRIDINE SERIES AND METHOD FOR PRODUCING THE SAME
Raemer R. Renshaw, New York, and Paul F. Dreisbach, Yonkers, N. Y., assignors to Pyridium Corporation, Nepera Park, N. Y., a corporation of New York
No Drawing. Application February 28, 1938, Serial No. 193,079
9 Claims. (Cl. 260—295)

1. As a medicinal compound having anaesthetic properties, the dialkylaminoalkanol ester of 6-alkoxypyridine-3-carboxylic acid of the following general formula:



in which R' is an alkyl group containing 1 to 6 carbon atoms, R^2 is the residue of an alkyl group and R^3 is the residue of an alkyl group, these alkyl groups being unsubstituted and selected from a group of monovalent radicals derived from a saturated hydrocarbon.

2,189,405
VEHICLE DOOR LATCH
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application October 19, 1937, Serial No. 169,845
1 Claim. (Cl. 292—169)



In a vehicle door latch having a latch bolt, and inside and outside retractors for said latch bolt, a plate pivotally mounted at one end on an axis at right angles to the plane of movement of the bolt, a spiral spring having one end anchored to the opposite end of said plate and the opposite end of said spring engaging said bolt for urging the same toward latching position, said outside retractor including a roll back, an extension on one edge of said plate engageable by said roll back, and abutment surfaces on the opposite edge of said plate and said latch bolt respectively whereby upon actuation of said roll back said plate is rocked to cause retraction of said latch bolt.

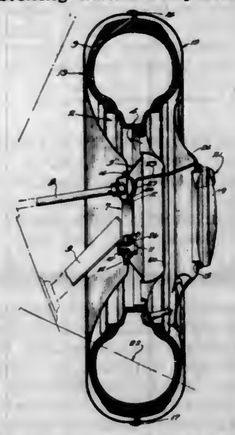
2,189,406
VEHICLE BODY
Ralph S. Roberts, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 27, 1936, Serial No. 92,833
3 Claims. (Cl. 98—2)



1. In a motor vehicle having an engine compartment and a passenger compartment, a cowl, a ventilation inducing Venturi conduit formed in part from the material of said cowl and leading from said engine compartment to the atmosphere, the diverging portion of said Venturi conduit communicating with said passenger compartment.

2,189,407
SPARE WHEEL AND TIRE COVER ASSEMBLY
Fred R. Rueppel, East Detroit, Mich., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich., a corporation of Delaware
Application January 2, 1934, Serial No. 704,850
16 Claims. (Cl. 150—54)

1. A wheel and cover assembly comprising a support having means for carrying a spare wheel and tire, a rear cover member mounted on said support, an apertured front cover member out of contact with but covering substantially all of the face portion of the tire and wheel assembly, common fastening means cooperating with said



first means for securing the wheel and/or front cover in position on said support, and means normally filling said aperture and removable to permit access to said fastening means.

2,189,408
MECHANICALLY OPERATED TOOTH BRUSH
Theodore Seifried, Nashville, Tenn.
Application May 19, 1937, Serial No. 143,579
1 Claim. (Cl. 15—28)



The mechanically operated tooth brush herein shown and described, comprising a hollow generally tapering body portion circular in vertical cross section and having its upper wall continuously curving downwardly and forwardly and having its lower wall horizontal at its rear portion and slightly curving downwardly and forwardly at its front portion whereby a conical curved handle is formed, said body portion being provided at its reduced end with an opening having its axis approximately parallel to the upper wall of said handle, a drum mounted on a horizontal axis in the enlarged open end of said handle and having its rear end open and its front end closed by a wall, a centrally disposed opening being formed in said drum wall, a cap fitting upon the open end of said handle and having an opening axially aligned with the said opening in the wall of the drum, a shaft journalled in the openings of the wall and cap and having its inner end extended beyond said wall and its outer end projecting rearwardly of said cap to form a winding stem, a flat coiled spring arranged in the drum with one end secured to the drum and its other end secured to said shaft to impart rotation to said shaft, a large vertically disposed driving gear wheel secured to the inner projecting end of said shaft, a stud projecting forwardly from the upper portion of said wall of the drum, a small gear wheel on said stud meshing with the said large driving gear-wheel, a flexible shaft having its inner end se-

cured to said stud and curved throughout to conform to the upper curved wall of the handle and with its free end projecting through said opening in the reduced end of the handle, a rotary flat faced tooth brush fitted axially in the end of said flexible shaft, and a manually releasable ratchet mechanism for either holding or releasing the flat spring and thereby controlling its unwinding.

2,189,409
LAMINATED SHEET MATERIAL

Leon T. Sibley, Rutherford, N. J., assignor to Alfol Insulation Company, Inc., a corporation of Delaware

Application November 20, 1937, Serial No. 175,547
3 Claims. (Cl. 154—44)

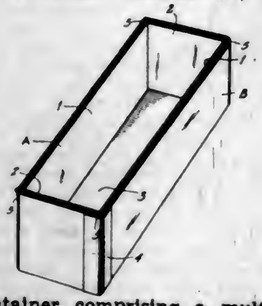


1. A foil covered, reinforced, laminated sheet material which will permit limited relative movement under varying moisture and temperature conditions without splitting or otherwise adversely affecting the foil comprising two sheets of relatively thin paper, an intermediate net of reinforcing vegetable fiber strands having a thickness substantially greater than that of the paper sheets, said net being interposed between said paper sheets and bonded thereto by a layer of adhesive which also holds said sheets together, a relatively thin metallic foil covering the outer surface of at least one of said paper sheets, said paper sheets and foil covering being firmly pressed against said fiber net so that the crossing strands of the net form a network of crossing ridges in the paper and foil sheets, which correspond in number and distribution to the fibrous strands of the net and subdivide said sheets into a plurality of small areas bounded on all sides by said ridges, said ridges serving to confine within each respective small area the contraction and expansion of the material in said area which effectively prevents a progressive stress being established throughout the sheet, each of said ridges having an excess of paper and foil that bridges each of said fiber strands so that with varying moisture and temperature conditions the excess paper and foil may elongate across the fiber strands of each area and contract around the strands of each area without deleteriously affecting the foil and paper.

2,189,410
CONTAINER

Henry C. Stute, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application February 28, 1938, Serial No. 192,937
5 Claims. (Cl. 229—23)



1. A container comprising a multi-cornered tray and a confining sleeve for the side walls thereof, said tray and said sleeve having vertical side walls, one of the side walls of said tray extending across and beyond the ends of the two adjacent side walls and having downwardly converging side edges, whereby said wall is adapted to be wedged edgewise into said sleeve.

2,189,411
ANTIOXIDANT

Robert V. Yohe, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 14, 1937, Serial No. 168,976
18 Claims. (Cl. 260—808)

1. The method of retarding the deterioration of an organic substance which tends to deteriorate by absorption of oxygen from the air which comprises treating the said substance with a diarylamine containing at least one alkenyl group linked to a nuclear carbon atom by a member of the group consisting of oxygen and sulfur.

2,189,412
CANDLEWICK

Vincent Arnone, Brooklyn, N. Y.

Application December 6, 1938, Serial No. 244,201
4 Claims. (Cl. 67—69)

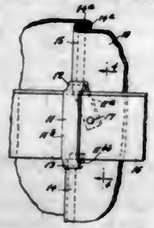


1. A candlewick having a core comprising three strands, two of said strands consisting of hemp while the other strand consists of Cellophane; a spiral wire enclosing said strands, and a fabric cover enclosing said core and said wire.

2,189,413
GARMENT BELT

Samuel Auerbach, New York, N. Y., assignor to Auerbach Bath Robe Co., New York, N. Y., a firm consisting of Samuel Auerbach, Nathan Auerbach, Morris Auerbach, and Edward Auerbach

Application April 7, 1939, Serial No. 266,452
3 Claims. (Cl. 241—8)

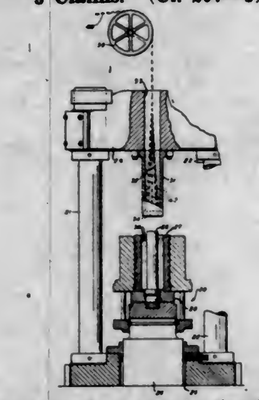


1. In combination with a garment, a vertical strip of material having its top end portion bent back of the front section thereof and secured at said bent portion to said garment so that the back section of the strip freely depends and said strip being also secured at its bottom end portion to said garment so as to form a loop for a horizontal belt, a horizontal belt engaging through said loop, and a fastener connecting said back section with said belt, whereby the belt may shift forwards and rearwards by swinging said depending portion.

2,189,414
MATERIAL TREATING APPARATUS

Charles H. Bell, Westfield, N. J., assignor to Nassau Smelting and Refining Company, Incorporated, New York, N. Y., a corporation of New York

Application October 2, 1937, Serial No. 166,956
3 Claims. (Cl. 207—3)

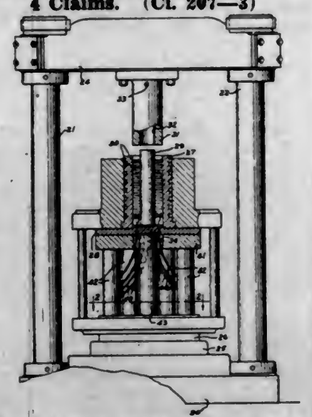


1. In an extrusion press to simultaneously extrude a plurality of strands, an extrusion cylinder having a chamber of annular cross section, in combination with a ram of annular cross section to enter the annular chamber, the ram being provided at the end thereof which enters the annular chamber with an annular plurality of extrusion apertures.

2,189,415
MATERIAL TREATING APPARATUS

Charles H. Bell, Westfield, N. J., assignor to Nassau Smelting and Refining Company, Incorporated, New York, N. Y., a corporation of New York

Original application October 2, 1937, Serial No. 166,956. Divided and this application May 13, 1939, Serial No. 273,389
4 Claims. (Cl. 207—3)

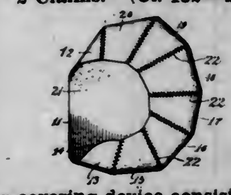


1. In an extrusion press to simultaneously extrude a plurality of strands, an extrusion cylinder, a ram to enter thereinto, a die member mounted in the end of the cylinder opposite to the ram and provided with an annular plurality of extrusion apertures opening from the chamber of the cylinder near the periphery thereof, and a supporting member abutted against the outer side of the die member and substantially centrally of the annular plurality of extrusion apertures.

2,189,416
EAR PROTECTOR

Clara Boyer, Chicago, Ill.

Application August 4, 1939, Serial No. 288,271
2 Claims. (Cl. 132—45)



1. An ear covering device consisting essentially of a single piece of material having a smooth unseamed portion adapted to overlie the outwardly facing surfaces of the ear, and having a series of tongues integral with said unseamed portion, said tongues being stitched together and forming a portion of the device for covering the oppositely facing portion of the ear, said piece of material being concavo-convex, and the concave side being on the inside of the finished device.

2,189,417
ANTIOXIDANT

David Craig, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application September 30, 1937, Serial No. 166,577
15 Claims. (Cl. 260—800)

1. The method of retarding the deterioration of an organic substance which tends to deteriorate by absorption of oxygen from the air which comprises treating the said substance with a metallic salt of an aminophenol, the metal being selected from the class consisting of Groups 1, 2, and 4, the metal having replaced the hydrogen of the hydroxy group.

2,189,418
MATERIAL CLASSIFIER

John H. V. Finney, Denver, Colo., assignor to Homer C. Hirsch, El Paso, Tex.

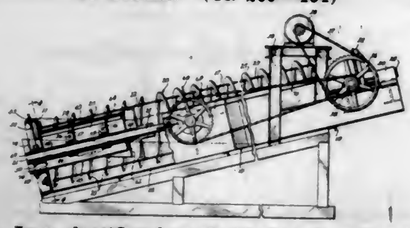
Application October 18, 1937, Serial No. 169,586
6 Claims. (Cl. 209—18)



1. In a classifier for selectively separating suspended solid particles from a liquid, the combination of a tank having an inclined bed and adapted to contain a body of liquid and solid particles suspended therein to be classified, inlet means admitting to the tank liquid carrying suspended solid particles, conveying means for moving settled coarse particles along the inclined bed and out of the liquid to a place of discharge from the tank, liquid agitating means located above

the conveying means adapted to agitate a portion of the body of liquid to facilitate classification of particles, a baffle plate interposed between the agitating means and the conveying means to direct currents around and along the conveying means in the direction of conveying movement, and outlet means for discharging liquid and unseparated fine particles from the tank.

2,189,419
MATERIAL CLASSIFIER
John H. V. Finney, Denver, Colo., assignor to Homer C. Hirsch, El Paso, Tex.
Application March 1, 1938, Serial No. 193,300
16 Claims. (Cl. 209—464)



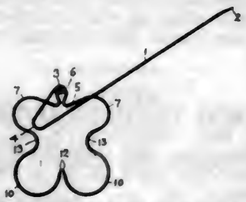
1. In a classifier for selectively separating suspended solid particles from a liquid, the combination of a tank having an inclined bed and an end wall and adapted to contain a body of liquid and solid particles suspended therein to be classified; rotary conveying means for moving settled coarse particles along the inclined tank bed and out of the liquid to a place of discharge from the tank, said conveying means comprising a rotatable shaft with its lower end adjacent the tank end wall, helical ribbon flights mounted on but spaced from the shaft and rotated thereby, and a bearing sleeve rotatably supporting the lower end of the shaft, the bearing sleeve extending from a point adjacent the tank end wall and lower than the liquid level in the tank upwardly through the space between the ribbon flights and the rotatable shaft to a point above the liquid level; and means preventing entrance of the liquid into the lower end of the bearing sleeve.

2,189,420
ADDITION COMPOUNDS OF CYCLOHEXYLAMINES AND MONOCYCLIC PHENOLS
George L. Hockenyos, Springfield, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 1, 1939, Serial No. 259,103
16 Claims. (Cl. 260—563)

2. An addition compound of a monohydroxy substituted benzene hydrocarbon and a cyclohexylamine, said compound being soluble in oil and possessing insecticidal properties.

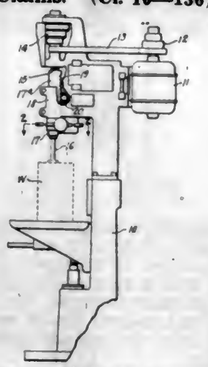
2,189,421
FOWL-DRESSING APPLIANCE
Maria Huschka, New York, N. Y.
Application February 28, 1939, Serial No. 258,915
5 Claims. (Cl. 17—11)

2. A fowl-dressing appliance comprising a needle adapted to be inserted into the carcass of a fowl from the rear for closing an access opening in its belly and provided with a small loop at the rear end and a piece of wire having a small loop-shaped portion hingedly engaging the needle loop and itself bent into a loop adapted to engage the legs of the fowl, the ends of the wire being bent inwardly and adapted to be inserted into the tail of the fowl at an angle to the needle,



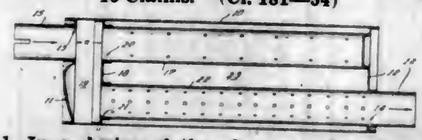
thereby retaining the appliance in an operative position.

2,189,422
COMBINED DRILLING AND TAPPING MACHINE
George W. Irwin, Holland, Ohio, assignor to The Toledo General Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 29, 1938, Serial No. 227,296
7 Claims. (Cl. 10—136)



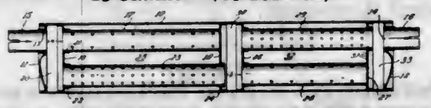
1. In a machine of the class described having a rotary tool mounted for movement toward and away from the work, a reversible motor operatively connected to the tool, a manually operated rotatable shaft operatively connected to advance the tool, a switch operable when actuated to reverse the operation of the motor, a rotatable disc associated with and actuated by said shaft and disposed in eccentric relation thereto, means for limiting the rotative movements of said disc in opposite directions, and an operative connection between said disc and switch enabling actuation of the latter upon turning of said disc.

2,189,423
SURGE FILTER FOR PULSATING GASES
Ralph L. Leadbetter, Wheaton, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1938, Serial No. 227,654
16 Claims. (Cl. 181—54)



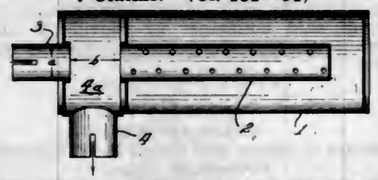
1. In a device of the character described including a shell, gas-velocity-peak snubbing means within said shell and comprising means forming a chamber having an inlet opening and an outlet opening, conduit means arranged in said inlet opening and adapted to conduct gases into said chamber, a receptacle having apertured walls and a mouth, said mouth of said receptacle being in direct communication with said chamber and in alignment with said conduit means whereby gases conducted into said chamber may project into said receptacle, and means for egress of gases from said shell, said chamber outlet opening being in direct communication with said chamber inlet opening and in communication with said egress means.

2,189,424
SURGE FILTER FOR PULSATING GASES
Ralph L. Leadbetter, Wheaton, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1938, Serial No. 227,655
15 Claims. (Cl. 181—54)



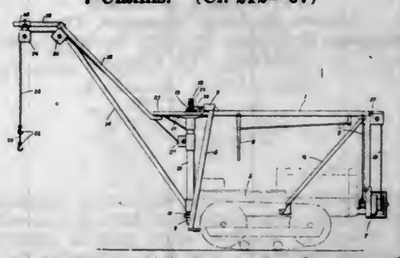
1. In a device of the character described including a shell, gas-velocity-peak snubbing means comprising a plurality of snubbing units arranged in series within said shell, each of said units comprising: means forming a chamber having an inlet opening and an outlet opening, conduit means arranged in said inlet opening terminating within said chamber, and adapted to conduct gases directly thereinto, a receptacle having apertured walls and a mouth, said mouth of said receptacle being in direct communication with said chamber and in alignment with said conduit means whereby gases conducted into said chamber may project into said receptacle; and means for ingress of gases into and means for egress of gases from said shell, said units being so arranged that the outlet opening of the chamber of one unit is in communication with the inlet opening of the chamber of the next succeeding unit and the outlet opening of the chamber of the last unit of the series is in communication with said shell egress means.

2,189,425
SURGE FILTER FOR PULSATING GASES
Ralph L. Leadbetter, Wheaton, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application October 24, 1938, Serial No. 236,635
7 Claims. (Cl. 181—54)



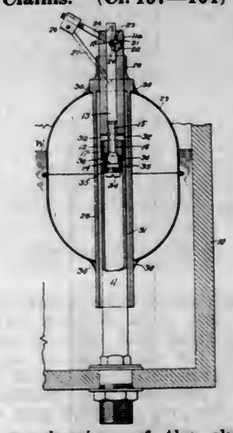
1. In a device of the character described, gas-velocity-peak snubbing means comprising means forming a snubber chamber having substantially impervious walls, means forming a by-pass chamber, gas-flow impedance means arranged within said snubber chamber and having an entrance exteriorly thereof opening into said by-pass chamber, a conduit extending toward said impedance means entrance for conducting pulsating gases toward said entrance, said conduit terminating short of said impedance means entrance within said by-pass chamber, and means for egress of gases from said by-pass chamber.

2,189,426
TRACTOR MOUNTED CRANE
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application August 15, 1938, Serial No. 224,977
7 Claims. (Cl. 212—67)



2. A crane comprising a mast, a boom projecting therefrom, means adapted to be mounted on a tractor at one end turnably supporting the mast, a turntable mounted on the mast, said turntable being formed with a pair of vertically spaced grooves about its outer periphery, a pair of pull cables anchored at one end on the turntable and extending about the grooves from opposite sides of the turntable, said cables projecting from the turntable tangent thereto, and a fixed band about and adjacent the grooved portion of the turntable, said band having openings through which the tangential portions of the cables pass.

2,189,427
VALVE MECHANISM
George A. Long, Boston, Mass.
Application July 11, 1938, Serial No. 218,493
4 Claims. (Cl. 137—104)



1. A valve mechanism of the character described comprising a fixedly supported standpipe to which water under head or pressure is supplied, said standpipe being provided upon its interior with a valve seat; a valve within said standpipe cooperating with said seat to control the flow of water through said standpipe; a float surrounding and movably mounted upon said standpipe so as to provide a downwardly directed delivery conduit surrounding said standpipe; a valve-operating member rotatably supported by said standpipe and engaging said valve, and means through which up and down movement of the float on said standpipe acts through said member to operate said valve, said standpipe being made with a port through which water

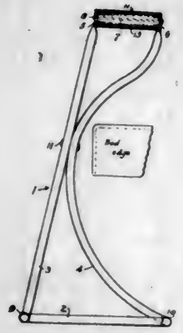
is delivered into said conduit from the interior of said standpipe when said valve is opened by downward movement of said float.

2,189,428
PITCHER'S RUBBER
Edward H. Love, Memphis, Tenn.
Application December 12, 1938, Serial No. 245,305
1 Claim. (Cl. 273—25)



An article of the class described, comprising an elongated rectangular mat having a co-extensive, relatively shallow edge portion extending downward therefrom, and a co-extensive rectangular apron extending forward from the lower edge of said edge portion, said mat, edge portion and apron being an integral structure of soft rubber; and securing means comprising a plurality of flat headed spikes, said spike heads being embedded in said mat and said apron and said spikes extending therebelow.

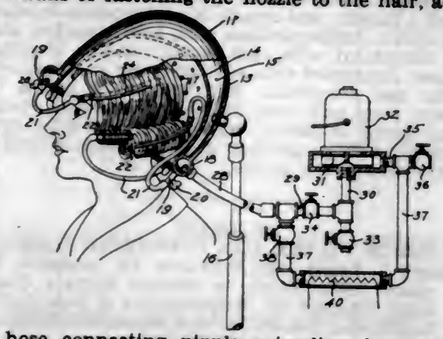
2,189,429
HAND CRUTCH
Ludwig E. Lundquist, Brooklyn, N. Y.
Application December 16, 1938, Serial No. 246,091
13 Claims. (Cl. 135—49)



7. A crutch comprising a base having a part adapted to rest on a floor; a grip; supporting means supporting said grip on and above said part; all of the structure of said supporting means at a predetermined height being entirely forward of a perpendicular passing through the rear end of the grip and said part while the part is resting on the floor.

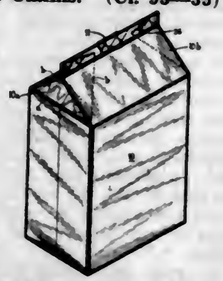
2,189,430
DEVICE FOR DRYING HAIR
Robert A. McClure, Kokomo, Ind.
Application March 20, 1937, Serial No. 132,148
6 Claims. (Cl. 34—26)

6. In a hair drier, a nozzle of relatively great length and small diameter adapting it for easy insertion through folds of hair to a position under the folds close to the scalp, said nozzle having a plurality of openings from a hollow interior through its walls, and said nozzle being closed and pointed at the outer inserting end, a clamp bar attached at its inner end to the inner end of said nozzle without obstructing the openings as a means of fastening the nozzle to the hair, and



a hose connecting nipple extending from said nozzle interior end.

2,189,431
METHOD OF MAKING IMPERVIOUS BAGS
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application May 27, 1936, Serial No. 81,981
3 Claims. (Cl. 93—35)

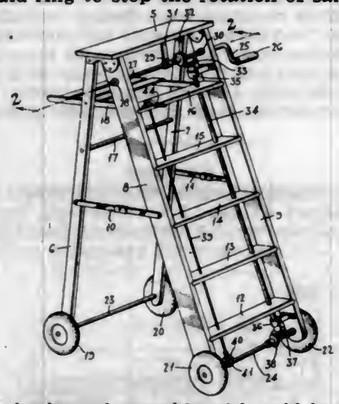


1. The method of forming an end closure on a container having a mouth at one end thereof which consists in tucking the ends of said mouth inwardly and drawing the inner surface of the sides of said mouth into contact with each other and with the inner surfaces of the tucked ends of said mouth, applying heat and pressure to activate a lacquer coating on said engaging surfaces to cement said surfaces together and form an impervious seal across said mouth, and simultaneously impressing a plurality of aligned indentations in said sealed portion across the width of said container to provide a line of severance whereby the container may be readily opened.

2,189,432
STEPLADDER
Henry T. Moore and Frank F. W. Perrott, Greenfield, Mass.
Application December 17, 1938, Serial No. 246,309
1 Claim. (Cl. 228—15)

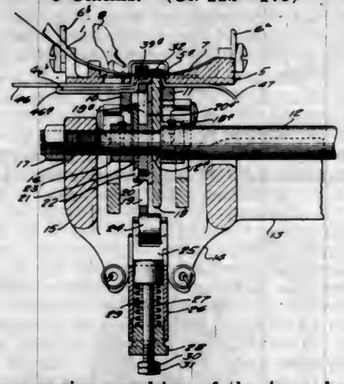
In combination with a ladder having a top step, supports carrying said top step and having outer and inner sides, and lower steps carried by said supports; a rotatable wheel axle carried by said supports, and wheels carried by said wheel axle; a shaft extending through openings formed in said lower steps, a gear drive operatively connecting one end of said shaft with said wheel axle to drive the latter, a manually operable crank situated below said top step and at an outer side of one of said supports, a second shaft

connected with said crank and driven thereby, the second-mentioned shaft being carried by said supports and extending below said top step, a second gear drive operatively connecting the second-mentioned shaft with the other end of the first-mentioned shaft to drive the latter, a ring carried by said wheel axle and rotatable therewith, a movable brake shoe adapted to engage said ring to stop the rotation of said wheel



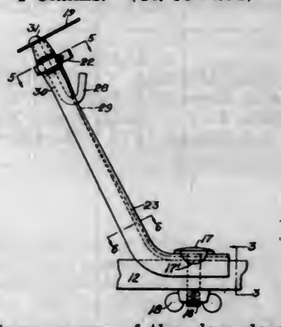
axle, a brake rod movable with said brake shoe and extending through openings formed in said steps, a brake lever, means connected with said brake rod and engaging said brake lever for pressing said brake shoe against said ring when said brake lever is actuated, means connected with the first-mentioned means for returning said brake shoe to an inoperative position when said brake lever is released, and means supporting said brake lever below said top step.

2,189,433
BLIND STITCH SEWING MACHINE
Charles W. Mueller, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company, a corporation of Maine
Application October 1, 1938, Serial No. 232,775
9 Claims. (Cl. 112—178)



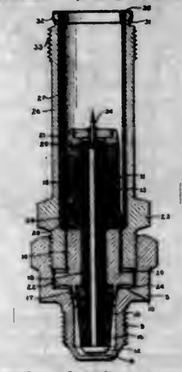
1. In a sewing machine of the type described, the combination comprising a presser foot having an opening therethrough, a needle mounted for movement across the opening through the presser foot, node-forming mechanism including a pair of node-forming elements for projecting the material operated upon through the opening in the presser foot and into the path of the needle, means on one side of the presser foot for determining the relation of one of said node-forming elements with respect to the path of the needle, and means on the other side of the presser foot for determining the relation of the other node-forming element with respect to the path of the needle.

2,189,434
LAWN MOWER
Thomas C. Newton, Brookline, Mass.
Application October 29, 1938, Serial No. 237,698
4 Claims. (Cl. 56—294)



1. In a lawn mower of the class described the combination of an arm projecting laterally from the reel shaft of the mower, the outer end portion of said arm being made U-shaped in cross section to provide the same with a longitudinal recess; a blade-holding hook member housed within said recess, said hook member being separably and directly interlocked with said arm and adapted to engage one end of a flexible cutting blade to hold the latter in spirally flexed condition against the outer extremity of said arm, and a stiffly pliable metallic girdle extending around the recessed portion of said arm so as to hold said hook member within said recess and in interlocked engagement with said arm, said girdle being manually expansible to free it for removal from said arm.

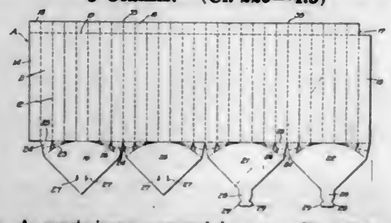
2,189,435
SPARK PLUG
Edward B. Nowosielski, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 7, 1938, Serial No. 233,712
5 Claims. (Cl. 123—169)



1. In a spark plug having a center electrode and a tubular metallic portion surrounding a part of said electrode and having an external rib near the outer end thereof, the combination therewith of an insulating sleeve lining the inner

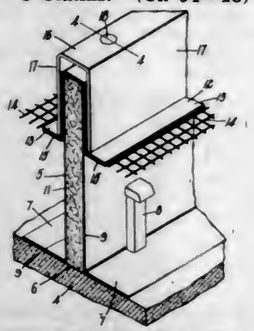
wall of said tubular portion, a rigid ring in one end of said sleeve for holding said end in expanded condition, said ring having an external peripheral flange extending across and engaging the end thickness of the sleeve, and means for securing said sleeve in said tubular portion including a ring-like metallic ferrule having a U-shaped radial section, said ferrule extending over the other end of said sleeve and the outer end of said tubular portion and having the edge of the outer flange thereof pressed inwardly beneath the external rib on said tubular portion.

2,189,436
COLLAPSIBLE CONTAINER
Louis Rosenfield, Brooklyn, N. Y.
Application July 14, 1938, Serial No. 219,112
5 Claims. (Cl. 229—4.5)



1. A container comprising a collapsible tubular member, quadrantal flaps integral with the bottom of said tubular member and foldable inwardly into lapped bottom forming position, tongue and slot connections between diametrically disposed quadrantal flaps for locking the same together, inwardly foldable webs connecting portions of said flaps with said tubular member and being folded over the inside of said flaps when the same are in bottom forming position, and an inner bottom fibre board disk snugly fitting within said tubular member and seated upon said inwardly folded webs.

2,189,437
PAVEMENT CONSTRUCTION
Harry N. Sandell, Boston, Mass.
Application April 22, 1937, Serial No. 138,303
3 Claims. (Cl. 94—18)

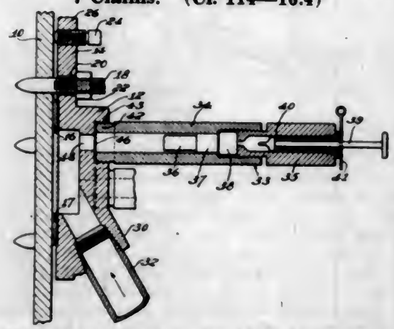


1. In a masonry structure the combination with concrete and like slabs of an inverted T shaped spacing member for said slabs interposed therebetween having a vertically disposed compressible portion embodied therein, a strip of reinforced waterproof fabric positioned astride said compressible portion of said spacing member and having oppositely projecting metallic anchoring portions embedded in said concrete slabs, and a filler in the space between the concrete slabs above the waterproof material.

2,189,438
FODDER AND METHOD OF MAKING SAME
Lynwood H. Smith, Kansas City, Mo., and Charles F. Schnabel, Kansas City, Kans., assignors to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland
No Drawing. Application August 9, 1937, Serial No. 158,152
1 Claim. (Cl. 99—8)

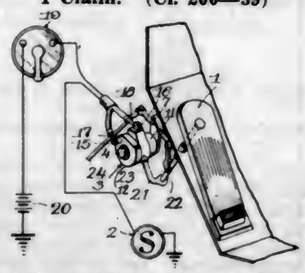
A method of preparing a fodder including the steps of harvesting greens, comminuting the same, desiccating the comminuted greens, intimately mixing the desiccated greens with a milk product having a solids content from 10% to 25%, and dehydrating the resultant mixture.

2,189,439
UNDERWATER CONNECTOR
Robert Temple, Jr., Pittsburgh, Pa.
Application April 15, 1937, Serial No. 137,073
7 Claims. (Cl. 114—16.4)



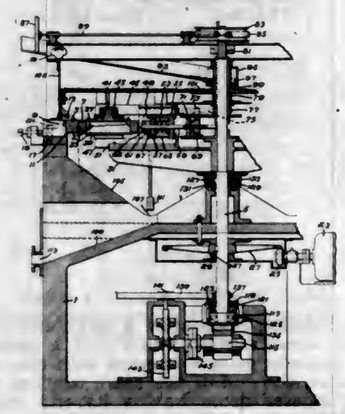
1. Apparatus for supplying fluid under pressure to or withdrawing it from a sunken vessel or the like comprising a cup, an endless flange on the cup adjacent the lip of the cup, a gasket associated with the flange, a conduit secured to the cup and extending to the surface, means explosively driven through the sides of the vessel securing the flange to the vessel in fluid-tight relation therewith, and means associated with the cup and adapted to drive a punch under the impulse of a detonated confined explosive charge through the side of the vessel inside the cup to leave an unobstructed passage through the side of the vessel.

2,189,440
SWITCH MECHANISM
William I. Ballentine, Chicago, Ill.
Application July 17, 1937, Serial No. 154,163
1 Claim. (Cl. 200—59)



In a switch mechanism for operating a warning signal on a self-propelled vehicle having an accelerating lever, a pin upon which the switch is mounted for rotation, a sleeve of non-conducting material rotatably mounted on the pin and having an enlargement, a switch terminal carried in the enlargement, a collar of non-conducting material rotatable upon the sleeve and having an end abutting the enlargement on the sleeve, a switch terminal carried by the collar, a recess formed in the material of the collar for receiving the end of the terminal carried by the sleeve, and of a size to permit the terminals to be moved into and out of contact, an arm associated with the accelerating lever and actuated thereby for rotating the collar to move the switch terminals into and out of contacting engagement to close and open the circuit to the signal and a spring washer between the sleeve and collar for yieldably maintaining them in each position.

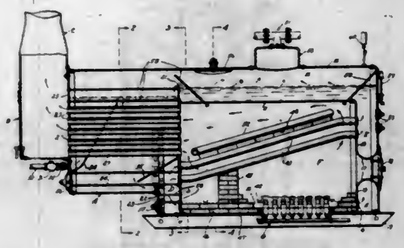
2,189,441
APPARATUS FOR CRUSHING OR GRINDING ORE
John W. Bell, Montreal, Quebec, Canada
Application September 15, 1936, Serial No. 100,891
9 Claims. (Cl. 83—45)



1. In a machine for crushing ore or other materials, the combination with an annular member having a surface on which the materials to be crushed are presented, crushing means comprising a plurality of centrifugally actuated crushing rollers movable radially outward under centrifugal force, means for carrying said crushing rollers in an orbital path in cooperative relation to the annular member, connections for the several rollers comprising a spring for each, the springs for the several rollers being initially compressed under a similar compression in the static position of the carrying means, the spring for each roller being capable at normal speed of absorbing by compression all of the centrifugal force developed by the roller, a member for each roller having a fixed position in the normal operation of the machine, and means to simultaneously adjust said members for the different rollers to riadally advance the static position of each roller toward the annular member until contact is had therewith, and to further adjust said members until each reaches its said normal fixed position.

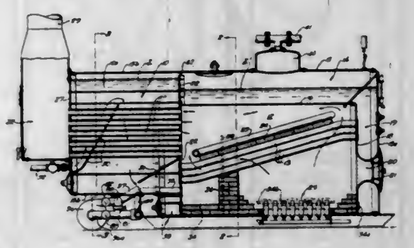
2,189,442
BOILER
John E. Brantly, Pasadena, Calif.
Application September 20, 1937, Serial No. 164,673
Renewed January 3, 1939
17 Claims. (Cl. 122—59)

1. In a boiler or the like, the combination of: a barrel; a smoke box at one end of said barrel; a fire box at the other end of said barrel; jacket means surrounding said fire box forming a steam chamber thereabove and water legs at the rear end and at the two sides of said fire box; a tube sheet separating said barrel from said fire box



and said side legs; water tubes opening through said tube sheet and communicating between said barrel and said water legs at the rear of the fire box; and fire tubes opening through said tube sheet and extending through said barrel into said smoke box.

2,189,443
STEAM BOILER
John E. Brantly, Pasadena, Calif.
Application May 31, 1938, Serial No. 210,896
25 Claims. (Cl. 122—406)

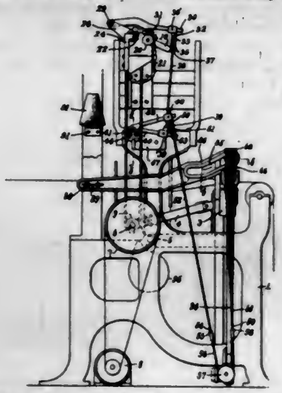


1. In a boiler, the combination comprising walls forming a fire box, walls spaced from said fire box forming a steam chamber and a water leg extending below the steam chamber and directly exposed to the side of the fire box wall, means forming a water chamber having a feed water inlet, a baffle extending upwardly within said water leg, means including a pump for recirculating water from said water leg at one side of the baffle into the water chamber, and means for discharging water under the influence of said pump from said water chamber into the water leg at the opposite side of said baffle and along the surface of the fire box wall.

2,189,444
LOOM AND THE METHOD OF WEAVING THEREON
Racine F. Caron, Moosup, Conn.
Application February 12, 1938, Serial No. 190,154
16 Claims. (Cl. 139—49)

1. In a loom, a reed, a pair of bars mounted on the reed for longitudinal movement relative thereto, a plurality of pivot pins on each of said

bars, and a thread guide mounted on each of said pivot pins whereby threads carried by said guides



are crossed over each other upon the relative movement of said bars.

2,189,445
COMBINATION PLUG AND DUMP BAILER
Clarence R. Dale, Beverly Hills, Calif., assignor to Dale Service Corporation, Culver City, Calif., a corporation of California
Application July 11, 1939, Serial No. 283,810
20 Claims. (Cl. 166—19)



1. The combination comprising a container for flowable material adapted to be lowered in a well and having a normally closed outlet, a well plug at the bottom end of said container and adapted to be lowered with and directly ahead of the container, means engageable with the wall of the well for holding the plug therein, said container being upwardly movable from the plug, and means for opening said outlet so that during such upward movement of the container said material is discharged directly upon the plug.

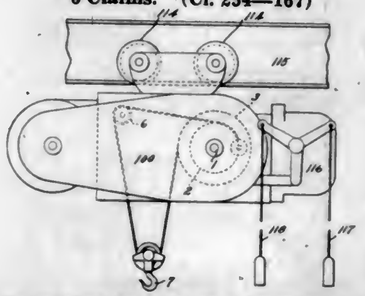
2,189,446
FREEZING PAN ASSEMBLY
Carl G. Harbordt, Kansas City, Mo.
Application June 26, 1936, Serial No. 87,403
10 Claims. (Cl. 62—108.5)

1. In a freezing pan assembly a freezing pan adapted to receive water to be frozen, a divider positioned in said pan having a longitudinal dividing member and a plurality of transverse dividing members, a flexible member secured at one portion thereof to said longitudinal dividing member, said transverse dividing members being carried by said flexible member, said flexible member having a free end adapted to be moved



with respect to said longitudinal divider, the construction being such that upon flexing of said flexible member the transverse dividing members will be moved to form diverging angles with each other.

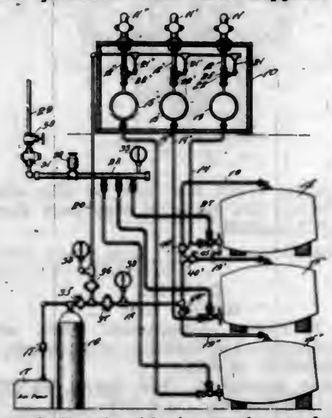
2,189,447
HOISTING APPARATUS
Henry F. Martin, Detroit, Mich., assignor to Detroit Hoist and Machine Company, Detroit, Mich., a corporation of Michigan
Application September 26, 1936, Serial No. 102,655
Renewed March 25, 1939
6 Claims. (Cl. 254—167)



1. In hoisting apparatus, a large and a small diameter drum rotatable as a unit, a cable having its opposite ends connected with the respective drums, the end of the cable winding on the small diameter drum having its end rotatably supported in the wall separating the two drums and permitting the said end to freely turn without flexing of the cable as the cable portion is unwinding therefrom and begins to wind thereon in the opposite direction, the length of the cable wound on the large diameter drum being greater than that wound on the small diameter drum, means including a sheave running in the loop of the cable between the drums for the supporting of an object, and an auxiliary pulley fixedly positioned on that side of the drums from which the cable unwinds from the large diameter drum, the loop of the cable running from the large diameter drum through the sheave and to the auxiliary pulley whereby irrespective of the direction of rotation of the drums in winding or unwinding from the small diameter drum, the hook is moved along substantially the same vertical line thereby enabling an operator to bring an object carried by the hook to a predetermined position without necessity of moving the same to one side or the other of the line of movement of the hook.

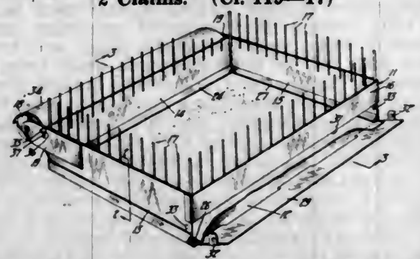
2,189,448
LIQUID DISPENSING SYSTEM
Edward F. McCrory, Pawtucket, R. I.
Application July 14, 1937, Serial No. 153,489
4 Claims. (Cl. 225—12)

1. A system of the class described comprising a supply reservoir, a dispensing tap, a dispensing conduit connecting said reservoir to said tap, an air pressure tank, an air conduit leading from said tank to said reservoir to supply pressure thereto, a valve in said dispensing conduit adjacent said tap, an air conduit leading from said tank to said valve to supply pressure thereto at a higher pressure than that supplied to said



reservoir, both of said air supply conduits being permanently connected at all times to supply pressure at their conducting destinations, said valve being so constructed that it may be moved so that the dispensing conduit may be connected either to said tap or to said air conduit to force the liquid back into said reservoir.

2,189,449
ANIMAL CAGE
Harry F. Morris, Oakland, Calif.
Application December 14, 1936, Serial No. 115,824
2 Claims. (Cl. 119—17)



1. A bird cage or the like comprising, a substantially rectangular base having a bottom and up-standing side walls, a pair of members secured to the exterior of a pair of opposed side walls and adapted to rotatably support a roll of covering material at the exterior of the side wall connecting said first walls, said second named wall having a passage way adjacent said bottom for extension of said covering material into said base, exit means for said material, and a cover for said roll, means pivotally connecting said cover to said members for positioning said cover to overlie said roll and engage the periphery thereof, said means permitting the elevation of said cover and being formed to releasably lock said cover in an elevated position.

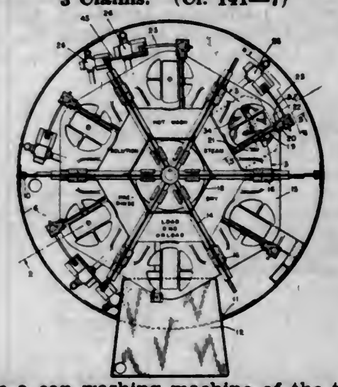
2,189,450
CRACKER OR WAFER HOLDER
William E. Robinson, Taft, Calif.
Application February 6, 1939, Serial No. 254,848
4 Claims. (Cl. 65—15)

1. A wafer or the like holder comprising a stabilizing base, upwardly divergent, longitudinal side walls, which are of about equal height and join in an inverted apex, affixed to the top of the base and form an elongate trough to support



facially adjacent wafers stood, with diagonals vertical, in a row in the trough; said base having a central V-channel to receive the inverted apex of the trough.

2,189,451
ROTARY CAN WASHER
Norman J. Peters, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin
Application November 9, 1938, Serial No. 239,627
3 Claims. (Cl. 141—7)



1. In a can washing machine of the type described, the combination of a casing, a carrier rotatable in said casing to different treating stations therein, a valve for controlling the delivery of steam to the can at one of said stations, and means for automatically operating said valve comprising a trip lever pivotally mounted on said carrier and held in operative position by the can on said carrier, means engaged by said lever for operating said valve, said carrier being provided with a grill forming passages communicable with the interior of a can mounted thereon in inverted position and provided with a groove communicating with one of said passages and adapted to receive said lever, a steam discharge nozzle controlled by said valve and delivering steam through one of said passages in the carrier, and a plate movable to close off those passages not aligned with said nozzle when said steam valve is open, said lever acting to prevent the ready escape of steam from said grill through said groove.

2,189,452
TOOL
Frank Stone, Cleveland, Ohio
Application September 22, 1937, Serial No. 165,127
2 Claims. (Cl. 287—76)

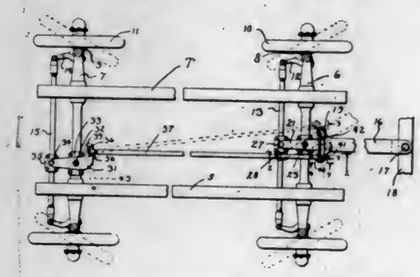
1. A coupling for flexible rods, comprising a short coupling socket having a rectangular opening in one end terminating in a round opening gradually diminishing in diameter and extend-

ing through the opposite end of the socket, a flexible rod extending into said round opening and brazed therein around its ends through the rectangular opening, a rectangular coupling bar secured in the rectangular opening and extending beyond the end of the socket, a second short coupling socket having a rectangular opening to receive the rectangular coupling bar and said open-



ing terminating in a round opening gradually diminishing in diameter and extending through the opposite end of the socket, a flexible rod entering said round opening and brazed therein around its end through the rectangular opening and a transverse removable pin passing through openings in the socket and the coupling bar.

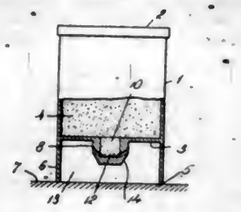
2,189,453
FOUR-WHEEL TRAILER HITCH
Louis C. Struensee, Oshkosh, Wis.
Application February 28, 1938, Serial No. 193,011
1 Claim. (Cl. 280—33.55)



In a four-wheel steering trailer having front and rear linked steering knuckles; the combination of a draft mechanism including, a flat T-shaped head, the cross-arm of which is slotted at a right angle to the stem of the head, pivot clips for securing the stem of the head to the vehicle axle and associated steering knuckle link, ears folded downwardly from the cross-arm of the head, a drawbar having upwardly folded ears in pivotal union with the ears of the cross-arm, and a rod in lever connection with the link of the rear wheel steering mechanism, the front end of the rod being adjustably pivoted in the slot of the cross-arm, whereby said rod is slidably adjusted upon either side of the pivot of the T-shaped head to predeterminedly regulate the degree of movement of the rear steering knuckles and the direction of said movement.

2,189,454
CONDIMENT RECEPTACLE
George Pryse Thomas, Bayonne, N. J.
Application October 4, 1938, Serial No. 233,143
4 Claims. (Cl. 65—45)

1. A receptacle for maintaining hygroscopic granular material in a dry condition and for sprinkling the material which comprises a side-wall, a bottom, said side-wall depending from the bottom, the edge thereof being arranged to engage a table upon which the receptacle rests, a container for the material above the bottom, a chamber formed between the side-wall and the bottom, means in the bottom for sprinkling the material comprising a cell opening directly into the container, a plurality of upwardly extending



ducts leading from the cell to the chamber through which the material may pass when the receptacle is shaken.

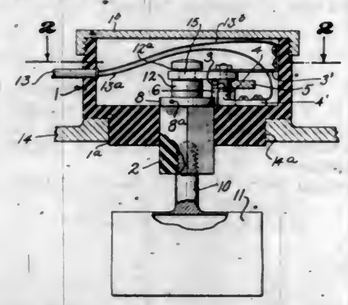
2,189,455
RADIO SET
Howard J. Tyzzer, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 23, 1938, Serial No. 226,337
10 Claims. (Cl. 250—14)



10. A radio set having a molded cabinet, said cabinet comprising ends, a back, and a slanting front portion molded integrally, said back having slots therein for ventilation extending substantially from one edge to the other and provided with feet to hold said back away from a supporting surface, and a separate bottom piece for said cabinet comprising a member to close the open portion of said first mentioned cabinet part, said bottom being provided with ventilation openings effective near both edges thereof and with feet to hold said bottom away from a supporting surface, whereby said radio cabinet may be used while resting either on said back or on said bottom, control means for a radio set located on the ends of said cabinet, and the front of said cabinet being provided with a loud speaker grill and a perforation for automatic tuning means, said automatic tuning means being of a type comprising plungers so that in the several positions of use of said radio set the force applied in using said automatic tuning means may be sustained by a horizontal surface on which said radio set rests and by a vertical surface against which said radio set is placed, respectively, and means for bringing out the power cable of said radio set either through said back or through said bottom, said means comprising meeting slots in said back and said bottom.

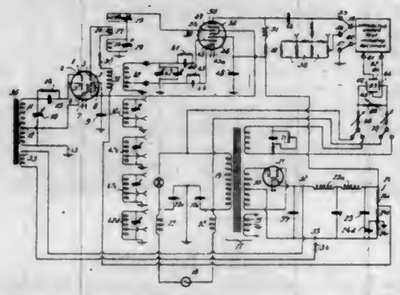
2,189,456
FLOAT SWITCH
Elias C. Alexander, San Francisco, Calif.
Application November 28, 1938, Serial No. 242,649
7 Claims. (Cl. 200—84)

1. In a float operated switch, a fixed contact, a movable contact cooperating therewith and operated by a float, an insulating strip held in abutment with said movable contact in the engagement position of the contacts, biasing means for causing said insulating strip to enter between



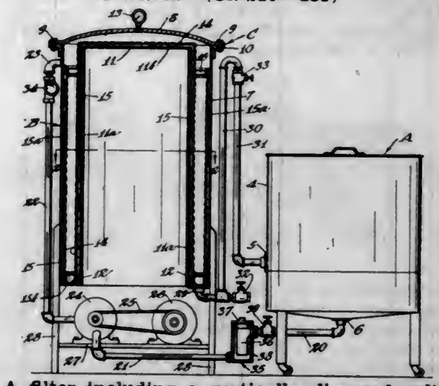
and hold apart said contacts upon their initial separation by said float.

2,189,457
METHOD AND MEANS FOR ELECTRICAL TESTING
Garland W. Archer, Greenwood, Miss., assignor to Supreme Instruments Corporation
Application March 24, 1937, Serial No. 132,722
17 Claims. (Cl. 175—183)



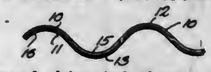
1. The method of determining directly the frequency-response characteristic of an electric circuit device with a cathode-ray oscilloscope developing a cathode beam and having a fluorescent screen and vertical and horizontal deflecting elements, by visual observation of luminous traces whose presence on said screen is due to deflection of said beam, and whose configurations are descriptive of said characteristic, which comprises providing a first voltage of a certain first frequency, deriving from said first voltage a second voltage of a second frequency twice said first frequency, providing a third voltage of a certain third frequency, frequency-modulating said third voltage at said second frequency, impressing a voltage related to said frequency-modulated third voltage on an electric circuit device under test, rectifying the electric current response of said device to said impressed voltage, producing vertical deflection of the cathode beam in proportion to said rectified current, and producing horizontal deflection of said beam in related accordance with said first voltage and at said first frequency, whereby a first luminous trace of the frequency-response curve of said device under test is produced by horizontal movement of the beam in one direction with change of said second frequency in one sense, and a second luminous trace which is the mirror image of said first trace is produced by horizontal movement of said beam in the opposite direction with a substantially identical change of said second frequency.

2,189,458
DRY CLEANING APPARATUS
Worthy W. Carrier, Mound, and Charles Victor, Minneapolis, Minn.
Application August 8, 1938, Serial No. 223,680
1 Claim. (Cl. 210—183)



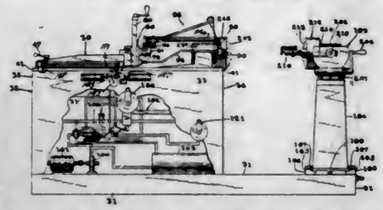
A filter including a vertically disposed cylindrical casing, a cylindrical member disposed within said casing and extending from the bottom thereof to a point adjacent the top thereof to form an annular chamber defined by said casing and said member, a tubular filtering element substantially longer and somewhat larger in diameter than said member, formed of flexible reticulated sheet material, and having one end thereof closed, said filtering element being disposed within said chamber with the closed end thereof resting upon the upper end of said member and the open end thereof supported from the inner side of said casing adjacent the upper end thereof whereby the medial portion of said element will depend to form an annular, open-topped pocket disposed in said chamber, means for conducting fluid to be filtered into said pocket to be filtered through the material thereof, and an annular member interposed between the bottoms of said pocket and said casing and having an annular interior space therewithin, said annular member having therein an annular series of openings for accommodating passage of fluid from said chamber into said interior space and said casing having a fluid outlet in communication with said interior space.

2,189,459
REVERSED BIMETALLIC THERMAL ELEMENT
Norman L. Derby, Philadelphia, Pa.
Application August 10, 1937, Serial No. 158,342
5 Claims. (Cl. 297—11)



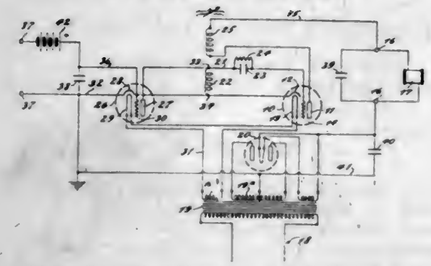
1. A reversed, bimetal thermal element comprising a plurality of substantially similarly shaped sections of metals of two different rates of expansion arranged in progressively overlapping order along the element in the manner of overlapping shingles, with the sections formed of metal of one rate of expansion interposed alternately with the sections formed of the other metal, the sections being firmly joined on abutting faces, an intermediate portion of each section at the point of overlapping being offset and extending to opposite faces of the element so that the opposite faces of the element will be continuous, smooth and shoulderless.

2,189,460
APPARATUS FOR HARDENING GEARS, GEAR TEETH, AND OTHER ARTICLES
Claude W. Derhammer, East Cleveland, Ohio, assignor to The Lakeside Steel Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application July 22, 1937, Serial No. 155,047
20 Claims. (Cl. 266—4)



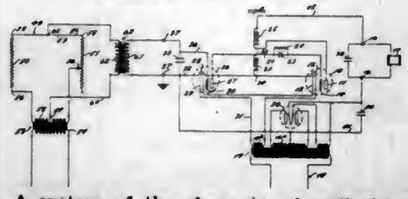
1. Apparatus for heat treating the teeth of a bevel gear, comprising: a reciprocable carriage; heat treating means, supported by said carriage, and adapted to traverse a gear tooth during reciprocation of said carriage; means, supporting the gear, so constructed and arranged that a gear tooth is in alignment with the movement of said heat treating means; said heat treating means comprising a pair of torches constructed and arranged to move toward and away with respect to each other, each of said torches having a burner portion adapted to be positioned in desired spaced relation with a respective one of the opposite surfaces of the gear tooth; and means, including a finger portion directly and slidably engaging one of the opposite surfaces of the tooth being treated during reciprocation of said carriage, said means being so constructed and arranged to simultaneously move both torches toward or away from each other, depending upon the varying dimension between the tooth surfaces, so as to maintain said burner portions in desired spaced relation with respect to the respective tooth surfaces.

2,189,461
ELECTRONIC TUBE CIRCUITS
Harold P. Donle, New York, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application June 15, 1937, Serial No. 148,335
6 Claims. (Cl. 250—36)



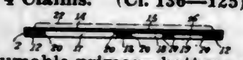
1. A system of the character described, comprising an electronic tube having plate and grid circuits coupled together, an electronic tube having the plate and cathode thereof connected in one of said circuits, said coupling and said last-named tube being coordinated to throw said circuits into and out of oscillation upon variation of said last-named tube, and means for imposing a biasing potential on the grid of said last-named tube for preventing operation thereof upon variation of the grid potential thereon in one direction from its biasing value.

2,189,462
BRIDGE CIRCUIT
Harold P. Donle and Maurice A. Michaels, New York, N. Y., assignors, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application June 15, 1937, Serial No. 148,336
Renewed July 7, 1939
10 Claims. (Cl. 250—36)



7. A system of the character described, comprising a circuit having a current source therein, an electronic tube having the plate and cathode thereof connected in said circuit to vary certain of the constants thereof, and translating means having a source of current energy therein and including unbalanced resistances connected to the grid of said tube so as to impose a potential thereon corresponding to the unbalanced relation, said unbalanced relation being such as to maintain on said grid a normal potential sufficient to prevent operation of said tube upon variation of the grid potential in one direction from said normal value, and one of said resistances being variable in response to external energy excitations to vary the potential on the grid.

2,189,463
PRIMARY BATTERY
Albert I. Eddy, Hillside, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 24, 1936, Serial No. 107,309
4 Claims. (Cl. 136—125)



1. A consumable primary battery electrode element having a plurality of depressions of different depths respectively whereby the element is provided with a plurality of sections of reduced thickness as compared with the main body portion of the element, each of said reduced sections comprising a portion of appreciable area which is of a substantially uniform thickness different from the thickness of the corresponding portion of each of the other of said sections and a portion of increased thickness about said first portion and disposed between the latter and the side walls of the corresponding depression, said portion of increased thickness having a surface formed on a smooth curve and merging into the adjacent surfaces of the said side walls and of the respective portion of uniform thickness.

2,189,464
WHEEL HUB CONSTRUCTION
Marshall H. Frisbie, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application November 10, 1936, Serial No. 110,082
3 Claims. (Cl. 46—221)

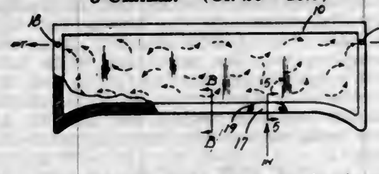
1. A toy wheel comprised of united disc-like

members each having an outwardly dished wall in its hub portion containing an aperture thereby to form an open ended chamber of substantial axial extent in the hub portion of the wheel, and a body of resilient material clamped axially between said member walls within said chamber with sufficient compressive force to be held



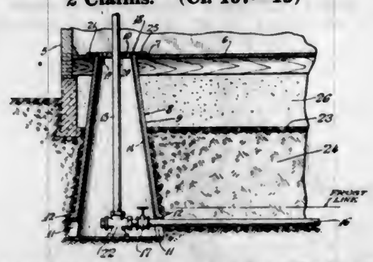
thereby in fixed rotative relation to said members and having an axial bore of expandible size for admitting thereto a cylindrical shaft of greater size than the normal size of said bore, said size of the bore being sufficiently smaller than said aperture to preclude contacting of said walls with said shaft.

2,189,465
WINDSHIELD OR THE LIKE
Roy V. Haley and Arthur J. Glazier, Cincinnati, Ohio, and Chester Tietig, Covington, Ky.
Application October 8, 1937, Serial No. 168,034
8 Claims. (Cl. 20—40.5)



3. A windshield comprising two sheets of transparent material spaced substantially at their margins to enclose a thin flat cavity between them, one of said sheets being belled out at one of its edges, said sheet being provided with an opening through it at a point remote from the belled portion, by an operative connection with the cavity between the sheets.

2,189,466
FROSTPROOF JACKET
Ludwig Huth, Burlington, Iowa
Application January 17, 1939, Serial No. 251,400
2 Claims. (Cl. 137—13)



1. A device of the character described comprising, a hollow jacket member shaped substantially to resemble the frustum of a cone, provided with a number of U shaped recesses at its base portion, the said jacket member being of sufficient length to span the distance between the floor of a room and the frost line below the surface of the ground, the jacket member also provided with an opening at its top portion adapted to receive a cover member, and a cover member provided with an extension adapted to fit snugly into the top opening of said jacket member, said cover member also provided with a hole adapted to fit slidably over a pipe, and a series of vent holes in order to permit heated currents from a room to circulate within the confines of said jacket member.

2,189,467
ORNAMENT AND BUTTON SHIELD
Abraham Jacobs, Cleveland, Ohio
Application December 22, 1937, Serial No. 181,155
7 Claims. (Cl. 68—235)

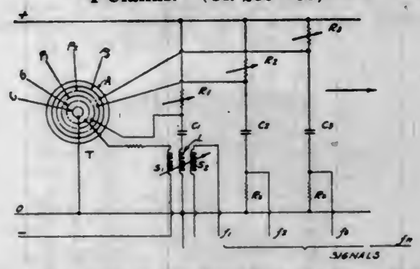


7. A shield comprising a resilient cup-shaped body member having a vent, the said body member having spaced interior annular ribs for retaining an article to be protected, exterior bumpers for absorbing shock to the said article, and an exterior annular bead contiguous to the said annular ribs to stiffen same.

2,189,468
SULPHURIZED POLYMER OF DIHYDRONAPHTHALENE
William Hoffman Kobbé, New York, N. Y.
No Drawing. Application March 30, 1939, Serial No. 264,977
8 Claims. (Cl. 260—79)

1. A composition of matter comprising the product obtained by subjecting a normally solid resinous polymer of dihydronaphthalene and sulphur to a temperature above the fusion point of the reactants but not greatly in excess of about 165° C.

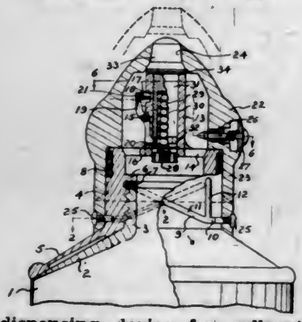
2,189,469
ELECTRICAL GENERATOR
Winston E. Kock and John F. Jordan, Cincinnati, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio
Application January 8, 1936, Serial No. 58,153
Renewed August 12, 1939
4 Claims. (Cl. 250—36)



1. An oscillation generator capable of simultaneously and separately producing a plurality of oscillations of different frequencies, said oscillation generator comprising a gas filled tube arranged to operate as a glow discharge oscillator and comprising a common cathode, a control grid and a third electrode, an oscillating circuit in

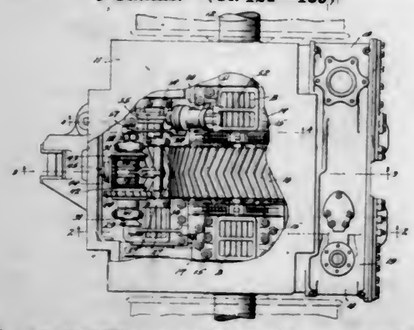
which said elements are located to produce sustained oscillations of a given frequency, a fourth electrode in said tube, an oscillating circuit in which said common cathode and said fourth electrode are located to produce oscillations of a different but related frequency, said third electrode being perforated and related to said fourth electrode to act as a grid therefor and to affect the discharge in said second oscillating circuit at intervals which are harmonically related to the frequency intervals of the oscillations of said first oscillating circuit.

2,189,470
AUTOMATIC CLOSING DISPENSING DEVICE FOR COLLAPSIBLE TUBES
Charles Stewart Mann, Vancouver, British Columbia, Canada
Application September 27, 1937, Serial No. 165,782
8 Claims. (Cl. 221—60)



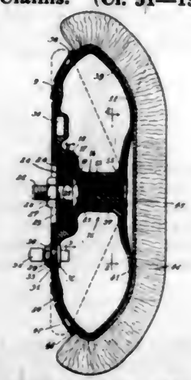
1. A dispensing device for collapsible tubes comprising a sleeve, a cap rotatable and endwise movable upon the sleeve, said cap having a discharge opening and a closure for the opening carried by the sleeve, means for holding the closure stationary within the sleeve when the cap is moved outwardly endwise, a spring for urging the closure towards the opening in the cap, and means for releasing the spring.

2,189,471
REVERSIBLE PROPULSION UNIT
John A. McGrew, Albany, N. Y.
Original application May 16, 1935, Serial No. 21,855, now Patent No. 2,078,262, dated April 27, 1937. Divided and this application April 1, 1937, Serial No. 134,441
9 Claims. (Cl. 121—139)



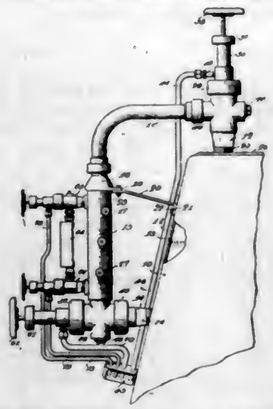
1. A reversible propulsion unit comprising in combination, a frame having bearings for a driven axle, bearings for a driving shaft, and valves and valve cages, spaced horizontally from and upon one side of said axle bearings, eccentric and reverse shafts supported upon said driving axle bearings, means operatively connecting the eccentric and reverse shafts, and means operatively connecting the eccentric shaft to the valves.

2,189,472
BUFFING DEVICE
Edward G. Peterson, Rockford, Ill.
Application September 27, 1937, Serial No. 165,784
5 Claims. (Cl. 51—196)



1. A buffing and grinding head comprising a molded disk-like body having a central hub portion of relatively small radius and an annular flexible walled pneumatic ring having side walls forming part of said disk laterally deflectable by pressure against the work, said body being formed of composite rubber and fabric, a driving shaft member for attachment to drive mechanism molded into said central hub portion, and means for inflating the annular ring portion.

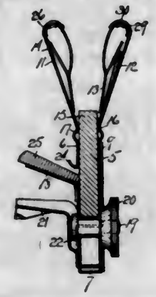
2,189,473
STEAM AND WATER LEAKAGE REVEALING STRUCTURE FOR STEAM BOILERS
Harvey W. Poor, Lexington, Ky.
Application April 20, 1938, Serial No. 203,191
1 Claim. (Cl. 73—332)



A steam and water leakage revealing structure for revealing the conditions of valve seals for use with the steam and water spaces of a steam boiler having a boiler sight glass and a water column, said structure including in combination an upper and a lower valve unit arranged relative to the

boiler, said upper unit including a steam intake chamber opening into said steam space and the upper end of said column, a steam outlet chamber communicating with the intake chamber, a pair of spaced aligned valve seats and a manually adjustable valve for selective cooperation with said seats for simultaneously closing the steam space to said column and intake chamber and to establish communication between said chambers, for simultaneously closing said outlet chamber to said intake chamber and to establish communication between said column and steam space and for simultaneously establishing communication between said chambers, column and steam space, said lower unit including a water intake chamber opening into said water space and into the lower end of said column, a water outlet chamber communicating with the said water intake chamber, pair of spaced aligned valve seats and a manually adjustable valve for selective cooperation with such seats for simultaneously closing the water space to said column and intake water chamber and to establish communication betwen said intake and outlet water chambers, for simultaneously closing said outlet water chamber to said intake water chamber and to establish communication between said water intake chamber, water space and column and for simultaneously establishing communication between said intake and outlet water chambers, column and water space, a pair of spaced superposed upper and lower sight glass valve units, one formed with a steam intake and a steam outlet chamber communicating with the latter steam intake chamber and the other sight glass valve unit formed with a water intake chamber and water outlet chamber communicating with the latter water intake chamber, the steam intake chamber of one of the sight glass valve units opening into the upper portion of said column and the upper end of said glass and the water intake chamber of the other sight glass valve unit opening into the lower portion of said column and the lower end of said glass, each of the sight glass valve units including a manually adjustable valve for controlling communication between the chambers thereof the said column and glass, a depending leakage revealing pipe opening into and leading from each of said outlet chambers, the lower end terminal portions of said pipes being disposed in closely related spaced parallel position, and means for maintaining the lower end terminal portions of said pipes in closely related spaced parallel position.

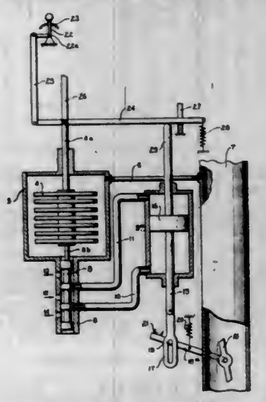
2,189,474
BLADE SHARPENER
Wilson A. Russell, Hartford, Conn.
Application January 21, 1937, Serial No. 121,458
3 Claims. (Cl. 76—88)



1. A sharpener including a case compris-

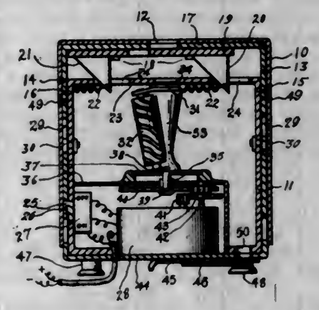
ing a support extending upwardly and outwardly from the upper edge of said case, a guide projecting downwardly from the upper edge of said support and forming in connection therewith an opening to receive a blade while being sharpened, a spring tongue located between said support and guide for pressing a blade toward said support within said opening, and a file projecting upwardly out of the upper edge of said case in cooperative relation with respect to said support.

2,189,475
REGULATING APPARATUS
Karl Saur, Berlin-Reinickendorf, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application October 12, 1937, Serial No. 168,670
In Germany September 5, 1936
9 Claims. (Cl. 123—103)



1. In apparatus of the class described, an adjusting member, means controlled by said member for controlling a servo-motor, means for controlling an operating condition within an operating range by said servo-motor, a member for adjusting a second operating condition in accordance with the adjustment of said member, and means for controlling said second operating condition by said servo-motor beyond said operating range.

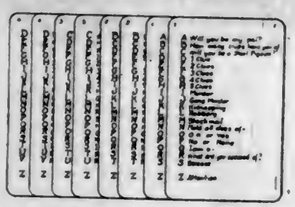
2,189,476
PENCIL SHARPENING MACHINE
Edgar Stanley Siggelko, Rochester, N. Y.
Application October 3, 1938, Serial No. 232,932
4 Claims. (Cl. 120—96)



2. A combined closure and switch for an electric motor driven pencil sharpening machine

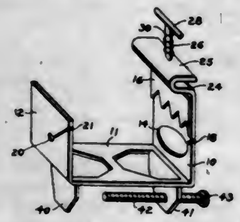
comprising an outer case perforated for receiving a pencil; an inner case provided with electric motor driven pencil sharpening means, with an opening for receiving the pencil concentric with the perforation in said outer case; closure means for said opening operatively disposed between and actuated by relative movement of said inner and outer cases; and switching means operatively connected with said motor and actuated in synchronism with said closure means upon relative movement of said inner and outer cases.

2,189,477
CARD GAME
Mont Sleeth, Cambridge Springs, Pa.
Application June 29, 1937, Serial No. 150,968
5 Claims. (Cl. 273—152)



1. In a card game, a pair of key cards having indicia thereon forming means of communication between the holders thereof comprising units giving information, each unit being identified by a cipher symbol and other cards accompanying each key card having indicia thereon having relation to the information communicable through the key cards, the identity of which may be communicated by disclosure of the cipher symbols on the key cards.

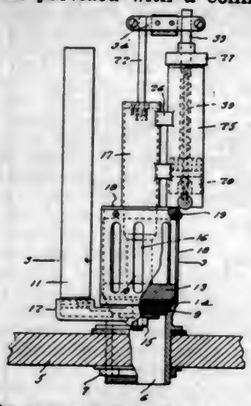
2,189,478
FISHING DEVICE
Alfred J. St. George, Millbury, Mass.
Application April 13, 1939, Serial No. 267,668
11 Claims. (Cl. 43—4)



1. A fishing device comprising a standard having an opening therethrough for insertion of the head of a fish, means including a knife mounted on the standard for cutting into the fish thus held, a stop member spaced from and in line with said opening and means whereby a fish caught on a line may be drawn into said opening to the stop member which thus locates the fish head relative to the cutting device.

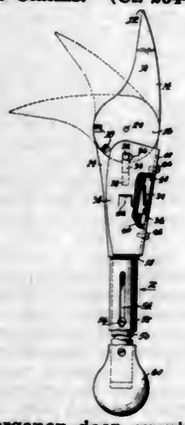
2,189,479
FLUSH TANK VALVE
Fred L. Suitt, Durham, N. C.
Application February 7, 1939, Serial No. 255,141
5 Claims. (Cl. 4—62)

1. A valve for flush tanks comprising a gravity actuated valve member adapted to control discharge of water from the tank and a dash-pot mechanism provided with a confined fluid and



operatively connected to the valve for retarding movement of the valve.

2,189,480
EMERGENCY DOOR OPENING TOOL
Joseph D. Tessier, Worcester, Mass.
Application September 16, 1939, Serial No. 295,331
9 Claims. (Cl. 254—131)



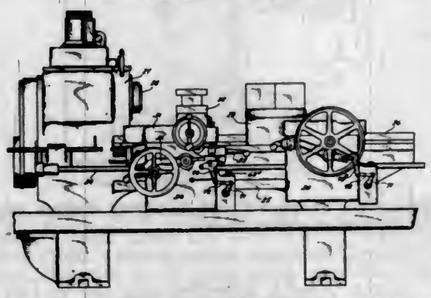
2. An emergency door opening tool comprising a prying head having a sharp-edged wedge and a curved bearing surface for insertion between the parts to be pried apart, an elongated straight handle adjustably associated with said head, whereby said head and its wedge may be selectively located in alined position with respect to said handle and at an angle thereto, and means to lock said head and said handle in adjusted position, said means including a resiliently urged, manually retractible lug on the handle.

2,189,481
FILMS, FILAMENTS, AND OTHER SHAPED ARTICLES MADE BY HARDENING PROTEINS COAGULATED FROM THEIR SOLUTIONS
David Traill, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 24, 1938, Serial No. 209,854. In Great Britain March 24, 1937
8 Claims. (Cl. 18—54)

1. Artificial filaments of hardened coagulated

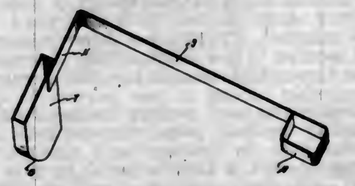
proteins characterized by water-repellent surfaces, by a soft handle, and by sufficiently high resistance to deterioration by hot dilute aqueous acid solutions to enable them to be dyed satisfactorily in acid wool dyeing baths.

2,189,482
MACHINE TOOL
John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application January 19, 1938, Serial No. 185,727
26 Claims. (Cl. 29—46)



1. In a machine tool having a movable part, and change speed means for moving said part at different rates; mechanism for selecting the different rates of movement for said part and operatively associated with said change speed means and including a pair of members, means for rotatably supporting said members on radially spaced axes, said members being provided with cooperating portions arranged substantially in the plane of revolution of said members.

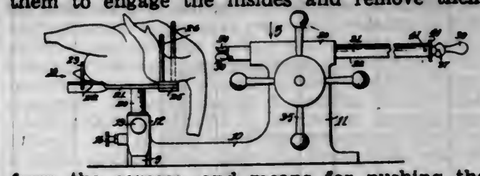
2,189,483
BASTING SCOOP
Katherine Bird, Detroit, Mich.
Application April 14, 1937, Serial No. 136,867
1 Claim. (Cl. 65—28)



A basting scoop comprising an L-shaped handle, an elongated narrow cup member secured to the terminal portion of the short arm of said handle and said cup member being narrow in the same direction as the longer arm of the handle to permit the cup member to be swung about said longer arm as an axis for basting purposes.

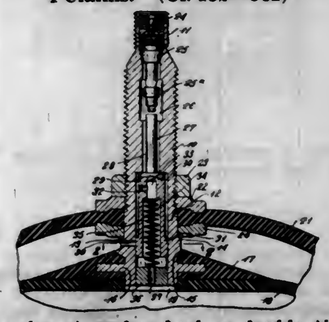
2,189,484
APPARATUS FOR CLEANING POULTRY AND THE LIKE
Alcibiade A. Brodeur, Worcester, Mass.
Application March 7, 1938, Serial No. 194,343
8 Claims. (Cl. 17—11)

1. The combination with a support for a carcass, of a plunger, means for guiding the end of the plunger into a carcass on said support, arms movably mounted on said means for guiding said plunger, means for moving said arms outwardly operated by said plunger, to enable them to engage the insides and remove them



from the carcass, and means for pushing the plunger all the way through the carcass.

2,189,485
VALVE STEM
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1938, Serial No. 231,018
4 Claims. (Cl. 152—341)

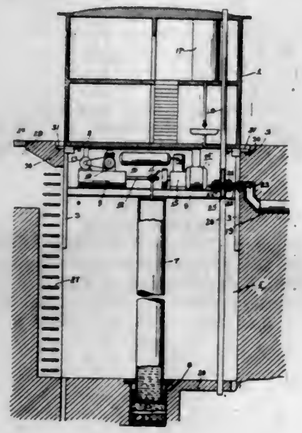


1. A valve stem for dual or double tire tubes of the type having inner and outer tube members and comprising a stem proper secured to both tube members and provided with a bore therethrough, means placing said bore in communication with both tube members, valve means for sealing said bore outwardly of the first named means, and means in said bore automatically operating when said valve means is closed to interrupt the communication between said bore and said outer tube member.

2,189,486
BUILDING STRUCTURE WITH SELF-CONTAINED RAISING AND LOWERING MECHANISM
Andre D'Amico, Rochester, N. Y.
Application May 7, 1938, Serial No. 206,622
1 Claim. (Cl. 20—1)

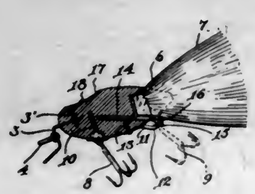
In an elevatable dwelling vertically movable into and out of a pit substantially the size of said dwelling, a cellar compartment formed on the lower part of said dwelling and isolated from the remainder of said dwelling thereabove, hydraulic raising and lowering means for said dwelling comprising actuating and control means located in said compartment, a soil pipe positioned substantially vertically in said dwelling and extending through said compartment, a first sewage receiving means positioned in the side of said pit opposite the position of said compartment when said dwelling is in the elevated position, a second sewage receiving means projecting upwardly from the bottom of said pit substantially in the line of said soil pipe, and two-way valve means mounted in said compartment detachably connected to said first sewage receiving means and connected with said second sewage receiving means and arranged to selectively

connect said soil pipe with said first or with said second sewage connecting means, whereby



sanitation is provided for said dwelling in both elevated and lowered positions.

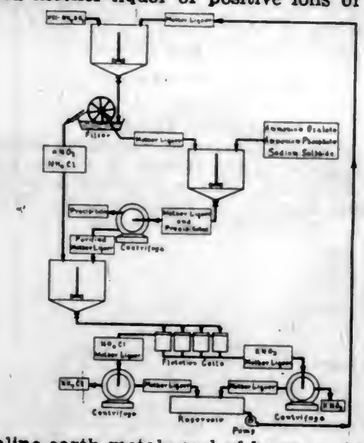
2,189,487
FISH LURE
Sam F. Davenport, Garrett, Ind., assignor to Creek Chub Bait Company, Garrett, Ind.
Application January 25, 1939, Serial No. 252,833
4 Claims. (Cl. 43—46)



1. A fish lure including a body portion, a flexible tail secured to the body portion, a fish hook, and means for connecting the hook to the body, said means including a rod and fasteners for securing the ends of the rod to the body, one of said fasteners extending downwardly and rearwardly through a major portion of the body and being adapted to limit movement of the hook toward the tail.

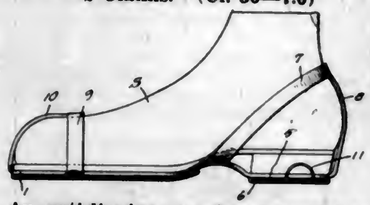
2,189,488
PROCESS OF SEPARATION, BY FLOATING, OF AMMONIUM CHLORIDE FROM ITS MIXTURE WITH ALKALINE SALTS
Jean Dessèvre, Grand-Couronne, France
Application October 11, 1937, Serial No. 168,518
In France October 28, 1936
10 Claims. (Cl. 23—100)

3. In a cyclic process of preparation by double decomposition and separation by flotation of ammonium chloride and nitrates of alkali metals in suspension in a saturated aqueous medium with reutilization of the final saturated mother-liquor as the saturated aqueous medium for a new cycle of double decomposition and separation by flotation, the step comprising freeing the saturated mother-liquor of positive ions of salts of



alkaline earth metals and of heavy metals while free from suspended salts.

2,189,489
ANTISLIPPING SHOE
John J. Fritz, Bradford, Pa.
Application February 14, 1939, Serial No. 256,354
2 Claims. (Cl. 36—7.6)

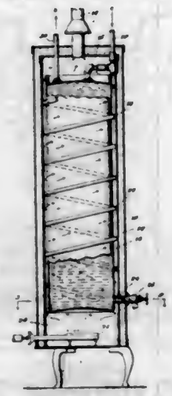


1. An antislipping overshoe comprising an inner sole member, the rear portion of the member being provided with an elastic loop to engage over and around the heel portion of a shoe, a toe receiving strap carried by the forward portion of the member, a lamination of antislipping material secured to and disposed over the under face of the forward portion of the sole member, said sole member having a rear portion to underlie the heel of the shoe, a strap connecting the rear portion of the heel portion of the sole member and the loop for holding said heel portion in position upon the shoe when said loop is disposed over and around the heel, and an antislipping lamination overlying and secured to the under face of said heel portion.

2,189,490
WATER HEATER
David M. Hart, Los Angeles, Calif.
Application June 17, 1938, Serial No. 214,293
2 Claims. (Cl. 126—362)

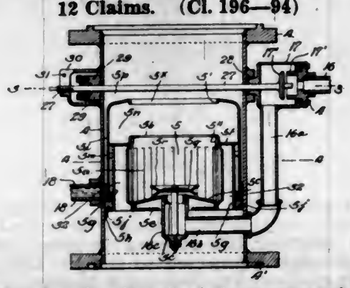
1. A water heater comprising an upright tank having a burner mounted thereunder, an insulating shell enclosing said tank and annularly spaced therefrom, a cold water supply pipe at the top of the tank equipped with an injector device and thence leading downward in a spiral encircling the tank to the bottom thereof, and connected to discharge water into the lower portion of the tank, said pipe defining a spiral annular off-take for the products of combustion leading to a discharge flue at the top of the tank, and a

check valve controlled by-pass from said inlet pipe directly to the top of the tank constructed and arranged to permit circulation of water through said spiral into the top of the tank when



water is not being drawn off, but to prevent passage of water from the tank top therethrough when fresh water is being admitted through the inlet pipe, said check valve being in position to be closed by the action of said injector device.

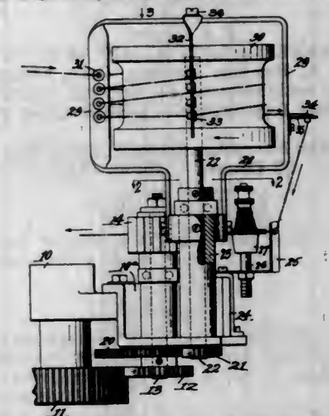
2,189,491
CONTACTING PROCESS AND APPARATUS
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 1, 1937, Serial No. 128,470
Renewed November 6, 1939
12 Claims. (Cl. 196—94)



3. The herein described improvement in the art of fractionating liquid such as petroleum, which consists in organizing a stream of hot vapor of such liquid, directing said stream into a vortex having a central discharge, feeding water into said vortex and thereby abstracting heat from the vapor stream and condensing those constituents thereof which liquify at the temperature of the vapor leaving said vortex, centrifugally ejecting the condensate and forming a side stream of substantially that temperature, first manually adjusting the inflow of water and thus fixing the temperature of said side stream and thereafter thermostatically varying the inflow of water and thereby holding the side stream temperature substantially constant.

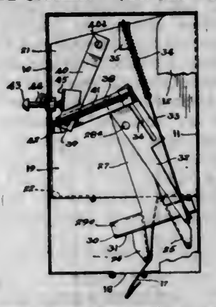
2,189,492
COMPENSATOR FOR FEEDING ELASTIC THREAD
Adolf H. Henne, Millbury, Mass., assignor to The Worcester Knitting Company, Worcester, Mass., a corporation of Massachusetts
Application October 8, 1938, Serial No. 233,993
2 Claims. (Cl. 66—132)

1. In a compensating device for feeding elastic threads, the combination with the main gear of a knitting machine or the like, of a pinion taking power from said gear as it rotates, a first shaft driven by said pinion and having a thread feeding means driven thereby, a second shaft, the latter having fixed thereto a comparatively large diameter cylinder having a smooth, continuous, uninterrupted periphery, operative connections between the shafts to rotate the second shaft at a much higher speed than the first shaft, where-



by the surface speed of the cylinder is much greater than the rate of feed of the thread, a frame carried by the knitting machine and supporting said shafts, means for guiding an elastic thread from its spool to the cylinder and leading the thread a plurality of times around the cylinder, whereby friction is created between the advancing thread and the much faster moving surface of the rotating cylinder, and means to vary the degree of this friction at the will of the operator.

2,189,493
DISPENSING CABINET FOR PAPER TOWELS
Charles E. Kirch, Buffalo, N. Y.
Application September 23, 1937, Serial No. 165,359
11 Claims. (Cl. 312—58)



1. A cabinet for dispensing paper towels, a magazine in which said towels are adapted to be folded and arranged in a pack so that the leading ends of alternate of said towels are located at one side of said pack while the leading ends of the intermediate towels are located at the opposite side of said pack, said cabinet having an opening in one wall through which said towels are adapted to be withdrawn, said magazine supporting the foremost towel so that its leading end is spaced from said opening, a member which is located between said magazine and said opening and which is movable between two limits and

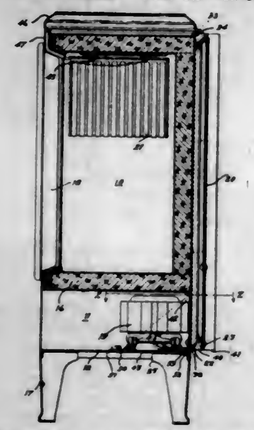
means for effecting movement of said member first to one of said limits and then to the other, said member being operative as it is moved toward one of said limits to advance the leading end of the foremost towel through said opening and being operative when the foremost towel has been withdrawn and it is moved toward the other of said limits to advance the leading end of the succeeding towel through said opening.

2,189,494

REFRIGERATING APPARATUS

Andrew A. Kucher, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application November 26, 1932, Serial No. 644,475
22 Claims. (Cl. 62—116)



1. A refrigerator comprising a cabinet having upwardly directed side walls and an interior food preserving compartment, a refrigerating system associated with said cabinet and including a refrigerant translating device, a condenser and an evaporator, said evaporator being in thermal exchange relationship with said food preserving compartment, said condenser being a substantially flat hollow structure formed of superimposed and secured together sheet metal portions and having flue forming means associated with its edges to space the condenser from a wall of the building in which the refrigerator is placed and to enclose an air current inducing flue between said condenser and said wall of the building, said refrigerant translating device being supported on the lower part of said cabinet, and means to direct air warmed by said translating device along an edge of said condenser outside said flue.

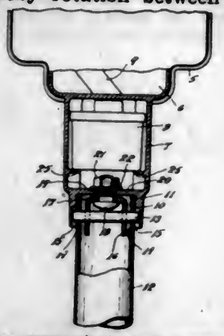
2,189,495

FASTENER

Louis V. Lucia, West Hartford, Conn., assignor to The Standard Meter Corporation, Hartford, Conn., a corporation of Connecticut

Application September 16, 1937, Serial No. 164,213
4 Claims. (Cl. 248—176)

1. In combination with a casing and a supporting member therefor, fastening means for securing said casing to said supporting member comprising a socket in said casing adapted to receive the end of said supporting member, a connector, an anchoring bar extending through said support and connector and having the ends thereof extending beyond the outer surface of said support and adapted to be received in said socket in a manner whereby rotation between said casing



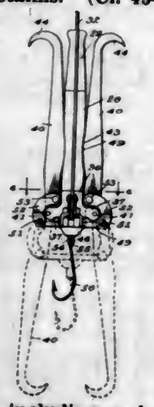
and support is prevented and means upon said connector for securing the same to said casing.

2,189,496

FISHHOOK

William O. Maurer, Cincinnati, Ohio, assignor to George H. Hutaff, Jr., Wilmington, N. C.

Application December 23, 1938, Serial No. 247,472
10 Claims. (Cl. 43—89)



1. A fishhook including a housing, gripping jaws pivotally connected to the housing, a rod slidably mounted relative to the housing, a spring positioned within the housing, for normally holding the rod in its inner-most position, and a member carried by the rod and adapted for swinging the gripping jaws upon movement of the rod relative to the housing.

2,189,497

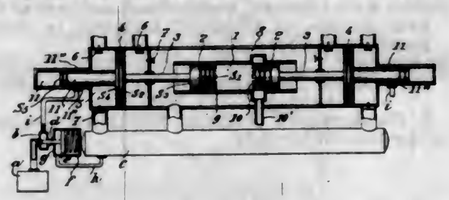
FREE PISTON MACHINE

Raul Pateras Pescara, Paris, France

Application December 31, 1937, Serial No. 182,866
In Luxemburg January 7, 1937
13 Claims. (Cl. 230—56)

1. A free piston motor compressor comprising a motor element including a motor cylinder and a motor piston freely movable in said cylinder, compressor means of the double acting type having substantially equal and variable delivery pressures on either side thereof, means enclosing a space adjacent the outer face of the motor piston, means connecting such space to the outlets of the two sides of said compressor means, intake means for said motor cylinder connected to said space, exhaust means for said motor cylinder for the escape of a mixture of the excess

of compressed air and combustion gases therefrom, a connecting rod of less diameter than the motor piston connected thereto and to said compressor means, and a pneumatic energy ac-



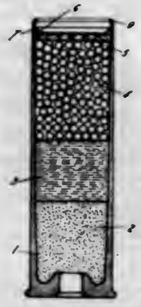
cumulator operatively connected to said piston, said compressor means having a clearance space, the pressures in said first space, said accumulator and said clearance space coacting to return said motor piston to compressing position.

2,189,498

METAL CARTRIDGE FOR SHOTGUNS

Jules Spengler, Mulhouse-Bourtzwiller (Haut-Rhin), France

Application November 18, 1938, Serial No. 241,264
In France April 15, 1938
4 Claims. (Cl. 102—15)



1. A cartridge for shotguns, comprising a cylindrical metal casing provided with at least one internal annular groove near its outer end, a resilient metal ring, the external diameter of said ring being greater than the internal diameter of said casing and fitting resiliently in said annular groove, and a closing disc of a material adapted to be disintegrated at the firing, said closing disc being retained by said metal ring and retaining a shot and powder charge within said casing.

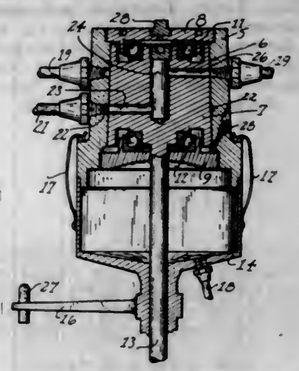
2,189,499

ENGINE CONTROL MECHANISM

Herbert Harold Trimmer, Van Nuys, Calif.

Application June 7, 1938, Serial No. 212,363
2 Claims. (Cl. 251—94)

1. In a device of the character described, comprising a housing supported to oscillate and having a tapering bore therethrough, a valve plug mounted in said bore, caps screwed in said housing above and below the valve plug and having ball bearing engagement with the valve plug, a shaft carried by the valve plug and rotated by the engine, a plurality of pipes connected to the housing and communicating with the tapered bore, a fuel supply pipe connected to the housing and communicating with an annular groove in the tapered bore, a passage through the valve plug and having one end communicating with the annular groove and the opposite end adapted to communicate in succession with the plurality of



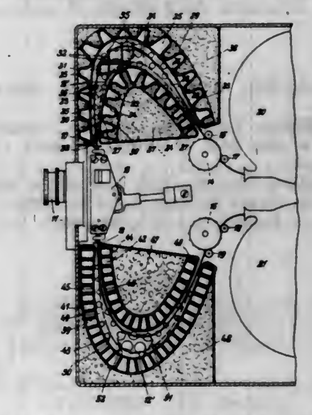
pipes, and means for oscillating said housing around said valve plug.

2,189,500

MOTION PICTURE CAMERA

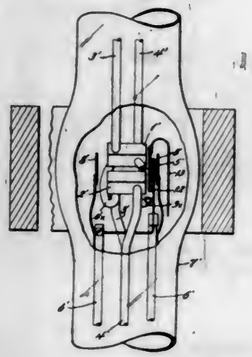
Paul Heinisch, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany

Application December 16, 1937, Serial No. 180,238
In Germany December 17, 1936
2 Claims. (Cl. 88—17)



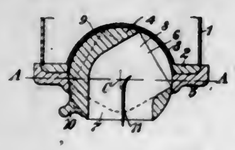
1. In a motion picture camera the combination with a camera casing and film guiding means therein; of a perforated wall arranged adjacent to the path of the film between the film feeding mechanism and the film guiding means of said camera; a corrugated pliable sound absorbing material extending at the far side of the wall with respect to the path of the film, the successive corrugations abutting said wall between perforations of the latter; and partitions extending through said corrugations substantially at right angles thereto to form individual chambers therewith, the partitions abutting said wall between perforations of the latter, whereby separate cells are formed in the manner of Helmholtz-resonators, each cell enclosing a volume of air communicating with the interior of the camera casing through the said perforations, thereby causing the volume of air in the cells to vibrate in response to noise of the film consuming sound energy and silencing the camera.

2,189,501
SHORT WAVE GENERATOR
Adolf Helbig, Berlin, Germany, assignor to Electricitatsgesellschaft "Sanitas", G. m. b. H., Berlin, Germany, a corporation of Germany
Application October 1, 1937, Serial No. 166,776
In Germany September 4, 1935
5 Claims. (Cl. 250—27.5)



3. A magnetic field valve for generating ultra short waves comprising, a hollow open ended anode; a cathode situated outside the anode opposite the open end of said anode, said cathode comprising a bifilar spiral; and means for generating a magnetic field axially of said anode.

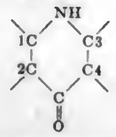
2,189,502
VENTILATOR, AIR DIFFUSER, AND THE LIKE
Norman Finlay Johnston, Glasgow, Scotland, assignor of one-half to John Marshall, Glasgow, Scotland
Application May 3, 1938, Serial No. 205,826
In Great Britain April 10, 1937
4 Claims. (Cl. 98—40)



1. A ventilator comprising, a spherical member having an elbow air passage extending therethrough and terminating at the periphery thereof, a socket having an opening therein adjustably supporting said member so that air can be discharged from an outlet end of the elbow passage in variable direction while an inlet end of the passage remains unobstructed by the socket, a spherical segment of said member having a diameter at least equal to the smallest diameter of the socket on the outlet side thereof and the two extremities of the air passage terminating outside said spherical segment, and the peripheral surface area of said segment extending over such a portion of the spherical member that the shortest chord defining the smallest limits of the segment is substantially equal to the diameter of the opening in the socket, whereby the passage of air through the ventilator can be cut off by turning the member to such position that said spherical segment closes the opening in the socket.

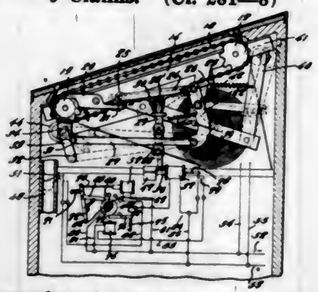
2,189,503
CONDENSATION PRODUCTS CONTAINING NITROGEN AND PROCESS OF MAKING SAME
Walter Kern, Sissach, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application October 19, 1937, Serial No. 169,915. In Switzerland October 24, 1936
4 Claims. (Cl. 260—276)

1. Condensation products containing nitrogen of the general formula



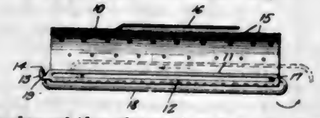
wherein the pair of carbon atoms C_1C_2 belongs to an anthraquinone nucleus and the pair of carbon atoms C_3C_4 belongs to a pyrene nucleus, and wherein the NH-group connects an α-position of the anthraquinone nucleus with the 3-position of the pyrene.

2,189,504
COIN CONTROLLED SCOREBOARD
Otto Klaus, San Antonio, Tex.
Application October 25, 1938, Serial No. 236,952
6 Claims. (Cl. 281—8)



1. A scoreboard comprising a casing, an illuminated transparent panel carried by said casing and exposed to view and bearing ruled markings, feed rollers mounted in said casing, means for supporting paper in roll form for movement over the panel by engaging said feed rollers, sprocket gears and a sprocket chain connecting the feed rollers, a ratchet gear secured to one of the rollers, a gravity actuated dog in engagement with said gear for releasably securing the paper against movement over the panel, and means for simultaneously releasing the dog from the ratchet gear and for advancing the sprocket chain to feed the paper over the panel.

2,189,505
CURLER
Gilbert E. Laos, Tucson, Ariz.
Application June 27, 1939, Serial No. 281,470
6 Claims. (Cl. 132—41)



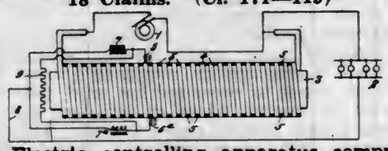
2. A curler of the character described comprising a tubular body having a stationary clip outstruck therefrom, clamping means movable from within to without the said tubular body through one end thereof, and means for fastening the clamp in clamping relation to the body when without the same.

2,189,506
LUMINOUS ADVERTISING DEVICE
Leopold Lion, Berlin-Charlottenburg, Germany
Application October 10, 1938, Serial No. 234,280
In Germany October 23, 1937
1 Claim. (Cl. 40—130)



A luminous advertising device, comprising in combination a front box-like frame, a partially transparent front plate adapted to bear advertising matter enclosed in the said frame, detached cut-out signs such as letters extending upwards from the upper edge of the frame, a concave rear wall, cut-out signs such as pictorial representations of figures extending upwards from the upper edge of the rear wall to a greater height than the signs extending upwards from the front frame, the rear wall and the signs upstanding therefrom being curved about a vertical axis, and a source of light concealed between the front frame and the lower portion of the rear wall to illuminate the rear wall and the signs up-standing therefrom and also the partially transparent plate in the front frame.

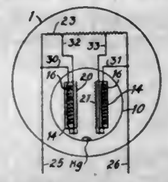
2,189,507
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application August 20, 1936, Serial No. 96,967
18 Claims. (Cl. 171—119)



1. Electric controlling apparatus comprising an inductive winding having alternate exposed electrical contacting portions of the winding with intermediate non-electrical contacting portions in a path along the winding and other alternate exposed contacting portions of the winding with intermediate non-contacting portions in another path along the winding, contacts movable along said paths respectively, means for continuously maintaining said contacts in the same relative position to each other at all times including the time of simultaneous movement along said paths, longitudinal conductors extending over said paths respectively, and means for maintaining electrical connection between said contacts and said conductors respectively when said contacts are moved along said paths.

2,189,508
COMBINATION INCANDESCENT AND ULTRAVIOLET LAMP
Michel E. Macksoud, St. Albans, N. Y., assignor to Macksoud Patents, Inc., New York, N. Y., a corporation of New York
Application August 6, 1935, Serial No. 34,884
3 Claims. (Cl. 176—1)

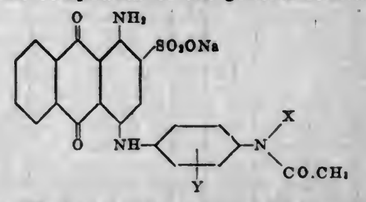
3. An electric lamp comprising an outer bulb having a filament mounted therein and an energizing circuit, an inner tube having an ionizable gas content, electrodes mounted in the tube and connected at spaced points to the filament to shunt out a relatively short portion thereof when



an arc discharge is in operation between the electrodes, heater coils for the electrodes, and circuits therefor in which is included the electrode connections, a substantial portion of the filament being excluded from the heater coil circuits.

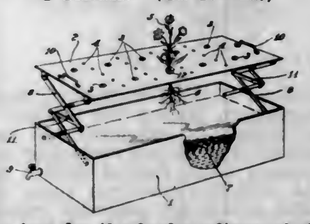
2,189,509
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES
Hans Schlichenmeier, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application July 3, 1937, Serial No. 151,965. In Germany July 9, 1936
4 Claims. (Cl. 260—372)

1. The compounds of the general formula:



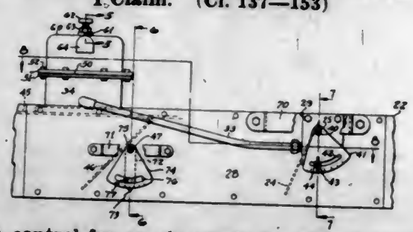
wherein X represents a member of the group consisting of hydrogen and methyl, Y represents a member of the group consisting of Cl, Cl_2, Br and Br_2, being dyestuffs of good fastness properties.

2,189,510
HYDROCULTURE PLANT BOX
Miller W. Swaney, Bloomfield, N. J., assignor to Ellis Laboratories, Inc., a corporation of New Jersey
Application June 16, 1938, Serial No. 214,035
4 Claims. (Cl. 47—1.2)



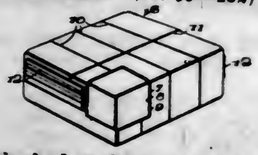
1. As a box for the hydroculture of plants, the combination which comprises a nutrient-solution container, a lid for said container, said lid having several series of larger perforations and several series of smaller perforations, means for supporting plants in said large perforations, and light baffles, said baffles being attached to the underside of said lid and screening said smaller perforations while permitting free access of air through said smaller perforations to said container.

2,189,511
DIAPHRAGM DAMPER CONTROL FOR STOKERS
Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application August 17, 1936, Serial No. 96,425
1 Claim. (Cl. 137—153)



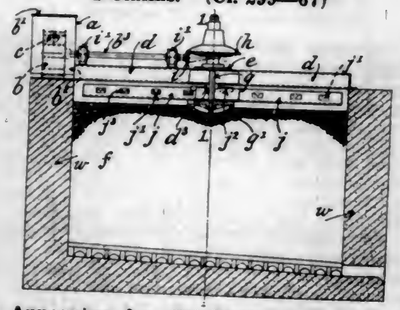
A control for an air supply for stokers consisting of an air duct through which air may be delivered to a combustion chamber, said duct having mounted therein a floating pilot vane responsive to the flow of air through the duct, a balanced control damper mounted in said duct, a pneumatic actuator for said balanced control damper including a dash pot having a diaphragm forming one end thereof, said diaphragm having means for connecting same to said balanced damper in a manner that a movement of the diaphragm will rock said damper, said dash pot having a controllable outlet port and also having an inlet port provided with a check valve, said ports cooperating to provide an easy entrance of air into said dash pot and a restricted flow of air therefrom, an air supply pipe communicating between said actuator and the air duct, the inlet of said air supply pipe facing the flow of air through said air duct, said floating vane having a valve attached thereto adapted to close the inlet of said air supply pipe when said floating vane is raised above a predetermined position by an excessive flow of air through said duct.

2,189,512
METHOD AND MEANS OF PACKING FOOD PRODUCTS AND THE LIKE
Samuel H. Berch, Beverly Hills, Calif.
Application October 25, 1938, Serial No. 236,965
Renewed November 30, 1939
8 Claims. (Cl. 99—152)



1. A method of packing products evolving gas which consists in placing the product within a container capable of collapsing and having the characteristic of a limited controlled distension, said container being formed with a laminated sheet wall including an inner sheet of flexible pliable and stretchable material impervious to air, moisture and the action of oils and other greases, and an outer initially non-stretching sheet of material, said sheets being united between their surfaces so as to exclude entrance of air between the sheets and the outer sheet being slitted to impart to it the characteristic of a limited stretching, the container being completely filled with the product, then exhausting air from the container causing the walls of the container to collapse around the product and compressing the same into a hard solid mass, and hermetically sealing and vulcanizing the inner wall of the container so that the sealed vulcanized ends of the container will also be impervious to moisture and air and the deteriorating action of oils and greases, and whereby atmospheric pressure acting upon the walls of the container will maintain the container in its collapsed position and the product in a compacted condition therein.

2,189,513
APPARATUS FOR DISTRIBUTING SEWAGE OVER A FILTER BED
James Frankland Bolton, Heywood, England
Application June 27, 1939, Serial No. 281,315
In Great Britain May 21, 1938
4 Claims. (Cl. 299—67)



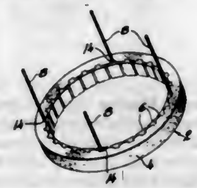
3. Apparatus for distributing sewage over a circular filter bed, comprising a water wheel, a housing therefor located upon the edge of the filter bed, sewage inlet to said housing, means to direct the sewage from the inlet to the water wheel, a hollow support beam across and above the filter bed, a passage way for sewage from the housing to said support beam, an outlet midway of the hollow support beam, a shaft driven by the water wheel, bearings for said shaft on the support beam, gear mechanism operated by said shaft, a vertical shaft driven by said gear mechanism, anti-friction bearing provision for said vertical shaft, rotatable distributor arms supported by the vertical shaft, said arms being of trough shape in cross section, said distributor arms having spaced lateral outlets over a portion of their length and on opposite sides, and plates adjustable with respect to said lateral outlets, said distributor arms being adapted to distribute sewage upon the circular filter bed and to be rotated when the water wheel is driven.

2,189,514
METHOD OF MANUFACTURING PLAYING BALL CENTERS
Carlton C. Davis, Glen Ellyn, and Jesse Howell Gregory, Wheaton, Ill., assignors, by mesne assignments, to Wilson Sporting Goods Company, a corporation of Maine
Original application May 4, 1936, Serial No. 77,810. Divided and this application October 18, 1937, Serial No. 169,588
4 Claims. (Cl. 154—16)



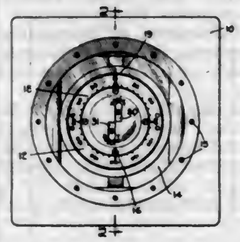
1. A method of manufacturing fibrous ball centers of the class described, comprising arranging separated vegetable fibers in crisscross relation, placing said fibers in a spherical mold lined with a phenol-aldehyde plastic, and subjecting the material in the mold to heat and pressure so as to produce an article having a hard semi-rigid shell.

2,189,515
RESISTOR
Albra H. Fessler, Karl Schwartzwalder, and Russell W. Ehlers, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 6, 1937, Serial No. 157,668
2 Claims. (Cl. 201—76)



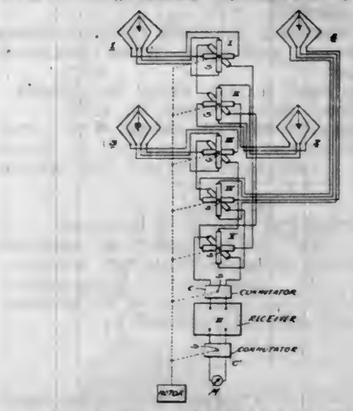
1. The method of obtaining an increase of approximately 18% to 38% in the resistance of an electrical conductor element molded from a mixture including asbestos filler, finely divided graphite conductor material and a resin binder combined in proper proportions to afford a molded element of approximately ten ohms capacity, said method comprising baking the molded element at a temperature of 130° C. for one and one half hours, then raising the baking temperature to 140° C. for one and one half hours and finally raising the baking temperature to 150° C. for one hour.

2,189,516
INCLINOMETER
Saburo Fujimoto, Honolulu, Territory of Hawaii
Application August 8, 1939, Serial No. 288,907
4 Claims. (Cl. 33—206)



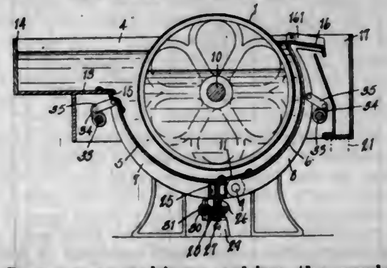
1. An inclinometer for indicating the angles of inclination of aircraft or the like, comprising a support adapted to be rigidly connected to an aircraft so as to assume the angles of inclination thereof, a member having a tubular arcuate portion pivotally mounted on the support so that it may pivot transversely of the arcuate portion with respect to the support, ballast comprising a free-flowing material disposed in the tubular arcuate portion so as to hold the member in vertical position regardless of the angle of inclination of the support, and cooperating indicating means connected to the support and to the said member whereby the angle of inclination of the support and accordingly of the aircraft relative to the member may be determined.

2,189,517
RADIO GONIOMETER
Albrecht Gothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 13, 1938, Serial No. 201,673
In Germany April 7, 1937
2 Claims. (Cl. 250—11)



1. In a direction finder system, a plurality of crossed loop antennas, a plurality of antenna goniometers and a coupling goniometer having fixed field coils and rotatable search coils associated therewith, means connecting associated crossed loop antennas to respective associated antenna goniometer field coils, means connecting the rotatable search coils of said antenna goniometers to the fixed field coils of said coupling goniometer, a radio device, means including a commutator connecting said radio device to said coupling goniometer search coil, an indicator, means including a second commutator connecting said indicator to said radio device, and means for synchronously operating said commutators and said rotatable search coils.

2,189,518
PAPER MAKING MACHINE
Ernst Gschwender and William C. Bigelow, Detroit, Mich., assignors to Detroit Sulphite Pulp & Paper Company, Detroit, Mich., a corporation of Michigan
Application March 14, 1938, Serial No. 195,855
12 Claims. (Cl. 92—43)



12. In a paper making machine, the combination with a rotary cylinder mold, of a pulp vat operatively associated therewith and comprising opposed complementary segmental side wall members disposed on opposite sides of the vertical plane of the axis of the cylinder mold and having hinge connection at their adjacent edges, means for simultaneously vertically adjusting

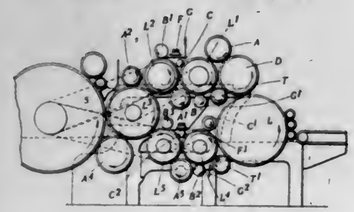
said side wall members in their entireties relative to said cylinder mold, and means for independently adjusting the side wall members relative to said cylinder mold.

2,189,519

MEANS AND APPARATUS FOR THE EXTRACTION OF BURS FROM WOOL AND OTHER TEXTILE FIBERS

Robert Dex Harrison, Bradford, William Henry Dean, Guiseley, and Fred Carter, Bradford, England

Application April 5, 1938, Serial No. 200,082
In Great Britain April 10, 1937
10 Claims. (Cl. 19—84)



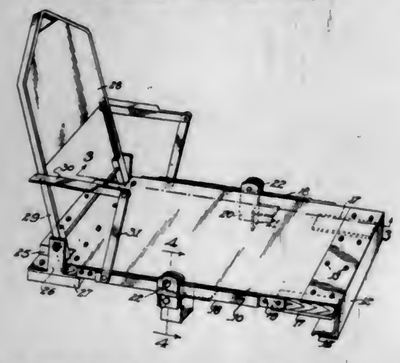
1. That method of treating wool and like material which consists in feeding and separating the material to be treated, separating the ribbon into upper and lower layers to form separated strips, subjecting each strip to the action of bur extracting rollers, and subsequently combining the material into a single body.

2,189,520

WINDOW SEAT

James Inzerillo, Chicago, Ill.

Application January 30, 1939, Serial No. 253,513
2 Claims. (Cl. 304—24)



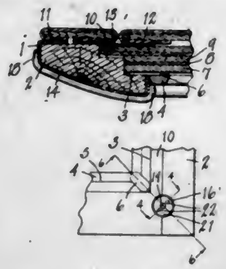
1. A window seat comprising a seat member, a U-member to encompass a window sill attached to the front end of said seat, a bar secured to each side of the seat having offset ends, the main portions of said bars being spaced from and parallel to the sides of the seat, and abutments mounted on the main portions of the bars and movable to engagement with the outer face of the window sill, said abutments comprising vertical plates formed into angle irons at their lower surfaces, the vertical legs of the angle irons adapted to engage the inner side of the window sill, and the horizontal leg of the angle iron lying against the under side of the seat member.

2,189,521

PICTURE FRAME

Wyatt M. King, South Haven, Mich., assignor to S. E. Overton Company, South Haven, Mich.

Application July 31, 1939, Serial No. 287,610
6 Claims. (Cl. 40—152)



1. In a picture frame, the combination of a substantially rectangular base frame, a plurality of strips of leather or the like covering the face of said base frame and having their ends mitered to form miter joints at the corners of said frame, apertures through said base frame at the joints of said strips, a wire fitting in said frame, and metal strip members overlying the joints of said strips and concealing the same, and extending from and forming continuations of said wire, each having a screw threaded pin projecting from the back and spaced from the ends thereof and extending through one of said apertures, said members being shaped to conform to the surface contour of the frame, each having a nut threadedly engaging its pin and the back of the frame and retaining said member in position in tight engagement with the face of the frame at the juncture of said leather strips, the back of said frame being countersunk at said apertures to receive said nuts.

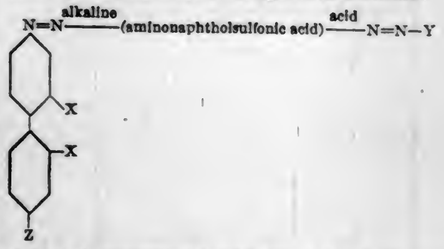
2,189,522

PRODUCTION OF POLYAZO DYESTUFFS AND NEW INDUSTRIAL PRODUCTS RESULTING THEREFROM

Georges Kopp and René Gangneux, Rouen, France, assignors to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a corporation of France

No Drawing. Application July 27, 1938, Serial No. 221,604. In France March 9, 1938
2 Claims. (Cl. 260—159)

1. Polyazodyestuffs of the general formula:



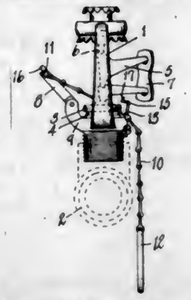
in which X represents a member of the group consisting of alkyl groups and halogen atoms, Y stands for a radical of an amine of the benzene series, and Z is a member of the group consisting of phenols, amines of the benzene series, aminophenols, naphthols, naphthylamines, aminonaphthols, pyrazolones and beta-diketones.

2,189,523

SPRINKLER HEAD SHUT-OFF DEVICE

Alexander A. Poch, Grand Rapids, Mich.

Application November 5, 1938, Serial No. 238,957
7 Claims. (Cl. 169—1)



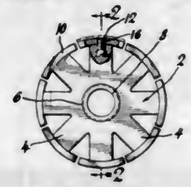
5. A shut-off device for an automatic sprinkler head, comprising a fixed support, a closure pivoted directly on one side to said support and having a sealing portion operatively engageable with the outlet of the head to seal the same by a single pivotal movement, a detent on said support, said closure having a lug projecting therefrom and engageable with said detent to hold the closure in said sealing relation, and a member engageable by a suitable device and connected to said closure to actuate the same to operative sealing position.

2,189,524

MAGNETO ROTOR CONSTRUCTION

Donald W. Randolph and John W. McCulloch, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 3, 1936, Serial No. 72,570
3 Claims. (Cl. 171—209)



1. In a magneto rotor construction, a cast, central, solid, body portion, arms integral with said body portion and extending radially therefrom and having their outer ends on substantially the same circumference, a plurality of shoes having high magnetic permeability, one shoe for each arm, the shape of the inner face of the shoes conforming to the shape of the end face of the arms and means to connect the shoes to the arms, said means being secured to the shoes and being permanently and non-removably embedded in the ends of the arms.

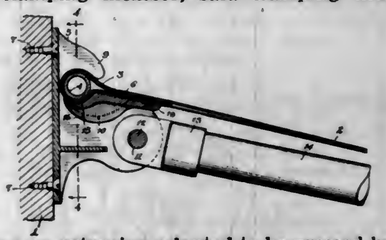
2,189,525

HEAD ROD HOLDER FOR STATIONARY AWNINGS

Albert M. Treffeisen, Merrick, N. Y.

Application May 2, 1939, Serial No. 271,266
1 Claim. (Cl. 156—15)

A head rod holder for stationary awnings including a bracket having a pair of side plates, each plate being provided with an arc-shaped notch, said notches being aligned, and a substantially arc-shaped clamping member fitting into said notches, said clamp having a body formed with a groove in the upper surface and a pair of spaced beads on the under surface, said beads extending between the side plates of said brackets for preventing the lateral movement of the clamping member, said clamping member



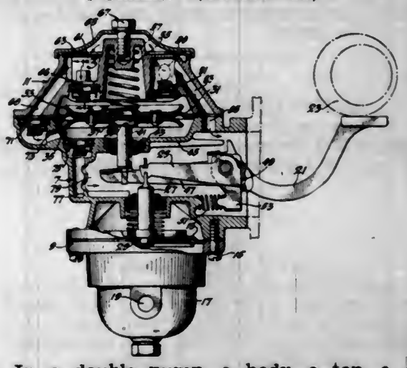
having an extension adapted to be pressed by the canvas of the awning for moving the clamping member into functioning position.

2,189,526

DOUBLE ACTING VACUUM PUMP

Abraham M. Babitch, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 28, 1938, Serial No. 198,380
3 Claims. (Cl. 230—38)



1. In a double pump, a body, a top, a diaphragm clamped between said body and top, means constituting rigid parts of said body and top to form, together with said diaphragm, upper and lower pump chambers, an inlet valve and an outlet valve in each of said body and top to communicate with each of the respective pump chambers, an inlet chamber in the top communicating with the inlet valve of the upper pump chamber, registering passages in the top and body whereby the inlet chamber communicates with the inlet valve of the lower pump chamber, an outlet chamber in the body communicating with the outlet valve of the lower pump chamber and other registering passages in the top and body whereby the outlet valve of the upper pump chamber communicates with said outlet chamber, said inlet chamber adapted to be connected to a suction operated accessory and said outlet chamber adapted to be connected to the atmosphere.

2,189,527

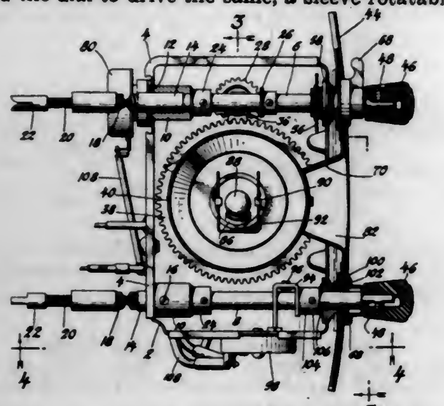
REMOTE RADIO CONTROL

Elbridge F. Bacon, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 21, 1936, Serial No. 97,115
2 Claims. (Cl. 250—20)

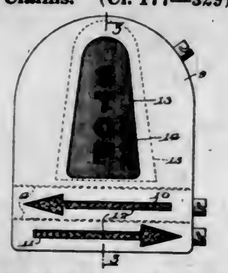
2. In a remote control for a radio receiving set, a casing, a pair of rotatable shafts mounted in the casing, flexible cables connected to and operated by the shafts for operating control members

of the radio receiving set, a rotatable dial in the casing, means interconnecting one of the shafts and the dial to drive the same, a sleeve rotatably



mounted on the last-named shaft, a third control shaft rotatably mounted in the casing and gearing connecting the sleeve and third shaft to operate the same.

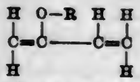
2,189,528
AUTOMATIC VEHICLE SIGNAL
Norman Bender, Philadelphia, Pa.
Application August 7, 1936, Serial No. 94,753
2 Claims. (Cl. 177—329)



1. A vehicle signalling device comprising a casing having an opening therethrough, a signal member within the casing observable through said opening, signal indicia on said signal member, means operable to wig-wag said signal member, said signal member being of greater area than the opening to function as a closure therefor and prevent observation of the interior of the casing at the marginal edge of the signal member in all positions of the latter.

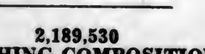
2,189,529
UNSATURATED ETHER PRODUCTS AND PROCESS OF PRODUCING SAME
Wallace H. Carothers and Harry B. Dykstra, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 12, 1935, Serial No. 31,092
31 Claims. (Cl. 260—93)

1. As a new product a compound of the general formula

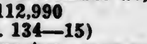


in which R is a hydrocarbon radical.

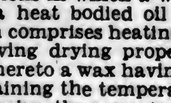
3. The process which comprises heating to a temperature between about 50° C. and about 200° C. a compound of the general formula



in which R is a hydrocarbon radical with a compound of the formula

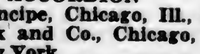


in which R_1 is a hydrocarbon radical of higher molecular weight than R, then separating a compound of the general formula



and decomposing the compound so obtained in such a way that one of the products of the decomposition is a compound of the group consisting of alcohols and phenols by heating the said compound to a temperature of about 50° C. to about 200° C.

4. A polymer of a compound of the general formula



in which R is a hydrocarbon radical.

7. In a process which involves decomposing a compound of the general formula

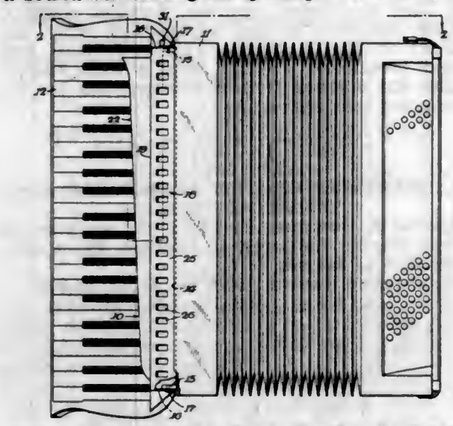
in which R, R_1, and R_2 are hydrocarbon radicals in such a way that one of the products of the decomposition is a compound of the group consisting of alcohols and phenols, the step which comprises heating the compound of the general formula to a temperature of about 50° C. to about 200° C. in the presence of a weakly acidic decomposition catalyst.

2,189,530
FINISHING COMPOSITION
Thomas McCreery, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 27, 1936, Serial No. 112,990
8 Claims. (Cl. 134—15)

3. The process of preparing mar-resistant coating compositions in which a wax is colloidally dispersed in a heat bodied oil having drying properties, which comprises heating a heat bodied vegetable oil having drying properties to about 600° F., adding thereto a wax having a high melting point, maintaining the temperature for about ten minutes, allowing the mass to cool to a temperature below the melting point of the wax, and thereafter adding a thinner.

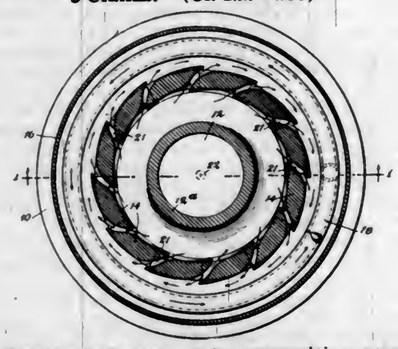
2,189,531
ACCORDION
Emil N. Del Principe, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 19, 1937, Serial No. 131,851
13 Claims. (Cl. 84—376)

1. An accordion comprising a valve head, a shield secured over said head and comprising a sound box having an opening of gradually de-



creasing width and a horn-like hood of correspondingly increasing width over said opening.

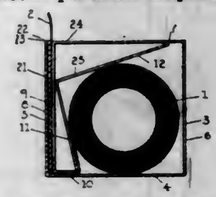
2,189,532
HEAT TRANSFER APPARATUS
Thomas N. Garson and Frederick C. Melchior, New York, N. Y.
Application January 27, 1937, Serial No. 122,552
3 Claims. (Cl. 122—250)



1. Heat transfer apparatus comprising a cylindrical wall enclosing a combustion chamber, means disposed around said wall so as to provide a heat transfer chamber between said means and the wall, and heat transfer means disposed in said heat transfer chamber said cylindrical wall being formed with a series of spaced, longitudinally slotted openings extending substantially from end to end thereof to permit the gases and products of combustion to enter the heat transfer chamber from the combustion chamber, and being designed to create a back pressure on the gases and products of combustion in the combustion chamber and to increase their velocity as they enter the heat transfer chamber.

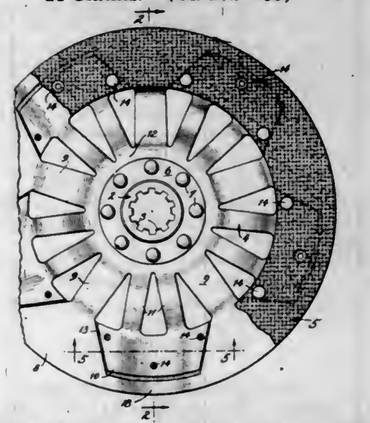
2,189,533
DISPENSING BOX OR CONTAINER FOR ROLL PAPER
Harold C. Harvey, Sturgis, Mich., assignor to Harvey Paper Products Company, Sturgis, Mich.
Application November 9, 1936, Serial No. 109,933
12 Claims. (Cl. 206—58)

1. A paper dispensing package or box formed of an integral blank scored to facilitate folding and comprising bottom, top, front, rear and end walls, the front wall having a reinforcing extension integrally connected thereto at its upper edge by a perforated fold line and folded on said line inwardly upon and adhesively secured to the inner side of the front wall, such reinforcing extension being substantially coextensive with the front wall, the infolded edge constituting a serrated cutter edge at the perforated fold line, the top wall having an inturned paper guide extension at its front edge, said guide extension being disposed within the box and comprising front and bottom portions disposed in parallel



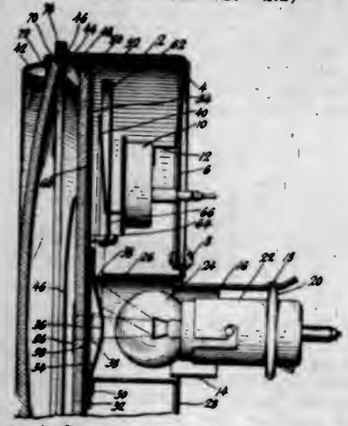
relation to the front wall and bottom wall respectively and spaced therefrom to receive the web of paper between them, the bottom portion being relatively narrow and in close proximity to the bottom wall to frictionally engage the web against the latter during withdrawal from the box, the said paper guide extension being provided with an angled paper holder extension extending from the rear edge of the bottom portion of said guide extension and adapted to engage the front side and top of a roll of paper, said top wall and said angled paper holder being provided with aligned finger openings through which a roll of paper may be engaged.

2,189,534
FRICTION CLUTCH
Harold G. Ingersoll and Alton C. Borg, New Castle, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 22, 1937, Serial No. 138,312
Renewed November 29, 1937
15 Claims. (Cl. 192—68)



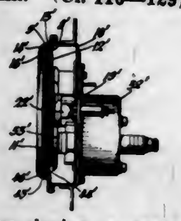
15. In a friction clutch plate assembly including, a hub member, friction facing means disposed radially outwardly of said hub member and means extending generally radially between said hub and said facing means including a first resilient means connected in driving relation with said friction facing means and a second substantially rigid means frictionally engaging said facing means.

2,189,535
INSTRUMENT LIGHTING
Henry Charles Stuerzl, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 26, 1935, Serial No. 56,147
6 Claims. (Cl. 240—2.1)



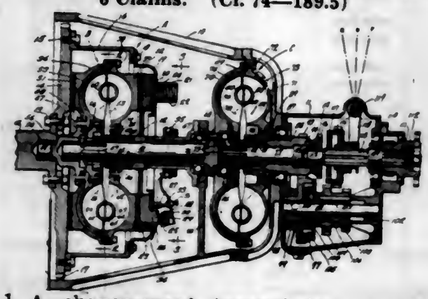
1. In an indicating device, a casing open at its forward end, indicating means within the casing and fixed thereto, a retaining plate secured to the casing adjacent the forward end thereof and having formed therein a first opening through which light rays may pass and a second opening through which said indicating means is visible, a transparent imperforate plate fixed to said retaining plate at the forward side thereof, opaque means forming indicia on the rear of said transparent imperforate plate adjacent said second opening in the retaining plate, a source of light within the casing behind said retaining plate and in substantial alignment with said first opening formed therein, and opaque means on the forward side of said transparent imperforate plate in substantial alignment with said first opening and source of light to prevent rays of light from said source of light which travel through said first opening from passing out of the forward side of the transparent imperforate plate but diffusing and reflecting said light rays to illuminate the indicia on the rear of said transparent imperforate plate.

2,189,536
INSTRUMENT LIGHTING
Henry Charles Stuerzl, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 7, 1936, Serial No. 109,612
1 Claim. (Cl. 116—129)



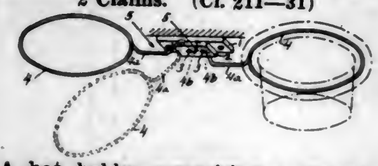
In an indicating device, a casing, a retaining plate, a transparent panel in front of said retaining plate, a rib stamped near the edge of the retaining plate for spacing the transparent plate from the retaining plate, an opening located in said rib, a second opening spaced from said first mentioned opening, painted characters on the back of said transparent panel, an instrument having indicia visible through the second mentioned opening, and a light source behind the opening in said stamped rib for illuminating said characters.

2,189,537
MULTIPLE CLUTCH AUTOMATIC TRANSMISSION
Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 8, 1936, Serial No. 84,079
6 Claims. (Cl. 74—189.5)



1. A change-speed transmission comprising driving and driven members, and a speed-responsive mechanical clutch, driven from the driving member, a plurality of fluid clutches and a plurality of gear trains of different speed ratios adapted to be connected between the mechanical clutch and driven member, said fluid clutches comprising an impeller driven directly from the mechanical clutch, a runner adapted to be driven from the impeller, a second impeller secured to the runner for rotation therewith, and a second runner cooperating with said second impeller, means for connecting the first impeller to a gear train, means for connecting the second impeller to another gear train, means for connecting the second runner to the driven member, and overrunning clutches in each of the gear trains, whereby said driven member can be made to increase in speed automatically from a condition of rest to a condition of synchronism with the driving member while said driving member is rotating within a small range of speeds.

2,189,538
HAT HOLDER
John E. Van Pelt, Maywood, N. J.
Application May 26, 1938, Serial No. 210,143
2 Claims. (Cl. 211—31)



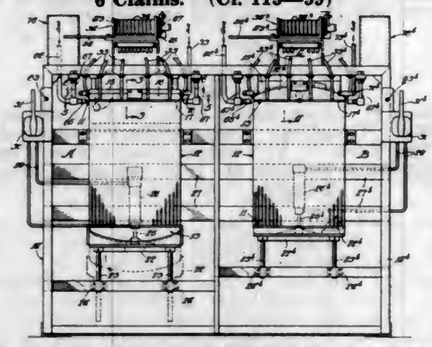
1. A hat holder comprising a grooved base plate, a cover plate correspondingly grooved, a holding device adapted to hold said plates in juxtaposition one with the other, a loop adapted to receive the crown of a hat, an extending stem integral with said loop, an end portion of said stem extending at substantially a right angle thereto and positioned in said grooves, said end portion having a recess cooperating with said holding device adapted to prevent longitudinal movement of said end portion within said grooves and also adapted to permit a predetermined limited rotary motion thereof.

2,189,539
METHOD OF SETTING TYPE AND MECHANISM THEREFOR
John L. Weigand, Dayton, Ohio
Application February 3, 1938, Serial No. 188,535
5 Claims. (Cl. 101—396)



1. A method of type setting using foundry type which consists in assembling and justifying a line of type employing compressible and expansible quads, and then applying a holder to the type, so as to snugly engage grooves in the type and abut the ends of the type in the line.

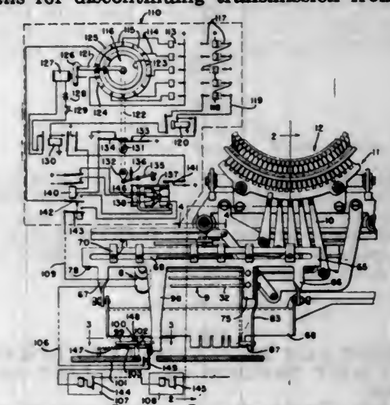
2,189,540
SEAM SOLDERING MACHINE FOR RADIATOR HEADERS
Martin G. Boerger, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application March 24, 1938, Serial No. 197,832
6 Claims. (Cl. 113—59)



1. In a machine for soldering the juncture of component parts of a radiator core header, a frame, a holder mounted thereon, vertically movable pressure means providing a radiator support for moving the radiator core into position in said holder and pressing the parts of the header together, a plurality of guides substantially uniformly spaced around and at the respective sides and ends of said header and terminating adjacent the header for directing portions of solder against the sides thereof adjacent the juncture of said parts, means for supplying solder to said guides, a plurality of intermittently operated heaters at the respective sides of said header for heating the sides thereof adjacent the juncture of said parts, and a plurality of means on the respective sides and ends of the header and operative alternately with said heaters for directing currents of cool air against the juncture of said parts.

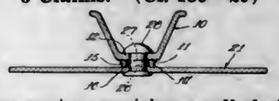
2,189,541
PRINTING TELEGRAPH APPARATUS
Charles W. Burcky, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 26, 1938, Serial No. 198,178
15 Claims. (Cl. 178—4)

1. In a telegraph system, a line circuit extending between a plurality of stations, a transmitter at one of said stations, a printing telegraph receiver at the other station responsive to impulses transmitted from said transmitter, said transmitter including a distributor and a record reader for sensing the control indicia on a control strip, means for discontinuing transmission from said



transmitter, means responsive to two successive predetermined groups of control indicia on said strip for operating said means to discontinue transmission from said transmitter, and means operated by said receiver for establishing a condition to resume transmission from said transmitter.

2,189,542
FENCE POST
Walker Bruce Caldwell, Flossmoor, and Edward F. Peters, Chicago Heights, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 18, 1937, Serial No. 143,348
3 Claims. (Cl. 189—29)

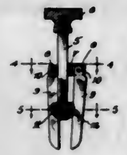


3. A fence post comprising a rolled steel section having spaced parallel rows of bosses extending from one face thereof, an anchor plate comprising wing portions joined by a straight embossed bead portion, said bead being received between said rows of bosses and a locking element extending through said bead, thence between said rows of bosses and thence through said post, said element being effective to secure said anchor plate to said post with the faces of said wing portions of said anchor plate in contact with at least some of the studs of each of said rows of parallel studs and with said bead portion in firm contact with said post between said parallel rows of studs.

2,189,543
SMOKING PIPE REAMER
Albert E. Collis, Salisbury, Mass.
Application September 17, 1938, Serial No. 230,419
4 Claims. (Cl. 131—246)

1. A smoking pipe reamer comprising a stem triangular in cross section, a turning member at one end of said stem, a ball at the other end of said stem, a sliding member mounted to slide back and forth along said stem, said sliding member having a triangular-shaped aperture for accommodating said stem whereby said sliding member may freely slide back and forth on said

stem and rotate therewith, and a plurality of spaced reaming jaws pivotally mounted at one end on said sliding member, said ball having a notch for each of said jaws for guiding the jaws as they are moved by said sliding member, the



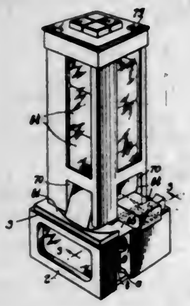
pivotal mounting of said jaws being radially farther from the center of said stem than the bottom of the notches in said ball whereby as said sliding members moves away from said ball the outer ends of said jaws will swing radially away from each other.

2,189,544

MACHINE FOR DISPLAYING AND DISPENSING SOAP TABLETS OR THE LIKE ARTICLES

Benjamin Cramp, Barkingside, Ilford, England

Application May 18, 1938, Serial No. 208,517
In Great Britain May 31, 1937
4 Claims. (Cl. 312—64)



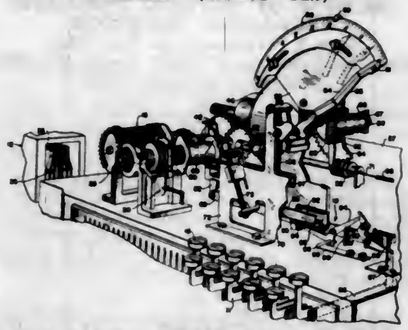
1. A machine for displaying and dispensing stacked soap tablets or the like articles comprising a base member having a delivery side, a track along which is guided the lowermost article of the stack, said track being formed between a snail cam and a guide secured to the top of said base member, a discharge aperture to said track, a storage element, for the stacked articles rotatably secured above said snail cam, and with its axis of rotation perpendicular to the plane of said snail cam, means for rotating said storage element, a discharge orifice to said storage element, a bridge-member crossing the said discharge orifice, the arrangement being such that when the rotating mechanism is operated, the guiding face of the snail cam displaces the centre of gravity of the lowermost stacked tablet, the cam moving the bottom of the tablet outwards whilst the bridge member retains the top of the tablet in its original position thereby displacing the centre of gravity of the tablet, so that the weight of the tablet tends to pull the tablet automatically down into a discharge position, the tablet being retained on the slant by the internal face of the guide, until the tablet is rotated in line with the delivery aperture, then the resistance of the outside guide is removed, and the weight of the tablet automatically pulls the tablet down into the delivery position.

2,189,545

KEYBOARD PERFORATOR AND COUNTER

William H. Eddy, Downers Grove, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Application December 20, 1937, Serial No. 180,758
7 Claims. (Cl. 164—112)



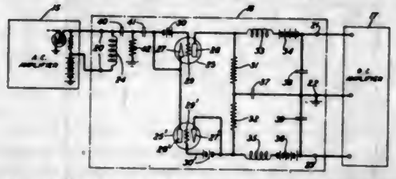
1. In a keyboard apparatus for producing control strips for composing machines, a series of keys, means adapted to be reciprocated invariably upon the actuation of said keys, a periodically actuated mechanism cooperably related to said means, and eccentric means effective on said means to vary the cooperative relationship between said means and said mechanism.

2,189,546

TRANSMISSION SYSTEM

James O. Edson, Great Kills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 22, 1938, Serial No. 236,569
5 Claims. (Cl. 175—363)



1. A rectifying system comprising an electron discharge device having a cathode, an anode and a control grid, an input circuit and an output circuit for said device, a load in said output circuit, means for biasing said control grid to such a positive potential that when potential to be rectified is applied to said input circuit, the voltage drop across the anode-cathode space is small compared to that across the load so that variations in the anode-cathode voltage have a negligible effect only on the load voltage, and means in the output circuit to neutralize the voltage developed across the load for an alternating current voltage of preassigned value applied to the input circuit.

2,189,547

FILM REEL

Edwin L. Fischer, Binghamton, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 21, 1936, Serial No. 101,696. Divided and this application March 17, 1938, Serial No. 196,335
2 Claims. (Cl. 242—70)

1. A film reel comprising an annular hub around which film is adapted to be wound,

flanges on either end of said hub, said hub having a transversely extending slot therein, a transversely extending stud member within said hub having one end secured to the inner side of one



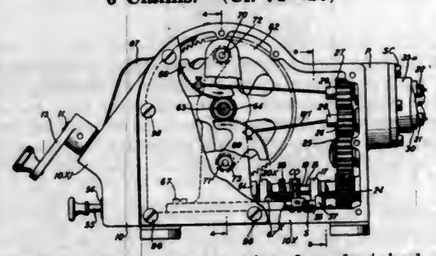
of said flanges, the other of said flanges having an opening therethrough located in alignment with said stud member and said slot, said opening extending to the periphery of said flange.

2,189,548

REMOTE CONTROL

Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 1, 1938, Serial No. 216,913
6 Claims. (Cl. 74—10)



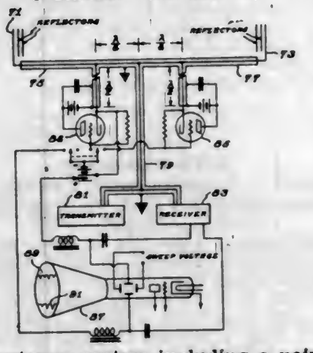
1. A remote control device for electrical apparatus having adjustable elements, said device comprising a plurality of independently operable gearing mechanisms, a pair of flexible shafts, a wire slidably mounted in said flexible shafts, manually operable means for actuating said gearing mechanisms, means operable in two positions for selectively operatively connecting said gearing mechanisms to said manually operable means for actuating said flexible shafts and said slidable wire independently, and means operatively connecting said flexible shafts and said wire to the adjustable elements of the electrical apparatus.

2,189,549

ANTENNA SWITCHING SYSTEM

William D. Hershberger, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 18, 1938, Serial No. 196,587
6 Claims. (Cl. 250—1)



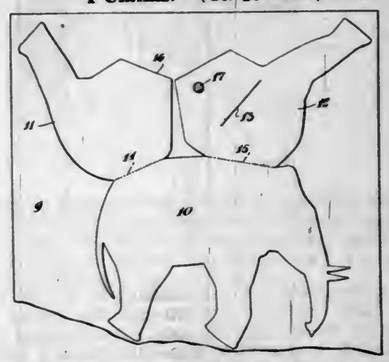
1. An antenna system including a pair of antennas, transmission lines connecting said antennas to a common junction, radio apparatus, means connecting said apparatus to said junction, a pair of transmission lines having lengths equal to an integral number of half wave lengths and connected to said first mentioned lines at points spaced an odd number of quarter wave lengths from said junction, and means for short circuiting one or the other of the open ends of said last mentioned pair of transmission lines.

2,189,550

CUT-OUT TOY

Roberta Brown Higgins, Westmount, Quebec, Canada

Application December 30, 1938, Serial No. 248,461
4 Claims. (Cl. 46—157)



1. A folded cut-out toy object of sheet material and composed of two sections, one section being unitary to represent the complete object in profile, and the other section being formed in two parts shaped to represent different portions of the object and connected directly to the other section along lines individual to the respective parts on which lines said parts are respectively folded toward said other section, said lines being offset relatively to one another to cause portions of the folded parts to overlap in their folded relationship, the overlapping portions being secured together to oppose unfolding of the said folded parts relatively to each other and relatively to the unitary section.

2,189,551

INKING PAD

Winfred G. Mittag, Ridgewood, N. J.

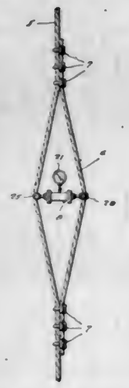
Application November 24, 1937, Serial No. 176,149
4 Claims. (Cl. 91—54.5)



4. The combination with a stamp pad, of an ink receptacle provided with a cap for closing the receptacle, a tube mounted in said cap and communicating at one end with atmosphere and at the other end with a plane near the bottom of the receptacle, a flexible diaphragm disposed between said pad and said cap, said diaphragm having a spherical portion disposed centrally thereof in overlying relation to said tube and the center portion of said cap thereby forming an air chamber between the diaphragm and tube, said spherical portion having a vent perforation in communication with said tube and normally

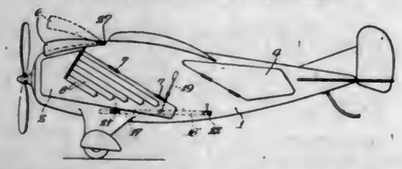
closed by the pad whereby on depression and release of the pad a vacuum will be created between the diaphragm and tube thereby to extract ink from the receptacle and deliver it to the pad.

2,189,552
WEIGHT RECORDER
Harold A. Raphael, Bellflower, Calif.
Application October 13, 1937, Serial No. 168,814
6 Claims. (Cl. 265—1.6)



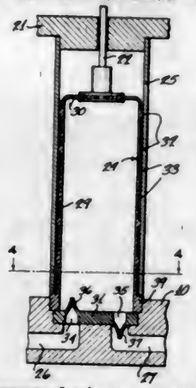
5. An assembly for attachment to a load carrying cable at any desired position along its length for measuring the load on said load carrying cable comprising a predetermined length of a second cable adapted to be secured to said load carrying cable along any selected portion thereof, means for securing said second cable to said load carrying cable at spaced points along said selected portion to thereby provide two cables at the desired position without interrupting the continuity of said load carrying cable, a hydraulic gauge operating device interposed between and maintaining said two cables apart, said gauge operating device communicating with a hydraulic gauge and being operative under compression forces exerted thereagainst by said cables in response to a load on said load carrying cable to operate said hydraulic gauge to indicate the magnitude of said load.

2,189,553
AIRPLANE
Abraham Schut, Chicago, Ill.
Application September 2, 1938, Serial No. 228,130
12 Claims. (Cl. 244—113)



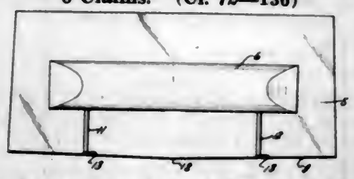
1. In combination with an airplane fuselage, a pair of flaps hinged to the forward portion of the fuselage on opposite sides thereof on inclined axes constructed to swing forwardly and downwardly when closing against the fuselage, and another pair of flaps hinged to the rear portion of the fuselage on opposite sides thereof on inclined axes and constructed to swing rearwardly and upwardly when closing against the fuselage.

2,189,554
CARBURETOR ACCELERATING PUMP
Joseph Schweiss, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application January 16, 1939, Serial No. 251,214
3 Claims. (Cl. 103—148)



1. A fluid pump device comprising a sack having wall structure at least partly of yielding material, inlet and outlet valves in said wall structure, means for applying alternate expanding and collapsing pressures to said structure for drawing fluid thereinto and expelling the same therefrom, said sack comprising side wall structure of pliable material and end walls, there being circumferential ribs on said side wall structure, and guide means extending along said side wall structure and engaging said ribs, the portions of said side wall structure between said ribs being spaced from said guide means whereby said portions may bulge and contract during application of pumping pressures to said sack.

2,189,555
PLASTERER'S FLOAT AND TROWEL
Edward Stabbert, Tacoma, Wash.
Application May 23, 1938, Serial No. 209,434
8 Claims. (Cl. 72—136)



5. A plasterer's tool comprising a flat and rectangular base, a flange turned upwardly at right angles along one lateral margin of the base, and the said flange being formed of angularly extending faces meeting at a point of maximum width of base toward its center.

2,189,556
PIPE CLEANER
James L. Younghusband, Chicago, Ill.
Application September 27, 1938, Serial No. 231,926
1 Claim. (Cl. 131—245)

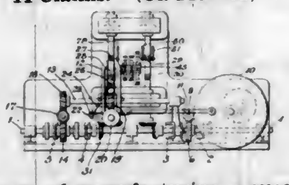
In combination with one or more pipe cleaners, a container adapted to hold therein said pipe cleaners, said pipe cleaners comprising tufts of absorbent material impregnated with cleaning solution for dissolving organic residue in the bore of a pipe, a closure for said container, the container, closure and tufts being so constructed

and being the only means to retain the cleaning solution in liquid form on the tufts until the pipe cleaners are removed from the container



and for an appreciable time thereafter, so as to permit the cleaning solution to perform its function within the pipe bore.

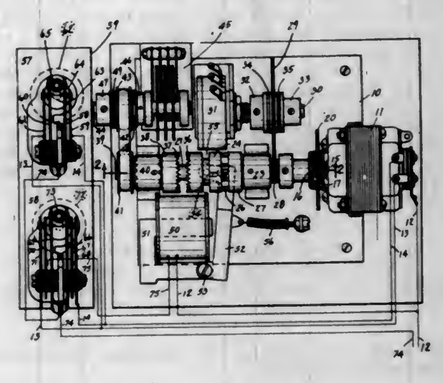
2,189,557
METHOD OF AND APPARATUS FOR THE PRODUCTION OF COILED HANKS OF WIRE
Donald George Ashcroft, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application March 9, 1938, Serial No. 194,978
In Great Britain March 12, 1937
11 Claims. (Cl. 140—71)



1. A process of manufacturing a succession of substantially identical coiled and wrapped hanks of wire which comprises forming a continuous length of the wire into hanks at two different operating positions in sequence, causing the wire to travel from the one operating position to the other between successive forming operations, and between the completion of the forming operation at each position and the completion of the operation at the next position, severing the wire at some point on its path to the latter position and removing the finished coil from the former position, each forming operation comprising the steps of coiling a quantity of the wire by the relative movement of a shuttle and a pair of winding pins and rotating the coil so formed round its longitudinal axis so that it is wrapped under tension.

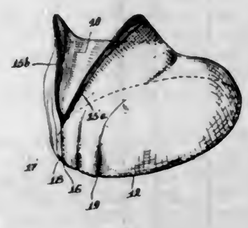
2,189,558
CONTROL FOR VOLUME AND TUNING OF A RADIO SET
Joseph M. Baxter, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application September 28, 1938, Serial No. 232,153
6 Claims. (Cl. 192—.02)

1. Remote control apparatus for a radio having a variable volume controlling element and a variable tuning element, said apparatus including a reversible electric motor, power transmission mechanism, an electrically operated device adapted to control said transmission mecha-



nism to connect said motor to operate either of said elements selectively, and remotely controlled electrical circuits adapted to operate said motor selectively in either direction and to operate said electrically operated device.

2,189,559
HAT
Kamille Blechman, New York, N. Y.
Application October 17, 1938, Serial No. 235,429
3 Claims. (Cl. 2—192)

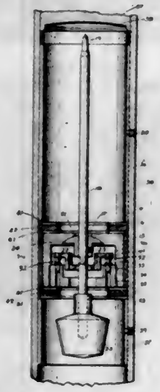


1. In a method of manufacturing of turban hats from hat bodies having crown and brim portions, the step of severing the hat body into half and then securing the ends of the brim corners of each half of the hat body together for the formation of two turban hats from a single hat body.

2,189,560
ANGLE MARKER FOR INCLINATION RECORDING APPARATUS
Joe W. Culbertson, West Hollywood, Calif., assignor to Technical Oil Tool Corporation, Ltd., a corporation of California
Application November 1, 1937, Serial No. 172,142
6 Claims. (Cl. 33—215)

1. An angle marker comprising; a box having a top wall and an open bottom; a plug threaded in the bottom of the box; a lower member pivotally supported on the plug within the box; an upper member pivotally supported on the lower member and at right angles to the pivot of the latter; a

pendulum element including a rod extending upwardly through the plug, lower member and top



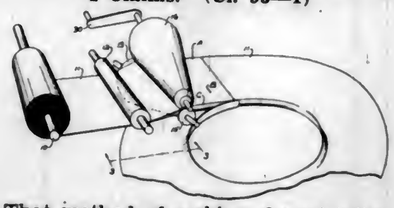
box wall; and means for securing the upper member to said rod.

2,189,561
CRAYON HOLDER
Kenneth Leroy Deal, Cedar Rapids, Iowa
Application February 6, 1939, Serial No. 254,906
2 Claims. (Cl. 120—13)



1. A holder for crayons and like sticks of drawing and writing materials including a cylinder open at one end and closed at the other end, the cylinder having a slot extending longitudinally thereof from the open end and substantially the entire length of the cylinder, said slot being open at the lower end thereof to allow the cylinder to expand and contract to fit all sizes of writing materials, a cap in which the stick of writing material is received, the cap and stick being slidably received in the cylinder to expose as much of the stick of writing material as desired, and means for locking the cap and stick in one of the plurality of positions in the cylinder including a latch member at the edge of the cap to project through the slot in the cylinder and adapted to slide in the slot to thereby adjust the position of the stick with reference to the cylinder, and one of the edges of the slot having a series of notches therein to permit the latch to be rotated into any of the notches as desired, the notches having at least two sides, the one side of each notch toward the closed end of the cylinder being out substantially at right angles to the edge of the slot to provide, with the latch, a firm stop to prevent the stick of material being driven into the cylinder in writing, and each notch being beveled at the other face to permit the latch to slide easily into the notch on pressure against the crayon.

2,189,562
TOILET SEAT COVER AND METHOD OF FORMING SAME
Grover Doerr, near Brownstown, Ind.
Application February 10, 1939, Serial No. 255,659
4 Claims. (Cl. 93—1)



1. That method of making shaped toilet seat covers which consists of longitudinally stretching an area along one side of a strip of crepe paper initially having transverse wrinkles to cause the strip to assume a planar-curved condition approximating the contour of the seat, and longitudinally stretching said strip over a narrow transverse width along the opposite strip edge to form a flange angularly disposed to the balance of the strip therealong.

2,189,563
CONDENSATION OF FORMALDEHYDE WITH UREA AND PHENYLTHIOUREA
Hans Dohse and Rolf Röber, Dortmund, Germany
No Drawing. Application May 10, 1938, Serial No. 206,997. In Germany May 13, 1937
1 Claim. (Cl. 260—69)

In the method of producing condensation products the improvement which consists in heating urea, monophenyl thiourea and formaldehyde in the presence of substances which act as condensing agents.

2,189,564
DISINFECTANT AND WOUND REMEDY AND THE PRODUCTION THEREOF
Helene Goldhammer, Vienna, Austria, assignor to Arnold Frenkel, Vienna, Austria
No Drawing. Application August 9, 1937, Serial No. 158,154. In Austria August 18, 1936
10 Claims. (Cl. 167—58)

2. A composition adapted to be used in the treatment of wounds and as a disinfectant containing as an active component a reaction product of an aqueous, at least approximately 0.2% of a cresol containing solution and of an aqueous, at least approximately 2.5% tannin containing solution said composition when measured polarographically in an approximately $\frac{1}{10}$ normal NaOH solution containing glycerine shows a reduction potential of about —0.7 volt with an error limit of ±.1 volt.

2,189,565
PAINT SKIMMER
Sherman B. Jones, Elbert County, Colo.
Application December 21, 1938, Serial No. 247,112
1 Claim. (Cl. 210—155)

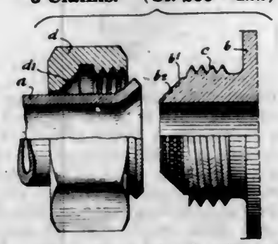
A paint skimmer comprising a combined handle and frame formed from a wire bent double at its middle point, the bight forming the handle, means for connecting the two wires some distance from their ends, the ends of the wires being bent in opposite directions through an angle of substantially 90 degrees into substantial alignment to form one side of a screen supporting frame, the wires being then bent forwardly through an angle of substantially 90 degrees into substantial parallelism to form the other two

sides of a three sided frame, a screen having opposite edges provided with hems for the reception of the parallel sides of the frame, the screen being shorter than the parallel sides whereby



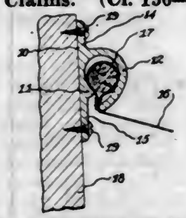
the ends of the latter will project beyond the screen, the ends of the frame sides being bent outwardly to form hooks that hold the screen from accidental removal.

2,189,566
COUPLING FOR TUBES AND PIPES
Hans Kreidel, Wiesbaden, Germany, assignor to Patex Societe Anonyme, Basel, Switzerland, a corporation of Switzerland
Application July 13, 1938, Serial No. 218,901
In Germany December 30, 1937
3 Claims. (Cl. 285—122)



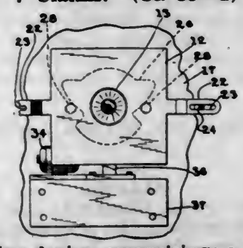
1. In a coupling for a pipe having a flanged end, a member providing a seat for sealing engagement with said flanged end, said member containing a plurality of individual blind recesses spaced from one another and from the ends of said member, each of said recesses being surrounded by a substantially smooth area defined by said seat, and means for urging said pipe and member into sealing relationship.

2,189,567
AWNING STRIP
Edward J. Miller, Mount Clemens, Mich.
Application June 27, 1938, Serial No. 215,996
3 Claims. (Cl. 156—15)



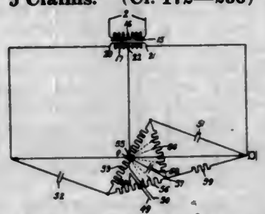
1. In a shelter structure of the type in which a flexible shelter has a substantially cylindrical enlarged pliant head secured in a unitary strip which extends the full width of the shelter and which is attached to a supporting structure, the enlarged head being slidable lengthwise into an opening of the strip, the improvement which comprises; a retainer strip having a base plate, a rib projecting from the base plate intermediate the edges of the base plate and engaging one side of the shelter head, a curved cover member projecting from the base plate and forming with the base plate and rib a bore substantially surrounding the shelter head, the cover member engaging the shelter head along a line opposite the rib, the free edge of the cover member being spaced from the rib a distance sufficient to accommodate the shelter but to retain the head and being extended so that its edge contacts with the shelter along a line spaced from the enlarged head, the base plate extending beyond the cover member on both sides of the strip to form attaching flanges.

2,189,568
OPTICAL APPARATUS
Herbert G. Miller, Lakewood, Ohio
Application July 26, 1937, Serial No. 155,631
7 Claims. (Cl. 88—1)



1. A display device, comprising: a first element representing a creature of the type having eyes, said element having an aperture located at an eye position of said representation; lens means disposed in said aperture; a second element spaced from said first element and having a representation of the iris and pupil of an eye thereon; said lens means and said second element being so constructed and arranged that the image of said representation of said iris and pupil formed by said lens means will appear on said lens means to be a part of said eye.

2,189,569
ELECTRIC VALVE CIRCUIT
William W. Moe, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Original application July 30, 1938, Serial No. 222,255. Divided and this application April 29, 1939, Serial No. 270,889
5 Claims. (Cl. 172—238)

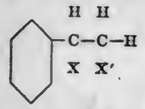


1. In combination, a source of alternating current, a winding energized from said source and including terminal connections and a connection electrically intermediate the terminal connections, a circuit connected across the terminal connections and including a pair of serially connected capacitances and a resistance, said resistance being connected between said capacitances and being provided with an intermediate connec-

tion connected to the intermediate connection of said winding, a voltage divider including a resistance connected across the first-mentioned resistance, a capacitance connected between the intermediate connection of the first-mentioned resistance and an intermediate connection of the second-mentioned resistance, and an output circuit connected between the intermediate connection of said winding and said voltage divider.

2,189,570
INSECTICIDE
Milton S. Schechter and Herbert L. J. Haller, Washington, D. C.; dedicated to the free use of the People of the United States of America
No Drawing. Application November 14, 1938, Serial No. 240,354
8 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. An insecticide comprising as its essential active ingredient an organic compound of the structure



where X and X′ are halogen atoms.

2,189,571
ALLOYS
Cecil Spencer Sivil, Elizabeth, and Edward O. Liebig, Arlington, N. J., assignors to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application September 13, 1939, Serial No. 294,646
7 Claims. (Cl. 75—172)

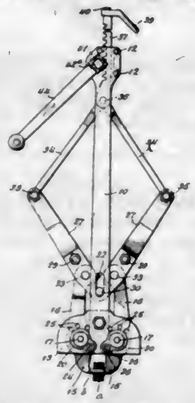
1. An alloy of from twenty (20) to sixty (60) percent platinum, ten (10) to forty (40) percent palladium, ten (10) to fifty (50) percent silver, and from one (1) to twenty-five (25) percent gold.

2,189,572
PROCESS FOR FRACTIONATING RESINOUS PRODUCTS
Paul D. Watson, Alexandria, Va.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application September 1, 1938, Serial No. 227,984
3 Claims. (Cl. 260—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for fractionating a resin derived principally from lactic acid, which comprises dissolving the resin in a solvent, thence precipitating the more highly polymerized fraction with a precipitating agent selected from the group consisting of liquid petroleum and terpene hydrocarbons, thence separating the soluble less highly polymerized fraction, repeating the procedure with the precipitated fraction until the desired degree of separation is attained, thence removing the solvent from the resin fractions, and thence subjecting the fractionated resin to the action of heat at a temperature of substantially 150° C.

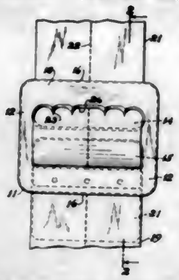
2,189,573
RIVETING TOOL
Julius Wegner, Flushing, N. Y.
Application July 28, 1939, Serial No. 287,041
2 Claims. (Cl. 78—48)

1. A riveting tool comprising supporting means consisting of spaced parallel members provided with registering slots, and spaced parallel plates carried by said members at one end, eccentrics located between said plates, pivot pins whereby said eccentrics are rotatably mounted between said plates, arms pivotally mounted on said eccentrics, jaws carried by said arms for developing compressive pressures on the rivets, means for rotating said eccentrics to thereby adjust said jaws relatively to each other to different set positions, toggle levers pivotally connected with said arms at intermediate points of said levers, a pin pivotally connecting said toggle levers together at one end and projecting into the slots of said parallel members, toggle links piv-



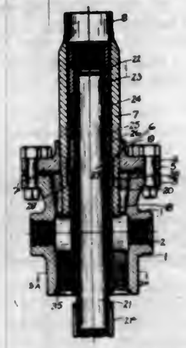
otally connected with said toggle levers at the opposite ends thereof, a rack located between said parallel members, a pivot pin pivotally connecting said toggle links with each other and with said rack, a pinion journalled between said parallel members in mesh with said rack, and a crank handle for rotating said pinion to thereby operate said rack lengthwise of said parallel members whereby said toggle links and toggle levers are actuated to pivotally operate said arms in a manner to cause said jaws to develop compressive pressure on the rivets and spread the normally unheaded ends thereof into second heads and to firmly compress said rivets in riveting positions.

2,189,574
BUCKLE
Carl E. Anderson, East Orange, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J.
Application March 29, 1939, Serial No. 264,710
1 Claim. (Cl. 24—198)



A buckle of sheet metal comprising a frame having a central bar, thus forming two openings, the margin of the bar and the margin of the openings having rearwardly extending flanges, the material of the lower opening forming a flap bent down on the frame and provided with burrs formed by perforations in the flap, the top edge of the upper opening having rearwardly projecting pointed teeth spaced from the centre of the buckle, the teeth having a triangular form both in the longitudinal and lateral direction, the triangular walls of the teeth merging into the marginal flange of the opening.

2,189,575
TUBING SUPPORT
Cicero C. Brown, Houston, Tex.
Application April 26, 1934, Serial No. 722,443
Renewed May 3, 1935
14 Claims. (Cl. 166—14)



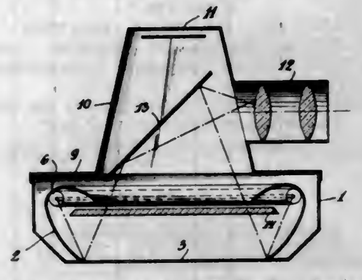
1. The combination of a casing head, a hanger nipple having a fluid-tight connection therewith, a skirt on said nipple extending downwardly into said casing head, an inner shoulder on said skirt, a tubing section, a hanger sleeve having a sliding fit on said section, the upper end of said hanger being longitudinally slotted, an outer shoulder on said upper end, means on said tubing section adapted to engage the upper end of said hanger and expand the same to engage the shoulder on said hanger with the shoulder on said skirt, and interengaging means on said section and said hanger to prevent such engagement, when desired.

2,189,576
DRY PLATE RECTIFIER AND METHOD OF PRODUCING SAME
Fritz Brunke, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application June 10, 1937, Serial No. 147,577
In Germany June 22, 1936
9 Claims. (Cl. 175—366)



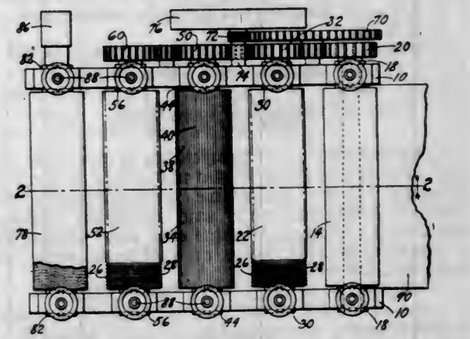
2. The method of producing a dry plate element having a carrier electrode, which includes providing a plurality of semi-conductor materials of different conductivities, exposing said electrode to the vapor of one of said semi-conductor materials until a layer of said one of said semi-conductor materials substantially less than 0.1 millimeter in thickness is formed on said electrode, said one material having the highest conductivity of said plurality of materials, and subsequently exposing said layer to the vapor of another of said semi-conductor materials until a layer of said other of said semi-conductor materials of the order of 0.01 millimeter in thickness is formed on said first-named layer.

2,189,577
EPISCOPE
Carl Conrad, Chur, Switzerland
Application April 8, 1938, Serial No. 200,925
2 Claims. (Cl. 88—24)



1. In an episcope as described, a base having its lower portion formed as a casing, and its upper portion having the form of a truncated cone having an upper air exhaust opening, an objective carrier formed with said cone laterally disposed thereto, a reflector in said casing substantially parabolic in cross-section with one of its curves entering a bend in said casing, a picture field, a plurality of tubular incandescent lamps arranged to form a frame within said reflector with their filaments located in the focus of the reflector, an inclined mirror in the conical portion of said device, to receive the image from the picture field confined by the other curve of said reflector, and an objective laterally disposed to said mirror in its carrier to project the picture onto a screen, a glass plate combined with said casing for covering objects to be projected, to hold the articles to be projected flat and to act as a reflecting shutter, and means for providing an air cooling system for the episcope.

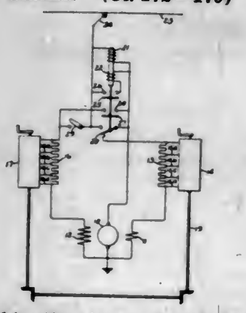
2,189,578
METHOD AND APPARATUS FOR RECLAIMING SHEET METAL
Charles D. Crouse and John F. Marshall, West Alexandria, Ohio, assignors to Porcelain Strip Mills, Inc.
Application February 26, 1938, Serial No. 192,828
2 Claims. (Cl. 29—81)



1. The method of salvaging the metal content from porcelain coated metal sheets which consists of pressing a series of ridges and furrows in the sheet, next forming similar ridges and furrows crosswise of the first, next forming similar ridges and furrows crosswise of the second, the last said ridges and furrows being of different spacing from the first, whereby the porcelain is broken loose from the metal, separating the por-

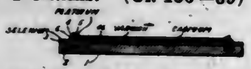
celain and metal then removing the broken porcelain by scratch brushing the sheet lengthwise of the last made furrows.

2,189,579
ELECTRIC BRAKING SYSTEM
Ernst Dozler, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application November 7, 1938, Serial No. 239,375
In Germany December 14, 1937
7 Claims. (Cl. 172—179)



1. The combination in an electric braking system for an electric motor provided with an armature, a series field winding and a separately excited field winding, of a dynamic braking resistor in series with said series field winding, switching means normally biased to connect said dynamic braking resistor and said series field winding in circuit with said armature for dynamic braking, and movable to disconnect said dynamic braking resistor and said series field winding from said armature and connect said armature and said separately excited field winding to a source of electrical supply for regenerative braking, and means responsive to a dynamic braking condition of said motor for operating said switching means for regenerative braking.

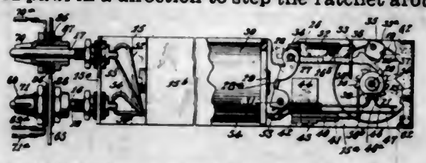
2,189,580
METHOD OF MAKING A PHOTOELECTRIC CELL
Clarence W. Hewlett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1937, Serial No. 145,539
4 Claims. (Cl. 136—89)



2. In the method of fabricating a selenium cell the steps of coating a metal plate with a layer of selenium, then sputtering a semitransparent layer of cadmium onto said selenium from a dampened cadmium surface and then sputtering a semitransparent layer of platinum onto the cadmium layer.

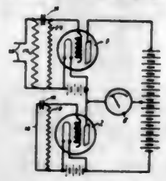
2,189,581
INDICATING DEVICE
Raymond M. Hicks, Plainfield, N. J., and Merton L. Haselton, Rye, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application February 2, 1935, Serial No. 4,636
6 Claims. (Cl. 177—328)

1. An indicator unit comprising a first member having a number of different characters thereon, a second member having an opening therein through which said characters are displayed, a ratchet and a pawl for rotating said first member to different positions to display a selected character through the opening of the second member, means including an electromagnet for actuating said pawl in a direction to step the ratchet around



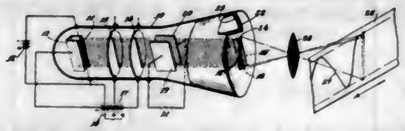
in one direction, a ratchet spring for preventing reverse rotation of the ratchet, and a member operative on the ratchet spring and readily bendable in a direction to adjust the position of the spring relative to the rest position of the ratchet for maintaining the spring in any of its said adjusted positions.

2,189,582
AMPLIFIER SYSTEM
Harris D. Hineline, Mount Vernon, N. Y.
Application August 30, 1932, Serial No. 631,026
Renewed August 18, 1937
28 Claims. (Cl. 250—41.5)



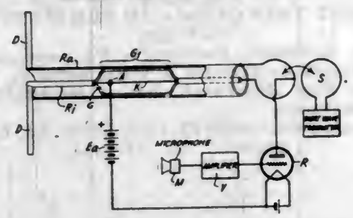
14. A meter system comprising a pair of serially connected electronic conduction devices having control electrodes, a source of energizing power having a mid point, and a meter connected between the mid point and a circuit point between the said devices.

2,189,583
CATHODE RAY DEVICE
Hans Erich Hollmann, Berlin-Lichterfelde, Germany, assignor to Radio Patents Corp., New York, N. Y., a corporation of New York
Application April 30, 1937, Serial No. 139,913
In Germany May 23, 1936
6 Claims. (Cl. 250—162)



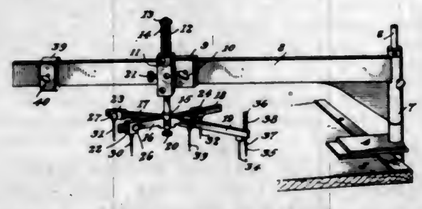
1. In a cathode ray recording device, a source of electrons, means comprising an element having a narrow slit for concentrating the electrons emitted by said source into a beam of linear cross-section in line with said slit, means for deflecting said beam substantially parallel to its cross-sectional axis, a luminescent screen arranged to be impinged by said beam, and a mask overlying said screen and having a slit forming an angle with said first slit substantially differing from a right angle, thereby to produce a luminous recording spot moving across the slit of said mask in accordance with variations of a deflecting potential impressed upon said deflecting means.

2,189,584
TRANSMITTER
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 18, 1937, Serial No. 148,861
In Germany July 22, 1936
13 Claims. (Cl. 250—17)



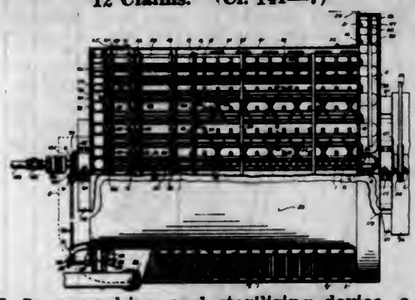
1. A high frequency transmitter system comprising a source of high frequency oscillations, a utilization circuit, a concentric transmission line having an inner conductor and an outer conductor extending from said source to said utilization circuit, and a gaseous conduction device electrically connected in series relation with said line and physically positioned between the ends thereof so as to divide said line into two sections, said device having coaxially arranged straight inner and outer conductors, the inner conductor of said device forming a cathode for said device and being arranged in the same straight line as the inner conductors of the two sections of concentric line, the outer conductor of said device forming an anode for said device and being arranged in the same straight line as the outer conductors of said two sections of concentric line.

2,189,585
MOSAIC SPIDER
Jasper E. King and Vernon R. Powell, Denver, Colo.; dedicated to the free use of the People of the United States of America
Application March 16, 1939, Serial No. 262,204
5 Claims. (Cl. 33—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



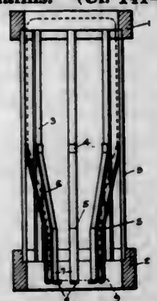
1. A device of the character described comprising a supporting member, a horizontal bar hinged to said supporting member, a sleeve bracket slidably mounted on said arm, means for selectively clamping said bracket to said arm, a vertical rod slidably engaged with said sleeve bracket, means for selectively clamping said rod to said sleeve bracket, a plurality of horizontal arms each independently hinged to said vertical rod, means for clamping said horizontal arms to said vertical rod, sleeve bands slidably mounted on said horizontal arms, means for selectively clamping said bands to said arms, and a vertical pin adjustably secured to each of said sleeve bands.

2,189,586
BOTTLE WASHER AND STERILIZER
Lawrence A. Lallement, Wichita, Kans.
Application April 16, 1936, Serial No. 74,629
12 Claims. (Cl. 141—7)



5. In a washing and sterilizing device, a rotatable guide member, columns of abutting carriers on the rotatable guide member, each carrier being adapted to carry a separate article to be washed, a plurality of sprayers rotatable with and disposed along the guide member on two or more sides of each column of carriers thereon to spray liquid in and about the articles in the carriers, and means adapted to abut the end carrier of each column for simultaneously advancing an entire column of carriers along the guide member during rotation of said guide member.

2,189,587
BOTTLE CARRIER
Lawrence A. Lallement, Wichita, Kans.
Application October 15, 1936, Serial No. 105,694
20 Claims. (Cl. 141—7)

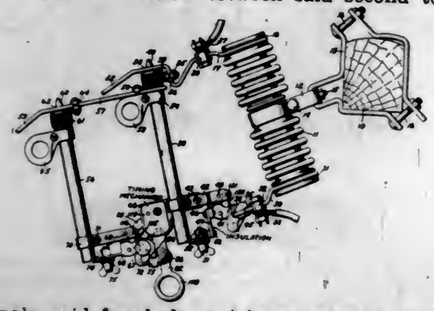


1. A bottle carrier comprising a pair of spaced rigid end rings, a plurality of spaced supports secured to and extending between the rings, resilient bottle retaining fingers secured at one end thereof to said supports, said fingers converging and extending toward one end of said supports and movably related thereto, the movable ends of said fingers each carrying a bottle retaining tip.

2,189,588
ELECTRIC SWITCHING DEVICE
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 2, 1937, Serial No. 177,728
12 Claims. (Cl. 200—126)

1. In an electric switching device, a pair of contacts, a switching element supported removably in closed position relative to said contacts and having a pair of spaced terminals one of which is electrically connected with one of said contacts and the other of which terminals is

electrically isolated from the other of said contacts, a second pair of terminals supported by said element in insulated spaced relationship and electrically connected respectively with said contacts, a fused switching element, means supporting said fused element on said first element for removable connection between said second ter-



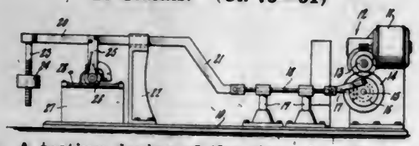
minals, said fused element being movable to an open position without movement of said first element from its said closed position, and switching mechanism automatically operative upon movement of said fused element to open position for completing an electric connection between the said other terminal of said first pair of terminals and said other of said contacts.

2,189,589

APPARATUS FOR TESTING MATERIALS

Everett A. Mahannah and Harold P. Bailey, Niagara Falls, N. Y., assignors to International Paper Company, New York, N. Y., a corporation of New York

Application January 19, 1937, Serial No. 121,252
10 Claims. (Cl. 73—51)



1. A testing device of the class described comprising in combination, a holder for the material to be tested, an abrasive element rotatably mounted on a support for abrading the surface of the material to be tested, means to reciprocate said support, and means to render said abrasive element inoperative for one half of each reciprocation of said abrasive element.

2,189,590

HIGHLY FLEXIBLE SHEETING AND PROCESS OF PREPARING THE SAME

Carl J. Malm, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 18, 1934, Serial No. 758,063
3 Claims. (Cl. 106—40)

1. A flowable film forming solution comprising a cellulose acetate butyrate which has a butyryl content of at least 8% and from which at least one-half of 1% and not more than 10% of the combined acyl content has been hydrolyzed off and a solvent mixture essentially consisting of 7–9 parts of propylene chloride and 3–1 parts of a lower aliphatic monohydroxy alcohol, capable of producing a transparent, flexible sheet upon evaporation of the solvent from a thin layer of the solution.

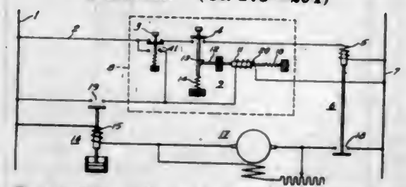
3. A highly flexible sheet resulting from the coating out of a cellulose acetate butyrate which has a butyryl content of at least 8%, and from which at least one-half of 1% and not more than 10% of the combined acyl content has been hydrolyzed, from its solution in a solvent mixture essentially consisting of 7–9 parts of propylene chloride and 3–1 parts of a lower aliphatic monohydroxy alcohol.

2,189,591

SHUNT TRIP OVERLOAD PROTECTIVE SYSTEM

Phelan McShane, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 17, 1936, Serial No. 116,377
5 Claims. (Cl. 175—294)



1. In a system of control for a current consuming device, in combination, a source of electric energy, a current consuming device, electromagnetic switching means responsive to a predetermined voltage of said source of electric energy adapted to automatically connect said current consuming device to said source of electric energy, and responsive to a voltage lower by a given value than said predetermined voltage, adapted to automatically disconnect said current consuming device from said source of energy, control switching means, normally biased by a spring to open circuit position, but adapted to be operated to closed circuit position to thus establish an energizing circuit for said electromagnetic switching means, the circuit for the electromagnetic switching means through said control switching means being directly connected across the line terminals of said source, electromagnetically releasable latching means, normally adapted to hold said control switching means against the compression of said spring, after operation thereof, in circuit closing position, and means responsive to a predetermined overload current of said current consuming device adapted to energize said latching means to effect the release of said control switching means by said spring, the subsequent restoration of said predetermined overload current to its normal value being effective to completely deenergize all of the elements of the control system.

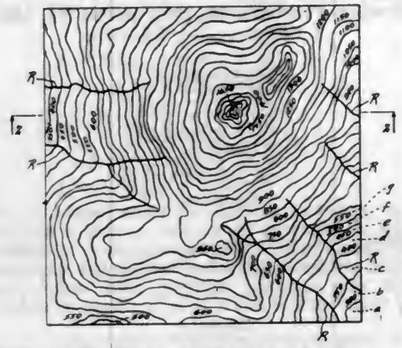
2,189,592

PROCESS OF MAKING RELIEF MAPS

Bamunuarchige Victor Perera, Ipoh, Perak, Federated Malay States

Application March 11, 1937, Serial No. 130,295
1 Claim. (Cl. 35—41)

The method of making relief maps, which consists in, first, tracing on a transfer sheet the outline of a contour line on a given contour map within a selected portion thereof as defined by a ruled polygon thereon starting with the lowest elevation within said portion and at the same time on the same transfer sheet tracing the next highest contour lines; second, transferring on a substantially stiff layer of suitable material of the same shape and size as defined by said polygonal portion said contour lines, the contour line of one elevation being made solid and the line representing the next highest elevation dotted; third, cutting said layer along said solid contour line; fourth, attaching as by glueing or bonding said layer to a rigid base layer equal in shape and size to said polygonal portion; fifth, repeating the transfer of each subsequently higher contour line by the same method as indicated to a like shaped layer and cutting the outline thereof thereon and superposing the same on each other in corresponding relationship to the contour lines on the contour map, the dotted lines on a lower layer



serving to properly indicate the position of the layer superposed thereon; sixth, assembling said layers and uniting them together and to said base layer within an assembly frame fitted to said base layer surrounding the sides thereof; seventh, removing said frame; eighth, smoothing and rounding the edges of the superposed layers to produce an irregular surface corresponding to the topography of the terrain to be indicated; and, ninth, applying a protective and decorative covering to said surface.

2,189,593

GAS OR VAPOR FILLED DISCHARGE TUBE

Alfred Pützer, Berlin-Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft Siemensstadt, near Berlin, Germany, a corporation of Germany

Application October 27, 1937, Serial No. 171,329
In Germany October 1, 1936
2 Claims. (Cl. 250—27.5)



1. An electrical discharge device comprising a cathode and a plurality of anodes and control electrodes, said control electrodes cooperating to form an enclosure about said cathode and having solid insulating means between the various control electrodes, and said anodes cooperating to form an enclosure about said cathode and control electrodes and having insulation means between the various anodes.

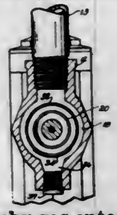
2,189,594

FILTER DEVICE FOR CONTROL VALVES

Frank H. Schoenfeld, Cleveland Heights, Ohio

Application March 15, 1937, Serial No. 130,857
4 Claims. (Cl. 183—67)

1. A fuel gas filter for an automatic fuel gas control device, which device includes a housing having an inlet chamber with an inlet opening in its side wall, said housing being mounted on a partition wall which separates the inlet chamber from the control chamber and having an orifice with its axis substantially at right angles to the inlet opening, and said filter comprising a sleeve disposed in the inlet chamber and being closed at one end by abutting the partition wall, said sleeve being closed at the opposite end and being spaced inwardly from the side wall of the inlet chamber to provide a fuel passage between the side wall of the sleeve and the side wall of the inlet chamber, thereby defining an isolated inner chamber in the inlet chamber, said sleeve having a port in its side wall and positioned opposite to the



inlet opening whereby gas entering the inlet opening is completely reversed in its direction of movement after passing through the inlet opening and before reaching the port in the sleeve for extracting solid matter from the fuel by centrifugal action, a filter element overlying the port for extracting additional solid matter entrained in the fuel as the fuel passes into the inner chamber, and a cavity located in the side wall of the inlet chamber and in alignment with the port in the sleeve and in communication therewith for receiving the extracted solid matter.

2,189,595

WELDING PROCESS

Edward F. Smith, Chicago, Ill., assignor to Haynes Stellite Company, a corporation of Indiana
No Drawing. Application May 20, 1937, Serial No. 143,725
1 Claim. (Cl. 219—10)

Process of hard surfacing a metal article which comprises passing an intermittently interrupted heating current of a periodicity of about 15 seconds through said article said current being of sufficient magnitude to raise the temperature of the article to a preheat temperature between about 700° F. and 900° F.; applying a high temperature gas flame to a welding rod composed of hard surfacing metal of the cobalt-chromium-tungsten type and to a relatively small portion only of the surface of said article; melting a portion of said rod by means of said flame, and depositing said melted portion of rod on said portion of the surface of said article; and continuing the passing of said intermittently interrupted electric current through the article during the deposition of molten rod metal whereby the heat intermittently applied to said article by said electric current and the heat applied by the gas flame is allowed to distribute itself throughout the article to substantially uniformly heat the article.

2,189,596

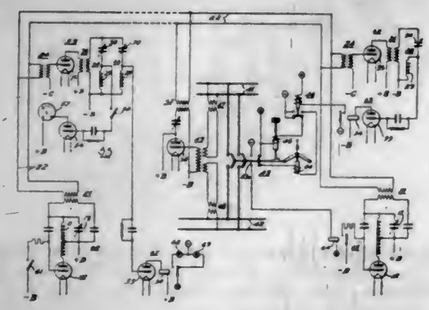
SYNCHRONISM INDICATING AND CONTROL SYSTEM

Ralph N. Stoddard, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

Original application April 15, 1932, Serial No. 605,546. Divided and this application May 22, 1937, Serial No. 144,175
7 Claims. (Cl. 171—118)

1. A system for synchronizing two electrical

systems having applied thereto alternating currents of predetermined frequency comprising, in combination, a first station, a second station, a single circuit connecting the stations, circuit-closing means at the second station for connecting the electrical systems together, transmitting vacuum tube means at the second station responsive to the frequencies of the systems for applying said frequencies to the single circuit



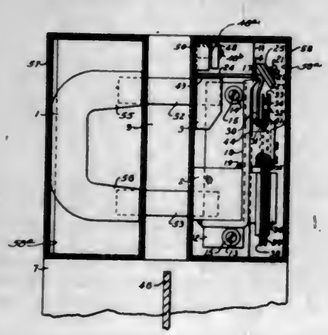
connecting the stations, receiving vacuum tube means at the first station for receiving the frequencies from the single circuit, indicating means connected to the receiving means to indicate the degree of synchronism between the systems, and control and supervision means connected to the circuit at the first station to actuate the circuit closing means at the second station and indicate the position thereof.

2,189,597

ELECTRIC INDUCTOR RELAY

Lancelot Ernest Wells, Northampton, England, assignor to The Express Lift Company Limited, Westminster, London, England, a British company

Application November 6, 1937, Serial No. 173,262
In Great Britain November 26, 1936
6 Claims. (Cl. 175—336)



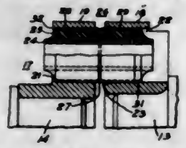
1. A relay comprising a pair of collector pole pieces, a permanent magnet provided with a pair of poles disposed to energize the collector pole pieces, means for supporting the collector pole pieces and the magnet with air gaps between the poles of the magnet and the collector pole pieces, an armature disposed to be attracted by one of the collector pole pieces when they are magnetized, and a magnetizable plate for movement through the air gaps between the collector pole pieces and the poles of the magnet to short circuit the flux from the magnet, thereby deenergizing the collector pole pieces to release the armature.

2,189,598

SHAFT COUPLING

Winston A. Brecht, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 20, 1937, Serial No. 126,845
4 Claims. (Cl. 64—11)



1. A unitary resilient coupling bushing comprising an integral inner sleeve, and a sectional outer sleeve with an integral sleeve of resilient material disposed between said inner and outer sleeves and secured thereto, said outer sleeve being transversely cut into a plurality of sections.

2,189,599

PROCESS OF PREPARING CYANINE DYES WITH STRONG ORGANIC BASES

Leslie George Scott Brooker, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 16, 1933, Serial No. 651,870
17 Claims. (Cl. 260—240)

1. In a process for the preparation of a cyanine dye containing a polymethenyl chain, said process being selected from the group consisting of a process wherein two molecular proportions of a cyclammonium quaternary salt substance containing a reactive alkyl group are condensed with one molecular proportion of other substance which provides a part of the polymethenyl chain and the elements of acid are eliminated from the condensing substances, and a process wherein one molecular proportion of a cyclammonium quaternary salt substance containing a polymethenyl chain is condensed with one molecular proportion of a cyclammonium quaternary salt substance containing a reactive alkyl group and the elements of acid are eliminated from the condensing substances, the step which comprises employing an organic base whose dissociation constant is substantially greater than that of pyridine in quantity sufficient to bind the elements of acid eliminated.

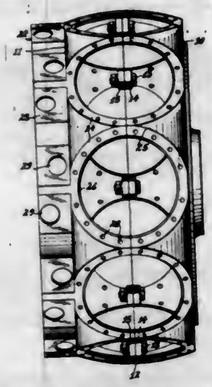
2,189,600

CRANKCASE

Rudolph Daub, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application May 27, 1937, Serial No. 144,989
7 Claims. (Cl. 121—194)

1. In a radial cylinder engine crankcase, forward and rearward crankcase sections each comprising an annular bearing diaphragm having integral cylinder deck forming projections extending from the diaphragm periphery, each said projection having an inturned flange at its end most remote from the diaphragm, said sections being adapted for assembly with the flanges of one section abutting the flanges of the other section, and bolts engaging respective abutting flanges of the sections, each cylinder deck formed



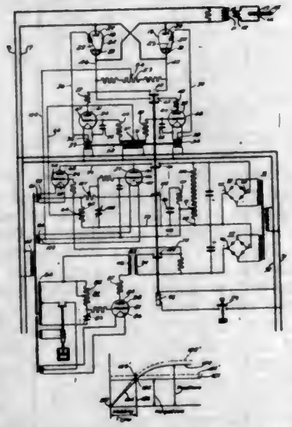
exteriorly of said projections meeting the edge of an adjacent deck at its extreme edge.

2,189,601

WELDING TIMING CIRCUITS

John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 14, 1937, Serial No. 142,564
13 Claims. (Cl. 250—27)



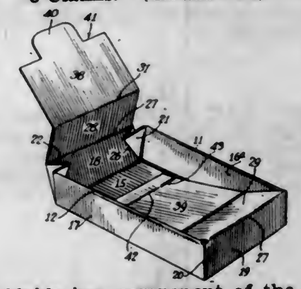
1. In a control system, in combination a source of alternating current, a load, circuit means connecting the source of alternating current to the load, a pair of inversely connected space-discharge devices interposed between the source of alternating current and the load for controlling the flow of current to the load, a control electrode in each of said space-discharge devices, a starting space discharge device for applying an energizing potential to the control electrodes to render said first mentioned space discharge devices conducting, a cut-off space-discharge device for effecting removal of the energizing potential from the control electrodes to render the pair of space-discharge devices non-conducting, said cut-off space-discharge device having a control electrode, and a common source of potential for supplying negative and positive components to the control electrode of said cut-off space-discharge device.

2,189,602

FOLDABLE BOX

George D. Denny, Ridgefield, N. J., assignor to Lowe Paper Company, Ridgefield, N. J., a corporation of New Jersey

Application October 8, 1936, Serial No. 104,572
8 Claims. (Cl. 229—34)



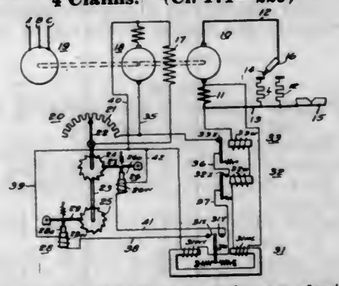
7. A foldable box component of the class described, comprising a sheet of thin material having scored crease lines defining a main body panel and four panels bent upwardly from the main body panel to constitute upright sides enclosing a container space, said sheet also having integral corner gore pieces joining adjacent upright edges of said side panels and scored to facilitate infolding of each gore piece upon itself and against an upright wall of said box, and an extension connected to each of two opposite upright wall panels of said component, each of said extensions including a panel portion extending downward in broadside relation with one of said first-named upright side panels and confining therewith two of said infolded gore pieces, each of said extensions being provided with a second extended panel portion disposed in broadside relation over the main body panel, one of said extensions being provided near its end with a transversely extending slit and the other extension being provided with an extended tongue portion passing through and extending beyond said slit and adapted to engage the upper surface of the main body panel.

2,189,603

CONTROL SYSTEM

Harold J. Graham, Boston, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

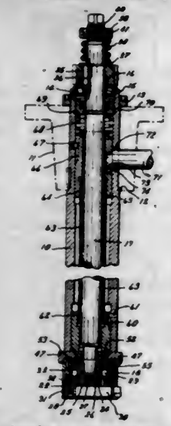
Application October 3, 1935, Serial No. 43,358
4 Claims. (Cl. 171—229)



1. A remote control system for an electric generator connected to supply current to a load circuit comprising, a source of substantially constant voltage, electro-responsive means for varying the output of the generator, a pair of resistors disposed to be selectively connected across the load circuit to produce the flow of control currents of different values therein, and means

including a differential control relay having opposed operating coils one of which is connected to be energized in accordance with the voltage of the source and the other connected to be energized in accordance with the said control currents for selectively controlling the energization and operation of the output varying means of the generator in response to the flow of said control currents therein.

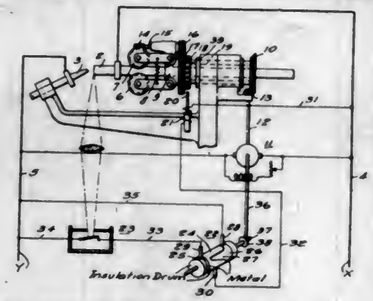
2,189,604
BORING BAR GUIDING MECHANISM
Francis P. Healy, Springfield, Mass., assignor to Van Norman Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application July 17, 1937, Serial No. 154,269
4 Claims. (Cl. 77—4)



1. A boring device comprising a rotatable cutter head, means for reciprocating and rotating the cutter head, a guide head mounted to the rear of the cutter head for reciprocation therewith, means for holding the guide head against rotation, a plurality of guide members radially movable in the guide head, a device having positive wedge-like connection with all of the guide members for moving them simultaneously in an outwardly radial direction, a yielding pressure device for forcing the wedge device against the guide members, power means for shifting the wedge device in a direction opposite to that given to the wedge device by the yielding pressure device, and control means for the power means including a trip operable at a predetermined point in the reciprocatory motion of the cutter head.

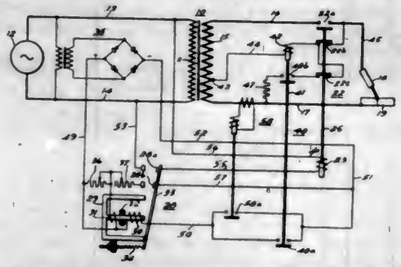
2,189,605
ELECTRODE FEEDING MECHANISM FOR ARC SEARCHLIGHTS
Carl F. Herbold, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1937, Serial No. 154,253
9 Claims. (Cl. 176—71)

1. In an electrode feeding device having an electromagnetic actuating mechanism, means for intermittently energizing the actuating mechanism comprising a circuit and an interrupter for said circuit, said interrupter comprising a rotating non-conducting drum, a conducting strip mounted on said drum, said strip increasing in length from one end to the other and extending axially of said drum, brush means bearing on said drum and disposed to intermittently complete said circuit, said brush means being movable axially of the drum to vary the interval of



contact engagement with said strip as the drum rotates.

2,189,606
WELDING SYSTEM
George E. King, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1936, Serial No. 116,322
7 Claims. (Cl. 171—119)

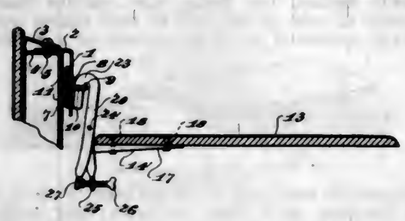


1. An electric system comprising, in combination, a load circuit including manual means for completing the circuit, a source of current for the load circuit having a reduced voltage tap to provide a control voltage, a line switch operable to connect the load circuit across the source, a time delay relay operable to energize the line switch, said time delay relay being operable to hold the line switch closed for a predetermined time after said time delay relay is deenergized, a relay operable upon energization from said reduced voltage tap on closure of said manual means for initiating the energization of the time delay relay and relay means responsive to the connection of the load to the source to maintain an energizing circuit for the time delay relay during the said connection of the load thereto.

2,189,607
TABLE FOR AUTOMOBILES
George A. Krischke, Rochester, N. Y.
Application September 15, 1937, Serial No. 164,010
3 Claims. (Cl. 311—22)

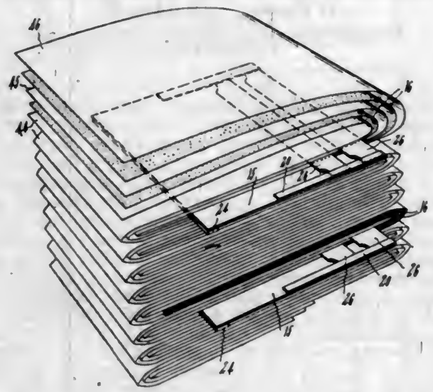
1. A table for an automobile comprising a fixed bracket adapted to engage the sill of the window or door of a car, said bracket having a T-shaped channel formed therein, a bracket having a T-shaped base engaging in said T-shaped channel, and sliding laterally thereon, a hanger supported from said sliding bracket, a bracket fastened to said table and swinging on said hanger, means on said table bracket by which it can be adjusted angularly with reference to the hanger

for the purpose of placing the table supported thereby in horizontal position while the table



extends inwardly from the door or window of the automobile.

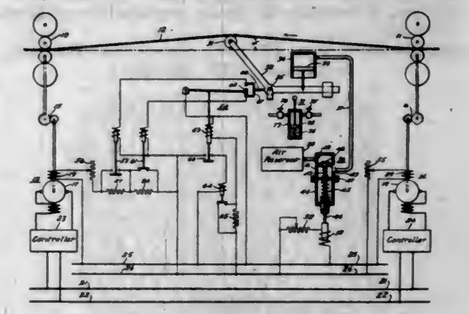
2,189,608
FOLD PACK
George U. Lacroix, Waltham, Mass.
Original application April 22, 1937, Serial No. 138,386. Divided and this application October 3, 1938, Serial No. 233,018
3 Claims. (Cl. 282—3)



1. The combination with a plurality of continuous superposed strips of paper provided with spaced transverse weakened or perforated lines and folded zigzag on said lines to form a fold pack, a plurality of manifold transfer devices arranged at intervals in said fold pack, each of said devices including a flexible sheet holder in flat engagement with the bottom face of the bottom sheet of said pack, a plurality of transfer carbon sheets interleaved with said strips, and means connected to the rear end of each of the carbon sheets and projecting laterally therefrom for attaching the same to the forward end of said holder, the holders and carbon sheets being spaced at such predetermined intervals throughout the fold pack as to be available for use when the carbon sheets on the preceding holder have been used up.

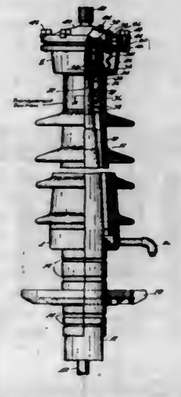
2,189,609
FLUID-PRESSURE OPERATED TENSIOMETER
Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1937, Serial No. 133,419
13 Claims. (Cl. 80—35)

1. In a tension control system, in combination, a movable tensioning roller, fluid-pressure operated means for actuating said roller, means for regulating the amount of fluid pressure on said



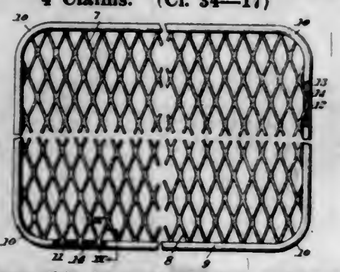
fluid-pressure operated means, and electrically energized means for governing the operation of said regulating means to control the operation of the tensioning roller.

2,189,610
CONDENSER BUSHING
Harry J. Lingal, Wilkinsburg, and Edwin E. Arnold, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 9, 1937, Serial No. 168,216
7 Claims. (Cl. 174—31)



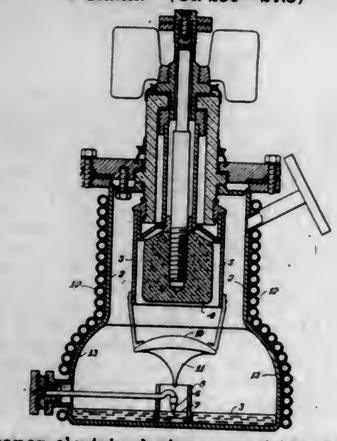
1. In an insulating bushing for high-tension electrical apparatus of the type which includes a shell of insulating material, a rigid conductor extending therethrough, and a chambered cap enclosing an end of the conductor and closing an end of the shell; said cap comprising a base of cup shape proportioned to seat on the end of said shell and an aperture therethrough for permitting said conductor to extend loosely into the cap, a compression spring and means for supporting it at one end upon the exposed side of said base and spaced therefrom, means for adjustably securing said spring at its other end to said conductor, a removable cover for said base enclosing the end of said conductor, and a flexible conductor having one end secured to said rigid conductor adjacent to the bottom of said compression spring with the free end of the conductor extending loosely beneath said spring, past the outer surface thereof, and removably connected to said cover within said cap.

2,189,611
TRAY
Wayne E. Mack, Martins Ferry, Ohio, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia
Application May 29, 1937, Serial No. 145,445
4 Claims. (Cl. 34—17)



1. A reversible tray comprising a foraminous metallic body portion and narrow half-round bars welded on both sides of the edges of the body portion.

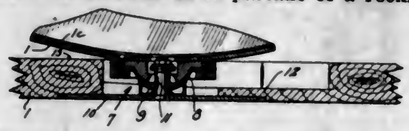
2,189,612
VAPOR ELECTRIC DEVICE
William E. Pakala, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1938, Serial No. 219,669
1 Claim. (Cl. 250—27.5)



A vapor-electric device comprising an evacuated container, an anode in the upper portion of said container, a cathode pool in the bottom of said container, a baffle restricting the active cathode area to a predetermined portion of said cathode pool, means for periodically initiating a cathode spot on the active cathode area, a streamline baffle above the active cathode area for directing the cathode vapor outwardly, the container being curved outwardly and downwardly so that the redirected cathode vapor sweeps over the container surface in the direction of the cathode.

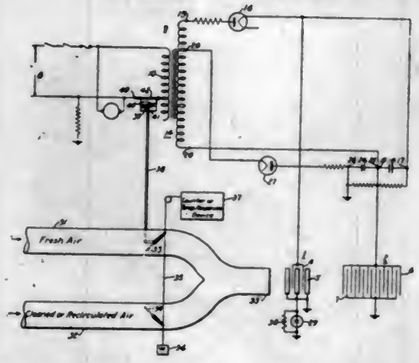
2,189,613
GOLF PRACTICING APPARATUS
Guy D. Paulsen, Longmeadow, Mass.
Application October 31, 1938, Serial No. 237,991
7 Claims. (Cl. 273—35)

1. A golf practicing apparatus comprising a pair of foot supporting plates mounted in spaced relation to provide a golfer's stance, adjustable devices for fixing the relative stance positions of said plates, one of said plates being pivotally mounted so as to partake of a rocking



movement in response to the turning press of the foot thereon, and stops to limit said rocking movement to approximately a horizontal position in response to an outward press of the foot, and to a slight dip downward and forward in response to an inward press of the foot.

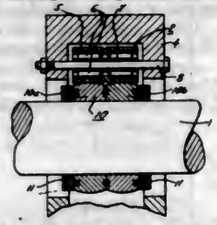
2,189,614
OZONE CONTROL FOR PRECIPITATORS
Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1938, Serial No. 206,380
12 Claims. (Cl. 183—7)



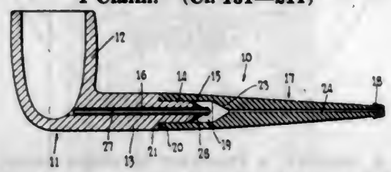
1. In a system for cleaning air supplied to an enclosure, an electrostatic precipitator having an air outlet to said enclosure, air inlet means to said precipitator comprising a duct for fresh air and a duct for air from said enclosure, said precipitator having ionizing means through which the air passes, said ionizing means being of a type which inherently generates small amounts of ozone, and means to decrease the ozone generating power of said ionizing means in accordance with the relative amounts of air supplied to said precipitator by said ducts.

2,189,615
ROLLER BEARING ARRANGEMENT
Fritz Rampacher, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 11, 1938, Serial No. 189,993
In Germany June 9, 1937
4 Claims. (Cl. 308—203)

1. A roller bearing for supporting a motor on an axle comprising a ball race disposed on the axle and a plurality of rollers cooperating with the race, said race being divided axially into a plurality of rings, and each ring being cut into two segments, said rings being so disposed on the axle that the joints between segments are displaced with reference to each other, and ring means having flanges disposed in the ring segments for retaining said ring segments on the axle.

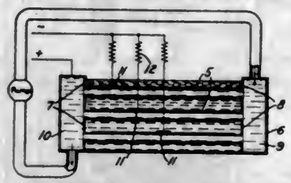


2,189,616
COMBINATION SMOKING PIPE, CIGARETTE HOLDER, AND SALIVA TRAP
Joseph George Sciavolino, Hoboken, N. J.
Application August 6, 1938, Serial No. 223,397
1 Claim. (Cl. 131—211)



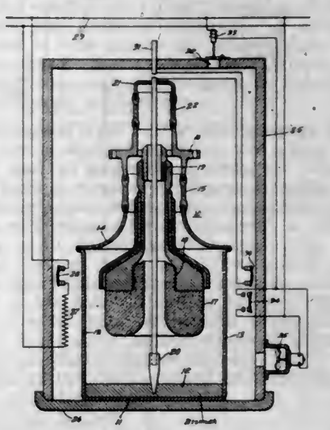
A smoking pipe comprising a member having a bowl portion, and a shank extending therefrom, said shank being formed with a reduced cylindrical portion, the outer end of said cylindrical portion being conical, and said shank being formed with a through opening extending from the bottom of the bowl to the apex of said conical portion, a member made of metal having a pipe portion extending within said through opening and having a conical portion at one end of said pipe portion receiving the conical portion of the shank, and a stem having a socket at one end receiving the cylindrical portion of the shank, said socket being of such length as to provide a chamber between the conical portion of said metal member and the bottom of said socket.

2,189,617
METHOD AND DEVICE FOR COOLING METALLIC DRY RECTIFIER ELEMENTS
Ernst Siebert and Wilhelm Kafka, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1938, Serial No. 219,532
In Germany November 3, 1937
4 Claims. (Cl. 175—366)



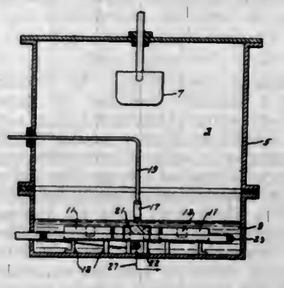
1. A contact rectifier comprising a tubular metallic element, a layer on one surface of said tubular metallic element forming a rectifying contact, means for making electric contact to the surface of said layer and means applying an electrically-insulating cooling medium to both the outside and the inside of said metallic tubular element.

2,189,618
VAPOR ELECTRIC TUBE
Joseph Slepian, Pittsburgh, and Leon R. Ludwig, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 25, 1938, Serial No. 198,070
6 Claims. (Cl. 250—27.5)



1. A discharge device comprising a container, having the major portion of its wall-area of non-translucent material, an anode and a cathode therein, said cathode being selected from the group of metals consisting of bismuth, lead, cadmium and tin, and means maintaining the portion of said container having said cathode at a temperature between the melting point of said cathode and the temperature at which the vapor pressure of said cathode would cause backfires.

2,189,619
MAGNETIC MEANS FOR STIRRING MERCURY IN AN IGNITRON
Joseph Slepian, Pittsburgh, and William E. Pakala, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1938, Serial No. 218,354
7 Claims. (Cl. 250—27.5)



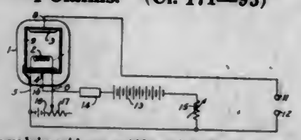
1. In an electrical discharge device comprising a plurality of principal electrodes at least one of which is a liquid metallic cathode, means disposed in said cathode for setting up a magnetic field, means for establishing a current in said cathode and means centrally disposed in said cathode for directing the current in said cathode into said magnetic field.

2,189,620

TUBE FOR MEASURING VOLTAGES

Lee Sutherlin, Caldwell, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 14, 1938, Serial No. 201,956
4 Claims. (Cl. 171—95)



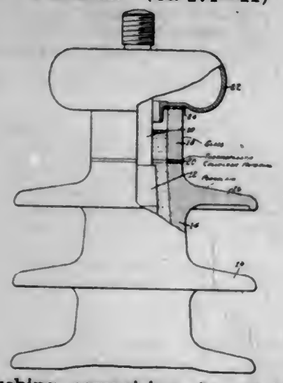
2. In combination with a high potential voltage source and a low potential voltage source, a vacuum tight enclosure embodying a pair of electrodes spaced apart from each other together with a third electrode adapted to emit electrical particles of one polarity and materially nearer to one of said electrodes than to the other, a metallic shield within which at least two of said electrodes are positioned, connections from said high potential voltage source to said third electrode and the more distant of said other electrodes, and connections including a current responsive device from said low voltage source to said third electrode and the nearer of said other electrodes.

2,189,621

BUSHING

Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 13, 1938, Serial No. 184,830
5 Claims. (Cl. 174—11)



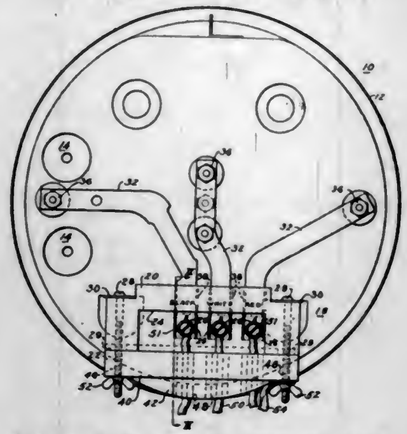
1. A bushing comprising, in combination, a conductor, a tubular member of dielectric material disposed around the conductor substantially concentric therewith and in spaced relation thereto, a cylinder of transparent dielectric material having a coefficient of expansion different from that of the tubular member disposed in end to end relation therewith and in spaced relation about the conductor, a thermoplastic cellulosic material disposed between the confronting ends of the tubular member and the cylinder and intimately united therewith, means associated with the end of the cylinder opposite its united end and the conductor for closing the space therebetween, and means associated with the end of the tubular member opposite its united end and the conductor for closing the space therebetween, the thermoplastic cellulosic material cooperating with the cylinder and the tubular member to provide a leak-proof structure about the conductor.

2,189,622

HEATER TERMINAL BLOCK

Alfons Barnsteiner and Edwin H. Lockwood, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 30, 1937, Serial No. 177,311
3 Claims. (Cl. 173—324)



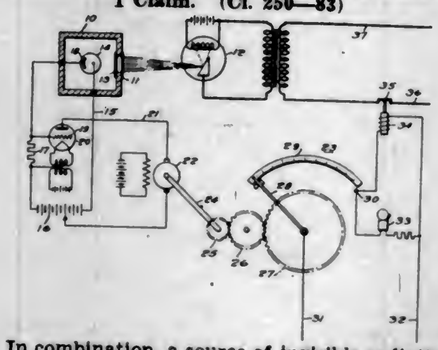
1. A support, a two-part terminal block, one of said parts being stationary and positioned upon said support and having a plurality of spaced apertures, the second of said parts being removable and having a face conforming to a face of said stationary part and engaging therewith in the correct assembly of said parts and a second face non-conforming with respect thereto, said removable part also having a plurality of spaced apertures disposed substantially in respective alinement with the first mentioned apertures, a plurality of conductors stationarily disposed through the apertures of said stationary part, a plurality of additional conductors movably disposed through the apertures of said removable part, and fastening means long enough to hold said parts together only when said conforming faces are in engagement thereby to insure correct alinement of said conductors and additional conductors.

2,189,623

INTEGRATING X-RAY DOSAGE METERS

Langford T. Bourland, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1938, Serial No. 216,235
1 Claim. (Cl. 250—83)



In combination, a source of invisible radiations

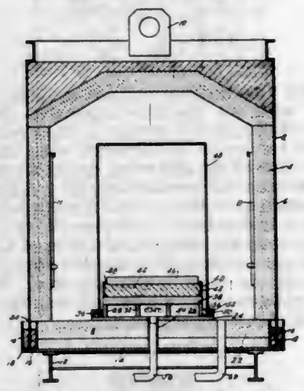
with electric supply connections thereto and a device responsive to said invisible radiations comprising a container opaque to visible radiations, a substance therein fluorescent to invisible radiation, a photo-sensitive device within said container actuated by the fluorescence of said substance, a motor actuated by said photo-sensitive device and means, actuated by said motor, for interrupting the electric supply connections of said source of invisible radiations.

2,189,624

HEAT INSULATING HEARTH

John H. Bramble, Farrell, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 4, 1939, Serial No. 259,861
13 Claims. (Cl. 263—42)



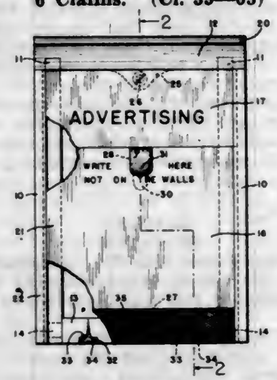
1. A hearth for a heat-treating furnace comprising a container having a bottom and sides, a bed of finely divided refractory in said container, and a metallic charge-supporting plate resting on said bed.

2,189,625

MEMORANDUM DEVICE

Harry M. Burt, Cranston, R. I., assignor to Louis Karasik, New York, N. Y.

Application June 27, 1938, Serial No. 215,951
6 Claims. (Cl. 35—63)



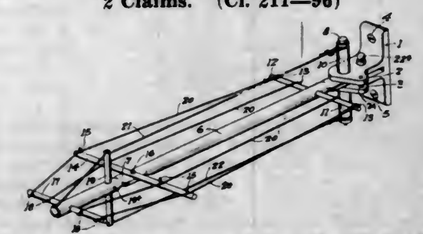
1. A memorandum device comprising in combination a pair of plates at least one of which is made of material from which memoranda recorded thereon may be erased, a frame therefor adapted to be mounted upon a support; said frame having groove means for slidably receiving and retaining in place said pair of plates when the same are disposed edge-to-edge therein, and an aperture; and clamping means cooperating with the front surface of one of said plates disposed between the abutting edges thereof, in combination with means for holding said plates in position in said frame to prevent the withdrawal thereof and confine said clamping means between said plates, said holding means being concealed behind one of said plates and comprising spring means mounted upon said frame adapted to be moved into inoperative position by an instrument inserted through said aperture.

2,189,626

CLOTHESLINE HANGER

Patrick J. Casserly, Cleveland, Ohio

Application February 21, 1939, Serial No. 257,687
2 Claims. (Cl. 211—96)



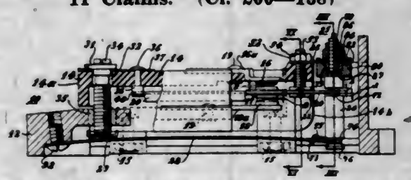
1. A clothes drier comprising a bracket adapted to be secured to a suitable support, a horizontally disposed clothespole having one end pivotally secured to said bracket and being swingable through an arc, means carried by said bracket for securing said clothespole in a plurality of positions, a pin passing through said bracket and pole and extending above and below the same, a second pin extending through said pole adjacent the opposite end thereof and disposed in parallel relation to said first pin, a section of clothesline connecting the outer end of said pole and the upper ends of both of said pins, a secon section of clothesline connecting the lower ends of said pins, a third horizontally disposed pin extending transversely of said pole and disposed adjacent the inner end thereof, a fourth pin extending transversely of said pole and positioned adjacent the outer end thereof and extending parallel to said third pin, a plurality of sections of clothesline connecting said third and fourth pins, a spreader bar pivotally mounted on said pole and having portions adapted to engage said last mentioned sections of clothesline and to spread the same apart, all of said pins being removable from said pole to permit disassembly of said clothes drier.

2,189,627

HEAVY DUTY SNAP-ACTING THERMOSTAT

Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

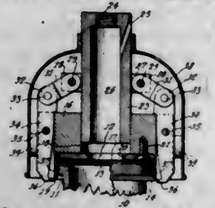
Application March 25, 1938, Serial No. 198,077
11 Claims. (Cl. 200—138)



1. A heavy-duty thermostat, including a sta-

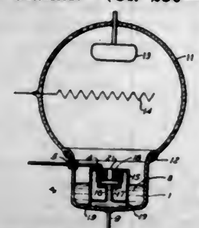
tionary and a cooperating movable contact, a heat-responsive device for operating said movable contact, a first resilient member for movably supporting said movable contact, and means comprising a second resilient member compressed into an elastic curve for producing a snap action of said device and movable contact.

2,189,628
BOTTLE CAPPING MACHINE
Nicholas Corsi, Brooklyn, N. Y., assignor to Ajax Bottle Cap Corp., Brooklyn, N. Y.
Application October 17, 1938, Serial No. 235,465
2 Claims. (Cl. 226—86)



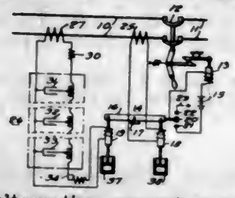
1. A bottle capping machine comprising in combination, a chuck, a central cylindrical cavity in the bottom of the chuck for the insertion of a bottle cover with a metal cap to be fastened on top of the bottle, a plurality of levers pivoted on the chuck and having arms movable radially toward and away from the center of the cavity, means for moving the said arms into engagement with the rim of the metal cap and also out of engagement with the metal cap, a centrally mounted vertically reciprocating shaft in the top of the chuck, links connecting said shaft and the tops of the levers, the bore of said shaft connecting with the cavity in the bottom of said chuck, and an annular plate centrally apertured but having an inner wall engageable as a stop with the bottom of the hollow member.

2,189,629
CRATER CATHODE
George S. Evans, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1938, Serial No. 210,185
5 Claims. (Cl. 250—27.5)



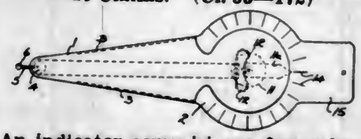
1. In combination with a vacuum tight container comprising a cup-shaped metallic wall portion, an anode sealed thereto by vacuum-tight insulation and a vaporizable liquid in said cup, a cathode structure comprising a heating resistor, a surface of thermionically-emissive material, in heat-receiving relation to said resistor and supported within said cup-shaped wall portion above said liquid, the mouth of said cup facing in such a direction that the vapor formed when said liquid is heated by said surface is constrained to flow from the vicinity of said surface to the region within said container in the neighborhood of said anode, and walls forming a restricted channel through which the condensate from said vapor is constrained to flow back to the neighborhood of said cathode structure.

2,189,630
HIGH SPEED PRESETTING RELAY
Robert D. Evans, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1938, Serial No. 187,476
14 Claims. (Cl. 175—294)



1. In an alternating current system, the combination with an electro-responsive device and means connecting the device to the system to energize the device in accordance with the instantaneous value of an electrical quantity of the system, of means for modifying the responsiveness of the device according to a relation between the immediate instantaneous value of the quantity and a previous instantaneous value of that quantity, said means including means energized from the circuit by said quantity, and time-delay means between the energized means and the modifying means.

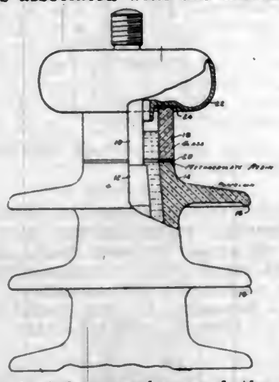
2,189,631
INDICATOR
William M. R. Farmer, Wyandotte, Mich.
Application May 11, 1939, Serial No. 273,137
10 Claims. (Cl. 33—172)



1. An indicator comprising a frame having an arm pivoted thereon, a contact member supported for movement about the arm axis and so connected to said arm that movement of the member turns the arm, a spool mounted for rotation on the frame, a pointer carried by the spool, a spring member carried by the arm in frictional contact with the spool periphery whereby movement of the arm about its axis turns the spool, and said frame having graduations thereon with any of which said pointer is adapted to register.

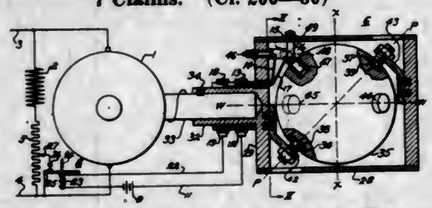
2,189,632
BUSHING
James G. Ford, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1938, Serial No. 184,832
4 Claims. (Cl. 174—11)

1. A bushing comprising, in combination, a conductor, a dielectric tube member disposed in spaced relation about the conductor, a cylinder of transparent dielectric material disposed in spaced relation about the conductor in end to end relation with the dielectric tube, the cylinder and the dielectric tube member having different coefficients of expansion, a seal of methacrylate resin disposed between the dielectric tube and the cylinder adhering thereto and bonding the cylinder and the dielectric tube member into an integral structure, means associated with the unsealed end of the transparent cylinder and the conductor for closing the space therebetween, and means associated with the unsealed end of



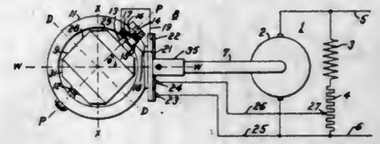
the dielectric tube member and the conductor for closing the space therebetween, said seal cooperating with the transparent cylinder and the dielectric tube member to provide a leakproof structure about the conductor, the seal being sufficiently plastic to relieve stresses in the sealed structure occasioned by reason of the different coefficients of expansion of the sealed elements while maintaining them integrally united.

2,189,633
SPEED REGULATOR
Clinton R. Hanna, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1937, Serial No. 164,158
7 Claims. (Cl. 200—80)



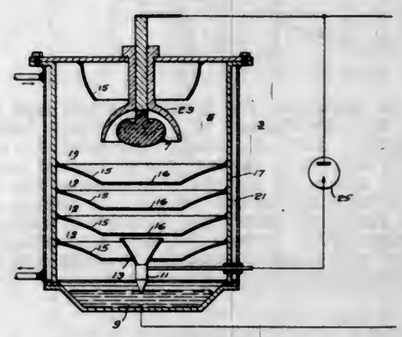
1. In a speed governor for controlling the speed of a rotating member, a single inertia element positioned to revolve about an axis of rotation at a speed that varies with the speed of the regulated member, and mounted with freedom of motion about an axis at an angle to the axis of rotation, said inertia element being provided with two smaller masses diametrically disposed on opposite sides of the center of mass of the element along an axis displaced from the axis of rotation to provide a couple about an axis at right angles to the axis of rotation due to centrifugal force of rotation about the axis of revolution of the inertia elements having a component of force about the axis of freedom of motion of the inertia element, biasing means for opposing movement of the inertia element about its axis of freedom in response to centrifugal force, and means controlled by movement of the inertia element about its axis of freedom.

2,189,634
SPEED GOVERNOR
Clinton R. Hanna and Stanley J. Mikina, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1937, Serial No. 164,160
12 Claims. (Cl. 175—355)



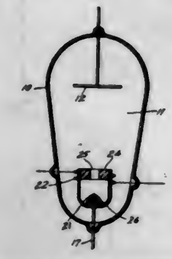
1. In a speed regulator, in combination, a member to be regulated, a supporting ring mounted to revolve at a speed that varies in accordance with the speed of the member to be regulated, a rotor pivotally mounted within said ring to move about an axis that is inclined at an angle to the axis of rotation, said rotor having a bore coincident with the pivot axis, a spring within said bore one end of which is attached to said ring for biasing said rotor about said pivot axis, the mass of said rotor being so distributed as to provide a couple of unbalance responsive to centrifugal force for biasing said rotor about its pivot axis against the bias of said spring, a contact member carried by said rotor and a cooperating contact member carried by said ring, and means controlled by said contact members.

2,189,635
ELECTRIC DISCHARGE DEVICE
Hans Klemperer, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1938, Serial No. 184,834
2 Claims. (Cl. 250—27.5)



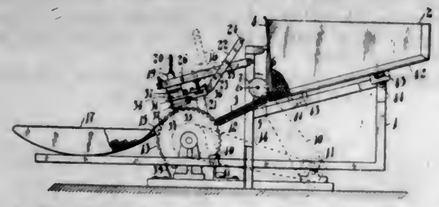
1. A vapor-electric device comprising an evacuated metallic vessel, a vaporizable cathode in said vessel, an anode cooperating with said cathode, a make-alive electrode in permanent contact with said cathode, a plurality of annular plates secured to the side walls of said vessel to provide a plurality of substantially separate condensing chambers, said plates having openings to provide a substantially unobstructed path between said anode and cathode, a substantially conical baffle adjacent the cathode surface to direct vapor rising from said cathode into said condensing chambers, and means for cooling said condensing chambers.

2,189,636
LONG LIFE CATHODE FOR ELECTRON TUBES
Dewey D. Knowles, Wilkinsburg, and George S. Evans, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1937, Serial No. 176,852
2 Claims. (Cl. 250—27.5)



1. Cathode structure comprising a casing, a top on said casing having a porosity of the order of sintered tungsten, electron emitting material in said porous top, and barium within said casing, said top having an opening therethrough whereby said barium may be bombarded by ions from outside said casing having sufficient velocity.

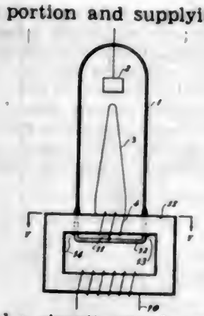
2,189,637
BRANDING MACHINE
Elmer Litchfield, Oakville, Ontario, Canada, assignor to The Oakville Basket Company Limited, Oakville, Ontario, Canada
Application February 21, 1938, Serial No. 191,700
6 Claims. (Cl. 101—8)



1. In apparatus for branding sticks and the like, the combination of a supporting frame; an article carrying wheel journalled in said frame; said wheel having grooves formed transversely across its periphery to receive the articles; branding means adapted to engage articles carried by said wheel, said wheel having a circumferential groove below said branding means; and scraper means for cleaning said circumferential groove as the wheel rotates.

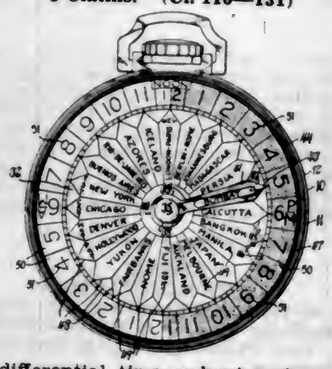
2,189,638
HOT CATHODE VACUUM TUBE
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1938, Serial No. 214,021
2 Claims. (Cl. 250—27.5)

2. An electrical discharge device containing at least two electrodes and having a vacuum-tight enclosing wall, a substantially continuous ferromagnetic core extending through said enclosing wall so that one portion of said core is inside said enclosing wall and another portion is outside said enclosing wall, a circuit within said device linking said one portion and supplying power to an



electrode, and a circuit outside said device linking said other portion.

2,189,639
DIFFERENTIAL TIME-RECKONING DEVICE
Alfred L. Manseau, Wolcott, Conn., assignor to The Waterbury Clock Company, Waterbury, Conn., a corporation of Connecticut
Application December 12, 1938, Serial No. 245,086
5 Claims. (Cl. 116—131)

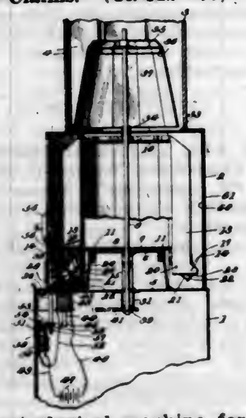


3. A differential time-reckoning device, comprising: a graduated place-member of a disk-like form carrying a plurality of place-indicia markings; a graduated time-member in the form of an annulus coaxially arranged therewith, the said time-member bearing a number of time-indicia markings and having its inner-marginal edge disposed in juxtaposition to the outer marginal edge of said graduated place-member; at least one of the said members being rotationally-adjustable relatively to the other to selectively-register a particular place-indicia marking with a particular time-indicia marking; and a normally-stationary optionally-movable time-and-place correlating-marker pivotally mounted at one end about the common axis of the said graduated place- and time-members and movable optionally into registration with the selectively pre-registered place- and time-indicia markings on the said members.

2,189,640
MANUFACTURE AND PRODUCTION OF HARD SOLDERS
Alan Richard Powell, London, England, assignor to Johnson, Matthey & Company, Limited, London County, England, a company of Great Britain
No Drawing. Application October 27, 1938, Serial No. 237,368. In Great Britain December 20, 1937
4 Claims. (Cl. 75—135)

1. A process of producing in the form of fine metallic powders hard solders which cannot be comminuted by a simple pulverizing process which consists in dividing the components of the desired solder alloy into two portions, the first comprising components which are such as to form an alloy capable of being readily pulverized, and the second comprising a relatively workable material selected from the group malleable metals, malleable alloys, alloying the components of the first portion and reducing the resulting alloy to powder form by a pulverizing process, producing the material of the second portion in the form of a fine metallic powder by converting a powdered oxide material into metal while mixed with a distributing agent and then removing the distributing agent, and finally intimately mixing the two portions.

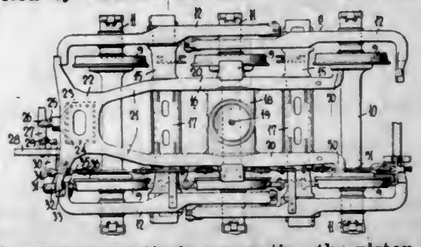
2,189,641
COIN-CONTROLLED ASTROLOGICAL MACHINE
Vincent F. Siezak, Chicago, Ill.
Application November 10, 1936, Serial No. 110,148
5 Claims. (Cl. 312—77)



1. In an astrological machine for dispensing horoscope scrolls, in combination, a magazine for holding tubular paper scrolls bearing horoscopes arranged in a body within the magazine side by side horizontally and superposed one on another vertically, an inclined enclosed chute having a discharge opening at its lower end, said chute being disposed at the bottom of one side of said magazine and opening into said magazine and of a size to just pass a single side by side row of said scrolls, a movable member located at the inner end of said chute and supporting and directing the scrolls one by one into said chute, means for moving the supporting member for the scrolls in a downward direction toward the chute for advancing scrolls into the chute and in a reverse direction for imparting a rising and rolling agitational movement to the scrolls, and manually operated means for rejecting a scroll from the chute through the discharge opening therein.

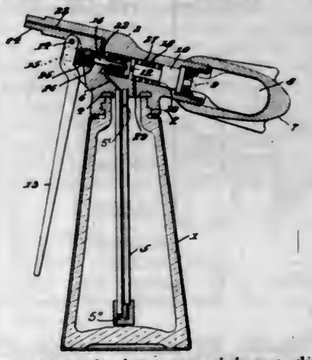
2,189,642
CAR TRUCK AND BRAKING MEANS THEREFOR
Harry W. Stertzbach and Claude L. Orr, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application January 20, 1938, Serial No. 185,986
22 Claims. (Cl. 188—46)

1. In a structure of the character described, a railway truck having end axles, end side frame members supported by said end axles, intermediate axle means, side frame equalizing members supported by the intermediate axle means and movably connected to the end side frame members, a bolster system including a center bolster supported by the end side frame members, a braking system, an extension projecting longitudinally from an end of the center bolster, a fluid cylinder carried by said extension and having a piston



rod, means operatively connecting the piston rod to the braking system, the last-mentioned means including a lever extending transversely of the truck and having its medial portion connected to the piston rod, a second lever pivotally supported at one end and having its opposite end operatively connected to an end portion of the first-mentioned lever, and means for operatively connecting the medial portion of the second lever to a part of the braking system.

2,189,643
DISPENSING APPARATUS
Lawrence T. Ward, New York, N. Y.
Application April 25, 1936, Serial No. 76,445
12 Claims. (Cl. 299—95)

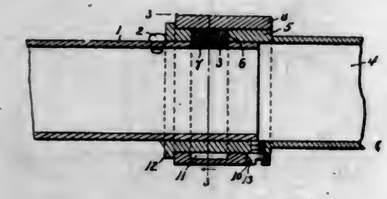


2. A dispensing device comprising a discharge head and a fluid reservoir, said head being provided with a cylindrical bore, a carbon dioxide capsule supported adjacent one end of said bore, a capsule piercing pin detachably supported within said bore adjacent said capsule, a gas release valve associated with said pin and arranged to cut off flow of gas from the capsule, a plunger positioned within said bore and extending through the other end of the bore, said valve being operable to open position by engagement of said plunger therewith, means to operate said plunger, and a gas port extending from said bore to said reservoir.

2,189,644
MEANS FOR HOLDING TOGETHER PARTS HAVING TELESCOPIC ENGAGEMENT
Charles Leo Wingard, Portland, Oreg.
Application November 3, 1937, Serial No. 172,627
2 Claims. (Cl. 285—168)

1. Means to hold male and female parts to-

gether, comprising in combination with engaging male and female elements, a locking key carried in an opening in said female element, said key and said opening having provisions to hold said key against longitudinal and transverse movements in said opening, and a shiftable band on said female element to overlie said key and having provisions to move said key to its lock-



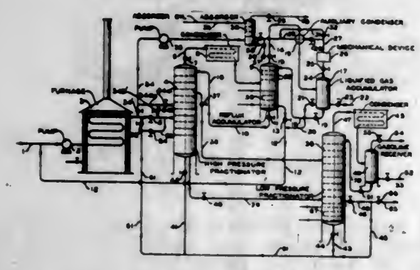
ing position or permit release of the same, accordingly as said band is in one position or another, said band comprising a rotatable body with an internal annular eccentric groove into which said key constantly projects, and having a cut-away portion at one place to pass over said key in assembling or disassembling the parts.

2,189,645

PROCESS FOR THE CONVERSION OF HYDROCARBONS

Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application February 11, 1935, Serial No. 6,124
19 Claims. (Cl. 196—10)



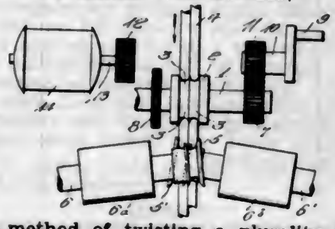
1. A process for the conversion of normally gaseous hydrocarbons to normally liquid hydrocarbons which comprises subjecting normally gaseous hydrocarbons to suitable conditions of temperature and pressure to effect conversion of at least a portion thereof to normally liquid hydrocarbons, first rectifying the products of conversion to sharply separate the normally gaseous from the normally liquid products, partially condensing the said normally gaseous products of conversion, separating the resulting condensate from uncondensed gases, returning a part of said condensate for reprocessing in said rectifying step, contacting the said uncondensed gases with a relatively heavy hydrocarbon oil to absorb additional constituents from said uncondensed gases and mixing the said heavy oil containing the absorbed constituents with said products of conversion prior to said first rectifying step, all said rectifying, separating, condensing, and contacting steps being carried out under relatively high super-atmospheric pressure.

2,189,646

METHOD AND APPARATUS FOR TWISTING METAL BARS INTO A UNITARY STRUCTURE

Paul Betzler, Karlsruhe (Baden), Germany

Application August 17, 1939, Serial No. 290,703
In Germany December 28, 1937
9 Claims. (Cl. 140—149)



1. A method of twisting a plurality of rods consisting in subjecting the rods to a feeding operation and a twisting and discharge operation, and causing the feeding operation to crowd the feed of the rods to the twisting and discharge operation to increase their molecular density sufficiently to compensate for the stretch imparted to the rods during the twisting and discharge operation.

2,189,647

PROCESS FOR TREATING MINERAL OILS

Merrell R. Fenske and Wilbert B. McCluer, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

No Drawing. Application December 15, 1934, Serial No. 757,732
4 Claims. (Cl. 196—13)

1. A process comprising separating wax containing lubricating oil into two fractions by means of solvent fractionation with a solvent selective chiefly as to molecular size to concentrate substances such as color, Conradson carbon and wax in the less soluble of said fractions, subjecting the less soluble of said fractions to solvent extraction with a solvent selective chiefly as to molecular type, dewaxing the raffinate thus produced, segregating the extract and wax thus obtained, and combining the remainder of said oil.

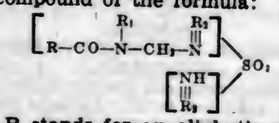
2,189,648

PRODUCTION OF NITROGEN-CONTAINING CONDENSATION PRODUCTS USEFUL IN THE TEXTILE AND RELATED INDUSTRIES

Fritz Guenther, Ludwigshafen-on-the-Rhine, and Hans Haussmann, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 4, 1936, Serial No. 62,378. In Germany February 18, 1933
14 Claims. (Cl. 260—295)

8. As a new article of manufacture suitable for application in the textile and related industries a compound of the formula:



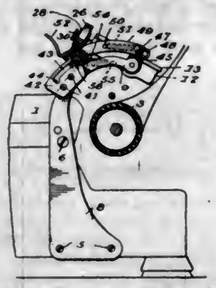
wherein R stands for an aliphatic radical containing at least 7 carbon atoms, R_1 stands for a member of the group consisting of hydrogen and a low molecular aliphatic radical and $N \equiv R_2$ is a tertiary heterocyclic nitrogen base.

2,189,649

ERASER ATTACHMENT FOR TYPEWRITERS

George H. Hutaff, Jr., Wilmington, N. C.

Application January 28, 1938, Serial No. 187,520
6 Claims. (Cl. 197—181)



1. An eraser attachment for typewriters including a rotatably mounted support, an eraser carried by the support, an arm connected to the support, a member connected to the arm and adapted for sliding movement relative thereto, and yieldable means connecting said member and said arm, said yieldable means operating the arm on movement of the member to rotate the support and to bring the eraser into erasing position relative to the typewriter platen and permitting movement of the member relative to and independent of the arm after the eraser has been brought into erasing position.

2,189,650

FABRIC INSPECTION DEVICE

Alfred E. Ischinger, Mount Penn, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application March 22, 1937, Serial No. 132,407
Renewed December 23, 1939
15 Claims. (Cl. 223—77)



1. A hosiery inspection device including a stationary inner support, a longitudinally divided outer form for supporting a stocking, the divisions of which form have end portions adapted to engage the toe end of a stocking, said divisions being laterally movably mounted on said support, an element stationarily mounted on said support having a portion between adjacent of said divisions and a heel portion projecting laterally from the surface of the form rearwardly of, and in spaced relation to, the toe end thereof for receiving the heel pocket of the stocking, a movable instep pressure member, and means for moving said divisions laterally against the stocking and also moving said pressure member against an instep portion of the stocking laterally opposite said element to pull the heel pocket into position on said element and apply tension to the fabric to expand the heel pocket a predetermined amount.

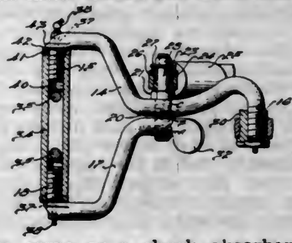
2,189,651

ARM FOR INDIVIDUAL SUSPENSION

John W. Leighton, Port Huron, Mich.

Application November 23, 1937, Serial No. 176,087
15 Claims. (Cl. 267—20)

1. In combination in a motor vehicle wheel suspension, a frame, a pair of arms having offset inner and threaded ends aligned axially, threaded bearing means on the frame receiving such threaded ends, means on the outer end of one of the arms for connecting a wheel supporting member thereto, and means connecting the arms between the latter means and the frame and also



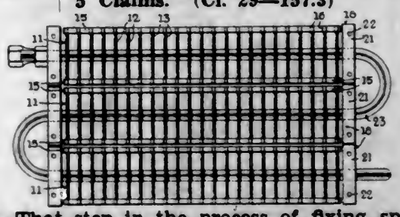
adapted to serve as a shock absorber connection.

2,189,652

FINNED TUBE

Edward G. Lehman, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware

Application April 15, 1937, Serial No. 137,102
5 Claims. (Cl. 29—157.3)



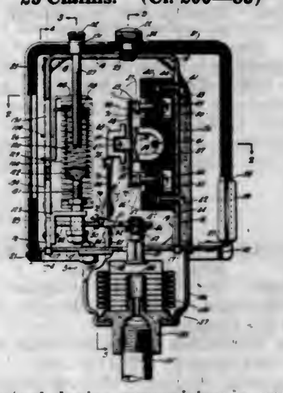
5. That step in the process of fixing spaced apertured fins on a tube in which process the tube is inserted through the apertures in the series of fins and then permanently expanded to fix the fins in place, which step comprises permanently connecting the fins together by slender spacing means which form a part of the finished assembly and which offer no substantial resistance to airflow over the fins in any direction, such connection being made independently of the tube prior to the assembly of the fins with the tube and with sufficient rigidity to maintain the spacing of the fins and their alignment during the expanding operation.

2,189,653

CONTROL DEVICE

Julius K. Luthe, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

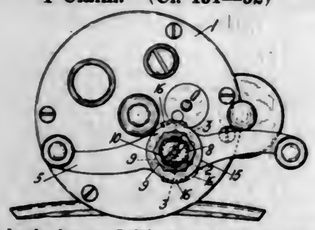
Application June 5, 1937, Serial No. 146,610
25 Claims. (Cl. 200—83)



1. A control device comprising, a pair of mov-

able contacts, a pair of stationary contacts arranged in operative relation to said movable contacts, a flexible member extending between said movable contacts for supporting them in spaced relationship, a resilient operating member for moving said movable contacts into engagement with said stationary contacts, an insulating member attached to said resilient operating member and pivotally supporting said flexible member; a rigid bar also pivoted to the insulating member and arranged to engage the backs of the movable contacts after they engage the stationary contacts, and magnetic means for causing the contacts to open and close with snap action.

2,189,654
NUT LOCK
Joseph W. Rief, Montreal, Quebec, Canada, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application September 22, 1936, Serial No. 101,932
1 Claim. (Cl. 151—52)



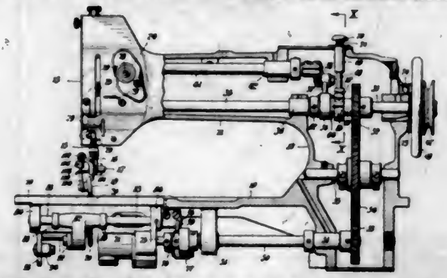
A nut lock for a fishing reel that comprises a shaft, a crank on the end of the shaft formed with margins that have arcuate, diametrically opposed medial regions concentric with said shaft, and a nut on the shaft to hold the crank in position thereon, said lock consisting of a disk fitting about the nut in engagement with the flat faces thereof, and two spring wings extending from the disk and adapted frictionally to engage the arcuate marginal portions of the crank, the width of said wings being substantially less than the linear extent of said arcuate portions of the crank so that said wings will engage said arcuate portions in all angular positions of the nut.

2,189,655
CONVERSION OF HYDROCARBONS
Robert F. Ruthruff, Nutley, N. J., assignor, by mesne assignments, to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 15, 1938, Serial No. 230,018
8 Claims. (Cl. 196—10)

1. The method of converting olefinic hydrocarbons to hydrocarbons of higher boiling points by polymerization thereof which comprises contacting said olefinic hydrocarbons at elevated temperature with a catalytic contact agent comprising as an essential ingredient copper pyrophosphate.

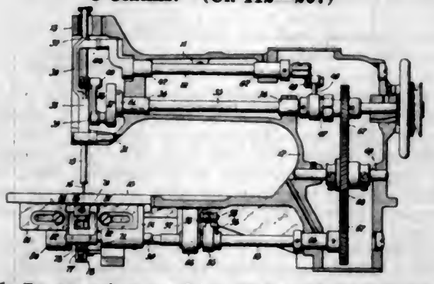
2,189,656
FEED MECHANISM FOR SEWING MACHINES AND THE LIKE
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1935, Serial No. 55,502
6 Claims. (Cl. 112—206)

2. In a sewing machine, the combination with a work support and a presser-foot at one side thereof, of a rotary feed member at the other side of said work support coacting therethrough with said presser foot, a needle and a reciprocating needle bar at the same side of said work support as said presser foot, a rockable guide for said needle-bar, a drive shaft with means actuated thereby for reciprocating said needle-bar, a shaft driven by said drive shaft and means actu-



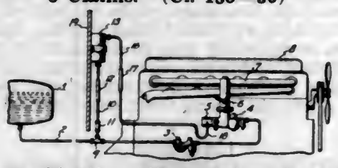
ated thereby for imparting step-by-step rotary work-feeding movements to said rotary feed member and for adjusting the extent of such movements, a shaft with means actuated thereby for oscillating said guide, and means for actuating said last-mentioned shaft from said driveshaft so as to feed the work by the engagement of the needle in the work as well as by the action of said feed member.

2,189,657
FEED MECHANISM FOR SEWING MACHINES AND THE LIKE
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1937, Serial No. 138,087
5 Claims. (Cl. 112—207)



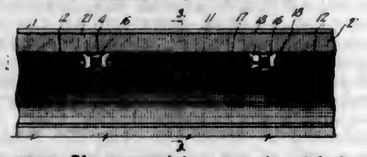
1. In a sewing machine, the combination with a frame carrying a work support and including an arm overhanging said work support, a presser-foot bar mounted on said arm, a reciprocating needle bar, and an upper feeding foot bar, a guide for the movement of said feeding foot bar rockably fulcrumed on said arm, a drive shaft mounted in bearings on said arm with actuating connections for reciprocating said needle bar, and a rocking lever fulcrumed on said arm with pivotal connections above said drive shaft to said presser foot and feeding foot bars, of means for actuating said lever from said drive shaft connected to the lever below its said pivotal connections, and means for oscillating said guide and said feeding foot bar operatively connected to the guide at a point further from the aforesaid guide fulcrum than said guide fulcrum is from the work, so that the to and fro motion of said guide at its connection to said oscillating means exceeds the resulting feed of the work by the feeding foot.

2,189,658
VAPOR LOCK ELIMINATOR
Barrett E. Sibley, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application September 14, 1935, Serial No. 40,623
3 Claims. (Cl. 158—36)



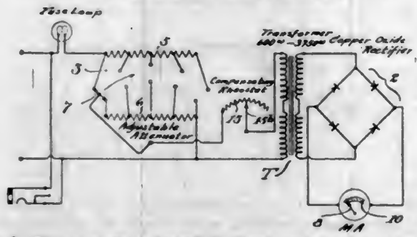
3. In combination with an internal combustion engine, a carburetor having an air intake, a high vapor pressure fuel supply, a conduit for conducting fuel from said supply to said carburetor, a chamber positioned above said conduit, material having an extended surface positioned in said chamber, a pipe providing communication between said conduit and the lower part of said chamber, and a pipe providing communication between the upper part of said chamber and the air intake of said carburetor, said fuel supply being such as to maintain some fuel in said pipe.

2,189,659
GANG FILE
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application November 4, 1937, Serial No. 172,760
6 Claims. (Cl. 29—78)



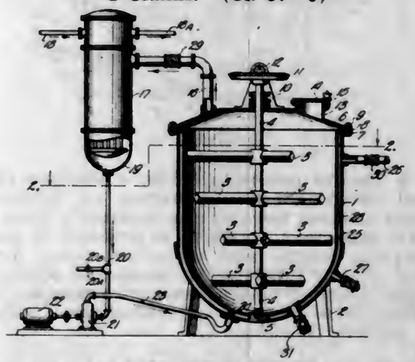
2. A gang file comprising a pair of bifurcated file members provided with file teeth on the outer surfaces thereof, and means for connecting said file members with respective planes of bifurcation disposed at angles to each other.

2,189,660
POWER LEVEL INDICATOR
Anthony P. J. Boudreau, Garden City, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 8, 1937, Serial No. 135,791
4 Claims. (Cl. 175—183)



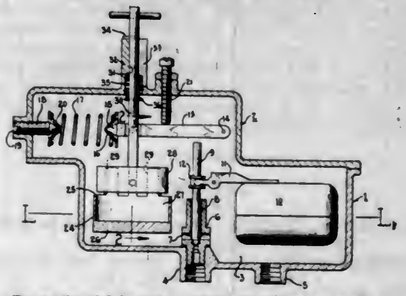
1. In a power-level indicator a source of alternating electric power and an indicating apparatus comprising a rectifier receiving current from said source, and having the characteristics of decreasing in resistance with increasing current and of decreasing its direct current output in accordance with increases in the frequency of the alternating current supplied thereto, an electrical measuring instrument receiving direct current from said rectifier and having a plurality of scales calibrated in logarithmic power units, each scale corresponding to a particular frequency, and a compensating variable resistance in series circuit relation with the rectifier, said resistance being calibrated at predetermined frequencies and at definite power levels to correspond with said scale calibrations of the rectifier so that with variations of current at one of said frequencies, and with the adjustment of the resistance corresponding to the indicated scale calibration at said frequency, the resistance of said apparatus will remain substantially constant at a fixed value.

2,189,661
METHOD FOR MANUFACTURING GREASE
Manville T. Buford, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application August 31, 1938, Serial No. 227,751
4 Claims. (Cl. 87—9)



1. A method of making a lubricating grease including the steps of mixing a soap and a mineral oil at temperatures above the boiling point of water, continuing the mixing step while at said temperatures until the soap is completely dehydrated, adding a predetermined quantity of water to the hot mass of soap while confining the soap to the mixing zone, continuously removing water vapor from the mixing zone, condensing the same and returning the condensate to the mixing zone until the temperature of the soap mass drops to one at which water is no longer vaporized.

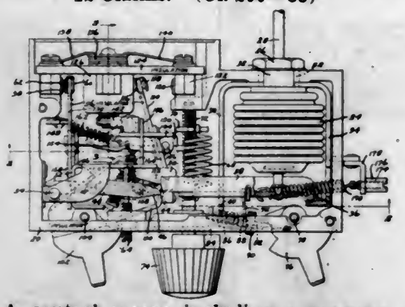
2,189,662
LIQUID LEVEL CONTROL MEANS
Andrew K. Foulds, Grosse Pointe Park, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application August 5, 1936, Serial No. 94,335
25 Claims. (Cl. 137—68)



1. In a liquid level control device, a casing con-

taining a reservoir having an inlet and an outlet, a valve controlling said inlet, a container in said reservoir and movable on overflow of liquid thereinto, means operable by movement of said container to close said valve, and a pump plunger cooperable with said container to expel liquid therefrom.

2,189,663
REFRIGERATING APPARATUS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 30, 1936, Serial No. 108,377
12 Claims. (Cl. 200—83)



1. A control means including a pressure operated diaphragm means having an inherent natural resilient resistance to movement from a neutral position, a means to be operated by said diaphragm means, and cancelling means providing a force substantially equal and opposite to said inherent natural resilient resistance of the diaphragm means for substantially cancelling said resilient resistance.

2,189,664
NITROGENOUS COMPOUNDS
Morris B. Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill.
No Drawing. Application July 18, 1938, Serial No. 219,831
20 Claims. (Cl. 260—295)

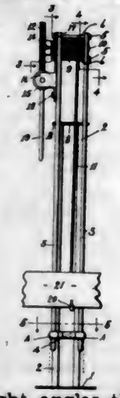
1. Chemical compounds corresponding to the general formula

$$RO-(alk\text{-}NY)_m-CO-Z\left[\begin{matrix}-N-\\ \\ A\end{matrix}\right]_w$$

wherein R is an organic radical containing at least four carbon atoms, alk is a hydrocarbon residue with or without interruptions or substitutions, Y is a member selected from the group consisting of hydrogen, alkyl, cycloalkyl, alkoxyl, aralkyl, aryl, and alkylol, Z is a hydrocarbon residue with or without interruptions or substitutions, A is an anion, *m* and *w* are small whole numbers, and at least one of the three indicated valence bonds attached to nitrogen is satisfied by a radical of the class consisting of alkyls, cycloalkyls, alkylols, aralkyls, aryls, aralkylols, and the radical of a heterocyclic ring of which the nitrogen is a member.

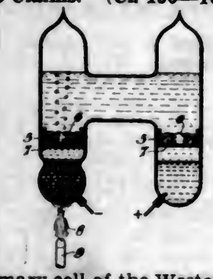
2,189,665
JACK
Isaac Kirby, Wichita, Kans., assignor to Edith Fuston, Long Beach, Calif.
Application May 4, 1939, Serial No. 271,658
1 Claim. (Cl. 254—145)

In a jack, a shaft comprised of tubular members spaced apart and in parallelism, the lower ends of said tubular members secured to a plate, the later functioning as a foot for the jack shaft, another pair of members, channel-like in cross section, spaced apart in parallelism and adapted to slideably engage on the tubular members, a bar having an eye on each end thereof as securing means for the lower ends of said channels in their spaced relation to the tubular members, the eyes to slideably engage along their respective tubular members, each channel having a plurality of apertures equally spaced therealong to receive a pin extending from one channel to the



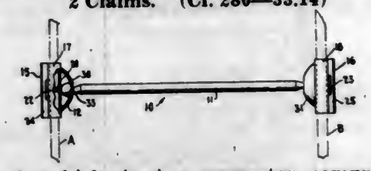
other and at right angles thereto, and against which the upper end of the tubular members will engage as carrying means for the channel members at predetermined extension for the leg of the jack, the upper end of said channel members having a drum trunnioned thereon, and a cable wound on the drum and having a hook on the free end thereof, the drum having a gear secured thereto and a worm in mesh therewith, and a plate secured to one of the channels, said plate having a pair of ears extending at right angles from one side of the plate and between which the worm is trunnioned, and a crank to turn the worm, all as and for the purpose specified.

2,189,666
DEPOLARIZATION OF PRIMARY CELLS
Lee A. Kline, Niles, Ohio
Application October 2, 1937, Serial No. 167,076
3 Claims. (Cl. 136—164)
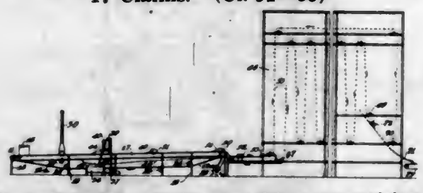


2. In a primary cell of the Weston type consisting of an H-tube having a mixture of mercurous sulphate and cadmium sulphate as the electrolyte, mercury as the positive electrode, cadmium amalgam as the negative electrode, a cork disk securely positioned in each of the legs of said H-tube above the electrode solutions therein to retain said solutions in their respective legs, said cork disk having an opening therein with a filter cloth stretched thereover, the method of depolarizing and rejuvenating the cell which comprises heating the negative electrode to a temperature of approximately 120 degrees Fahrenheit so as to cause the hydrogen liberated at said pole to expand and be driven upwardly through the cloth and cork and out through the electrolyte, cooling said negative electrode so that a portion of the electrolyte will pass downwardly through the cork and cloth to replace the hydrogen driven off, and repeating these steps until all of the hydrogen is driven from said electrode and contact is again established between the negative electrode and the electrolyte.

2,189,667
VEHICLE TOWING CONNECTOR
John Kries, Glendale, N. Y.
Application May 23, 1938, Serial No. 209,556
2 Claims. (Cl. 280—33.14)



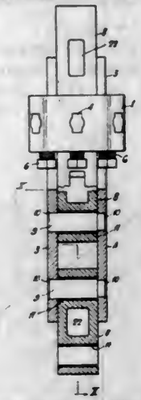
1. A vehicle towing connector comprising a substantially straight rod having an essentially spherical formation integral therewith, on each end thereof; and a pair of vehicle bumper clamps, one of said clamps being mounted on each end of said rod, each of said clamps comprising a U-shaped member adapted to being positioned with a portion of a vehicle bumper between the arms thereof, means for holding said member on said bumper, and a hollow convexed, dish-like element mounted on and fixedly attached to said clamp, said element having an opening formed therein adapted to receive the end portion of said rod and freely engage with said essentially spherical formation thereof whereby said rod and clamp are essentially flexibly connected.

2,189,668
PAINTING MACHINE FOR SHINGLES
Karl M. Leute and Herbert M. Lowry, Minneapolis, Minn.
Application April 26, 1937, Serial No. 138,968
17 Claims. (Cl. 91—55)



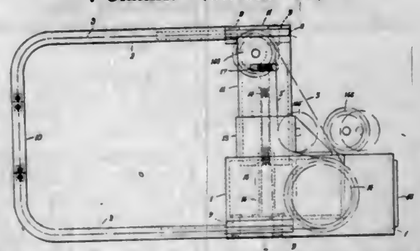
8. A shingle painting machine comprising, a substantially horizontal and elongated way affording a smooth supporting surface for courses of shingles, a conveyor for moving such courses along said way in spaced relation to each other, means for supplying paint in a pool on said way, means for submerging the shingles in said pool while in motion along said way, means for brushing the surfaces of the painted shingles during their passage along said way, a drying chamber, and a second conveyor arranged to receive the shingles from said first mentioned conveyor and to carry the same in said drying chamber, said second conveyor having means for automatically picking up and gripping the successive courses of shingles and being arranged to carry said shingles in a sinuous path through said chamber and to deliver the same in relatively dry condition at an end thereof.

2,189,669
ENDLESS CHAIN CUTTING MACHINE FOR USE IN MINING COAL AND OTHER MINERALS
Oswald Floyd Lewis, near Sheffield, England, assignor of one-half to Newton, Chambers & Company Limited, near Sheffield, England, a corporation of Great Britain
Application March 7, 1938, Serial No. 194,454
In Great Britain March 12, 1937
3 Claims. (Cl. 262—33)



1. In a coal-cutting or like machine, a cutter chain comprising a plurality of pick boxes, saddles formed with spaced depending wings integral with said pick boxes, connecting links projecting at their ends between the spaced wings of the saddles and pivoted thereto, a substantially U-shaped guide channel for said chain, a retaining member at the bottom of said channel and projecting between the side wings of the saddles, shoulders projecting towards each other from the opposing faces of each pair of side wings, said shoulders engaging said retaining member, said shoulders forming a flat base for each saddle, and a socket in each chain link midway between its ends and shaped to receive a driving sprocket tooth.

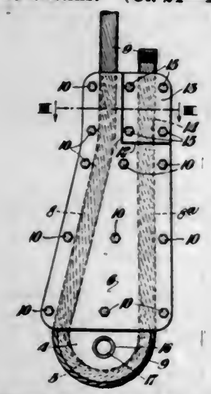
2,189,670
COAL CUTTING MACHINE
Oswald Floyd Lewis, near Sheffield, England, assignor of one-half to Newton, Chambers & Company Limited, near Sheffield, England, a corporation of Great Britain
Application June 22, 1938, Serial No. 215,261
In Great Britain June 24, 1937
7 Claims. (Cl. 262—30)



1. In an endless chain coal-cutting and like

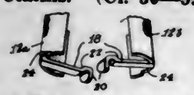
machine, a body containing a motor and gearing for driving the cutter chain, a rectangular jib frame projecting from the body, a replaceable section in the side of the jib frame remote from the body, an adjustable structure supporting the jib frame on the body, a chain driving sprocket adjacent said adjustable structure and driven by said motor and gearing, an endless cutter chain guided on said jib frame and engaging and driven by said sprocket, an adjustable guide sprocket adjacent said driving sprocket and engaging the chain, a bracket carrying said adjustable sprocket, and means for moving said bracket and adjustable sprocket in a direction parallel to the plane of said driving sprocket.

2,189,671
ROPE THIMBLE
Earle J. Mardis, Chicago, Ill.
Application March 24, 1939, Serial No. 264,045
13 Claims. (Cl. 24—125)



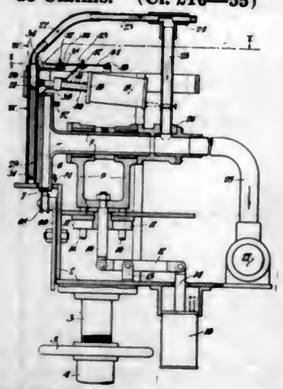
8. A rope thimble comprising a platelike member having a pair of spaced apart grooves arranged in one face longitudinally thereof, a similar plate-like member disposed oppositely from said first-mentioned member having a portion thereof cut away, said second-mentioned member having a pair of similar spaced apart grooves longitudinally arranged in the face thereof opposite the grooves in the first-mentioned member, and a third plate-like member disposed in said cut-away portion of said second-mentioned member, said third plate-like member having a single similar groove arranged therein opposite one of the grooves in said first-mentioned member, both of said second and third-mentioned members adapted to cooperate with said first-mentioned member to retain a rope therebetween.

2,189,672
LATCH
Angus A. Martin, Dorchester, Mass.
Application April 3, 1937, Serial No. 134,825
5 Claims. (Cl. 30—59)



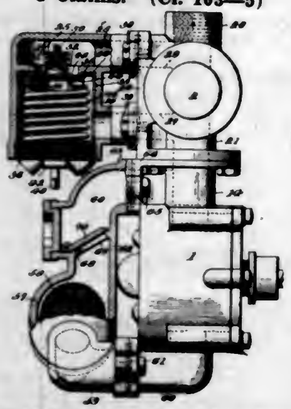
3. A device of the class described, comprising two elements connected together for movement into and from latched relation, two latches carried respectively by the two elements and each extending toward the other element, the latches being so contiguous to each other in the latched relation as to prevent substantial movement of the elements laterally toward each other, and a shoulder on each element contiguous to the outwardly facing edge of the latch carried by the other element whereby to prevent substantial movement of the elements laterally away from each other.

2,189,673
LABELING MACHINE
Owen A. McNamee, Worcester, Mass.
Application March 1, 1938, Serial No. 193,331
15 Claims. (Cl. 216—55)



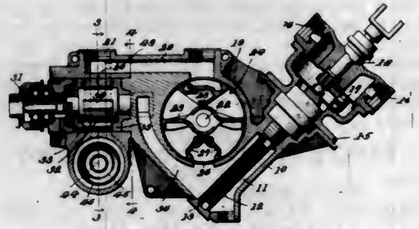
1. A label applying machine comprising means for holding a supply of labels, a reciprocable actuated suction means for selecting labels one at a time from said supply means, means for applying said labels to a continuous length article, and suction means for transferring said labels directly from said selecting means to said applying means.

2,189,674
FUEL DISTRIBUTING UNIT
Arthur L. Parker, Cleveland, Ohio
Application June 15, 1936, Serial No. 85,358
5 Claims. (Cl. 103—5)



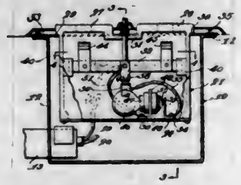
1. A fuel system comprising a power-operated self-contained pump including a casing having an intake port and a delivery port, a self-contained hand-operated pump including a casing having an intake port and a delivery port, the casing of the power-operated pump at the intake side thereof having a flange, and said casing of the hand-operated pump at the outlet side thereof having a similar flange, and means for securing said flanges together whereby the power-operated pump and the hand-operated pump may be separated as units, means for connecting the intake port of the casing for the power-operated pump to the outlet port thereof including a valve for permitting fuel to by-pass the power-operated pump when said pump is inoperative and fuel is delivered by the hand-operated pump, a housing directly and detachably connected to the casing of the hand-operated pump, said housing being connected to the intake port of the power-operated pump and to the intake port of the hand-operated pump whereby fuel may be supplied directly to the power-operated pump when the hand-operated pump is inoperative, and may be supplied to the hand-operated pump when the power-operated pump is inoperative, and a valve in said last-named housing for preventing the return flow of fuel from the outlet to the intake of the hand-operated pump when in operation.

2,189,675
FUEL DISTRIBUTING DEVICE
Arthur L. Parker, Cleveland, Ohio
Application October 19, 1936, Serial No. 106,462
2 Claims. (Cl. 103—4)



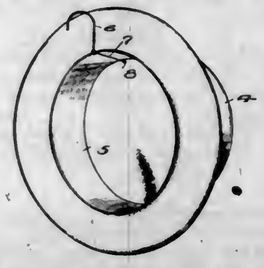
1. In a fuel distributing device, a housing formed in two sections joined by a suitable union, a hand-operated pump and a fuel supply well therefor in one of said sections, a power-operated pump and pressure control means therefor in the other of said sections, an independent passage leading from said well directly through the union to the power-operated pump, a check valve in said passage at the juncture between the two sections, and an independent passage through said union directly connecting the outlets of the two pumps.

2,189,676
ELECTRIC OUTLET CONNECTION
Lester J. Pfohl, Syracuse, N. Y.
Application June 8, 1938, Serial No. 212,555
8 Claims. (Cl. 240—2)



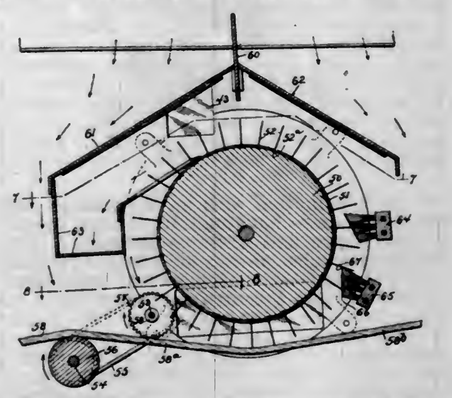
1. An electrical outlet device comprising in combination a housing provided with a pair of spaced apart slots in a wall thereof for the passage of prongs into the housing, a pair of contact members supported in said housing inwardly of said slots engageable by the prongs passed through the slots for closing an output circuit, illuminating means in said housing for illuminating said slots, and a lighting circuit within the housing leading from said contacts to said means and having interposed thereon a switch normally biased to an open position and controllable from the exterior of the housing.

2,189,677
HAT HANGER
Sam J. Plummer, Salix, Pa.
Application March 22, 1939, Serial No. 263,538
1 Claim. (Cl. 2—188)



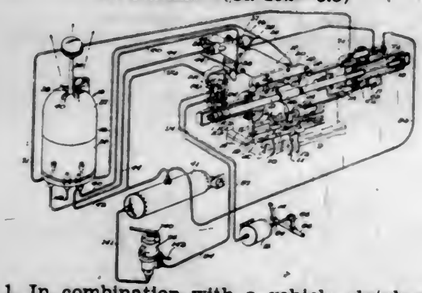
In combination with a hat having an inside band, flexible means anchored to the hat, on the inside of the latter, in close proximity to the band, a support engaging member secured to said means, the length of the flexible means being co-extensive with the width of the band, the length of the support engaging member being substantially co-extensive with the width of the hat brim to maintain the hat in contiguity to its support, said means and member being completely stowable beneath the inside band.

2,189,678
NUT CRACKING, GRADING, AND KERNEL SEPARATING MACHINE
Vincent L. Rodriguez, Los Angeles, Calif.
Application July 29, 1938, Serial No. 222,022
19 Claims. (Cl. 209—109)



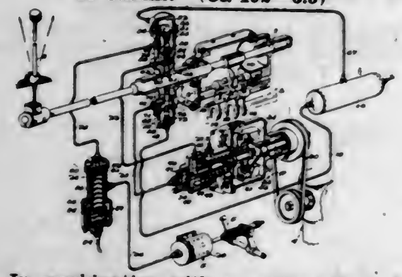
3. In a machine of the class described, a rotating picking drum having radially disposed circumferential rows of curved blunt-end picking pins, and a conveyor belt running beneath the drum in proximity to the pins thereof, in combination with rotating discs adjacent the conveyor at the ingoing side of the drum and projecting between the rows of pins, a roller over which said belt passes, the movement of the belt serving to turn said roller, power-transmitting connections between said roller and said discs, and means to drive said belt and said drum.

2,189,679
GEAR SHIFTING MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application January 3, 1936, Serial No. 57,410
22 Claims. (Cl. 192—3.5)



1. In combination with a vehicle clutch-controlling member and a shiftable transmission gear-changing element, a fluid motor for actuating said member, valvular means operable by initial movement of said element from neutral position for controlling the flow of energizing fluid to said motor and separate manually-controlled valvular means operable to supply energizing fluid to said motor through said first named valvular means.

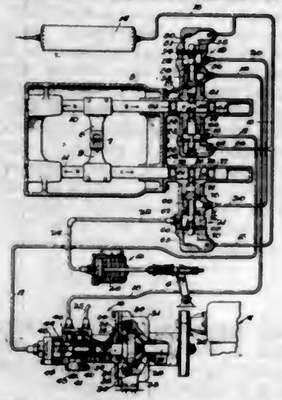
2,189,680
GEAR SHIFTING MECHANISM
Roy S. Sanford, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application October 28, 1937, Serial No. 171,568
16 Claims. (Cl. 192—3.5)



9. In combination with an automotive vehicle engine, a gear-changing mechanism including an oscillatable and shiftable element, a clutch-actuating member, means including a fluid motor for controlling the movements of said member, means including a centrifugally-controlled valve means for connecting said motor with a source of fluid pressure, valve means actuated by said mechanism for connecting the motor with the source, and a valve device actuated by the element during movement thereof to a predetermined position for disconnecting the centrifugally-controlled valve means from said source.

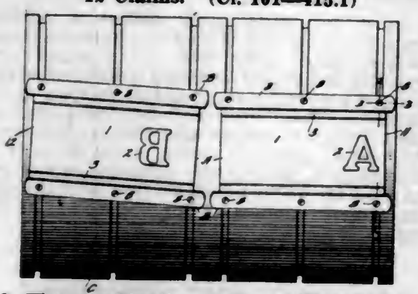
2,189,681
GEAR SHIFT MECHANISM
Roy S. Sanford and William J. Andres, Pittsburgh, Pa., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application October 28, 1937, Serial No. 171,569
15 Claims. (Cl. 192—3.5)

5. In combination with an automotive vehicle engine, a gear-changing mechanism including a plurality of shiftable elements, a clutch-actuating member, means including a fluid motor for controlling the movements of said member, means including a centrifugally-controlled valve means for connecting said motor with a source



of fluid pressure, valve means actuated by movement of said elements for connecting the motor with the source, and means actuated by the movement of one of the elements to a predetermined position for disconnecting the centrifugally-controlled valve means from said source.

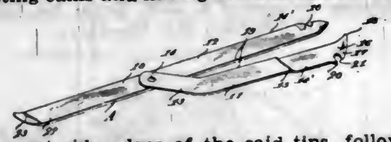
2,189,682
PRINTING PLATE AND ATTACHING MEANS
Julius Schmutz, Louisville, Ky.
Application August 31, 1936, Serial No. 98,777
12 Claims. (Cl. 101—415.1)



1. The combination with a flexible printing plate formed with fastening elements along two of its opposite edges, of a printing cylinder, a pair of clamping members disposed upon the surface of the cylinder, means in connection with the clamping members to engage over the fastening elements of the plate, said means being coextensive with the length of the plate, and coacting means between the clamping members and the surface of the cylinder to permit circumferential adjustment of the clamping members and the plate over said cylinder surface and their angular adjustment relative to the path of movement for the said circumferential adjustment, said coacting means including a series of spaced concentric grooves circumscribing the cylinder.

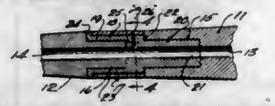
2,189,683
TIRE TOOL
Frederick E. Schultz, Decatur, Ill.
Application January 24, 1939, Serial No. 252,659
2 Claims. (Cl. 157—6)

1. A tool of the kind described comprising connected relatively movable flat-faced members disposed in side by side edge relation to each other, and outturned reversed laterally curved matched tips formed on the members for effecting reversely acting cams and having notches therein at the



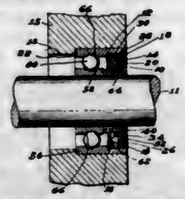
outermost side edges of the said tips, following the curvatures thereof and opening through the lowermost edges of the latter for receiving a rim edge of a vehicle wheel, one of the members being longer than the other with the tips next to each other.

2,189,684
SMOKE COOLING DEVICE
Henry Gordon Sprinkel, Harrisonburg, Va.
Application November 5, 1938, Serial No. 239,136
2 Claims. (Cl. 131—225)



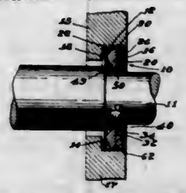
1. In a smoke cooling device for smoker's appliances, a one-piece body formed of a rear portion and a forward portion, said portions being of different outer diameters, said body being formed with a peripheral shoulder at the junction of said portions, said rear portion being provided in a part of the length thereof with a socket having its mouth at the rear end of such portion, said body being formed with an axial bore of uniform diameter, said bore opening at its rear end into said socket through the base wall of the latter and at its forward end at the forward end of said forward portion, said body being formed with an air vent opening at its outer end at the outer periphery of said body and arranged between the base wall of said socket and said shoulder, said vent being disposed at right angles to and opening at its inner end into said bore, said rear portion being provided at the rear end of its outer periphery with an annular rib, and a sleeve revolubly mounted on said rear portion having one end abutting said rib and provided with an opening for controlling communication of the vent with the atmosphere.

2,189,685
FLUID SEAL
Robert Stevenson, West Barrington, R. I., assignor to Sealol Company, a corporation of Rhode Island
Application April 6, 1937, Serial No. 135,300
5 Claims. (Cl. 286—7)



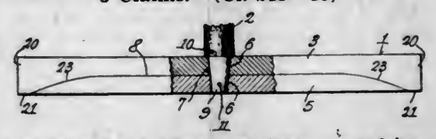
1. An oil seal for shaft and housing members comprising a radially disposed annular metal bearing surface associated with one of said members, and an annular assembly mounted for rotation relative to said bearing surface, said assembly including a ring having a metal oil seal bearing surface abutting said radially disposed bearing surface, a mounting member rigidly secured to said other member for confining said ring and having a radial wall axially spaced from a portion of said oil seal ring, and an oil impervious vulcanizable resilient ring vulcanized to said mounting member and compressed between said radial wall and said oil seal ring to force said oil seal bearing surface axially against said radial bearing surface.

2,189,686
COMBINATION FLUID SEAL AND BEARING
Robert Stevenson, West Barrington, R. I., assignor to Sealol Company, a corporation of Rhode Island
Application April 6, 1937, Serial No. 135,301
12 Claims. (Cl. 308—36.2)



1. A combination oil seal and bearing for use between shaft means and relatively rotatable housing bore means containing said shaft means, said shaft means and housing bore means having axially extending surfaces, and being secured against relative axial movement in one direction, comprising a collar adapted to be secured to one of said means and having an axial wall and a flange projecting radially therefrom, said flange having an annular finished bearing surface on a side wall thereof, a cup-shaped ring having a surface of a side wall thereof adapted to be secured to the other of said means to have the hollow interior of the cup thereof axially face said radial bearing flange, resilient oil seal means contained within said cup to continuously bear in use against said flange bearing surface to continuously function as an oil seal as said bearing surfaces wear in use, and retain said shaft means and housing bore means against relative axial movement in the opposite direction, the free axially extending wall of said cup axially overlapping and bearing radially against the axial wall of said collar to supplementally form a bearing.

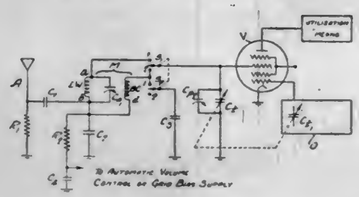
2,189,687
CHRISTMAS TREE STAND
Andrew Jackson Thomas, Mason City, Iowa
Application July 17, 1939, Serial No. 284,996
3 Claims. (Cl. 248—46)



1. A base for a Christmas tree, comprising an upper elongated member having a lower recess, terminated short of the ends of the upper member, to define feet, and an elongated lower member received in the recess, said members being provided midway between their ends with alined openings forming a socket for a connecting pivot element, the lower member fitting snugly in the recess of the upper member for movement relatively to the upper member, about the axis of the

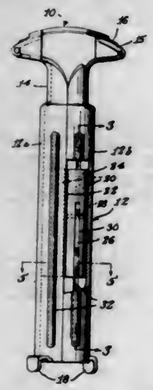
socket, said members being nestable and formed out of a single stick of material, the upper surface of the recess intersecting the lower surfaces of the feet along easy terminal curves, convexed toward the upper surface of the upper member, whereby the recess and the lower member can be formed rapidly, by a single band saw cut.

2,189,688
MULTIBAND RADIO RECEIVER
Harry E. Thomas, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 5, 1938, Serial No. 183,555
In Great Britain January 25, 1937
6 Claims. (Cl. 250—20)



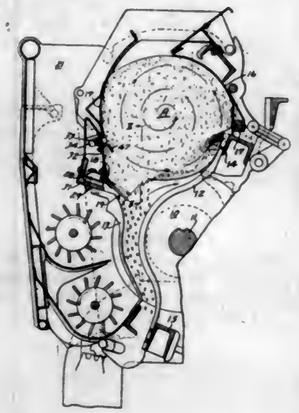
1. In a superheterodyne radio receiver, a signal channel, a source of signals, a plurality of tuning coils, there being some mutual coupling between said coils, a single means for tuning the coils to different frequencies in different wave bands, means including a switch for connecting different ones of said coils in the signal channel to transmit the desired signals in the different wave bands, and means including a padding condenser permanently connected in shunt with one of said coils for preventing the transfer of undesired signals associated with the desired signal being transmitted by another of said coils.

2,189,689
SAFETY RAZOR
Ralph E. Thompson, Brookline, Mass.
Application April 3, 1937, Serial No. 134,812
5 Claims. (Cl. 30—85)



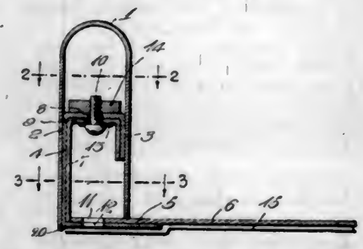
3. A safety razor comprising a blade holding head and an attached tubular handle embodying two semi-cylindrical sections, and a weight comprising two sections respectively within the handle sections and adjustable therealong for giving balance to the razor.

2,189,690
COTTON GIN
Clarence H. Tigner, Columbus, Ga., assignor to Lummus Cotton Gin Company, a corporation of Georgia
Application November 9, 1938, Serial No. 239,661
21 Claims. (Cl. 19—55)



15. In a cotton gin, in combination with the roll box with its roll of cotton, the main seed comb and the saw cylinder, an auxiliary seed comb mounted in the lower front wall of the roll box above the main seed comb and having teeth penetrating into the roll at the point where it is being opened up by the action of the saw cylinder thereon to comb the ginned seeds out of the roll.

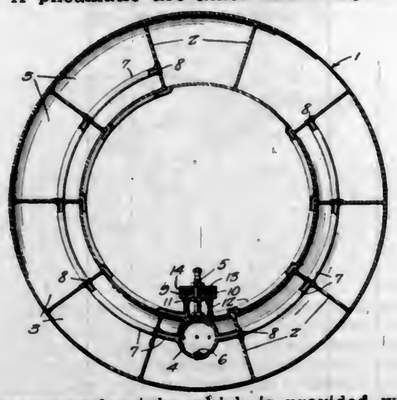
2,189,691
PLAYGROUND SLIDE
Paul D. Travers, Fond du Lac, Wis.
Application June 17, 1939, Serial No. 279,751
2 Claims. (Cl. 272—56.5)



1. A side rail construction for playground slides including an inverted U-shape flexible side rail, the outermost arm of said side rail being slightly longer than the inner arm thereof, a perforated locking and clamping plate supported in said side rail adapted to contact said locking plate and having its lower side extending across and beyond the lower ends of the side rail, a bedway formed with spaced slots along its edge adapted to be seated on the upper surface of the lower extended side of the clamping plate, threaded bolts placeable through the slots in the bedway and clamping plate adapted to be screwed through the upper portions of the locking and clamping plates, and a nut strip having a series of threaded openings adapted to coact with the threaded bolts, whereby the tightening of the bolts will positively clamp bedways of various thicknesses in position.

2,189,692
SAFETY INNER TUBE FOR AUTOMOBILE TIRES
William Van Buren and Nosmo Jones, Detroit, Mich.
Application April 28, 1937, Serial No. 139,604
3 Claims. (Cl. 152—338)

1. A pneumatic tire inner tube comprising a



unitary annular tube which is provided with a plurality of transverse closure walls therein forming air pressure chambers therebetween, one of said chambers comprising a distributing chamber, valve means for introducing air under pressure into said distributing chamber, means carried by the distributing chamber for admitting air simultaneously into each of the said air pressure chambers, and means communicating with each of said air pressure chambers and functioning to simultaneously deflate the same.

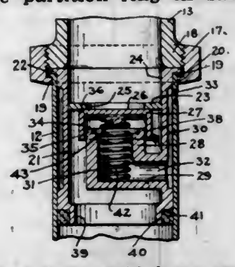
2,189,693
FOOT ADJUSTER
Kenneth B. Whitney, Toronto, Ontario, Canada
Application May 15, 1937, Serial No. 142,912
In Canada April 12, 1937
7 Claims. (Cl. 128—69)



1. In a structure of the character described, a base member having two substantially flat foot receiving surfaces sloping outwardly and downwardly from a middle ridge adapted to support the length of the feet with the feet inclined outwardly, and an elongated rib member extending transversely across and protruding above the flat foot receiving surfaces adapted to elevate the instep arch.

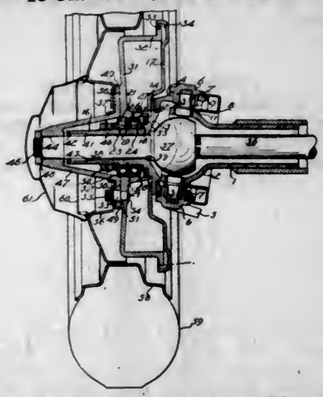
2,189,694
VACUUM BREAKER
Ernest W. Work, New Britain, Conn., assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application April 9, 1937, Serial No. 135,936
5 Claims. (Cl. 137—69)

5. In a vacuum breaker for a liquid supply system, a cylindrical casing adapted to be inserted tightly within a supply pipe having an aperture, said casing having a hollow interior boss, means for connecting the interior of said boss with said aperture to break the vacuum in said supply pipe, a transverse partition ring in said casing up-



wardly spaced from said boss, and a movable spring-pressed valve member normally engaging said partition ring to close the opening therein.

2,189,695
STEERING-DRIVE WHEEL ASSEMBLY
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application June 18, 1938, Serial No. 214,592
13 Claims. (Cl. 180—43)

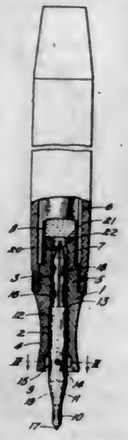


1. A steering-driving wheel assembly, comprising, an axle, a hollow spindle pivoted to said axle; a wheel assembly, including a relatively narrow hub portion; bearing means carried by the inner end of said spindle and associated with said hub portion, said bearing means alone being incapable of providing adequate lateral stability for said wheel assembly and said spindle extending outwardly beyond said hub for an appreciable distance; a drive shaft journaled in said hollow spindle at a point spaced axially from said bearing means and projecting beyond its outer end; and means for rigidly connecting said hub portion to said drive shaft, whereby said wheel assembly is supported by said bearing means and laterally stabilized by said drive shaft.

2,189,696
STYLOGRAPHIC PEN
Arthur Edward Andrews, Hackney, London, and William Frederick Johnson, London, England, assignors to Mentmore Manufacturing Co. Limited, Hackney, London, England, a company of Great Britain
Application December 13, 1938, Serial No. 245,490
In Great Britain February 18, 1938
8 Claims. (Cl. 120—44)

1. Stylographic pen, particularly a self-filling stylographic pen, comprising a tubular point sec-

tion having a relatively wide mouth, a tubular tip fixed in the said mouth and a fine-bore tube,



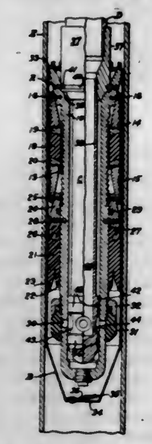
which constitutes the writing point, formed with the said tip as one integral part of non-corrodible metal.

2,189,697

CEMENT RETAINER

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application March 20, 1939, Serial No. 262,849
18 Claims. (Cl. 166—12)



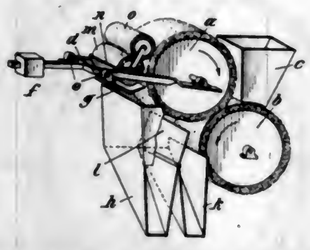
1. In a device of the character disclosed, the combination of a body adapted to be lowered into a well casing and through which fluid may be pumped, means carried by said body and operable to grip the casing wall, packing means carried by said body and operable to effect a fluid-tight seal between said body and the casing wall, said body having an axial bore closed at its lower end and transversely aligned lateral discharge ports formed in its side wall above the lower end of said bore, and a back-pressure valve surrounding said body to normally cover and close said discharge ports against reverse fluid flow therethrough and adapted to be moved by a predominant internal pressure to an open position permitting discharge of the pumped fluid outwardly through said ports.

2,189,698

METHOD OF MECHANICALLY SEPARATING MINERAL MIXTURES

Ernst Bierbrauer, Leoben, Austria, assignor of one-half to Metallgesellschaft A. G., Frankfort-on-the-Main, Germany

Application September 22, 1937, Serial No. 165,220
In Austria January 21, 1937
11 Claims. (Cl. 209—49)



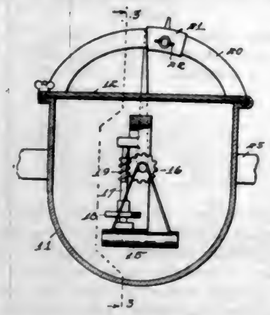
1. In the process of surface concentration of mineral substances of at least 3 mm. diameter having hydrophile and hydrophobe constituents, the steps comprising wetting said mineral substances, bringing said wetted mineral substances into contact with a tacky solid adhesion mass normally capable of adhering thereto only one of said wetted constituents and applying a pressure therebetween through a body of sponge rubber, releasing said pressure to cause the non-adhering substances to drop off from said adhesion mass, and thereafter detaching the adhering substances from said adhesion mass.

2,189,699

SLOPE GAUGE FOR GRADERS

Daniel Q. Blunk, Fort Dodge, Iowa

Application January 23, 1939, Serial No. 252,239
1 Claim. (Cl. 33—220)



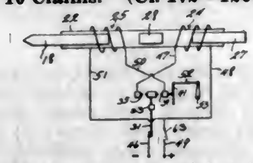
A slope gauge for graders, comprising a casing, an indicator shaft mounted for rotation in the casing, a weighted pendulum fixed to the indicator shaft, an indicator hand fixed to the indicator shaft, an inertia shaft rotatably mounted in the casing at right angles to the indicator shaft, a worm gear fixed to the indicator shaft and a mating worm gear fixed to the inertia shaft, the relative proportions of the said worm gears being such as to greatly increase the speed of rotation of the inertia shaft relative to the indicator shaft, and the relative proportions of the weighted pendulum and the weighted inertia disc and the friction of the worm gears being such as to prevent movement of the indicator hand during the passage of a grade to which the indicator is applied over rough surfaces.

2,189,700

ELECTRICALLY OPERATED HAMMER

James F. Britten, Ernest S. King, and Phillip L. Baumgard, Port Arthur, Tex., assignors to Sabine Steel & Construction Corporation, Port Arthur, Tex., a corporation of Texas

Application July 9, 1938, Serial No. 218,432
10 Claims. (Cl. 172—126)



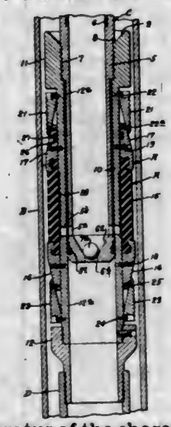
7. A percussion tool, comprising two coaxially disposed spaced solenoid coils arranged in fore and aft relation in the tool, an impact receiving body at and within the forward end of the forward coil remote from the other coil, a magnetically attractable percussion body arranged for movement along said axis under the magnetic influence of the coils when the same are alternately energized, switching means for effecting the alternate energization of the coils, comprising a forward terminal electrically connected with one side of the aft coil and a rear terminal electrically connected with one side of the fore coil, a current conductor mounted for free vibratory movement between said terminals and adapted to electrically contact the same, the said conductor being adapted for connection with one side of a source of electric potential and being arranged between the coils in position to be acted upon by the magnetic fields of the coils as the same are alternately energized, and the other side of said source being electrically connected to the other sides of the coils.

2,189,701

PRODUCTION PACKER AND LINER HANGER

Clarence E. Burt and Eugene Graham, Jr., Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application April 21, 1939, Serial No. 269,120
16 Claims. (Cl. 166—12)



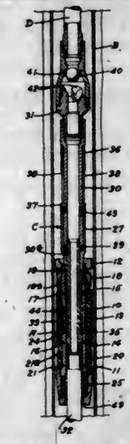
1. An apparatus of the character described comprising a tubular hollow member with an uninterrupted bore extending longitudinally therethrough of a substantially constant diameter from end to end, means for connecting a suspended tubing to the lower end of said member, slips mounted on said member, means capable of being released connecting said slips to said member and maintaining them in an ineffective position, a packing sleeve mounted on said member and capable of being hydraulically actuated to release said means and thereby trip said slips, the upper end of said member adapted to be detachably connected to the lower end of a string of running in tubing, and a tubular setting mandrel connected with said running in string of tubing and projecting into said bore, said mandrel and said tubular hollow member having cooperating flow means enabling hydraulic pressure built up in said mandrel to actuate said packing sleeve.

2,189,702

WELL CEMENTING MECHANISM

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application May 5, 1939, Serial No. 271,937
22 Claims. (Cl. 166—12)



1. In an apparatus of the nature disclosed, a packer body having a longitudinal bore and lateral ports communicating therewith, means operable to anchor said body in a well casing, a packing sleeve surrounding said body and expansible by fluid pressure transmitted through said ports to actuate said anchoring means, a tubular mandrel normally extending through said bore and including a fluid discharge tailpipe depending below said body, said mandrel being adapted for connection to a run in string of tubing and providing an axial flow passage and lateral flow passages communicating with said body ports, means for valving said axial passage below said lateral passages to enable a build up of hydraulic pressure to expand said packing sleeve, said valving means being capable of being subsequently actuated by an additional build up of hydraulic pressure to reopen said axial passage, and means detachably connecting said mandrel to the packer body and releasable to permit the mandrel to be withdrawn from the anchored packer body.

2,189,703

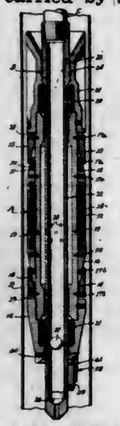
WELL PRODUCTION APPARATUS

Clarence E. Burt and Eugene Graham, Jr., Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application July 25, 1939, Serial No. 286,324
6 Claims. (Cl. 166—12)

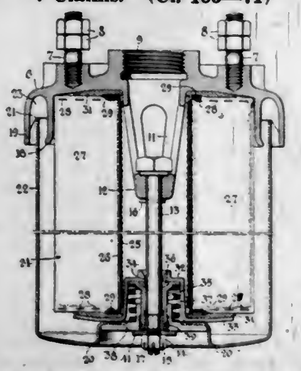
1. A well packer, including a main body having

an upper head and a guide below said head, said body having a passage extending through it, means carried by said body for securing it to a casing, a packing carried by said guide within



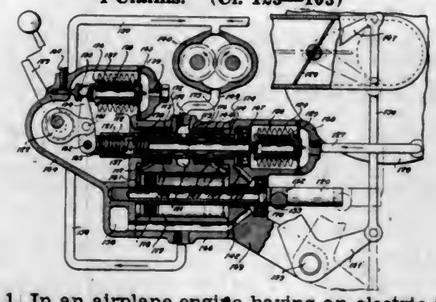
said passage for peripheral slidable sealing contact with a device adapted to extend therethrough, said head having a seat upon which said device is adapted to rest and effect a second seal.

2,189,704
FILTER
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 18, 1938, Serial No. 191,324
7 Claims. (Cl. 183—71)



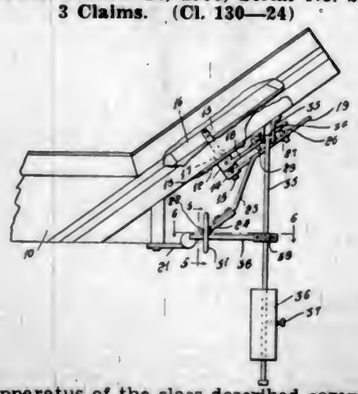
1. The combination of a filter body of generally annular form having a longitudinally extending passage open at its ends, said body comprising a plurality of flat, radially-disposed, longitudinally-extending hollow vanes communicating with said passage in the body and formed by a zigzag-folded, foraminous framework and a fabric cover sustained thereby and conforming thereto, said fabric cover completely covering the exterior of the filter body, including the ends of the vanes, the cover fabric on each pair of adjoining vanes, at both ends of the filter body, being further extended over a portion of the end adjacent the junction of said vanes to form a radially-disposed tab folded in prolongation of the inner fold of said pair of vanes, said folded tabs also being folded towards said body to provide an annular overlapping series of tabs at each end of the body; annular sealing gaskets in engagement with the ends of said body, including said tabs; a head portion having an air connection and an annular seat for one of said gaskets surrounding said connection; and means, carried by the head portion, closing the opposite end of the passage in said body and having an annular surface engaging the other of said gaskets to clamp said gaskets, filter body and seat together in close sealing engagement.

2,189,705
AIRPLANE ENGINE CONTROL
Milton E. Chandler, Detroit, Mich.
Application May 2, 1938, Serial No. 205,543
4 Claims. (Cl. 123—103)



1. In an airplane engine having an electric ignition system, an air entrance, a throttle valve therein, automatic throttle control means comprising a source of fluid pressure, a cylinder, a piston therein, means connecting said piston with said throttle, a slide valve, manual means for moving said slide valve, a port controlled by said slide valve communicating with said cylinder, said port being adapted to apply the fluid pressure to said cylinder to move said throttle, electro-magnetic means inoperative when the ignition system is operative, said electro-magnetic means being adapted when the ignition circuit is open to engage with said piston to hold said piston in a position in which the throttle is in the position for starting the engine.

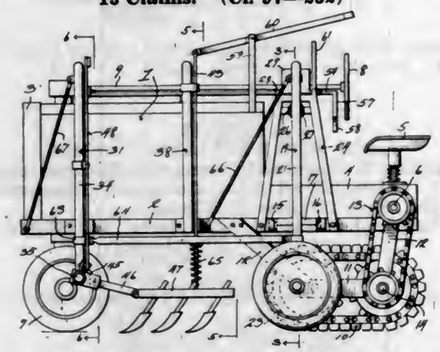
2,189,706
AUTOMATIC SIDE HILL EQUALIZER ATTACHMENT FOR GRAIN COMBINES
Frank J. Clipston, Farragut, Iowa, assignor of one-half to Sigurd Enemark and June Clipston Enemark, both of Omaha, Nebr.
Application October 12, 1938, Serial No. 234,679
3 Claims. (Cl. 130—24)



1. Apparatus of the class described comprising an attaching plate having bearings, shafts journaled in the bearings, distributor blades carried

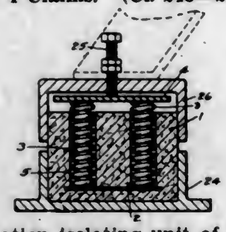
by the shafts on one side of the plate, cranks extending from the shafts on the other side of the plate, a mounting member, slidable means mounted by said mounting member, an arm extending from the slidable means, connections from the arm to the cranks, said slidable means having a slot, and weighted means controlled by the level of a vehicle to which it is attached, the last mentioned means extending through said slot.

2,189,707
CULTIVATOR MECHANISM
John T. Covington, Durant, Okla.
Application March 18, 1939, Serial No. 262,722
13 Claims. (Cl. 97—232)



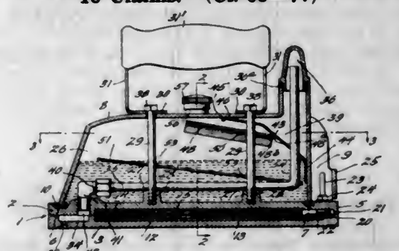
1. A cultivator mechanism for standing plants, comprising a tractor unit having tandem ground engaging traction means, a plant row straddling frame disposed at each side of said tractor at the forward end thereof and secured thereto, a wheel supported plant row straddling frame at each side of the tractor adjacent the rear thereof, the wheels of said latter frame engaging the ground at the far sides of plant rows between which the tractor passes, and a cultivator unit coupled with each of said first-mentioned frames in advance of said wheels.

2,189,708
VIBRATION-ISOLATOR
John J. Coyne, Forest Hills, Long Island, N. Y.
Application October 8, 1937, Serial No. 168,048
4 Claims. (Cl. 248—21)



1. A vibration isolating unit of the type having a base and a cover, with a relatively large area in the interior between the base and cover, with the cover spaced from and also isolated from the base, a relatively thick slab of resilient material with wells therein substantially filling the open area between the base and cover inside of said isolating unit, a plurality of spring members freely mounted in the wells in the slab of resilient material and perpendicularly positioned between bearing plates, with one plate upon which the spring members rest embedded in the slab and the other positioned above the said slab and vertically movable in relation to the slab and spring members, said unit characterized in that the wells in the slab of resilient material in which the said spring members are freely mounted extend upward from said embedded plate, preventing buckling and lateral movement of said spring members, and also in that the upper surface of the slab extends upward to a point corresponding with the position of the said movable bearing plate with the spring members compressed under load, thereby assisting said spring members in taking the load and absorbing lateral and other vibrations of said spring members and movable bearing plate, said spring members extending upward above the upper surface of the slab when in the free position and adapted to be compressed under load until the movable bearing plate engages the upper surface of the slab.

2,189,709
ELECTRIC STEAMING IRON
Donald A. Deems, St. Louis, Mo., assignor to Ernest F. Pohl, St. Louis, Mo.
Application July 13, 1936, Serial No. 90,429
18 Claims. (Cl. 38—77)



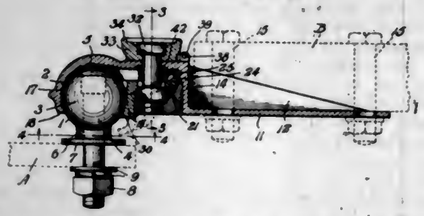
2. In a self-contained steam generating pressing iron having a pressing face, in combination, a water reservoir having a top, bottom, and ends, means for conducting steam from the upper part of the reservoir to the pressing face of the iron, and an inclined baffle located in the reservoir and extending longitudinally of the iron the major part of the length of the reservoir and terminating short of the ends of the reservoir and spaced from the bottom of the same and arranged at an inclination to form inclined longitudinal passages communicating with each other at the ends of the reservoir for causing a continuous circulation of the entire body of water within the reservoir from one end of the iron to the other end thereof when the water is heated, the water in one passage moving in one direction longitudinally of the iron and the water in the other passage simultaneously moving in the opposite direction longitudinally of the iron and said baffle being located in the path of and adapted to break up air pockets in bubbles to prevent expansion of the water and reduce active ebullition of the same whereby boiling of water within the reservoir is reduced to prevent the water from boiling into the means for conducting steam from the reservoir to the pressing surface of the iron.

12. A steaming and pressing iron including a cast iron base having a pressing face, and an aluminum shell mounted on the base and forming with the base a reservoir, said shell having a different coefficient of expansion from that of the base, heating means for heating water within the reservoir for the purpose of generating steam and also for heating said pressing face, said aluminum shell permitting rapid radiation of heat for assisting in controlling the temperature of the water within the reservoir without interfering with the efficiency of the heat holding

characteristics of the base for maintaining the pressing face at the desired temperature, and means for forming a leakproof expansible joint between the aluminum shell and the cast iron base, whereby unequal expansion and contraction of the base and the shell are permitted and leakage of water from the reservoir prevented.

13. A steaming and pressing iron including a base having a pressing face, a shell mounted upon the base and provided with a steam dome, an inclined partition located beneath the steam dome and dividing the interior of the shell into a reservoir and a separate steam chamber and having steam inlet openings at its upper portion to permit steam to pass from the reservoir into the steam chamber and the steam dome, a steam pipe extending downwardly from the steam dome and passing through the inclined partition and extending along the lower portion of the reservoir and communicating with the pressing face for conducting steam to the same, a lower inclined baffle plate extending longitudinally of the water reservoir and having its lower end straddling the upright portion of the steam pipe, said lower baffle plate forming passages for causing the circulation of water within the reservoir when the same is heated, and an upper splash plate spaced from the lower baffle plate and from the partition and located below the steam inlet openings thereof for preventing water from being splashed through the said openings by the movement of the iron when the same is in use.

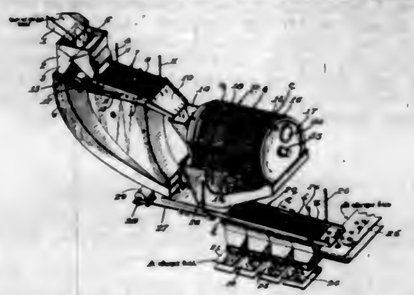
2,189,710
HITCHING DEVICE FOR TRAILERS
Lloyd H. Draeger, Milwaukee, Wis.
Application May 20, 1936, Serial No. 80,861
11 Claims. (Cl. 280—33.17)



4. In a vehicle coupling including a male member, a socket member formed with an elongated recess, one end portion of said recess being shaped to seat said male member and the other end portion of said recess being defined by a substantially vertical wall portion, freely floating means for adjustably securing said male member in said recess, said means and said socket member having inter-engaging parts adjacent said vertical wall portion, and means for retaining the members in adjusted position.

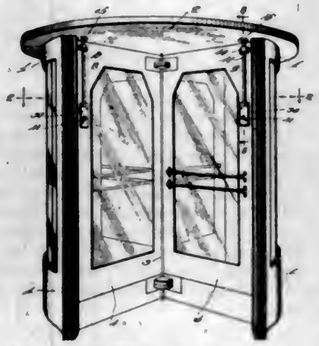
2,189,711
METHOD FOR PREPARING COAL
John L. Eigenbrot, Upper Darby, Pa., assignor to Westmoreland Coal Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 26, 1938, Serial No. 204,435
4 Claims. (Cl. 209—6)

1. The method of preparing coal which comprises advancing a mass of coal of assorted sizes progressively through a series of selective separating stages arranged to separate out coal of increasing size progressively through the series, continuously subjecting said coal to physical breaking forces while in the separating stages to reduce the coal into pieces which increase in strength and size as during progress of said coal through said



stages, and selectively separating out the reduced coal from the separating stages.

2,189,712
LOCK FOR REVOLVING DOORS
Thurloe M. Hagenbook, Evansville, Ind., assignor to International Door Company, Evansville, Ind., a corporation of Illinois
Application May 13, 1938, Serial No. 207,816
13 Claims. (Cl. 70—134)



1. A lock comprising a rectangular frame, a rectangular hollow body member slidable unilaterally in said frame and having extended face plates secured thereto on opposite sides of said frame for retaining said body member within said frame, bar means connected with the slidable assembly of face and body members, latching means between said body member and said frame, and lock means in said body member for controlling said latching means; said lock means comprising dual cylinder locks mounted on opposite sides of said body member in axially displaced positions on opposite sides of said latching means, said locks thereby being in similar operative relation with respect to said latching means.

2,189,713
HANDLING TOOL
Jacob Anton Hansen, Hampton, Iowa
Application May 1, 1939, Serial No. 271,216
2 Claims. (Cl. 294—19)

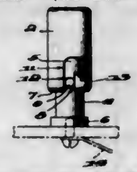
1. An improvement in tools for handling cylindrical objects comprising a shaft, an arm pivotally connected to said shaft with an end of each adjacent one another, means tending to pivot said arm from said shaft a limited distance, a straight plate extending longitudinally from the end of said shaft adjacent said arm end and carried by a face of said shaft away from said arm,

and a curved plate extending longitudinally from the end of said arm adjacent said shaft end and



carried extending towards said straight plate by a face of said arm away from said shaft.

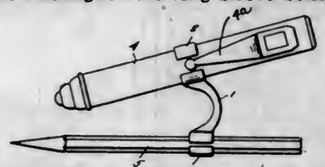
2,189,714
ELECTRICAL BINDING POST
Alfonso Hilado, Silay, P. I.
Application April 18, 1939, Serial No. 268,590
3 Claims. (Cl. 173—259)



2. The improvement in binding posts of the type comprising a post member, a sleeve member mounted upon said post member and slidable and rotatable with respect thereto, and a spring operatively interposed between said post member and sleeve and compressible by the latter against the top of the post member; wherein said post member is provided with a hole for receiving an electrical conductor and with an abutment, and wherein said sleeve is formed with a flange to engage said abutment and is provided with a slot adapted to receive said conductor, said slot having a portion adjacent the inner end of said sleeve normally in register with said hole and extending in a direction enabling said spring to be compressed between said post member and said sleeve while the conductor is positioned in said hole, said slot also having a portion spaced from the inner end of said sleeve adapted to be brought into register with said hole when said spring is compressed and said sleeve is rotated relatively to said post member, said last named portion of the slot providing a shoulder adapted to be maintained in engagement with the conductor by said spring to clamp the conductor to the post.

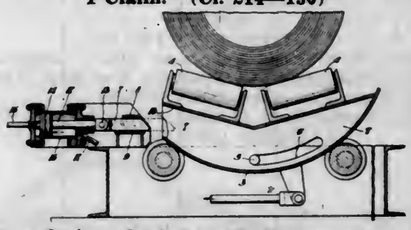
2,189,715
CONNECTOR YOKE FOR FLASHLIGHTS
Selmer Edwin Hoiseth, Willmar, Minn.
Application September 19, 1938, Serial No. 230,672
1 Claim. (Cl. 24—81)

A connector for use on a pencil to secure a pocket flashlight thereto having a lengthwise extending clip thereon, said connector comprising a bar-like shank terminating in a pair of split resilient sleeves at opposite ends thereof, respectively, of relatively different diameters for clampingly and slidably receiving the pencil and flashlight, respectively, said sleeves being disposed in axially converging relation to direct the beam from said light onto the point of the pencil, and the flashlight-receiving sleeve being of a di-



ameter to receive the clip of said light in the split thereof whereby said light may be anchored to said sleeve against turning therein, and said shank being bowed to curve rearwardly and provide a convenient finger-grip for sliding the connector rearwardly on the pencil into selected position.

2,189,716
SAFETY LATCH FOR COIL TILTERS
Steven Kash, Gary, Ind.
Application June 16, 1938, Serial No. 214,086
1 Claim. (Cl. 214—130)



In a device adapted to tilt for removing articles therefrom, a latch for preventing unintentional tilting of said device comprising, in combination, a movable bar arranged along the side of said device, said device having an aperture in the side thereof for receiving the inner end of said bar, means for supporting and guiding said bar in its movement, a double-acting air-cylinder arranged adjacent the outer end of said bar with the outer end of the bar being removably attached to the end of the connecting rod thereof, said air-cylinder adapted to move and normally retain said bar in the aperture in said tilting device to prevent the tilting thereof and to retract the same therefrom to permit the tilting of the device.

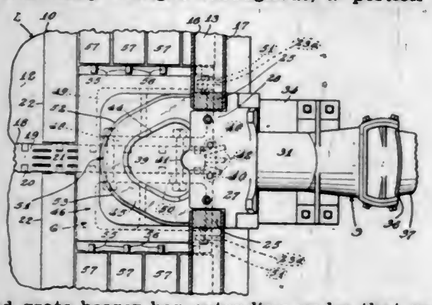
2,189,717
VULCANIZATION OF RUBBER
Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1936, Serial No. 73,343
9 Claims. (Cl. 260—792)

1. The process of accelerating the vulcanization of rubber which comprises vulcanizing in the presence of 2-mercapto quinoline.

2,189,718
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., asssignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application May 5, 1937, Serial No. 140,828
9 Claims. (Cl. 110—104)

9. In a firebox having an upstanding wall pro-

vided with an opening therein, the combination of a grate bearer bar in the lower portion of said firebox, a stoker conduit passing through said opening into said firebox, said grate bearer bar extending longitudinally of the firebox and being substantially straight throughout, a portion of



said grate bearer bar extending under that portion of the conduit within the firebox, a protective grate embracing such portion of the conduit, said protective grate being supported by said grate bearer bar, and means at each side of said grate bearer bar forming additional support means for said protective grate.

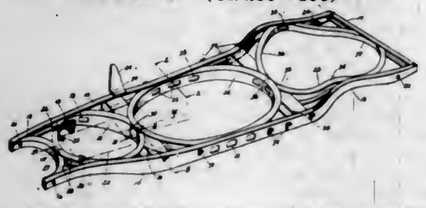
2,189,719

AUTOMOBILE FRAME

Robert H. Wallace, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application July 12, 1937, Serial No. 153,085

14 Claims. (Cl. 280—106)



1. An automobile frame comprising a pair of longitudinal side rails, and a plurality of independent endless looped members rigidly connecting the rails and rigidly connecting one another to relieve the rails from concentrated strains and to uniformly distribute stress throughout all parts of the frame, one of said looped members being arranged substantially in the central portion of the frame.

2,189,720

VULCANIZATION OF RUBBER

George W. Watt, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 24, 1936, Serial No. 107,465

18 Claims. (Cl. 260—788)

4. The process of accelerating the vulcanization of rubber which comprises vulcanizing the same in the presence of a thiuronium 2-arylenethiazyl sulphide.

2,189,721

DIBENZYL HEXAHYDRO PHTHALATE

Charles F. Winans, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 2, 1937, Serial No. 167,027

1 Claim. (Cl. 260—485)

Dibenzyl hexahydro phthalate.

2,189,722

ESTERS OF HEXAHYDRO PHTHALIC ACID

Charles F. Winans, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 2, 1937, Serial No. 167,028

5 Claims. (Cl. 260—485)

1. Di (alkoxy alkyl) esters of hexahydro phthalic acid.

2,189,723

HYDROGEN ESTER SALTS OF GLUCOSIDES AND PROCESS FOR PREPARING THE SAME

Max Bockmühl and Gustav Ehrhart, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 27, 1936, Serial No. 87,801. Renewed June 17, 1939. In Germany July 3, 1935

8 Claims. (Cl. 260—210)

1. The process which comprises causing phosphorus oxychloride to act upon digitoxine.

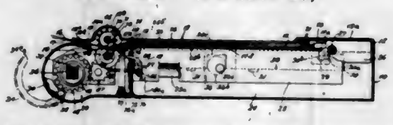
2,189,724

MANIFOLDING REGISTER

Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application May 2, 1936, Serial No. 77,502

6 Claims. (Cl. 282—16)



1. In a manifolding machine for record strips having cut-away portions at form-length intervals therealong with all said cut-away portions in line along the strip to define a band-portion of the strip running longitudinally thereof, a strip-advancing means comprising solely a strip-overlying roller and a strip-underlying roller; a manual actuator for said rollers; mounting means for said rollers for maintaining them constantly in strip-advancing adjacency during and between successive strip advancements, said rollers being so shaped that they are constantly out of engagement with said band-portion of the strip; a strip-arresting means including a detent for engaging a cut-away portion of a strip at the completion of an operation of said strip-advancing means to advance a strip a sufficient amount to bring a cut-away portion of the strip to a location approximately vertically below the axis of the upper roller; and a second manual actuator for freeing the detent from its said engagement during initial operation of the first-mentioned manual actuator while the latter is operating the strip-advancing means.

2,189,725

AGE RESISTER

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 30, 1937, Serial No. 123,276

12 Claims. (Cl. 260—809)

1. The process of improving the age-resisting properties of rubber which comprises incorporating therein the composite reaction product obtainable by reacting a primary amine with mixed phenolic bodies prepared from a coal tar oil fraction boiling between the approximate limits of 170° C. and 350° C.

2,189,726

METHOD OF PURIFYING BENZOIC ACID

Courtney Conover, St. Louis, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application June 16, 1930, Serial No. 461,659

6 Claims. (Cl. 260—525)

1. In the purification of benzoic acid containing phthalic acid impurities the steps comprising scrubbing the crude molten benzoic acid with a non-basic aqueous liquid medium capable of dissolving phthalic acid and subsequently separating the aqueous medium from the scrubbed benzoic acid.

2,189,727

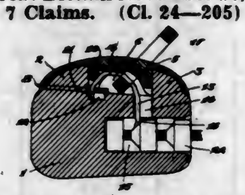
SEPARABLE INTERLOCKING FASTENER

George H. C. Corner, Sutton Coldfield, England, assignor to Talon, Inc., a corporation of Pennsylvania

Application November 16, 1938, Serial No. 240,775

In Great Britain November 26, 1937

7 Claims. (Cl. 24—205)



1. A slider for slide fasteners of the class described comprising a body member of non-metallic material having a fastener member receiving channel, a bridge secured to the upper surface of the body member and a locking member hinged at one end beneath the bridge, said locking member having the form of a substantially U-shaped lever with a hinge pivot at one end, and at the other end a substantially rigid locking prong adapted to extend into the channel of the slider in one position of the locking member, the vertical height of said locking member being substantially greater than half its length, the arm of the U having the locking prong being of a greater length than the other arm, and a pull having a portion extending under said bridge and locking member for operating the slider.

2,189,728

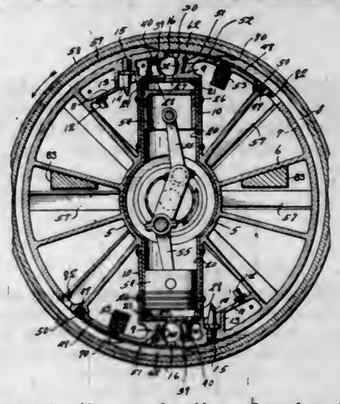
ROTARY INTERNAL COMBUSTION ENGINE

Charles D. Daniels, Mountainair, N. Mex., assignor of one-fourth to Ralph Waldo Lidzey, Mountainair, N. Mex.

Application July 13, 1937, Serial No. 153,453

9 Claims. (Cl. 123—8)

1. An internal combustion engine of the character described, comprising a crank casing, a crank shaft extending through said casing, the shaft having cranks within the casing and having ends projecting through opposite walls of the same, a pair of diametrically oppositely arranged radially extending compressor cylinders connected with the casing, a piston in each of said cylinders operatively coupled with a crank of said shaft, means forming a continuous annular combustion chamber encircling the casing and cylinders and arranged concentrically with the shaft, a pair of piston-vanes arranged at opposite points in said combustion chamber, means for partitioning said combustion chamber at timed intervals relative to the piston-vanes, means for introducing fuel into said cylinders to be compressed by the pistons therein, valve controlled means for transferring compressed fuel from the outer end of each cylinder directly longitudinally of the



cylinder into the combustion chamber between the partitioning means and an adjacent piston-vane, means for igniting the introduced fuel mixture and for exhausting the products of combustion therefrom, and means coupling the piston-vanes with the crank shaft whereby the power movement imparted to the vanes will be transmitted to the shaft.

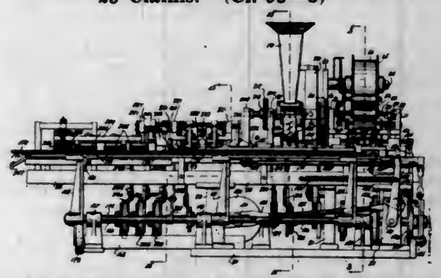
2,189,729

PACKET MAKING AND FILLING MACHINE

Harry L. Evans, Newport, R. I., and George I. Hohl, Brooklyn, N. Y.

Application November 20, 1937, Serial No. 175,616

25 Claims. (Cl. 93—3)



1. In a machine of the kind described, in combination, a conveyer means carrying a plurality of push-plates, a table plate along which said push-plates are successively moved in operative direction by said conveyer means, means to supply sheet material across the receiving end of said table plate subject to be engaged and folded longitudinally about the push-plates as the same move onto and along said table plate and so as to provide superposed side marginal portions freely projecting beyond the sides of the push-plates, folder mechanisms bordering opposite sides of said table plate adapted to engage and flatten together said superposed side marginal portions of said folded sheet material and thereupon double over the same inwardly upon themselves to form flat folded side closure seams, thereby converting said material into envelope-like packets open at one end, means to strip the packets from

said push-plates, means to shift the packets to upstanding positions, runway means, means to transport the packets through said runway means, a packet filling mechanism bordering said runway means, and folder mechanism bordering said runway means adapted to engage the open end portions of said packets and thereupon double the same inwardly upon themselves to form and close the same by flat folded end closure seams.

2,189,730

PRODUCTION OF VERMIN KILLERS

Alfred Esch, Landsberg-on-the-Warthe, Germany
Application September 21, 1937, Serial No. 164,956
1 Claim. (Cl. 167—41)

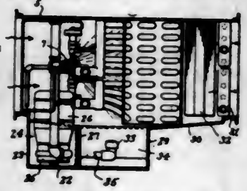


A vermin killer agent, comprising a mixture of 1000 parts of flowers of sulphur and 30 parts of pulverised sepia and at least one wick impregnated with solid spirit and embodied in the said mixture.

2,189,731

SPRAYED EVAPORATOR

Milton E. Hanson, Collingswood, N. J., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application August 13, 1938, Serial No. 224,756
9 Claims. (Cl. 62—129)



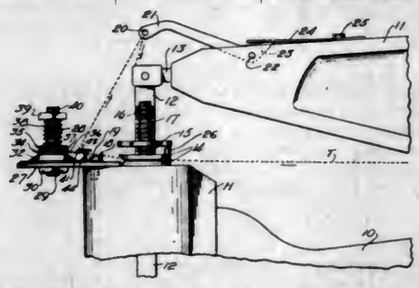
1. An air cooler comprising a casing, means forming an air inlet in said casing, a plurality of groups of evaporator tubes extending crosswise said casing, a plurality of expansion valves for said groups, spray nozzles adjacent the air inlet end of said casing for spraying water upon said tubes, means forming a sump in said casing, and means connected to said nozzles for supplying water from said sump to same.

2,189,732

THREAD TENSIONING ATTACHMENT FOR SEWING MACHINES

Harpster H. Howell, Brighton, Mich.
Application June 20, 1938, Serial No. 214,789
1 Claim. (Cl. 112—59)

A detachable supplemental tensioning device operatively associated with a standard tensioning device and take-up arm of a sewing machine, the supplemental tensioning device comprising a supporting plate having a portion thereof detachably secured to the sewing machine head forwardly of the standard tensioning device and the remaining portion of the plate overhanging the forward face of the head, a thread tensioning structure secured to the overhanging portion of the plate, a pair of spaced thread guides carried by and extending upwardly from said plate, said guides being disposed on opposite sides of a vertical plane extending centrally through said tensioning structure and said take-up arm, the sewing machine thread normally engaging the standard tension and the take-up arm and the



guides serving to direct the thread from the standard tensioning device to the supplemental tensioning device and therefrom to the take-up arm.

2,189,733

RESIN BONDED ABRASIVE ARTICLE

Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 28, 1938, Serial No. 187,550
4 Claims. (Cl. 51—280)

1. As an article of manufacture, an abrasive body comprising abrasive grains bonded with copolymerized methyl methacrylate and ethylene glycol dimethacrylate.

2,189,734

RESIN BONDED ABRASIVE ARTICLE

Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 28, 1938, Serial No. 187,551. Renewed October 31, 1939
4 Claims. (Cl. 51—280)

1. As an article of manufacture, abrasive grains bonded with the copolymer of methyl methacrylate and methacrylic acid.

2,189,735

RESIN BONDED ABRASIVE ARTICLE

Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 28, 1938, Serial No. 187,552. Renewed October 31, 1939
6 Claims. (Cl. 51—280)

1. An abrasive body comprising abrasive grains bonded with methyl methacrylate copolymerized with allyl methacrylate.

2,189,736

AGE RESISTOR

Werner M. Lauter, Kalamazoo, Mich., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1935, Serial No. 15,375
12 Claims. (Cl. 260—809)

1. A method of preserving rubber which comprises curing a rubber composition of vulcanization characteristics in the presence of an anti-

oxidant consisting of a reaction product of turpentine, a primary aromatic amine, and a salt of said primary aromatic amine.

2,189,737

RESINS OF THE UREA-ALDEHYDE CONDENSATION TYPE AND THEIR SOLUTIONS

Boris N. Lougovoy, New York, N. Y., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application April 16, 1930, Serial No. 444,873
7 Claims. (Cl. 260—29)

1. Method of making a resin composition, comprising reacting a phenol urea and formaldehyde, the latter in excess of equimolecular proportions; and combining a portion at least of the excess formaldehyde in the form of a resinous urea derivative.

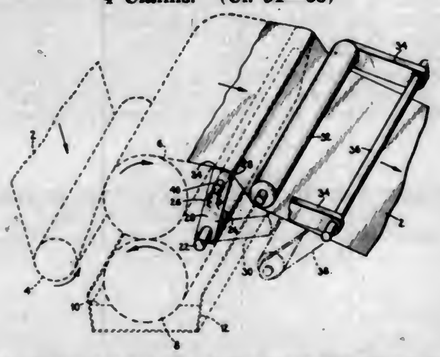
3. A process of preparing a resinous material comprising condensing urea with acetaldehyde and formaldehyde in the presence of an inert solvent.

5. A lacquer comprising a mixture of a concentrated solution of a urea-aldehyde condensation product, and a plurality of low surface tension organic solvents having substantially different boiling points.

2,189,738

FILM SMOOTHER

Bert C. Miller, Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y., a corporation of New York
Application August 7, 1937, Serial No. 157,899
4 Claims. (Cl. 91—53)



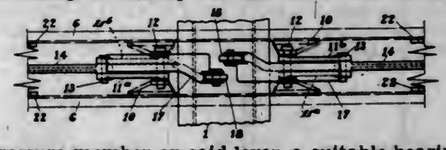
3. In an apparatus of the class described, the combination of a member provided with a curved surface and a sharp edge, means for applying heat to said member for conduction substantially radially to said curved surface to uniformly heat said surface in cooperation with means to guide a web over the uniformly heated curved surface and the sharp edge.

2,189,739

CAR CONSTRUCTION

Carl W. Miller, Beaver Falls, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Refiled for abandoned application Serial No. 119,791, January 9, 1937. This application May 17, 1938, Serial No. 208,371
18 Claims. (Cl. 105—272)

1. In a dump vehicle in combination, an underframe, a body supported thereon for tilting toward opposite sides of the underframe, doors forming opposite side walls of the body and opening outwardly and downwardly as the body is tilted, a link and lever connection between each door and the body, a pressure member pivoted intermediate its ends upon the body beneath the floor thereof and adjacent each lever, means providing a bearing for the outer end of said

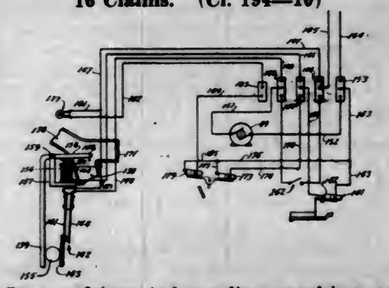


pressure member on said lever, a suitable bearing surface on the inner end of said pressure member for engagement with said underframe, said connection between the pressure member and body being below the bearing engagement between the inner end of the pressure member and underframe.

2,189,740

VENDING MACHINE

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application December 27, 1935, Serial No. 56,367
16 Claims. (Cl. 194—10)



1. In a refrigerated vending machine, an insulated cabinet, vending mechanism supported in said cabinet, said mechanism including means for supporting a plurality of the articles to be vended and means for dispensing said articles individually from the supporting means through a discharge port in the cabinet wall, and means operated by said dispensing means for preventing further operation of the vending mechanism after the number of articles in the machine have been reduced to a predetermined number but while a substantial number of articles remain in the machine, said vending mechanism including a drive motor and said last-mentioned means comprising a control member adapted to be set before operation of the machine is begun and to be advanced toward effective position by successive vending operations and electrical means including a switch adapted to be actuated by said control member upon reduction of the number of articles in the machine to said predetermined number to prevent further energizing of the drive motor until said control member has been reset, as upon reloading of the machine.

2,189,741

SEISMOGRAPH BLASTING CAP

John P. Minton, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1937, Serial No. 174,970
2 Claims. (Cl. 181—0.5)

1. In an apparatus for seismic survey, including

a blasting circuit, a source of power for energizing the circuit, a recorder for recording seismic waves and a communication circuit connecting the blasting circuit with the recorder, an improved blasting structure comprising a detonating substance, a plurality of conductors extending into said structure, fusible means lying in contact with the detonating substance and connected to the conductors, frangible electrical conducting means



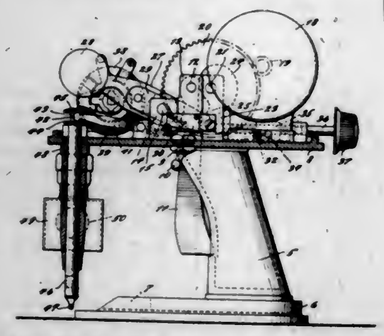
disposed within the structure and connected to the conductors to normally maintain the blasting circuit closed, independent of the fusible means, said frangible means being so positioned with respect to the detonating substance that it will be ruptured coincident with the detonation of the substance to generate a transient voltage that will be communicated to the recorder as an indication of the exact instant of detonation of the explosive charge.

2,189,742

PERFORATING MACHINE

Henry Ruppert, Woodside, N. Y., assignor to Leedall Products, Inc., New York, N. Y., a corporation of New York

Application March 11, 1939, Serial No. 261,166
11 Claims. (Cl. 164—89.5)



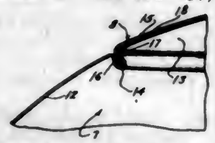
1. A perforating machine of the type described comprising a mobile base plate slidable manually over the material to be perforated, a gripping handle extending upwardly therefrom, a plate supported on said handle, a fulcrumed hammer mounted upon said plate, means for raising the forward end of said hammer by depressing the end thereof extending rearwardly of its fulcrum, a spring for lowering the forward portion of said hammer, and a perforating tool positioned for reciprocating movement beneath the hammer, said fulcrumed hammer having a separate movement from said perforating tool.

2,189,743

WHEEL COVER DISK

George Albert Lyon, Allenhurst, N. J.

Application August 2, 1937, Serial No. 156,873
1 Claim. (Cl. 301—37)



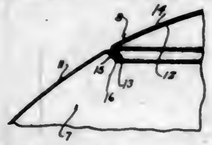
In a wheel cover structure, a wheel cover member of substantially dome-shape having a crown part defined by a re-entrant groove, and a second member overlying said crown part and provided with a skirt extending into said groove, said second member being flexible and contacting said crown part only in the central region thereof and at its point of attachment in the re-entrant groove.

2,189,744

WHEEL COVER DISK

George Albert Lyon, Allenhurst, N. J.

Application August 2, 1937, Serial No. 156,874
4 Claims. (Cl. 301—37)



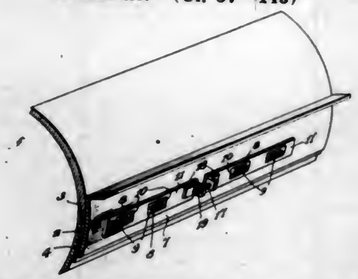
1. In a wheel cover structure, a wheel cover member having a narrow mouthed re-entrant groove therein extending obliquely rearwardly and inwardly, and another member overlying a part of said cover member and having an obliquely rearwardly and inwardly inclined skirt seated in said groove to effectively unite said members.

2,189,745

WEDGE FASTENER FOR SCRAPER BLADES

Albert K. Johnson, Fargo, N. Dak.

Application March 7, 1939, Serial No. 260,425
3 Claims. (Cl. 37—143)



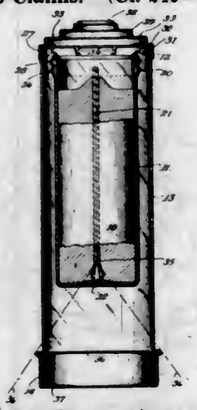
1. In combination with a scraper, a blade extending along an edge portion of said scraper and formed with openings registering with openings in the scraper, bolts passed through the registering openings and having projecting end portions formed with side recesses having shoulders at their outer ends, wedges straddling the outer end portions of said bolts and having arms passing through the recesses and formed with cam surfaces engaging said shoulders, a bar formed with sockets receiving said wedges, and means for shifting the bar in a direction to tighten the wedges and retain the bar in its adjusted position with the wedges in position to exert binding action against the shoulders and firmly hold the bolts in place.

2,189,746

SANCTUARY LAMP

Albert T. Candy, Jr., Glen Ellyn, Ill., assignor to Candy & Company, Inc., Chicago, Ill., a corporation of Illinois

Application May 10, 1937, Serial No. 141,671
16 Claims. (Cl. 240—13)



7. A candle burning sanctuary lamp or the like comprising an outer translucent casing, an inner translucent container, a candle in the container, and a suspending member having detachable engagement with the upper end of both casings for removably suspending the container together with its candle within, but free of, the outer casing, the suspending member projecting beyond the outer casing for ready manual lifting engagement.

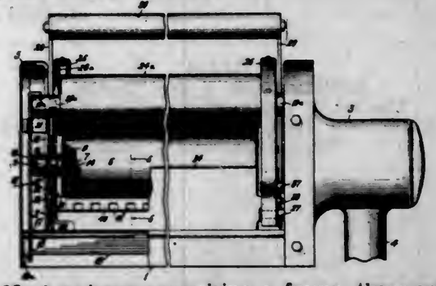
2,189,747

CLOTHES WRINGER

Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application December 14, 1934, Serial No. 757,510
23 Claims. (Cl. 68—249)

21. In a wringer, a pair of rolls, means for pressing the rolls together, a tiltable drainboard movable to a position to drain liquid toward the side from which the material is being wrung and having a part adjacent one of said rolls which will be engaged by material wrapped around the adjacent roll and effect tilting of the drainboard toward a position draining liquid toward the opposite side of the wringer, and means operated by said last tilting of the drainboard for rendering the wringer ineffective.



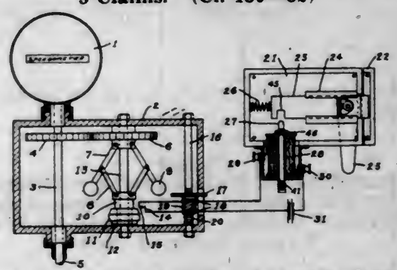
23. A wringer comprising a frame, three rolls carried by said frame with one roll contacting each of the other two to establish a pair of roll bites, means to apply wringing pressure at either roll bite desired, a drainboard, and means to simultaneously apply pressure at the desired roll bite and to shift said drainboard to discharge liquid wrung from material passing through the wringer on the side of the wringer opposite the pressure roll bite.

2,189,748

AUTOMATIC DOOR LOCK

Harvey Wilson, Gainesville, Ga.

Application November 7, 1936, Serial No. 109,635
5 Claims. (Cl. 180—82)

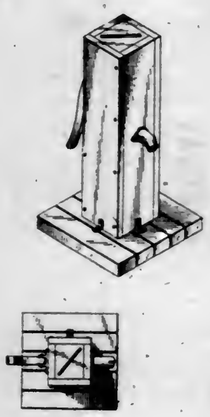


1. A combination of the character described comprising a solenoid for locking the door of a vehicle, a source of electrical energy, a circuit connecting said source to said solenoid, and a control means in said circuit and responsive to movement of said vehicle at and above a certain predetermined speed for completing and maintaining said circuit to actuate said solenoid for locking said door and maintaining it locked.

DESIGNS

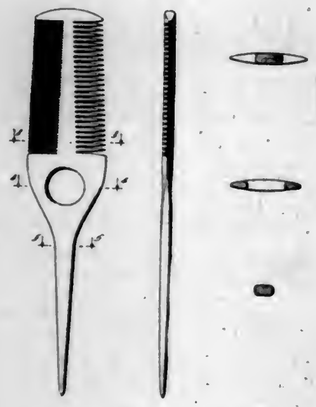
FEBRUARY 6, 1940

118,809
DESIGN FOR A TOY BANK
Charles A. Ambrose, Memphis, Tenn.
Application April 21, 1939, Serial No. 84,478
Term of patent 3½ years



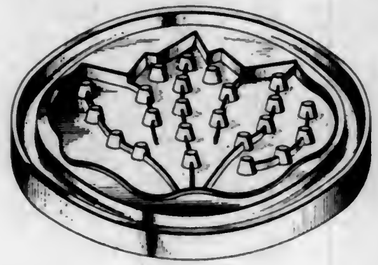
The ornamental design for a toy bank, as shown.

118,810
DESIGN FOR A FINGER-GRIP COMB
Ethel Yates Berry, South Pasadena, Calif.
Application December 9, 1939, Serial No. 88,784
Term of patent 14 years



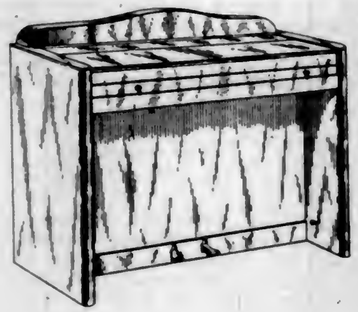
The ornamental design for a finger-grip comb, as shown.

118,811
DESIGN FOR A WAFFLE IRON
Elmer B. Borg, Los Angeles, Calif.
Application April 7, 1939, Serial No. 84,127
Term of patent 3½ years



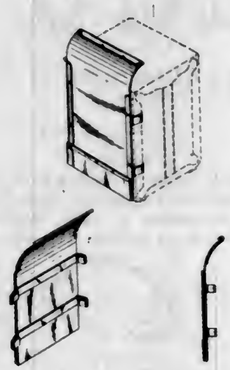
The ornamental design for a waffle iron, as shown.

118,812
DESIGN FOR A PIANO CASE
Robert Percy Brasted, London, England
Application June 3, 1939, Serial No. 85,340
In Great Britain January 3, 1939
Term of patent 14 years



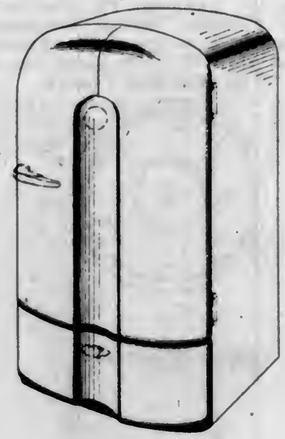
The ornamental design for a piano case, as shown and described.

118,813
DESIGN FOR A COMBINED NAPKIN DISPENSER AND DISPLAY HOLDER
Victor Wayland Cornelius, Eastland, Tex.
Application November 14, 1938, Serial No. 81,083
Term of patent 14 years



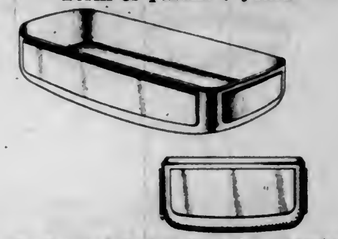
The ornamental design for a combined napkin dispenser and display holder, substantially as shown and described.

118,814
DESIGN FOR A REFRIGERATOR CABINET
Donald E. Dailey and Harold Van Doren, Toledo, Ohio, assignors to Philco Refrigerator Company, Philadelphia, Pa., a corporation of Delaware
Application December 2, 1939, Serial No. 88,640
Term of patent 14 years



The ornamental design for a refrigerator cabinet, substantially as shown.

118,815
DESIGN FOR A BASE PROTECTOR FOR GOLF BAGS
Charles A. Ferguson, San Antonio, Tex.
Application November 21, 1939, Serial No. 88,385
Term of patent 7 years



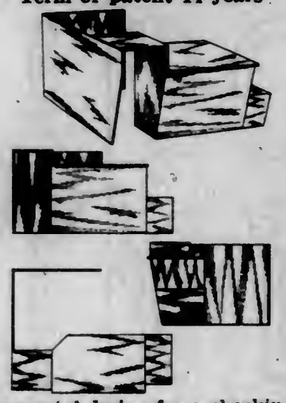
The ornamental design for a base protector for golf bags, as shown.

118,816
DESIGN FOR AN ACROBAT'S HEADSTAND APPARATUS
Costica Floresque, Chicago, Ill.
Application October 25, 1939, Serial No. 87,852
Term of patent 14 years



The ornamental design for an acrobat's headstand apparatus, as shown.

118,817
DESIGN FOR A CHECKING COUNTER
Gaylord C. Gill, Grand Rapids, Mich., assignor to Wolverine Spice Company, Grand Rapids, Mich., a corporation of Michigan
Application November 16, 1939, Serial No. 88,322
Term of patent 14 years



The ornamental design for a checking counter, substantially as shown.

118,818
DESIGN FOR A SLIPPER
Emil Haug, Hackensack, N. J.
Application November 24, 1939, Serial No. 88,439
Term of patent 3½ years





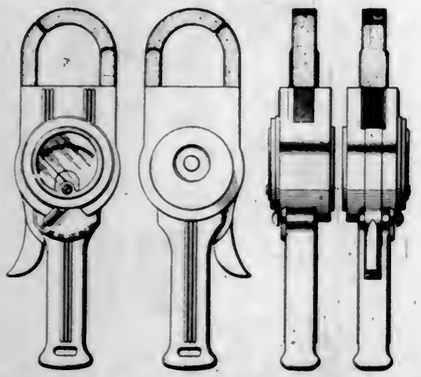
The ornamental design for a slipper, substantially as shown.

118,819
DESIGN FOR A DISH
Kathryn S. Herpel, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 14, 1939, Serial No. 88,899
Term of patent 7 years



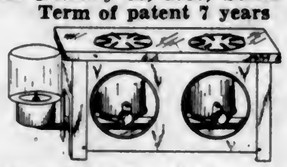
The ornamental design for a dish, as shown.

118,820
DESIGN FOR A CLAMP-AMMETER
Paul P. Huber, Hillside, N. J., and Lurelle Guild, Darien, Conn., assignors to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 13, 1939, Serial No. 88,244
Term of patent 7 years



The ornamental design for a clamp-ammeter, as shown.

118,821
DESIGN FOR AN OIL COOK STOVE
Walter E. Huenefeld, Cincinnati, Ohio
Application January 30, 1939, Serial No. 82,687
Term of patent 7 years



The ornamental design for an oil cook stove, as shown and described.

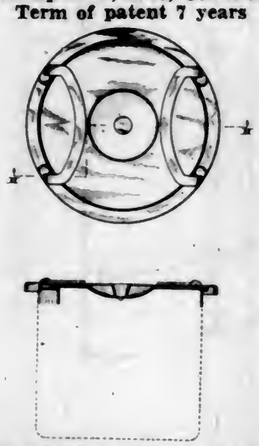
118,822
DESIGN FOR A CURTAIN RING
Herman Kaufman, Laurelton, Long Island, N. Y.
Application December 2, 1939, Serial No. 88,634
Term of patent 14 years





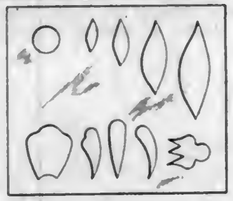
The ornamental design for a curtain ring, substantially as shown.

118,823
DESIGN FOR A COOKER PAIL OR THE LIKE
Wilfred D. Keith, Oakmont, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application April 10, 1939, Serial No. 84,178
Term of patent 7 years



The ornamental design for a cooker pail or the like, substantially as shown and described.

118,824
DESIGN FOR A DRAFTSMAN'S STENCIL
Fred Lettino, Astoria, Long Island, N. Y.
Application November 14, 1939, Serial No. 88,282
Term of patent 14 years



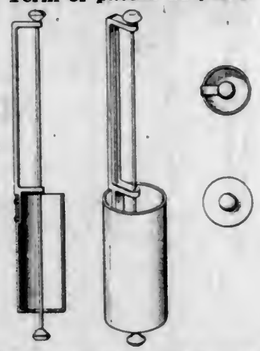
The ornamental design for a draftsman's stencil, as shown.

118,825
DESIGN FOR A TUMBLER
Harry L. Lissfelt, New York, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application July 14, 1939, Serial No. 86,022
Term of patent 7 years



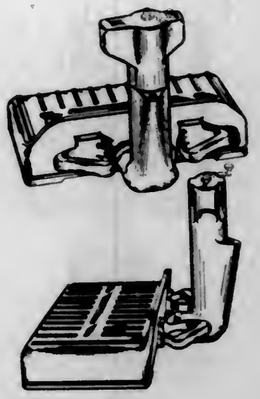
The ornamental design for a tumbler as shown.

118,826
DESIGN FOR A CREAM REMOVER
J. Showles MacLean, Toledo, Ohio
Application October 4, 1939, Serial No. 87,511
Term of patent 14 years



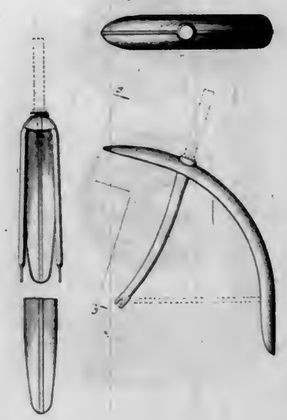
The ornamental design for a cream remover, as shown.

118,827
DESIGN FOR A WHEEL LOAD SCALE
David Middleman, Towson, Md., assignor to The Black and Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application November 10, 1939, Serial No. 88,201
Term of patent 14 years



The ornamental design for a wheel load scale, as shown.

118,828
DESIGN FOR A COMBINED FRONT FORK AND FENDER FOR VELOCIPEDES
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 18, 1938, Serial No. 81,201
Term of patent 3½ years



The ornamental design for a combined front fork and fender for velocipedes, as shown.

118,829
DESIGN FOR A VIBRATOR
Nels A. Nelson, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application November 27, 1939, Serial No. 88,493
Term of patent 7 years



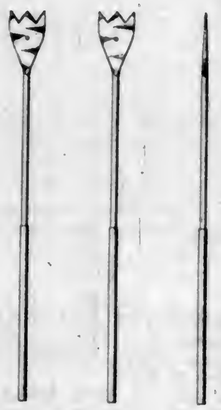
The ornamental design for a vibrator as shown, and described.

118,830
DESIGN FOR A HOT OIL FINGER BATH
Forrest L. Newman, Denver, Colo.
Application March 20, 1939, Serial No. 83,706
Term of patent 3½ years



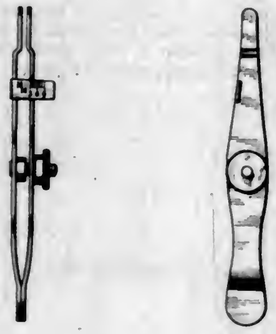
The ornamental design for a hot oil finger bath, as shown.

118,831
DESIGN FOR A COMBINATION ICE CHIPPER AND BOTTLE BREAKER OR SIMILAR ARTICLE
Frank B. Norris, Shelby, Ind.
Application January 25, 1939, Serial No. 82,587
Term of patent 7 years



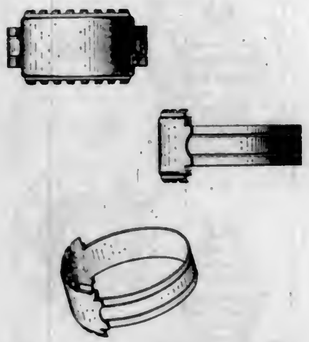
The ornamental design for a combination ice chipper and bottle breaker or similar article as shown and described.

118,832
DESIGN FOR CALIPERS
Nathan Opotow, New York, N. Y.
Application November 27, 1939, Serial No. 88,492
Term of patent 3½ years



The ornamental design for calipers, substantially as shown.

118,833
DESIGN FOR A RAZOR
Frank W. Pierson, Berkeley, Calif.
Application September 25, 1939, Serial No. 87,373
Term of patent 7 years



The ornamental design for a razor, substantially as shown.

118,834
DESIGN FOR A CLOCK CASE
John P. Rainbault, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 21, 1939, Serial No. 88,386
Term of patent 7 years



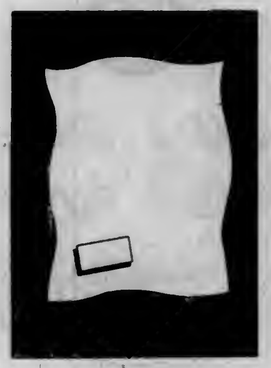
The ornamental design for a clock case, as shown.

118,835
DESIGN FOR A CLOCK CASE
John P. Rainbault, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 21, 1939, Serial No. 88,387
Term of patent 7 years



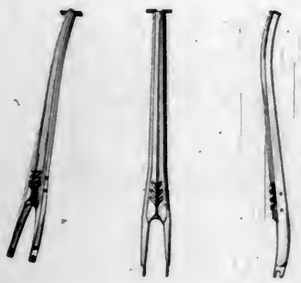
The ornamental design for a clock case, as shown.

118,836
DESIGN FOR A DISPLAY CARD OR SIMILAR ARTICLE
Gilbert J. Rhodes, New York, N. Y.
Application December 2, 1939, Serial No. 88,627
Term of patent 3½ years



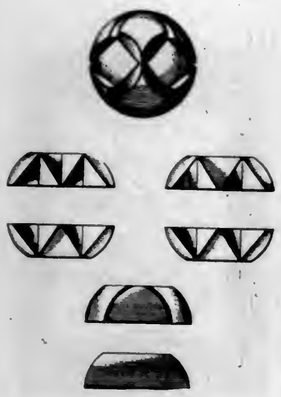
The ornamental design for a display card or similar article, substantially as shown and described.

118,837
DESIGN FOR A VELOCIPEDE FRONT FORK
John Gordon Rideout, Cleveland, Ohio, assignor to Junior Toy Corporation, Hammond, Ind.
Application June 8, 1939, Serial No. 85,398
Term of patent 14 years



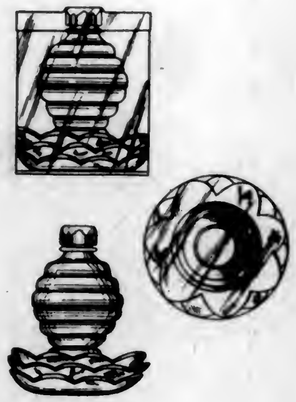
The ornamental design for a velocipede front fork, substantially as shown.

118,838
DESIGN FOR A PUZZLE
Joseph C. Roch, Providence, R. I.
Application November 21, 1939, Serial No. 88,388
Term of patent 14 years



The ornamental design for a puzzle, substantially as shown and described.

118,839
DESIGN FOR A COMBINED PERFUME BOTTLE AND SACHET PADS DISPLAY, AND TRANSPARENT CONTAINER THEREFOR
Florence Samuels, New York, N. Y.
Application December 15, 1939, Serial No. 88,917
Term of patent 3½ years



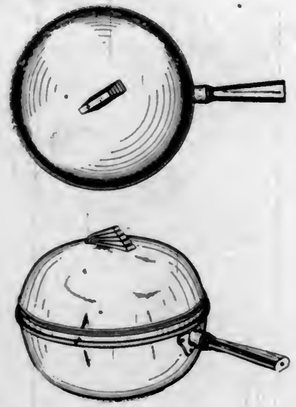
The ornamental design for a combined perfume bottle and sachet pads display, and transparent container therefor, substantially as shown and described.

118,840
DESIGN FOR A COMBINED FROZEN CONFECTION, SUPPORT, AND DRIP CATCHER
Elmer C. Texter and Carl G. Shocknesse, Detroit, Mich.
Application July 21, 1939, Serial No. 86,160
Term of patent 14 years



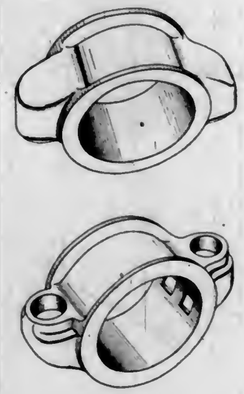
The ornamental design for a combined frozen confection, support, and drip catcher, substantially as shown.

118,841
DESIGN FOR A FOOD WARMER OR SIMILAR ARTICLE
Carlton G. Towne, Edgewood, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application November 17, 1939, Serial No. 88,335
Term of patent 7 years



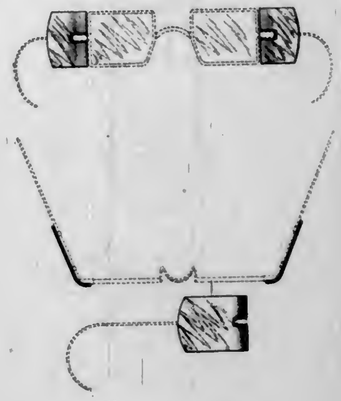
The ornamental design for a food warmer or similar article, substantially as shown.

118,842
DESIGN FOR A ROTARY PUMP BODY OR SIMILAR ARTICLE
Theodore R. Tyler, Minneapolis, Minn., assignor to The Hamilton Corporation, a corporation of Minnesota
Application April 1, 1939, Serial No. 83,976
Term of patent 14 years



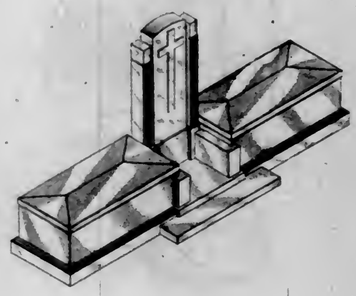
The ornamental design for a rotary pump body or similar article, as shown.

118,843
DESIGN FOR SUN GLASSES
James W. Welsh, Providence, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application May 7, 1938, Serial No. 77,049
Term of patent 14 years



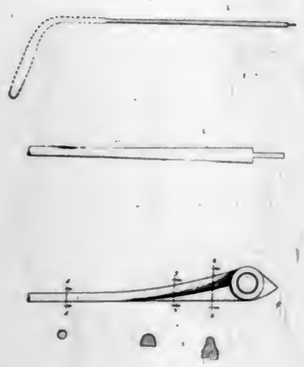
The ornamental design for sunglasses, substantially as shown and described.

118,844
DESIGN FOR A BURIAL MONUMENT
Louis A. Whitehouse, Proctor, Vt., assignor to Dr. W. L. Karcher, Freeport, Ill.
Application October 21, 1939, Serial No. 87,786
Term of patent 14 years



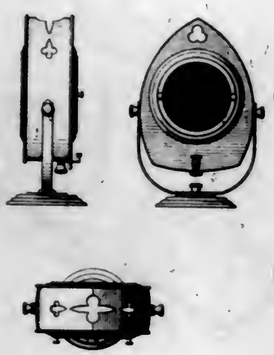
The ornamental design for a burial monument, substantially as shown.

118,845
DESIGN FOR A SPECTACLE TEMPLE
Arthur F. Williams, St. Paul, Minn., assignor to Wils Edge Corporation, St. Paul, Minn., a corporation of Minnesota
Application July 29, 1939, Serial No. 86,325
Term of patent 14 years



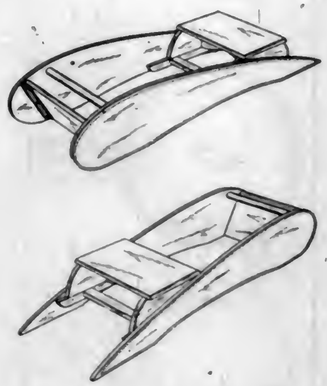
The ornamental design for a spectacle temple, as shown.

118,846
DESIGN FOR A CASING FOR A THERAPEUTIC LAMP
Frederic Wommer, Carver, Minn., assignor of one-half to H. Lee Reynolds, Pittsburgh, Pa.
Application July 24, 1939, Serial No. 86,204
Term of patent 7 years



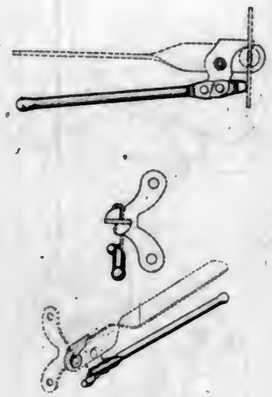
The ornamental design for a casing for a therapeutic lamp, substantially as shown.

118,847
DESIGN FOR AN EXERCISING APPARATUS
Robert F. Wright, Syracuse, N. Y.
Application November 28, 1939, Serial No. 88,526
Term of patent 7 years



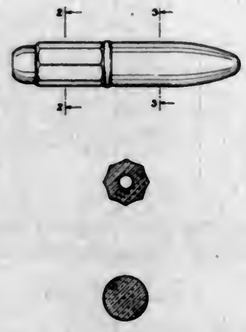
The ornamental design for an exercising apparatus, substantially as shown.

118,848
DESIGN FOR A CAN OPENER
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1938, Serial No. 80,146
Term of patent 14 years



The ornamental design for a can opener, as shown and described.

118,849
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1939, Serial No. 87,791
Term of patent 14 years



The ornamental design for a handle for kitchen utensils or similar articles, as shown.

118,850
DESIGN FOR A VEHICLE WHEEL
Talmon A. Davenport, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 22, 1939, Serial No. 85,623
Term of patent 14 years



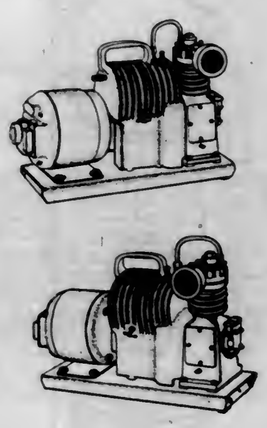
The ornamental design for a vehicle wheel, substantially as shown.

118,851
DESIGN FOR AN AIR CONDITIONING REGISTER OR SIMILAR ARTICLE
Charles Demuth, Jamaica, N. Y.
Application November 24, 1939, Serial No. 88,471
Term of patent 14 years



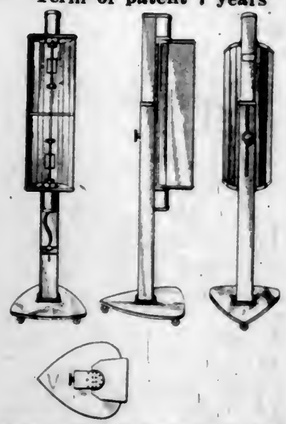
The ornamental design for an air conditioning register or similar article, as shown.

118,852
DESIGN FOR AN AIR COMPRESSING UNIT
Franklin D. Ditch, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application August 3, 1939, Serial No. 86,433
Term of patent 7 years



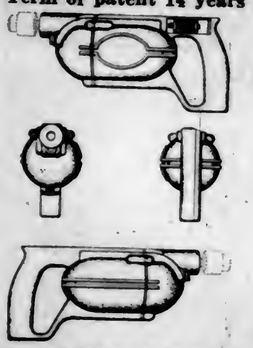
The ornamental design for an air compressing unit, substantially as shown and described.

118,853
DESIGN FOR A PHOTOGRAPHIC ARC LAMP OR SIMILAR ARTICLE
Iredell Eachus, Wayne, Pa., assignor to Macbeth Arc Lamp Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1939, Serial No. 87,443
Term of patent 7 years



The ornamental design for a photographic arc lamp or similar article, substantially as shown.

118,854
DESIGN FOR A PORTABLE POWER DRIVEN HAND TOOL UNIT
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application October 26, 1939, Serial No. 87,869
Term of patent 14 years



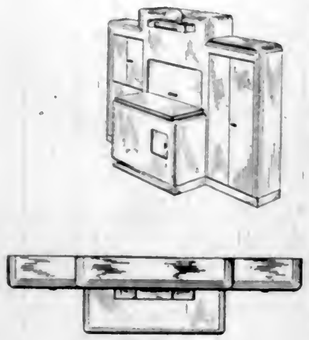
The ornamental design for a portable power driven hand tool unit, as shown and described.

118,855
DESIGN FOR A JAR
James F. Forsyth, South Orange, N. J., assignor to Hecker Products Corporation, New York, N. Y., a corporation of New Jersey
Application October 28, 1938, Serial No. 80,731
Term of patent 14 years



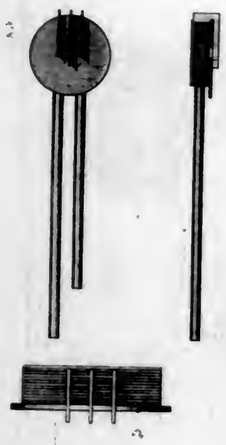
The ornamental design for a jar, as shown and described.

118,856
DESIGN FOR A COMBINED WORKBENCH AND CABINET OR SIMILAR ARTICLE
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich.
Application October 9, 1939, Serial No. 87,583
Term of patent 3½ years



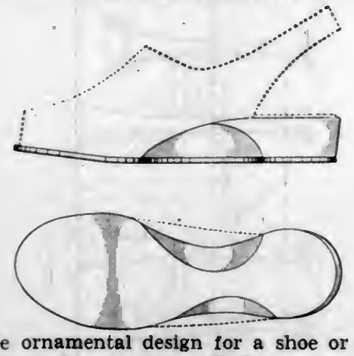
The ornamental design for a combined workbench and cabinet or similar article, as shown.

118,857
DESIGN FOR A SIGNAL DEVICE
Frederic S. Grover, Rochester, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 88,285
Term of patent 7 years



The ornamental design for a signal device, as shown.

118,858
DESIGN FOR A SHOE OR SIMILAR ARTICLE
George S. Iliff, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application July 21, 1939, Serial No. 86,468
Term of patent 7 years



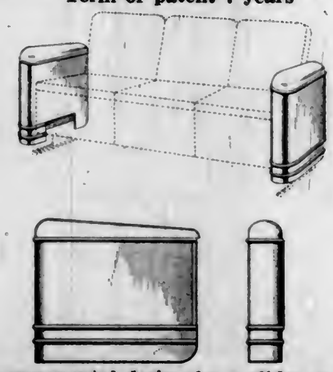
The ornamental design for a shoe or similar article, as shown and described.

118,859
DESIGN FOR A CRUCIFORM PENDANT
Max Kronstadt, New York, N. Y.
Application July 12, 1939, Serial No. 85,961
Term of patent 3½ years



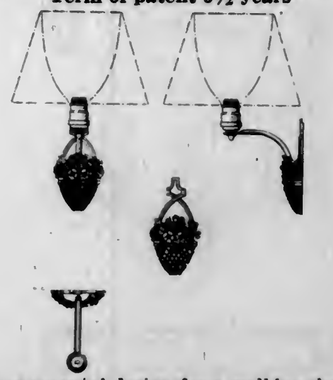
The ornamental design for a cruciform pendant, substantially as shown.

118,860
DESIGN FOR A GLIDER OR THE LIKE
Zack S. Logan, Louisville, Ky., assignor to Logan Co. Inc., Louisville, Ky., a corporation of Kentucky
Application November 16, 1939, Serial No. 88,325
Term of patent 7 years



The ornamental design for a glider or the like, as shown and described.

118,861
DESIGN FOR A WALL BRACKET LAMP
Glenn E. MacFadden and Leland MacFadden, Buffalo, N. Y., assignors to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application September 12, 1939, Serial No. 87,151
Term of patent 3½ years



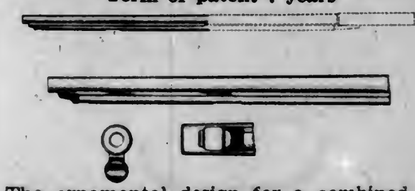
The ornamental design for a wall bracket lamp, substantially as shown and described.

118,862
DESIGN FOR A BOTTLE
Walter H. Meyer, Toledo, Ohio, assignor to National Nu Grape Company, Atlanta, Ga.
Application September 20, 1939, Serial No. 87,308
Term of patent 14 years



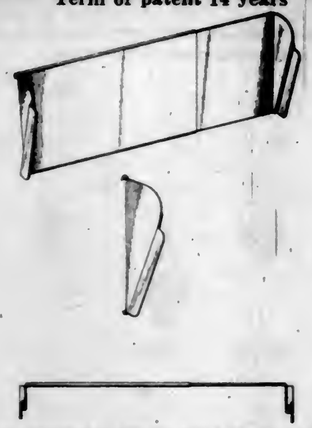
The ornamental design for a bottle, as shown.

118,863
DESIGN FOR A COMBINED GUN BARREL AND TUBULAR CARTRIDGE MAGAZINE
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application July 20, 1939, Serial No. 86,095
Term of patent 7 years



The ornamental design for a combined gun barrel and tubular cartridge magazine, substantially as shown and described.

118,864
DESIGN FOR A WINDOW VENTILATOR
Erwin F. Mueller, San Francisco, Calif.
Application April 20, 1939, Serial No. 84,417
Term of patent 14 years



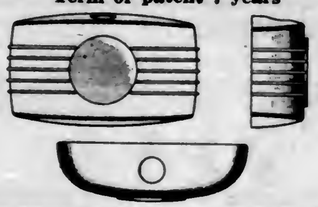
The ornamental design for a window ventilator, substantially as shown.

118,865
DESIGN FOR A FLAG HOLDER
Carl M. Palmer, Silverton, Ohio
Application September 18, 1939, Serial No. 87,274
Term of patent 7 years



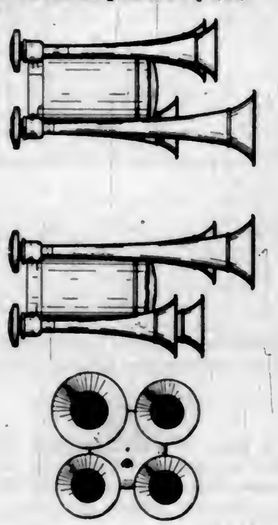
The ornamental design for a flag holder, substantially as shown.

118,866
DESIGN FOR A HOUSING FOR SIGNAL DEVICES
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application November 16, 1939, Serial No. 88,328
Term of patent 7 years



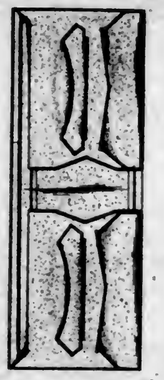
The ornamental design for a housing for signal devices, as shown.

118,867
DESIGN FOR A WARNING SIGNAL
Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application November 13, 1939, Serial No. 88,225
Term of patent 7 years



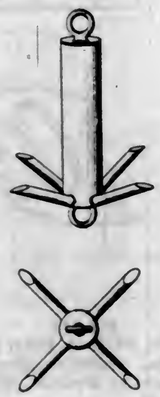
The ornamental design for a warning signal, substantially as shown.

118,868
DESIGN FOR A BILLFOLD
Samuel Smallman, New York, N. Y.
Application November 28, 1939, Serial No. 88,518
Term of patent 3½ years



The ornamental design for a billfold, substantially as shown, and described.

118,869
DESIGN FOR AN ANCHOR
Forrest L. Tower, Mendota, Ill.
Application November 7, 1939, Serial No. 88,119
Term of patent 14 years



The ornamental design for an anchor, as shown.

118,870
DESIGN FOR A BOX OR SIMILAR CONTAINER
Louis A. Trevisan, Bloomfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 13, 1939, Serial No. 85,478
Term of patent 7 years



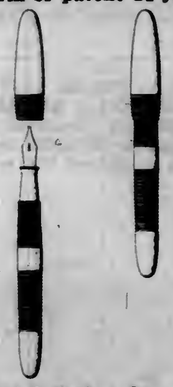
The ornamental design for a box or similar container, as shown and described.

118,871
DESIGN FOR A MEDAL OR THE LIKE
Harold C. Vaisey, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 86,706
Term of patent 3½ years



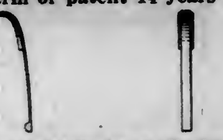
The ornamental design for a medal or the like, substantially as shown and described.

118,872
DESIGN FOR A FOUNTAIN PEN
John Vassos, Silver Mine, Conn., assignor to L. E. Waterman Company, Newark, N. J., a corporation of New York
Application December 16, 1939, Serial No. 88,940
Term of patent 14 years



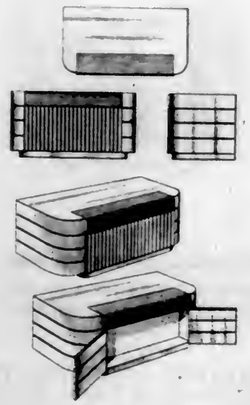
The ornamental design for a fountain pen, substantially as shown.

118,873
DESIGN FOR A CLIP FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
John Vassos, Silver Mine, Conn., assignor to L. E. Waterman Company, Newark, N. J., a corporation of New York
Application December 16, 1939, Serial No. 88,941
Term of patent 14 years



The ornamental design for a clip for a fountain pen or similar article, substantially as shown.

118,874
DESIGN FOR A RADIO CABINET
Robert L. Weyhing, Detroit, and Percival D. Swibold, Highland Park, Mich., assignors to Weyhing Bros. Mfg. Co., Detroit, Mich., a corporation of Michigan
Application December 5, 1939, Serial No. 88,704
Term of patent 7 years



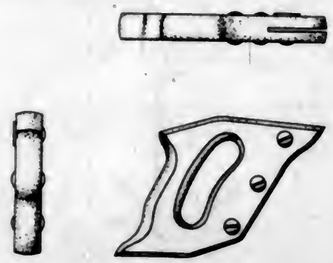
The ornamental design for a radio cabinet, as shown.

118,875
DESIGN FOR A NECKLACE
Joseph Wuyts, New York, N. Y.
Application December 30, 1939, Serial No. 89,220
Term of patent 3½ years



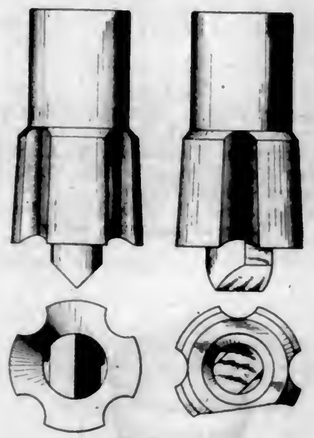
The ornamental design for a necklace, substantially as shown.

118,876
DESIGN FOR A SAW HANDLE
Keyes W. Atkins, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana
Application August 28, 1939, Serial No. 86,913
Term of patent 14 years



The ornamental design for a saw handle, as shown.

118,877
DESIGN FOR A DRILL BIT
Martin Hokanson, Duluth, Minn., assignor to Eidco, Incorporated, Duluth, Minn., a corporation of Minnesota
Application November 24, 1939, Serial No. 88,450
Term of patent 14 years



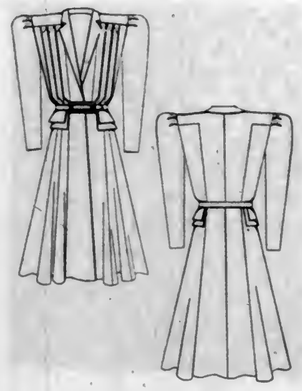
The ornamental design for a drill bit, as shown.

118,878
DESIGN FOR A PUFFED AND EMBROIDERED FABRIC
Michael B. Kaplan, New York, N. Y.
Application December 20, 1939, Serial No. 89,033
Term of patent 3½ years



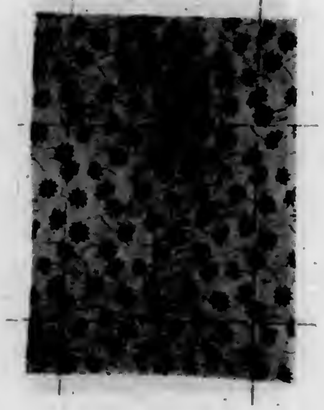
The ornamental design for a puffed and embroidered fabric, substantially as shown.

118,879
DESIGN FOR A LADY'S COAT
Max Kolmer, New York, N. Y.
Application December 19, 1939, Serial No. 89,000
Term of patent 3½ years



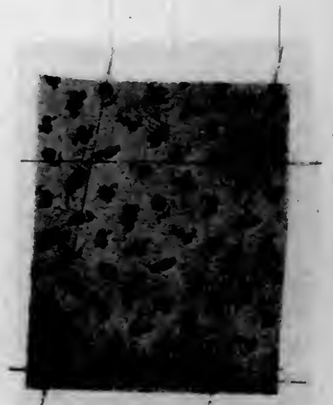
The ornamental design for a lady's coat, substantially as shown.

118,880
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application December 30, 1939, Serial No. 89,221
Term of patent 3½ years



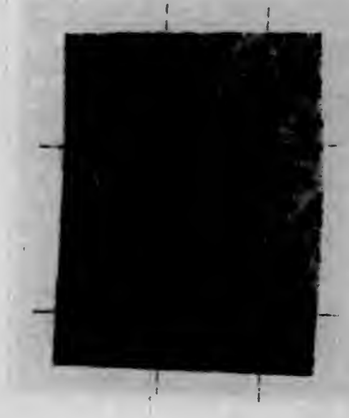
The ornamental design for a textile fabric, substantially as shown and described.

118,881
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application December 30, 1939, Serial No. 89,223
Term of patent 3½ years



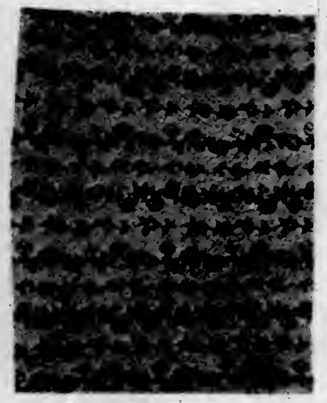
The ornamental design for a textile fabric, substantially as shown and described.

118,882
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application December 30, 1939, Serial No. 89,224
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,883
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application January 6, 1940, Serial No. 89,323
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,884
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application January 6, 1940, Serial No. 89,324
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,885
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application January 6, 1940, Serial No. 89,325
Term of patent 3½ years



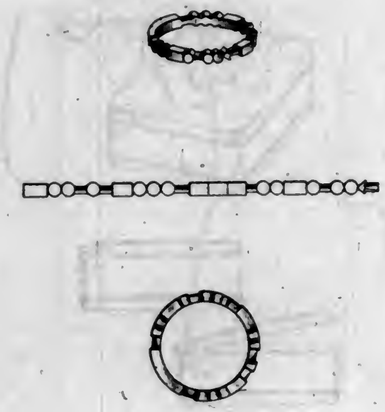
The ornamental design for a textile fabric, substantially as shown.

118,886
DESIGN FOR A TEXTILE FABRIC
Carl Alfred Tips, New York, N. Y.
Application November 22, 1939, Serial No. 88,397
Term of patent 3½ years



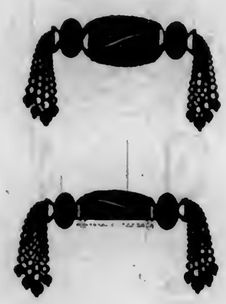
The ornamental design for a textile fabric, substantially as shown.

118,887
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
David Widess, Pasadena, Calif.
Application December 6, 1939, Serial No. 88,712
Term of patent 14 years



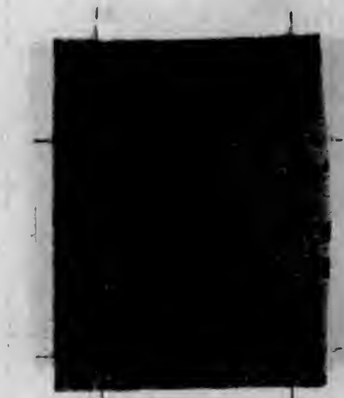
The ornamental design for a finger ring or similar article, as shown.

118,888
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Joseph Wuyts, Staten Island, N. Y.
Application December 30, 1939, Serial No. 89,218
Term of patent 3½ years



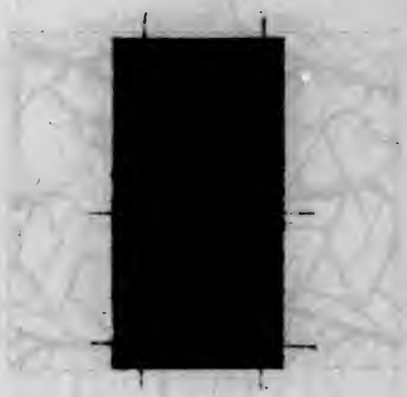
The ornamental design for a brooch or similar article, substantially as shown.

118,889
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application December 30, 1939, Serial No. 89,225
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

118,890
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application December 30, 1939, Serial No. 89,226
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

118,891
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application January 6, 1940, Serial No. 89,322
Term of patent 3½ years



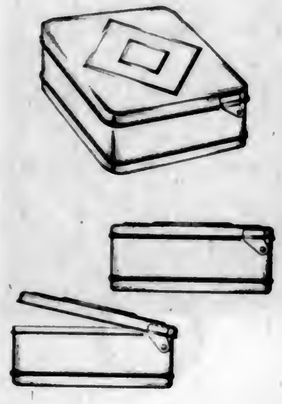
The ornamental design for a textile fabric, substantially as shown and described.

118,892
DESIGN FOR A TEXTILE FABRIC
William C. Pahlmann, New York, N. Y., assignor to Scalamandre Silks, Inc., New York, N. Y.
Application January 4, 1940, Serial No. 89,280
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,893
DESIGN FOR A BOX OR SIMILAR CONTAINER
Louis A. Trevisan, Bloomfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 13, 1939, Serial No. 85,475
Term of patent 7 years



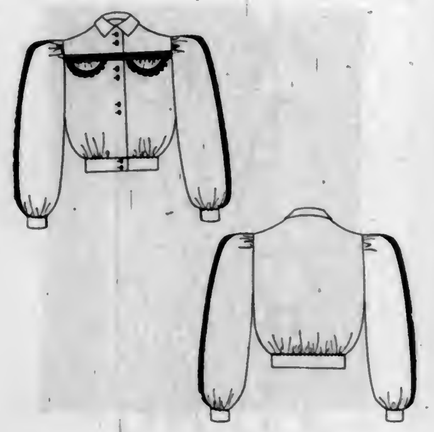
The ornamental design for a box or similar container, as shown and described.

118,894
DESIGN FOR AN ELECTRICAL CONNECTOR
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 83,695
Term of patent 14 years



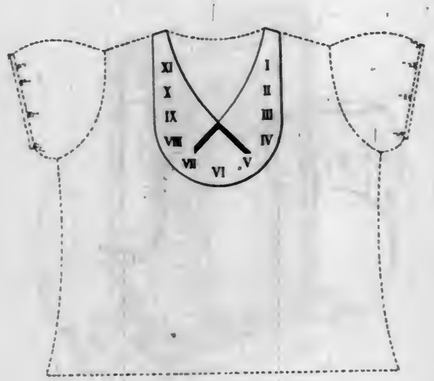
The ornamental design for an electrical connector, substantially as shown.

118,895
DESIGN FOR A BLOUSE
Israel Absug, New York, N. Y.
Application January 18, 1940, Serial No. 89,530
Term of patent 3½ years



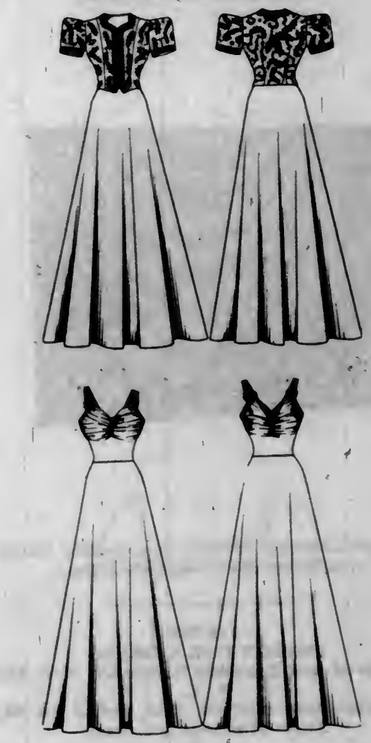
The ornamental design for a blouse, substantially as shown.

118,896
DESIGN FOR A BLOUSE
Margaret K. Breslauer, New York, N. Y.
Application November 22, 1939, Serial No. 88,426
Term of patent 7 years



The ornamental design for a blouse, substantially as shown and described.

118,897
DESIGN FOR A DRESS ENSEMBLE
Alice Engel, New York, N. Y.
Application January 2, 1940, Serial No. 89,250
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,898
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application January 2, 1940, Serial No. 89,251
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,899
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Feldman, Brooklyn, N. Y.
Application December 9, 1939, Serial No. 88,778
Term of patent 3½ years



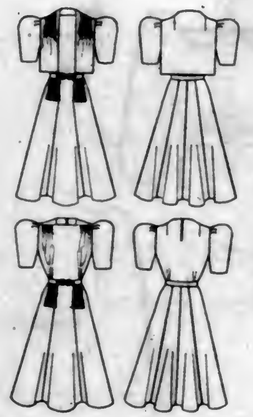
The ornamental design for a textile fabric or similar article, as shown and described.

118,900
DESIGN FOR A DRESS
Lee Friend and Emanuel S. Wieder, New York, N. Y.
Application November 18, 1939, Serial No. 88,427
Term of patent 3½ years



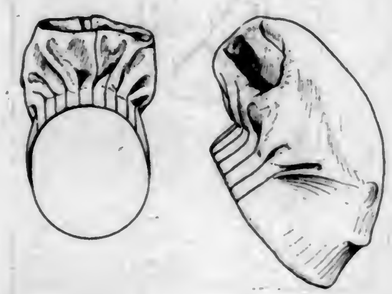
The ornamental design for a dress, substantially as shown.

118,901
DESIGN FOR A DRESS ENSEMBLE
Samuel E. Frontman, Melrose Park, Pa.
Application December 12, 1939, Serial No. 88,844
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

118,902
DESIGN FOR A HAT
Oscar Gehn, New York, N. Y.
Application November 3, 1939, Serial No. 88,027
Term of patent 3½ years



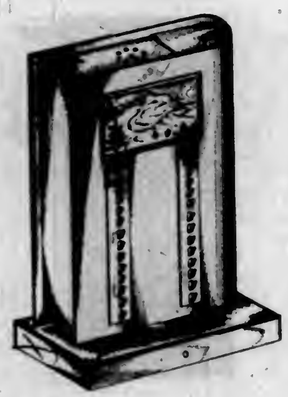
The ornamental design for a hat, as shown.

118,903
DESIGN FOR A COMFORTABLE
Abraham J. Goldman, Brooklyn, N. Y.
Application December 16, 1939, Serial No. 88,934
Term of patent 3½ years



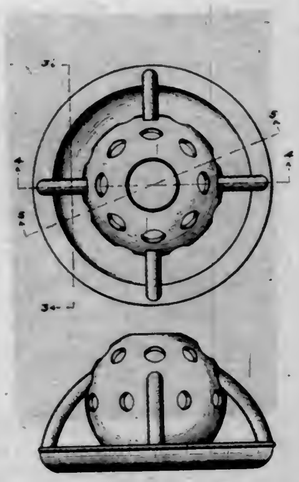
The ornamental design for a comfortable, substantially as shown.

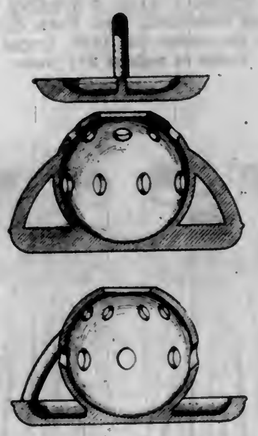
118,904
DESIGN FOR A DISPLAY STAND
Frank C. Harbeson, Georgetown, Ind.
Application May 25, 1939, Serial No. 85,202
Term of patent 7 years



The ornamental design for a display stand, as shown and described.

118,905
DESIGN FOR A COMBINED RELISH BOWL AND TRAY
Henry W. Lormor, Cleveland Heights, Ohio
Application October 21, 1939, Serial No. 87,785
Term of patent 3½ years





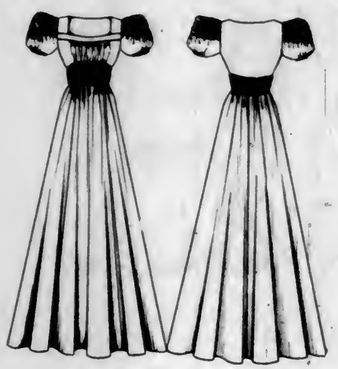
The ornamental design for a combined relish bowl and tray, substantially as shown and described.

118,906
DESIGN FOR A TEXTILE FABRIC
Stephen B. Musson, West Englewood, N. J., assignor to Deering-Milliken & Co., Inc., New York, N. Y., a corporation of New York
Application December 14, 1939, Serial No. 88,882
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,907
DESIGN FOR A DRESS
Anne Rebhuhn, New York, N. Y.
Application December 26, 1939, Serial No. 89,116
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,908
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application December 30, 1939, Serial No. 89,217
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,909
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application December 13, 1939, Serial No. 88,854
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,910
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application December 13, 1939, Serial No. 88,855
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

118,911
DESIGN FOR A DRESS
Benjamin Shapiro, New York, N. Y.
Application January 4, 1940, Serial No. 89,276
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,912
DESIGN FOR A HAT
Irwin B. Simon, San Francisco, Calif.
Application May 10, 1939, Serial No. 84,907
Term of patent 7 years



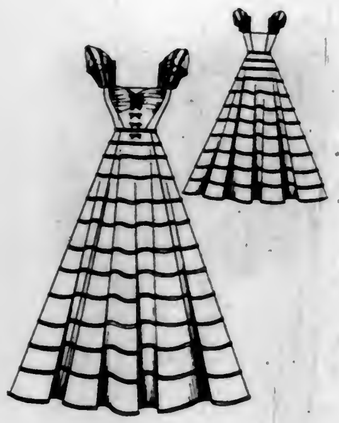
The ornamental design for a hat, as shown.

118,913
DESIGN FOR A DRESS
Jacob M. Sterngold, New York, N. Y.
Application December 12, 1939, Serial No. 88,833
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,914
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 26, 1939, Serial No. 89,109
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

118,915
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 26, 1939, Serial No. 89,110
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

118,916
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 26, 1939, Serial No. 89,112
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

118,917
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 26, 1939, Serial No. 89,113
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

118,918
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 26, 1939, Serial No. 89,114
Term of patent 3½ years



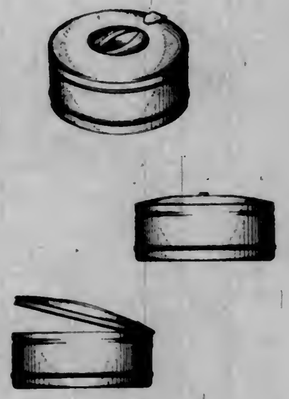
The ornamental design for a dress, substantially as shown.

118,919
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 26, 1939, Serial No. 89,115
Term of patent 3½ years



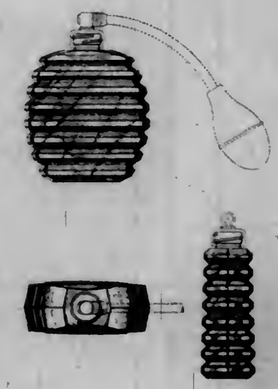
The ornamental design for a dress, substantially as shown.

118,920
DESIGN FOR A BOX OR SIMILAR CONTAINER
Louis A. Trevisan, Bloomfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 13, 1939, Serial No. 85,477
Term of patent 7 years



The ornamental design for a box or similar container, as shown and described.

118,921
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application December 18, 1939, Serial No. 88,976
Term of patent 3½ years



The ornamental design for an atomizer, substantially as shown and described.

118,922
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application December 18, 1939, Serial No. 88,975
Term of patent 7 years



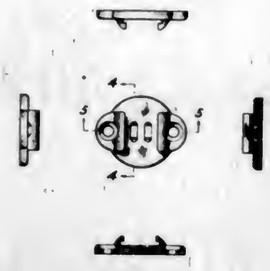
The ornamental design for an atomizer, substantially as shown and described.

118,923
DESIGN FOR A COMBINED CASE AND CONNECTOR FOR A HEARING AID RECEIVER
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 83,696
Term of patent 14 years



The ornamental design for a combined case and connector for a hearing aid receiver, substantially as shown.

118,924
DESIGN FOR A RECEPTACLE BASE FOR AN ELECTRICAL CONNECTOR
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 83,697
Term of patent 14 years



The ornamental design for a receptacle base for an electrical connector, substantially as shown.

118,925
DESIGN FOR AN ELASTIC FABRIC
Daniel Wishnack, Paterson, N. J.
Application November 24, 1939, Serial No. 88,441
Term of patent 3½ years



The ornamental design for an elastic fabric, substantially as shown.

Patents Nos. 2,189,749 to 2,190,639

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 511—No. 2 TUESDAY, FEBRUARY 13, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF FEBRUARY 13, 1940	271
NOTICES OF CANCELLATION	271
DRAWINGS	271
APPLICATIONS UNDER EXAMINATION	272
DECISIONS OF THE U. S. COURTS—	
Oakite Products, Inc. v. H. Kirk White & Co	273
PATENT SUITS	274
ADJUDICATED PATENTS	275
DISCLAIMERS	275
ADVERSE DECISIONS IN INTERFERENCE	276
TRADE-MARKS PUBLISHED (124 APPLICATIONS)	277
TRADE-MARK REGISTRATIONS GRANTED	292
TRADE-MARK REGISTRATIONS RENEWED	301
LABELS	303
PRINTS	304
REISSUES	305
PLANT PATENTS	308
PATENTS GRANTED	309
DESIGNS	516

February 13, 1940

Trade-Marks	212—No.	375,158 to No.	375,369, inclusive.
T. M. Renewals	56		
Labels	14—No.	54,253 to No.	54,266, inclusive.
Prints	5—No.	17,832 to No.	17,836, inclusive.
Reissues	11—No.	21,346 to No.	21,356, inclusive.
Plant Patents	3—No.	361 to No.	363, inclusive.
Patents	891—No.	2,189,749 to No.	2,190,639, inclusive.
Designs	106—No.	118,926 to No.	119,031, inclusive.
Total	1,298		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Jan. 10, 1940.*

Charles M. Huette, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The H. C. Godman Company, Columbus, Ohio, to effect the cancellation of trade-mark registration of Charles M. Huette, 420 N. Sixth St., St. Louis, Mo., No. 255,767, dated April 30, 1929, and the notice of such proceeding sent by registered mail to the said Charles M. Huette at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Charles M. Huette, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Jan. 15, 1940.*

Ben W. Thompson, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The National Marking Machine Company, 4026–30 Cherry St., Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Ben W. Thompson, 3639 Eighth Ave., Los Angeles, Calif., No. 273,522, dated August 5, 1930, and the notice of such proceeding sent by registered mail to the said Ben W. Thompson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Ben W. Thompson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Jan. 25, 1940.*

Paul Mandel and Bro., their assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Radio Corporation of America, 30 Rockefeller Plaza, New York, N. Y., to effect the cancellation of trade-mark registration of Paul Mandel and Bro., 237 Market St., Philadelphia, Pa., No. 270,174, dated April 29, 1930, and the notice of such proceeding sent by registered mail to said Paul Mandel and Bro. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Paul Mandel and Bro., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Jan. 30, 1940.*

Fireking Fire Extinguisher Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by James A. King, 523 S. W. Pine St., Portland, Oreg., to effect the cancellation of trade-mark registration of Fireking Fire Extinguisher Company, Inc., Colman Dock on Railroad Ave., Seattle, Wash., No. 242,232, dated May 15, 1928, and the notice of such proceeding sent by registered mail to the said Fireking Fire Extinguisher Company, Inc. at the said address having been returned by the post office undeliverable, notice is hereby given that unless Fireking Fire Extinguisher Company, Inc., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business January 27, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,850; Trade-Mark Division, 1,503. Oldest new case, June 9, 1939; oldest amended, June 12, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 17	Aug. 19	558
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 9	June 12	885
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 27	Nov. 27	277
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Aug. 16	Sept. 27	595
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Oct. 30	Nov. 1	419
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	July 22	Aug. 8	991
5725	7. JARBOE, C. G., Optics; Photography	Sept. 28	Sept. 26	951
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 29	July 8	1062
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 27	July 27	760
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Sept. 18	Oct. 9	502
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 4	Oct. 3	467
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 1	July 28	479
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 14	Aug. 19	706
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 8	Nov. 2	487
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 2	July 28	1378
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 23	Aug. 19	663
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 2	Sept. 5	721
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 12	Sept. 13	584
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 5	Oct. 5	491
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 9	Oct. 4	364
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 21	Oct. 3	484
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 3	July 3	1097
7624	23. BUTTNER, W. J., Registers (part)	June 30	July 1	304
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	June 14	June 9	1365
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 2	Sept. 28	619
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 1	Aug. 28	503
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	July 22	July 24	1004
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Sept. 23	Sept. 2	508
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 29	July 28	824
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 28	Aug. 30	837
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 27	Sept. 27	1013
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 17	Nov. 6	360
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 25	Aug. 24	969
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Nov. 25	Oct. 31	236
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 15	Sept. 1	732
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 12	Aug. 30	649
5896B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 14	Aug. 17	736
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	July 11	July 11	777
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 13	Sept. 13	616
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 29	July 3	1949
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 24	Aug. 21	309
5882	42. CUTTING, H. O., Electric Signaling	July 11	July 10	718
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 12	Sept. 13	481
4087B	44. HARVEY, L. P., Refrigeration	Aug. 25	Aug. 26	671
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 24	Oct. 17	550
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Cooling Implements and Machines.	Aug. 30	Sept. 10	758
6082	47. LOWE, E. R., Clutches; Brakes	Sept. 29	Oct. 2	559
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 9	Sept. 13	474
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	July 24	July 17	958
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 28	Sept. 7	1349
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 2	Nov. 9	641
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 19	Sept. 30	694
6397	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 28	Oct. 2	314
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Oct. 30	Nov. 2	305
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 13	Sept. 18	448
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 28	July 28	1256
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 2	Oct. 13	434
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 18	Sept. 6	495
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Sept. 1	Sept. 2	888
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 15	Sept. 16	427
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Aug. 28	Aug. 21	624
5621	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 6	Nov. 9	425
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 17	July 12	1041
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Oct. 10	Oct. 10	724
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 14	Sept. 7	495
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND — Trade-Marks	Dec. 15	Dec. 27	1425
	Labels and Prints	†Jan. 22	†Jan. 12	78
2005	Designs: H. H. KALUPY	Nov. 24	Dec. 22	870

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

OAKITE PRODUCTS, INC.

v.

H. KIRK WHITE & Co.

No. 4,204. Decided December 4, 1939

[107 F.(2d) 590]

1. TRADE-MARKS—OPPOSITION—GOODS OF SAME DESCRIPTIVE PROPERTIES—DETERGENT MATERIAL OF GENERAL UTILITY AND POWDERED HAND CLEANER.
A detergent material of general utility *Held* to possess the same descriptive properties as powdered hand cleaner.

2. SAME — SAME — SIMILARITY OF MARKS—"SO-WHITE HAND CLEANER" AND "OAKITE".
Trade-mark "So-White Hand Cleaner", with disclaimer of the words "Hand Cleaner", for use on powdered hand cleaner *Held* not confusingly similar to the trade-mark "Oakite" used on goods of the same descriptive properties.

APPEAL from Patent Office. Affirmed.

Mr. Louis Alexander for Oakite Products, Inc.

Mr. Arthur Hale (*Mr. Charles R. Allen* of counsel) for H. Kirk White & Co.

GARRETT, *P. J.*:

This is an appeal in a trade-mark opposition proceeding originating in the United States Patent Office, appellant being the opposer. The Examiner of Interferences dismissed the opposition and adjudged appellee entitled to registration. The Commissioner of Patents affirmed his decision. From the decision of the latter the instant appeal was taken.

On November 12, 1936, appellee made application for registration, under the act of February 20, 1905, of the notation "So-White Hand Cleaner" for use on a "Powdered Hand Cleaner." There was disclaimer as to the words "Hand Cleaner." We note that the symbol representing what is referred to as the letter "o" following the "S", as shown on the specimen, is not, in fact, in the form of that letter but is a solid white disk. However, it is assumed that in pronouncing the compound word the long "o" sound is given. Use of the mark was claimed "since September 15, 1936." The merchandise is described in a stipulation of counsel for the respective parties as "a slightly saponifying detergent containing no abrasives," and it is stated that it is marketed in bulk and in packages. Samples of the packages were filed as exhibits.

Appellant in due time filed notice of opposition to the registration, pleading its use and registration of the term "Oakite" on a product alleged, in effect, to possess the same descriptive properties as the powdered hand cleaner of appellee.

Ownership of several registrations of the term "Oakite" is alleged in the notice of opposition and the certificates of two of these are embraced in the record. The last of these, No. 330,255 bears date of November 26, 1935, which was prior to the date of appellee's application. So far as the certificate standing alone is concerned, it does not indicate that the product to which the mark was being applied was one for use upon the person. It recites that it is for "chemical compounds having water-softening qualities" recommended for "cleansing, washing and polishing" a variety of articles named. However, it is shown by the record that at least one of the Oakite company's products to which the mark is applied has been widely advertised as being especially useful in removing grease and oil from hands.

[1] No oral testimony was taken but stipulations as to certain testimony and facts were entered into and filed on behalf of both parties. It is unnecessary to review those at length. In the decision of the Examiner of Interferences it was said:

> The merchandise sold by the opposer is a non-saponaceous chemical cleaning preparation put up in granulated or powder form, which has been marketed in bulk and in retail packages for many years. As indicated by the exhibits referred to in paragraph 8 of the stipulated evidence, this preparation is recommended for a multiplicity of household and other uses, such as for cleansing dishes, cooking utensils, painted or varnished surfaces, clothing, etc. It is also recommended for washing hands. To summarize, it is believed that the goods of the opposer is a detergent material of general utility.
>
> The goods of the applicant is described as a "powdered hand cleaner" and as such possesses a specifically different trade appeal from the goods of the opposer.

In both instances the goods are shown to have been sold for household use and the Commissioner expressly held them to be of the same descriptive properties. We are of the opinion that such holding was correct.

So, the issue is limited to the question of similarity of the marks—specifically whether they are so similar as to be likely to cause confusion in the mind of the public or deceive purchasers as to origin.

Appellant points out that both marks comprise two-syllable words; that the letter "o" is common to both and that each ends in the suffix "ite." It is not insisted, however, that in actual physical appearance there is any close resemblance, appellant stressing more especially the element of "phonetic similarity."

The principal court decisions cited by appellant are one of this court in the case of *The Buckeye Soda Co.* v. *Oakite Products, Inc.*, 19 C. C. P. A. (Patents) 1034, 56 F.(2d) 462, where we held "Novite" and "Oakite" to be confusingly similar, affirming the decision of the Commissioner of Patents in that respect, and a decision of the Supreme Court of the State of New York in the case of *Oakite Products, Inc.*, v. *Boritz et al.*, 161 Misc. (N. Y.) 807, enjoining use by the latter of the word "Borite" on the ground that it infringed "Oakite." There were also cited several decisions of the tribunals of the Patent Office in opposition and cancellation cases where appellant has prevailed against various marks, such as "Ozite", "Florite",

"Colite", "Soakwhite", and others wherein the letter "o" appeared, "ite" constituting the suffix.

We, in common with other courts, frequently have had occasion to point out that each trade-mark case where the issue involved is solely that of similarity of marks must, in the final analysis, be determined largely upon the basis of opinion as to such similarity and not by comparison with other cases involving other words.

[2] In the instant case we see practically no physical resemblance between the contesting marks, each considered as a whole, nor is there any resemblance in the per se meaning of the terms. "Oakite" appears to be a purely arbitrary term. It is not suggestive of any quality of appellant's hand cleaner nor of any result obtained from its use. "So-White" may be somewhat suggestive of quality or result, but, as was said below in substance, it consists of a combination of two ordinary English words and its meaning is hardly capable of being misunderstood.

It is true that because of the presence of "o" (in appellee's case of a symbol so pronounced), and the suffix "ite", a certain resemblance in sound may result from the pronunciation of the terms, and, as has been stated, this is stressed by counsel for appellant. We have taken note of phonetic similarity in many cases when it appeared that the conflicting words might easily be confused in pronunciation, but in the instant case we find no ground for believing that any such confusion might reasonably be anticipated. The rule of phonetic resemblance, if it may be so designated, should not be applied because of a mere possibility of occasional confused enunciation of words. There should be a reasonable probability at least. We do not think such probability may be assumed in this case.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,197,166. (See 1,428,762.)

1,221,030, H. D. Currier, Telephone system; 1,283,400, same, Trunk circuit; 1,261,492, H. D. Currier et al., Telephone system; 1,556,761, Currier & Eaton, Trunk circuit; 1,594,877, same, Telephone system, D. C., W. D. N. Y., Doc. 350, *Kellogg Switchboard & Supply Co.* v. *New York Telephone Co. et al.* Dismissed with prejudice Nov. 9, 1939.

1,261,492. (See 1,221,030.) 1,283,400. (See 1,221,030.)

1,316,477. (See 1,428,762.) 1,358,182. (See 1,428,762.)

1,428,762, 1,316,477, H. D. Currier, Telephone system; 1,438,170, same, Telephone system with flickering recall; 1,197,166, C. S. Winston, Universal cord circuit for telephone systems; 1,358,182. C. Sparks, Trunk circuit; 1,566,622, W. G. Shull, Telephone system, D. C., W. D. N. Y., Doc. 351, *Kellogg Switchboard & Supply Co.* v. *New York Telephone Co. et al.* Dismissed with prejudice, except as to Patent 1,428,762 (without prejudice) Nov. 9, 1939.

1,438,170. (See 1,428,762.)

1,477,744, H. J. Yaghubian, Reversible coat, filed Nov. 9, 1939, D. C., S. D. N. Y., Doc. 6/245, *H. J. Yaghubian* v. *M. S. Hillson* (*Neptune Raincoat Co.*).

1,534,663, Sammis & Hood, Grader, filed Oct. 20, 1939, D. C., S. D. Calif., N. Div., Doc. 39, *L. B. Sammis et al.* v. *Superior Olive Products Co.*

1,543,587, J. F. O'Malley, Safety razor, C. C. A., 4th Cir., Doc. 4526, *Gillette Safety Razor Co.* v. *Cliff Weil Cigar Co., Inc.* Decree affirmed Nov. 6, 1939.

1,556,761. (See 1,221,030.) 1,566,622. (See 1,428,762.)

1,574,586, Loucks & Gillett, Building construction, C. C. A., 6th Cir., Doc. 7909, *The R. C. Mahon Co.* v. *Detroit Steel Products Co.* Claims 5, 6, and 7 held invalid Nov. 9, 1939.

1,577,935, J. C. Runkle, Split wood shingle, D. C., W. D. Wash., N. Div., Doc. 1223, *Resawn Shakes, Inc.*, v. *S. Janicki.* Decree for defendant, patent held invalid Aug. 18, 1939.

1,594,877. (See 1,221,030.)

1,761,470, G. L. Fisk, Cooling bed; 1,964,147, same, Material handling apparatus, D. C., E. D. Pa., Doc. 9915, *Mesta Machine Co. et al.* v. *Treadwell Engineering Co.* Consent decree granting injunction as to certain claims of 1,761,470 and dismissing bill without prejudice as to 1,964,147 Apr. 21, 1939.

1,762,903, J. F. Werder, Self-dispensing liquid package; 1,788,261, same, Sheet metal can and method of making same, C. C. A., 6th Cir., Doc. 7933, *J. F. Werder et al.* v. *Continental Can Co., Inc.* Claim 10 of 1,762,903 held invalid; claims 3, 8, and 12 of 1,788,261 held not infringed; bill dismissed (notice Nov. 15, 1939).

1,763,046, 1,801,553, D. D. Heimburger, Automobile washing apparatus, filed Nov. 1, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 641–B, *Kelite Products, Inc.*, v. *Turco Products, Inc.*

1,770,593, N. V. Johnson, Drier apparatus; 1,998,159, N. V. Johnson et al., Hair drying apparatus; Des. 93,358, Ordin & Ordin, same, D. C., S. D. Calif. (Los Angeles), Doc. 105–Y, *P. H. Ordin et al.* v. *Gibbs & Co. et al.* Dismissed as to Gibbs & Co. a New Jersey corporation, for failure of proof of infringement, and against all of the other parties for lack of proper service upon them Nov. 7, 1939.

1,770,932, A. G. Leake, Method of strengthening structural members under load, appeal filed Nov. 8, 1939, C. C. A., 2d Cir., Doc. —, *A. G. Leake* v. *The New York Central Rrd. Co.*

1,771,386, H. D. Currier, Telephone system, C. C. A., 6th Cir., Doc. 7810, *L. L. Williams et al.* v. *Allied Metal Products Corp.* Patent held not infringed, decree affirmed Nov. 10, 1939.

1,788,261. (See 1,762,903.)

1,797,149, E. M. Jensen, Sound head for motion picture projector, D. C., W. D. Wash., N. Div., Doc. 1048, *Masterphone Sound Corp.* v. *Universal High Power Telephone Co. et al.* Dismissed May 2, 1939.

1,801,553. (See 1,763,046.)

1,811,984, P. M. Taft, Jacket for coverings for steam or other pipes, filed Nov. 10, 1939, D. C., S. D. N. Y., Doc. 6/262, *P. M. Taft* v. *Keasbey & Mattison Co.*

1,875,297, W. R. Gillies, Heat insulating material, filed Nov. 8, 1939, D. C., E. D. Pa., Doc. 630, *Union Asbestos & Rubber Co.* v. *Raybestos-Manhattan, Inc.*

1,877,824, F. Delphanque, Machine for sewing velvet on to fabrics of any kind, filed Nov. 9, 1939, D. C., N. D. Ga. (Rome), Doc. 318, *W. E. Dellinger* v. *H. F. Jones* (*Highway Arts*). Doc. 319, *W. E. Dellinger* v. *B. J. Bandy* (*Southern Craft Co.*).

1,880,192, 1,963,348, 1,963,349, E. E. Boyce, Sewing machine; 1,984,772, W. C. Stewart, Combined looper and loop cutting attachment for sewing machines, D. C., N. D. Ga. (Rome), Doc. 276, *The Boysell Co.* v. *Colonial Chenille Corp. et al.* Dismissed as to Royal Bedspread Co., injunction Oct. 13, 1939.

1,882,306. (See 1,928,468.)

1,885,527, A. Luft, Garment, filed Nov. 8, 1939, D. C., S. D. N. Y., Doc. 6/242, *Sporting Footwear Co., Inc.*, v. *A. Unger et al.* (*A. Unger & Son*).

1,886,577, A. Ousdahl, Coal burning apparatus; 1,912,876, E. T. Warner, Burner construction, D. C., E. D. Pa., Doc. 9877, *W. T. Gardiner et al.* v. *Freed Heater Mfg. Co.* Dismissed Dec. 7, 1938.

1,888,684. (See Re. 18,682.)

1,912,876. (See 1,886,577.)

1,913,681. (See Re. 18,109.)

1,928,468, A. H. Tinnerman, Fastening device; 2,062,685, 2,101,287, 1,882,306, G. A. Tinnerman, same; 2,173,544, same, Fastener, filed Nov. 10, 1939, D. C., E. D. Mich., S. Div., Doc. 1492, *A. H. Tinnerman* v. *Detroit Harvester Co.*

1,931,313, O. Barnack, Coupling between objective adjustment and distance gage in cameras, D. C., S. D. N. Y., Doc. E 87/307, *E. Leitz et al.* v. *Hugo Meyer & Co., Inc.* Consent decree for plaintiff (notice Nov. 8, 1939).

1,957,192, G. Ainsworth, Lighting fixtures, D. C., E. D. Pa., Doc. 9591, *G. Ainsworth* v. *Gill Glass & Fixture Co.* Dismissed Dec. 21, 1938.

1,963,348. (See 1,880,192.) 1,963,349. (See 1,880,192.)

1,964,147. (See 1,761,470.) 1,984,772. (See 1,880,192.)

1,998,159. (See 1,770,593.) 2,015,217. (See 2,018,294.)

2,018,294, R. W. Baily, Apparatus for eliminating the transmission of vibrations; 2,094,910, same, Apparatus for compacting and surfacing plastic material; 2,110,413, same, Apparatus for controlling the transmission of vibrations; 2,015,217, M. Deniau, Method based upon the use of vibrations and apparatus therefor, D. C., S. D. Iowa, C. Div., Doc. E 4651, *L. W. Bailey* (*Bailey Vibrator Co.*) v. *Sani Construction Co.* Dismissed Nov. 8, 1939.

2,039,694. (See Re. 18,682.)

2,052,221, W. J. Dubil, Method of preparing fresh meat, filed Nov. 7, 1939, D. C. Colo. (Denver), Doc. 118, *W. J. Dubil et al.* v. *G. J. Brower* (*The Flake Steak Co.*).

2,062,685. (See 1,928,468.)

2,093,859, D. E. Austin, Vehicle body, D. C., W. D. Wash., N. Div., Doc. 41, *Yellow Truck & Coach Mfg. Co.* v. *B. C. Motor Transportation, Ltd.* Decree by agreement July 1, 1939.

2,094,910. (See 2,018,294.)

2,099,815, J. R. Lewis et al., Pre-cooling apparatus, D. C., E. D. La. (New Orleans), Doc. 155, *American Conditioners, Inc.*, v. *Strawberry Precooling Co., Inc.* Injunction (notice Nov. 8, 1939).

2,101,287. (See 1,928,468.)

2,102,462, T. L. Howell, Hanger, D. C., S. D. N. Y., Doc. E 87/169, *Silvray Lighting, Inc.*, v. *K. Versen, Inc., et al.* Consent order of discontinuance (notice Nov. 9, 1939).

2,110,413. (See 2,018,294.)

2,143,677, R. H. Bradwell, Tufting machine; 2,143,678, 2,143,679, Baggett & Gordon, Tufting machine, D. C., N. D. Ga. (Rome), Doc. 277, *Polly-Prentiss, Inc., et al.* v. *Colonial Chenille Corp. et al.* Order dismissing action as to Royal Bedspread Co., injunction Oct. 13, 1939.

2,143,678. (See 2,143,677.) 2,143,679. (See 2,143,677.)

2,144,051, C. J. Frankforter, Method of treating water, filed Nov. 13, 1939, D. C. Nebr. (Lincoln), Doc. 42, *City of Lincoln, Nebr.*, v. *C. J. Frankforter.*

2,173,544. (See 1,928,468.)

Re. 18,109, G. E. Otis, Heating and ventilating apparatus; 1,913,681, same, Method of heating and ventilating, D. C., E. D. Pa., Doc. 9883, *The Herman Nelson Corp.* v. *J. C. Kohler Co.* Consent decree for plaintiff Oct. 20, 1939.

Re. 18,682, McCune & Johnson, Vacuum operated horn; 2,039,694, F. von Voigtlander, Diaphragm horn; 1,888,684, L. H. Middleton, Signaling, C. C. A., 6th Cir., Doc. 7888–9, *The Westinghouse Air Brake Co. et al.* v. *Schwarze Electric Co.* Claims 1, 4, and 5 of Re. 18,682 and claims 1 to 6 and 8 of 2,039,694 held invalid Nov. 9, 1939.

Des. 43,459, Kellner & Worms, Knitted necktie, D. C., E. D. Pa., Doc. 3883, *Franklin Knitting Mills* v. *L. Braude et al.* (*Gladstone Knitting Mills*). Doc. 3889, *Franklin Knitting Mills, Inc.*, v. *I. M. Silmore et al.* (*Silmore & Andrews*). Dismissed June 20, 1939, in both cases.

Des. 93,358. (See 1,770,593.)

Des. 116,640, M. Solash, Hat, D. C., S. D. N. Y., Doc. 6/104, *M. Solash* v. *United Headwear Corp.* Consent decree for plaintiff (notice Nov. 13, 1939).

Des. 116,774, S. J. Goldstein, Dress, filed Nov. 9, 1939, D. C., S. D. N. Y., Doc. 6/256, *Babs Junior, Inc.*, v. *Perky Frox, Inc.* Doc. 6/255, *Babs Junior, Inc.*, v. *Trussel Dress Co., Inc.*

Des. 116,980, C. Mascitelli, Dress ensemble, D. C., S. D. N. Y., Doc. 6/110, *New Deb Dance Frocks, Inc.*, v. *J. Spiegel* (*Sorority Formals*). Decree for plaintiff (notice Nov. 13, 1939).

Des. 117,027, D. Haon, Dress, filed Nov. 10, 1939, D. C., S. D. N. Y., Doc. 6/258, *Sheila-Lynn, Inc.*, v. *Lombardy Dresses, Inc.*

Des. 117,037, E. L. Espen, Textile fabric, filed Nov. 9, 1939, D. C., S. D. N. Y., Doc. 6/257, *E. L. Espen et al.* v. *Doblin Corp. et al.*

Des. 117,166, M. Croizat, Dress, filed Nov. 9, 1939, D. C., S. D. N. Y., Doc. 6/253, *Babs Junior, Inc.*, v. *Smiling Deb, Inc.*

T. M. 95,968, T. M. 95,969, S. F. Whitman & Son, Inc., Candy confections; T. M. 155,868, same, Candy, D. C., W. D. Wash. (Seattle), Doc. 1064, *S. F. Whitman & Son, Inc.*, v. *Imperial Candy Co.* Dismissed Nov. 1, 1938.

T. M. 95,969. (See T. M. 95,958.)

T. M. 155,868. (See T. M. 95,968.)

Adjudicated Patents

(C. C. A. N. Y.) Aronson patent, No. 1,673,727, for cigar lighter, claims 7, 13, and 14 *Held* valid and infringed. *Art Metal Works* v. *Abraham & Straus*, 107 F.(2d) 940.

(C. C. A. Conn.) Gauvin patent, No. 1,783,839, for roof covering, claims 1 to 4 *Held* invalid. *Gauvin* v. *Smith*, 107 F.(2d) 904.

Disclaimers

1,956,327.—*Theophil E. Jerabek*, East Cleveland, Ohio. MATERIAL FOR ARC WELDING. Patent dated April 24, 1934. Disclaimer filed January 19, 1940, by the assignee, *The Lincoln Electric Company.*

Hereby enters this disclaimer to the claims in said specification as follows—

In each of claims 1, 2, 3, 4, and 5, we disclaim any covering set forth in said claims, respectively, which includes, in addition to the constituents named, any substantial amount of a halogen-containing compound.

In claim 6 we disclaim any covering set forth in said claim, which includes, in addition to the constituents named, any substantial amount of a nonsilicious slag-forming constituent.

In claim 7 we disclaim any composition set forth in

said claim which includes, in addition to the constituents named, any substantial amount of a halogen-containing compound.

1,972,253.—*Clarence W. Vogt*, Louisville, Ky. PROCESS AND APPARATUS FOR PREPARING AND PACKING FOOD PRODUCTS. Patent dated September 4, 1934. Disclaimer filed January 25, 1940, by the assignee, *The Girdler Corporation*.

Hereby enters disclaimer of the subject matter of claims 3 and 4 of said Letters Patent.

2,056,219.—*William B. Stout* and *Evan H. Wright*, Detroit, Mich. CAR TRUCK. Patent dated October 6, 1936. Disclaimer filed January 16, 1940, by the assignee, *Pullman-Standard Car Manufacturing Co.*

Hereby enters this disclaimer of claim 20 in said specification.

2,119,061.—*Irving M. Stein* and *Jacob C. Peters, Jr.*, Philadelphia, Pa. CONTROL METHOD AND APPARATUS. Patent dated May 31, 1938. Disclaimer filed January 22, 1940, by the assignee, *Leeds & Northrup Company*.

Hereby disclaims the subject matter of claims 4 and 6 of said Letters Patent; and disclaims from the subject matter and scope of claim 10 of said Letters Patent those systems of control which are not characterized by the fact that "a member deflecting in accordance with the change in magnitude of a condition", so identified in said claim, deflects from its neutral position regardless of the last prior magnitude of said condition; and which are not further characterized by the fact that "an element", first identified in aforesaid claim, is so adjusted after and in response to deflections of said member that its position from a neutral position, unrelated to aforesaid neutral position of said deflecting member, substantially corresponds to the existing deviation of the magnitude of said condition from the desired magnitude.

2,124,549.—*Thomas A. Dicks*, Pittsburgh, Pa. PROPELLER BLADE. Patent dated July 26, 1938. Disclaimer filed January 17, 1940, by the inventor; the assignee, *United Aircraft Corporation*, consenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 15, 16, 18, 19, and 20.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,080,100, Gustav Tauschek, Method and means for storing and selecting records, decided January 23, 1940, claim 5.

Pat. 2,087,942, W. M. West, Cork composition, decided January 24, 1940, claim 1.

Pat. 2,135,572, W. B. Fried, Building covering unit, decided January 5, 1940, claims 1, 2, 3, 4, and 5.

Pat. 2,144,061, J. C. Hewitt, Jr., and V. E. Kuster, Means to orient a tool in a well, decided January 20, 1940, claims 1, 2, and 3.

Pat. 2,154,162, J. C. Hewitt, Jr., and V. E. Kuster, Means to orient tools in a well, decided January 20, 1940, claims 1, 2, 3, and 7.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 13, 1940

[VOL. 511. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 426,403. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 9, 1939.

F. T. R.

For Rubber Substitute.
Claims use since Dec. 6, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 418,022. GEORG WENGER CORPORATION, New York, N. Y. Filed Apr. 8, 1939.

"SHORTRIP"

For Hand Bags, Boston Bags, Bathing Bags, Beach Bags, Brief Cases, Dressing Cases, Overnight Cases, Picnic Cases, Pocketbooks, Portfolios, Secretary Cases, Suitcases, Utility Cases, Wardrobe Cases, Weekend Cases.
Claims use since Apr. 4, 1939.

Ser. No. 420,093. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed June 2, 1939.

ESCO

For Bags, Cases, and Grips in the Nature of Hand Luggage Particularly Adapted for Use by Embalmers and Sold as Such in the Trade.
Claims use since Aug. 1, 1896.

Ser. No. 421,566. THE DAVID'S FIFTH AVENUE CORPORATION, New York, N. Y. Filed July 14, 1939.

Captive

For Ladies' Handbags, Pocketbooks, Purses, Billfolds, Wallets, and Portfolios.
Claims use since Jan. 2, 1935.

Ser. No. 426,166. LIDO LUGGAGE CO., INC., New York, N. Y. Filed Dec. 2, 1939.

PACKMASTER

For Hand Luggage for Men and Women—Namely, Hand Bags, Satchels, Grips, Valises, Gladstones, Suit Cases, Over-Night Bags, Wardrobe Suit Cases, Wardrobe Hat Bags, Tourist Cases, Utensil Cases for Toilet Accessories, and Fitted Cases.
Claims use since Nov. 25, 1939.

Ser. No. 426,236. WEINLICH-HATHEWAY, INC., New York, N. Y. Filed Dec. 4, 1939.

VISUALOZER

For Sample or Swatch Carriers or Folders of Swatches or Display Books.
Claims use since October, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 408,872. BEHR-MANNING CORPORATION, Troy, N. Y. Filed July 25, 1938.

Speed

For Flexible Abrasives, Coated on Cloth or Paper, or Both.
Claims use since Mar. 27, 1919.

Ser. No. 425,429. THE SELIO COMPANY, Atlanta, Ga. Filed Nov. 8, 1939.

KLENEXO

For Cleansing Preparation for Washing Dishes, Pans, Kettles, Silverware, Marble, Tile, Painted Surfaces, Rubber Tile, and for Laundry Use.
Claims use since June 3, 1931.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 397,383. P. SASSO E FIGLI, Oneglia, Italy. Filed Sept. 13, 1937.



The representation of the label per se and all notations with the exception of the names "Sasso" and "P. Sasso & Figli" are disclaimed apart from the mark.
For Olive Oil Used for Medicinal Purposes.
Claims use since Apr. 19, 1911.

Ser. No. 399,638. TENNESSEE CORPORATION, New York, N. Y. Filed Nov. 9, 1937.

TC

For Copper Sulphates, Sulphuric Acid, Manganese Sulphate, Zinc Sulphate, Sodium Silicofluoride, Copper Lime Dust, Nicotine Dust, Lime Sulphur Solution, Dusting Sulphur, Insecticides.
Claims use since January, 1933.

Ser. No. 418,229. CHARLES E. FROSST & CO., Montreal, Quebec, Canada. Filed Apr. 13, 1939.

RESTROPIN

For Medicinal Preparation, the Active Ingredient of Which is an Extract Derived from Animal Tissues, Which Stimulates the Reticulo-Endothelial System.
Claims use since Nov. 11, 1938.

Ser. No. 419,789. MAX BERG, doing business as Berg Manufacturing Company, Tulsa, Okla. Filed May 25, 1939.

Snak

For Insecticides.
Claims use since Apr. 1, 1939.

Ser. No. 421,052. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed June 28, 1939.

HYAMINE

For Chemical Compounds Which are Phenolic Tertiary Amines Useful as Corrosion Inhibitors in Oil Systems, as Fungicides and Germicides in Aqueous Systems, and as Intermediates in the Preparation of Various Other Chemical Compounds.
Claims use since Sept. 14, 1934.

Ser. No. 421,354. SAPROCHI S. A., Geneva, Switzerland. Filed July 7, 1939.



No claim is made to the words "Magnesia" and "Idrata" apart from the mark.
For Magnesite.
Claims use since May 12, 1939.

Ser. No. 422,386. VINCENT TORNABENE, Chicago, Ill. Filed Aug. 7, 1939.



The notation "for Burns" is disclaimed apart from the mark.
For Salve for Treating Burns, Sunburn, Skin Cuts, Bruises, Ulcerations, and the Like.
Claims use since January, 1939.

Ser. No. 422,561. HELENE WINTERSTEIN NÉE VIERTHALER, Vienna, Germany. Filed Aug. 12, 1939.

BELLANUSSI

For Make-Up Preparation for Eye-Lashes.
Claims use since Aug. 18, 1936.

Ser. No. 422,855. HOUSE OF HOLLYWOOD, Los Angeles, Calif. Filed Aug. 22, 1939.



No claim is made to the word "Beverly" apart from the mark.
For Cosmetics—Namely, Lotions, Skin Tonic, Rouge, Lipstick, Face Powder, Powder Base, Perfumes, Cleaning Cream, Cold Cream, Night Cream, and Hand Cream.
Claims use since July 27, 1939.

Ser. No. 422,925. CLIFFS DOW CHEMICAL COMPANY, Marquette, Mich. Filed Aug. 24, 1939.

CLIFFCHAR

For Charcoal and Activated Carbon for General Use in the Chemical Arts.
Claims use since October, 1934.

Ser. No. 423,845. THE BLISH, MIZE AND SILLIMAN HARDWARE COMPANY, Atchison, Kans. Filed Sept. 22, 1939.

EconoGas

Applicant disclaims the word "Gas" apart from the mark.
For Liquefied Petroleum Gas.
Claims use since June 1, 1939.

Ser. No. 424,116. WM. W. BEWLEY, doing business as Fun-Joys Company, Anderson, S. C. Filed Oct. 2, 1939.

FUN-JOYS

For Antacid Tablet Packed in Rolls Similar to Candy Mints.
Claims use since June 14, 1939.

Ser. No. 424,341. CHARLES THOMAS BROMLEY, doing business as B. I. C. Laboratories and Bromley's Pharmacy, Cincinnati, Ohio. Filed Oct. 9, 1939.

B-I-C

For Alkaline Laxative Preparation in Powder Form Used Also as a Medicine for Heart Burn, Sour Stomach, and Excess Stomach Acidity.
Claims use since Jan. 1, 1939.

Ser. No. 424,605. ROBERTO SALAZAR, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif. Filed Oct. 16, 1939.

RUNATON

For Preparation Used in the Treatment of Kidney Disorders.
Claims use since Aug. 21, 1939.

Ser. No. 424,620. THE DOW CHEMICAL COMPANY, San Francisco, Calif. Filed Oct. 17, 1939.



The word "Brand" is disclaimed apart from the mark.
For Ammonium Sulfate, Ammonium Chloride, Caustic Soda, Caustic Potash, Flake Lye, Chloride of Lime, Bleaching Powder, Sodium Hypochlorite, Liquid Chlorine, Ferric Chloride, Zinc Hydrosulphite, Zinc Chloride, Diammonium Phosphate, Anhydrous Ammonia, Aqua Ammonia, Sulfur Dioxide, Sodium Ethyl Xanthate, Potassium Butyl Xanthate, Potassium Secondary Butyl Xanthate, Potassium Amyl Xanthate, Potassium Pentasol Xanthate, Zinc Ethyl Xanthate, Copper Ethyl Xanthate, Potassium Furfuryl Xanthate, Ethyl Dixanthogen, Butyl Dixanthogen, Amyl Dixanthogen, Methyl Chloride, Methylene Chloride, Chloroform, Carbon Tetrachloride, Hexachlorethane, Perchlorethylene, Potassium Metabisulfite, Methyl Bromide, Mixtures of Chloroform, and Carbon Tetrachloride.
Claims use since Jan. 1, 1917.

Ser. No. 424,754. PAUL S. CASEY, doing business as Vitamineral Products Company, Peoria, Ill. Filed Oct. 20, 1939.

Via-D-Mineral

The term "Mineral" is disclaimed apart from the mark.
For Compound Containing Various Minerals To Be Mixed With Feed Rations of Animals for Purposes of Correcting and Preventing Feed Deficiencies.
Claims use since Apr. 1, 1921.

Ser. No. 424,872. LORRAINE FOSTER, New York, N. Y. Filed Oct. 25, 1939.

LOFOS

For Toilet Preparation—Namely, a Preparation for Use as a Deodorant and for Relieving the Discomfort of Athlete's Foot.
Claims use since Oct. 23, 1939.

Ser. No. 424,928. JACOB OSTERWEIL, doing business as Dexter Laboratories, New York, N. Y. Filed Oct. 26, 1939.

EFRAN

For Hemorrhoidal Suppositories.
Claims use since Aug. 15, 1939.

Ser. No. 425,159. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Nov. 2, 1939.

POLYNOL

For Glycerine Substitutes, Interaction Products of Aldehydes and Ketones, Polymethylol Acetones and Other Polyalkylol Ketones and the Derivatives Thereof.
Claims use since Mar. 29, 1938.

Ser. No. 425,252. CLIFF C. OWEN, doing business as Owen Drug Co. and O-N Drug Products Co., Salisbury, N. C. Filed Nov. 4, 1939.

O-N

For Preparations for Colds.
Claims use since 1927.

Ser. No. 425,259. SOCIETE NOBEL FRANCAISE, Paris France. Filed Nov. 4, 1939.

EMTEX

For Dressings for Textile Fabrics.
Claims use since March, 1939.

Ser. No. 425,518. MARVIN M. GREENE, New York, N. Y Filed Nov. 10, 1939.

Isle OF Spice

No claim is made to the word "Spice" apart from the mark.
For Perfume.
Claims use since Nov. 3, 1939.

Ser. No. 426,048. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla. Filed Nov. 29, 1939.

PETROLENE

For Petroleum By-Product Cut to Specifications for the Purpose of Replacing the Use of Benzol in the Lacquer and Rubber Industries.
Claims use since Nov. 13, 1939.

Ser. No. 426,068. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Nov. 29, 1939.

PROCTER & GAMBLE · PRODUCTS ·

The word "Products" is disclaimed apart from the mark.
For Glycerine.
Claims use since June 1, 1935.

Ser. No. 426,094. KREMERS URBAN COMPANY, Milwaukee, Wis. Filed Nov. 30, 1939.

ESTRUGENONE

For Therapeutic Products Comprising Estrogenic Compounds Put Up in Tablet, Ointment, and Suppository Forms, or Dissolved in Vegetable Oil.
Claims use since May 1, 1939.

Ser. No. 426,101. MAHER COLOR & CHEMICAL CO., INC., Chicago, Ill. Filed Nov. 30, 1939.

RAFAST

For Bulk Dye Stuffs for Use By Commercial Dyers and Manufacturers.
Claims use since Aug. 31, 1932.

Ser. No. 426,112. THE WELCOME-BLESSING COMPANY, Eastman, Ga. Filed Nov. 30, 1939.

TEN-TOW

For Foot Lotion.
Claims use since June 1, 1939.

Ser. No. 426,199. THE HOUSE OF HOLLYWOOD, Los Angeles, Calif. Filed Dec. 4, 1939.

PEACH SKIN

The word "Skin" is disclaimed apart from the mark.
For Cosmetics and Toilet Preparations—Namely, Facial Scrub and Facial Pack.
Claims use since July 1, 1938.

Ser. No. 426,230. SENNEWALD DRUG COMPANY, INC., St. Louis, Mo. Filed Dec. 4, 1939.

SENCO

For Insecticides, Rodenticides.
Claims use since May 31, 1935.

Ser. No. 426,357. CARBO-FUNG CHEMICAL LABORATORY, Los Angeles, Calif. Filed Dec. 8, 1939.

C-F SOLUTION

No claim is made to the word "Solution" apart from the mark.
For Germicide and Antiseptic for Use as an External Application Where Inflammation is Accompanied By Localized Bacterial or Fungus Activity.
Claims use since Nov. 4, 1939.

Ser. No. 426,386. WHITE LABORATORIES, INC., Newark, N. J. Filed Dec. 8, 1939.

HAN-D-MINT

The word "Mint" is disclaimed apart from the mark.
For Preparation to Aid Digestion.
Claims use since Dec. 5, 1939.

Ser. No. 426,404. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Dec. 9, 1939.

AUTOXAL

For Photographic Chemicals.
Claims use since Aug. 19, 1939.

Ser. No. 426,431. WILLIE MARIE BODDIE, doing business as Health-Tol Products Co., Detroit, Mich. Filed Dec. 11, 1939.

Health-tol

Applicant disclaims the term "Health" apart from the mark.
For Tooth Powder.
Claims use since December, 1938.

Ser. No. 426,627. MYSTERIOUS CHEMICAL COMPANY, INC., New York, N. Y. Filed Dec. 15, 1939.

MYSTERIOUS



"They Mysteriously Disappear"

For Powders and Liquids for Exterminating and Control of Vermin; Insecticides, and Mice and Rat Exterminating Preparations.
Claims use since Nov. 23, 1920.

CLASS 11

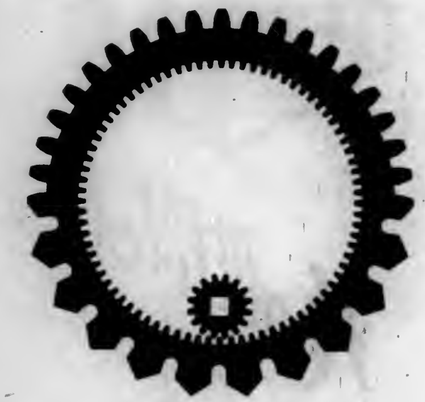
Inks and Inking Materials

Ser. No. 424,252. ALLIED CARBON AND RIBBON MFG. CORP., New York, N. Y. Filed Oct. 6, 1939.

ECHO

For Carbon Paper and Typewriter Ribbons.
Claims use since Sept. 15, 1939.

Ser. No. 425,524. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Nov. 10, 1939.



For Printing Ink; Ink Pads for Inking Type and Electros; Ink Ribbons; Ink Rolls for Inking Type and Electros; and Ink Applicators for Inking Rolls and Pads.
Claims use since Nov. 1, 1939.

Ser. No. 425,525. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Nov. 10, 1939.

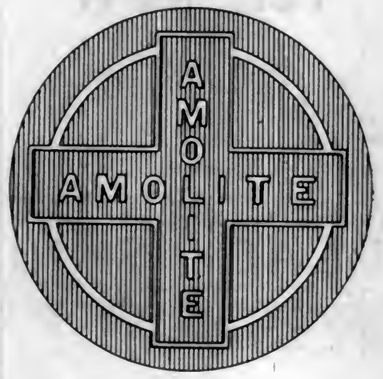


For Printing Ink; Ink Pads for Inking Type and Electros; Ink Ribbons; Ink Rolls for Inking Type and Electros; and Ink Applicators for Inking Rolls and Pads.
Claims use since Nov. 1, 1939.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 425,383. THE AMOLITE CORP., Akron, Ohio. Filed Nov. 8, 1939.



The drawing is lined for red.
For Toilet Seats.
Claims use since Mar. 1, 1928.

CLASS 15

Oils and Greases

Ser. No. 411,681. DRYER, CLARK & DRYER OIL COMPANY, Oklahoma City, Okla. Filed Oct. 17, 1938.



No claim is made to the words "Gasoline" and "High Compression".
For High Compression Gasoline.
Claims use since Jan. 1, 1927.

Ser. No. 420,651. HOBB SWETNAM COMPANY, Wichita Falls, Tex. Filed June 17, 1939.



For Penetrating Lubricating Oil for Use in Motors, Cylinders, and Machinery for the Purpose of Lubrication, Reduction, and Removal of Carbon, Gums, and the Like, Increasing Efficiency and Prolonging the Life of Motors and Cylinders.
Claims use since May 1, 1938.

Ser. No. 421,583. WILLIAM ROSENBERG, Chicago, Ill. Filed July 14, 1939.



For Lubricant in Powdered Form.
Claims use since June 1, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 425,268. ANDREW BROWN COMPANY, Los Angeles, Calif. Filed Nov. 6, 1939.



No claim is made to the word "Kote" apart from the mark.
For Enamel Paint.
Claims use since Oct. 7, 1939.

Ser. No. 426,091. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J. Filed Nov. 30, 1939.



For Automobile Polish.
Claims use since Nov. 6, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 419,052. THE COLSON CORPORATION, Elyria, Ohio. Filed May 29, 1939.



For Bicycles.
Claims use since Mar. 26, 1934.

Ser. No. 426,019. BRITE-VUE PRODUCTS CO., Norwalk, Conn. Filed Nov. 28, 1939.



For Vehicle Accessories—Namely, Vehicle Rearview Mirrors, Mirror Heads, and Fender Guides.
Claims use since Nov. 20, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 424,973. PIER EQUIPMENT MANUFACTURING CO., Benton Harbor, Mich. Filed Oct. 27, 1939.

PEER

For Electrical Welding Equipment—Namely, Resistance Welders, Spot Welders, and Arc Welders; Automotive Electrical Equipment—Namely, Battery Chargers and Rectifiers.
Claims use since Aug. 1, 1939.

Ser. No. 425,726. BARDWELL & MCALISTER, INC., Los Angeles, Calif. Filed Nov. 17, 1939.

FOCO-SPOT

The drawing is lined for red and gold. The word "Spot" is disclaimed apart from the mark.
For Electrical Arc Lamps.
Claims use since Jan. 15, 1939.

Ser. No. 425,727. BARDWELL & MCALISTER, INC., Los Angeles, Calif. Filed Nov. 17, 1939.

KEG-LITE

The drawing is lined for red and gold. The word "Lite" is disclaimed apart from the mark.
For Electrical Arc Lamps.
Claims use since July 1, 1936.

Ser. No. 425,768. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Nov. 17, 1939.

H-R

For Storage Batteries and Parts Thereof.
Claims use since May 9, 1939.

Ser. No. 426,411. MCCRORY STORES CORPORATION, New York, N. Y. Filed Dec. 9, 1939.



The drawing is lined for blue, red, and silver.
For Dry Cell and Flashlite Batteries.
Claims use since Nov. 15, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 417,929. THE LUDLOW-SAYLOR WIRE COMPANY, St. Louis, Mo. Filed Apr. 6, 1939.

SUPER-LOY

For Screens for Use in Screening Devices for Sorting or Sifting Crushed Materials.
Claims use since Jan. 14, 1935.

Ser. No. 422,634. SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Aug. 15, 1939.



The representation of the saw is disclaimed apart from the mark.
For Saws, Spades, Rakes, Crowbars, Picks, Sledges, Hammers, Tongs, Files, Rasps, Wrenches, Screwdrivers, Drills, Axes, Planing Tools, Knives, and Saw Blades.
Claims use since Dec. 31, 1936.

Ser. No. 424,914. H & B AMERICAN MACHINE COMPANY, Pawtucket, R. I. Filed Oct. 26, 1939.

Airflo

For Flyers for Textile Machinery.
Claims use since Oct. 23, 1939.

Ser. No. 426,520. BEST BLADES INC., Newark, N. J. Filed Dec. 13, 1939.

MONITOR

For Razor Blades.
Claims use since Nov. 15, 1939.

Ser. No. 426,551. CANDELARIO ALMAREZA, doing business as New Blade Company, New York, N. Y. Filed Dec. 14, 1939.

POKER

For Safety Razor Blades.
Claims use since July 27, 1938.

Ser. No. 426,574. THE OHIO CULTIVATOR COMPANY, Bellevue, Ohio. Filed Dec. 14, 1939.

BLACK HAWK

For One-Way Disc Plows, Horse Drawn Riding and Walking Cultivators, Garden Cultivators, Tractor Cultivators, Single and Multiple Row Corn and Cotton Planters, Grain Drills, Disc Harrows, Spring Tooth Harrows, Spike Tooth Harrows, Hay Loaders, Field Mowers, Potato Diggers, Potato Planters, Pulverizers, Sulky Hay Rakes, Side Delivery Rakes, Shovel Plows, Mold Board Plows, Lime Sowers, Manure Spreaders, Stalk Cutters, Garden Tractors, and Tractors.
Claims use since Sept. 5, 1925.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 425,213. TAYLOR OPTICAL, INC., Detroit, Mich. Filed Nov. 3, 1939.

VELVA-TONE

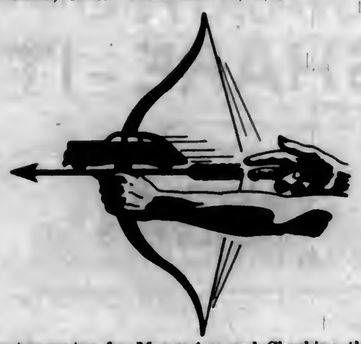
For Optical Lenses.
Claims use since August, 1937.

Ser. No. 425,539. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Nov. 10, 1939.

SUPAR

For Camera Lens.
Claims use since Nov. 4, 1939.

Ser. No. 425,770. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Nov. 17, 1939.



For Apparatus for Measuring and Checking the Operation of Electrical Equipment and Circuits of Motor Vehicles.
Claims use since Sept. 20, 1939.

Ser. No. 426,021. CHARLES O. DECHAU, Warwick, R. I. Filed Nov. 28, 1939.

INSERTO

For Frames for Ophthalmic Lenses.
Claims use since July 10, 1939.

Ser. No. 426,552. AMERICAN SPECTACLE CO., INC., New York, N. Y. Filed Dec. 14, 1939.

Certifex

For Spectacles and Goggles and Lenses Therefor.
Claims use since Nov. 15, 1939.

Ser. No. 426,553. AMERICAN SPECTACLE CO., INC., New York, N. Y. Filed Dec. 14, 1939.

Planatoric

For Lenses for Spectacles and Goggles.
Claims use since Dec. 11, 1939.

Ser. No. 426,577. SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed Dec. 14, 1939.

RONTOR

For Lenses for Eyeglasses and Spectacles.
Claims use since January, 1933.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 424,159. DAVIDSON & SONS JLRY. CO. INC., New York, N. Y. Filed Oct. 3, 1939.

DASON

For Crosses, Chains, Knives, Cuff Buttons, Hair Ornaments, Miraculous Medals, Rosaries, Medals of Saints and Crosses, Lapel Buttons, Emblem Buttons, and Key Rings Made in Whole or in Part of Precious Metal or Plated with the Same; Finger Rings of All Descriptions, Lockets, Lavalieres, Earrings, Bracelets, Scarf Pins, Tie Holders, Brooches, Watch Charms, Bracelets and Pendants, Necklaces of All Descriptions and of All Stones and Pearls, Anklets Made of a Base, Precious or Semi-Precious Metal, Bracelet Charms and Watch Attachments—Namely, Bracelets and Bracelet Pendants.
Claims use since March, 1936.

Ser. No. 424,160. DAVIDSON & SONS JLRY. CO., INC., New York, N. Y. Filed Oct. 3, 1939.

D S

For Crosses, Chains, Knives, Cuff Buttons, Hair Ornaments, Miraculous Medals, Rosaries, Medals of Saints and Crosses, Lapel Buttons, Emblem Buttons, and Key Rings Made in Whole or in Part of Precious Metal or Plated with the Same; Finger Rings of All Descriptions, Lockets, Lavalieres, Earrings, Bracelets, Scarf Pins, Tie Holders, Brooches, Watch Charms, Bracelets and Pendants, Necklaces of All Descriptions and of All Stones and Pearls, Anklets Made of a Base, Precious or Semi-Precious Metal, Bracelet Charms and Watch Attachments—Namely, Bracelets and Bracelet Pendants.
Claims use since March, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 403,403. THE ESTATE STOVE COMPANY, Hamilton, Ohio. Filed Feb. 25, 1938.

TRIPLE EFFECT

For Furnaces, Heating Stoves, Circulating Space Heaters, and Cooking Stoves Utilizing Gaseous Fuel.
Claims use since 1892.

CLASS 36

Musical Instruments and Supplies

Ser. No. 422,225. UNITED STATES RECORD CORPORATION, New York, N. Y. Filed Aug. 2, 1939.

VARSITY

For Phonograph Records.
Claims use since July 27, 1939.

CLASS 38

Prints and Publications

Ser. No. 419,858. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed May 26, 1939.

TOURAIDE

For Map Booklets Published from Time to Time.
Claims use since Apr. 6, 1936.

Ser. No. 421,520. MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed July 13, 1939.

TRUE PICTURE STORY

For Magazine.
Claims use since July 3, 1939.

Ser. No. 423,960. THE TOWN HALL, INC., New York, N. Y. Filed Sept. 26, 1939.

THE TOWN HALL

For Leaflets, Pamphlets, Services, Bulletins, Handbooks, Brochures, and Tracts.
Claims use since June 10, 1935.

Ser. No. 425,229. HYMAN D. BOWMAN, doing business as Share-It Sales Service, Pittsburgh, Pa. Filed Nov. 4, 1939.

SHARE-IT

For Placards and Posters.
Claims use since Aug. 11, 1939.

Ser. No. 425,621. PAYSON PUBLISHING, INC. New York, N. Y. Filed Nov. 14, 1939.

Scribner's Commentator

The word "Scribner's" is disclaimed apart from the mark.
For Magazine.
Claims use since Oct. 20, 1939.

Ser. No. 426,090. THE HARTFORD COURANT COMPANY, Hartford, Conn. Filed Nov. 30, 1939.

The Beauty Box
by
Ida Chapman

No claim is made to the words "Ida Chapman" apart from the mark.
For Newspaper Column.
Claims use since June 13, 1935.

Ser. No. 426,336. HEARST CONSOLIDATED PUBLICATIONS, Baltimore, Md. Filed Dec. 7, 1939.

BALTIMORE THE NEWS-POST

No claim is made to the word "Baltimore" apart from the mark.
For Daily Newspaper.
Claims use since Jan. 13, 1936.

CLASS 39

Clothing

Ser. No. 402,486. G. PANIZZA & Co., Ghiffa, Italy. Filed Jan. 29, 1938.

PANIZZA

For Hats for Men.
Claims use since July, 1925.

Ser. No. 419,711. JOSEPH BURGER, New York, N. Y. Filed May 23, 1939.

POSTURAID

For Men's and Ladies' Shoes Made of Leather or Fabric, and Insertible and Adjustable Height Increasing Elevators for Shoes.
Claims use since May 18, 1939.

Ser. No. 420,193. VIRGINIA SHOE COMPANY, INC., Fredericksburg, Va. Filed June 5, 1939.

PLAY POISE

Applicant disclaims the word "Play" except as shown.
For Shoes Made Wholly or Partly of Leather.
Claims use since Apr. 15, 1939.

Ser. No. 421,353. HENRY POLLAK, INC., New York, N. Y. Filed July 7, 1939.

PENNLASS

For Hats and Hat Bodies of Felt and Straw.
Claims use since May 15, 1939.

Ser. No. 424,138. NIPPON DRY GOODS CO., San Francisco, Calif. Filed Oct. 2, 1939.

The Roundup
Leter Buck

For Men's, Women's, and Children's Sashes, Bolero Jackets, and Handkerchiefs.
Claims use since Mar. 1, 1939.

Ser. No. 425,256. D. RUBENSTEIN, New York, N. Y. Filed Nov. 4, 1939.

Dajon

For Women's Hats.
Claims use since Aug. 10, 1938.

Ser. No. 425,328. JOS. S. COHEN & SONS CO., INC., New York, N. Y. Filed Nov. 7, 1939.

"Luxury Cottons"
DISTINCTIVE DESIGNS
Bonnie Bright*
FROCKS
Created by JOS. S. COHEN & SONS CO. INC.

No claim is made to the words "Cottons", "Distinctive Designs", "Frocks", and "Created by" apart from the mark.
For Ladies' and Misses' Frocks and Dresses and Hostess Coats.
Claims use since September, 1939.

Ser. No. 425,533. RICE, BRESKIN & SANDLER, New York, N. Y. Filed Nov. 10, 1939.

BABES IN ARMS

For Women's Panties, Polo Shirts, Slips, and Undershirts; Children's Bathrobes; Infants' Belly Bands; In-

fants' Receiving Blankets of a Wraparound Nature, Bibs and Buntings; Infants' Creepers, Rompers, Knitted Sweater, Hat and Mitten Sets; Children's Dresses; Children's Mittens and Fabric Gloves; Children's Middies and Gym Rompers; Children's Overalls and Sunsuits; Boys' Shirts and Blouses; Children's Polo Shirts; Children's Hose, Undershirts, Union Suits and Sweaters; Children's Panties and Infants' Rubber Pants and Made up Diapers; Children's Kimonos, Sleepers and Pajamas; Children's Hats, Berets, Leather Shoes, and Slips, and Boys' Ties.
Claims use since Feb. 15, 1938.

Ser. No. 425,567. HARRY FRANK, New York, N. Y. Filed Nov. 13, 1939.

LADY EXECUTIVE

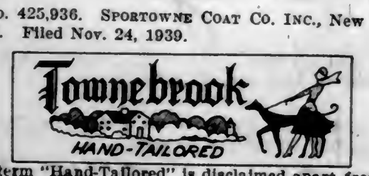
For Women's and Misses' Dresses, and Dress and Jacket Combinations.
Claims use since June 15, 1937.

Ser. No. 425,935. BEN SOLNIT, doing business as Solnit Shoe Company, Los Angeles, Calif., assignor to Roy Maling, Everett, Mass. Filed Nov. 24, 1939.

Play-eze

Applicant disclaims the word "Play" apart from the mark.
For Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since May 1, 1938.

Ser. No. 425,936. SPORTOWNE COAT CO. INC., New York, N. Y. Filed Nov. 24, 1939.



The term "Hand-Tailored" is disclaimed apart from the mark.
For Ladies' and Misses' Coats and Suits.
Claims use since November, 1938.

Ser. No. 425,954. WALT DISNEY PRODUCTIONS, Hollywood, Calif. Filed Nov. 25, 1939. Under the act of Feb. 20, 1905, as amended June 10, 1938.

PINOCCHIO

For Neckwear Consisting of Neckties, Mufflers, and Scarfs.
Claims use since July 11, 1939.

Ser. No. 426,138. S. MANN CO., INC., New York, N. Y. Filed Dec. 1, 1939.

Miss Mannikin

For Ladies' Coats and Suits.
Claims use since Nov. 20, 1939.

Ser. No. 426,335. GUS. EDELSTEIN BRO. & CO., New York, N. Y. Filed Dec. 7, 1939.

MEG

For Children's, Infants', Ladies', and Men's Hosiery.
Claims use since Oct. 16, 1939.

Ser. No. 426,371. IOLA MILGRIM, Philadelphia, Pa. Filed Dec. 8, 1939.

House of Beauty

For Ladies' and Women's Corsets and Brassières.
Claims use since Nov. 7, 1938.

Ser. No. 426,372. MUNSINGWEAR, INC., Minneapolis, Minn. Filed Dec. 8, 1939.

BREEX

For Men's Underwear.
Claims use since Nov. 27, 1939.

Ser. No. 426,398. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Dec. 9, 1939.

MonYana

For Men's Underwear.
Claims use since Nov. 17, 1939.

Ser. No. 426,467. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill. Filed Dec. 11, 1939.

BROWN BOMBER

For Work Gloves of Combined Leather and Fabric.
Claims use since Oct. 4, 1939.

Ser. No. 426,492, GLASCO LIMITED, Philadelphia, Pa. Filed Dec. 12, 1939.

MIRAMAR



For Bathing Suits and Sweaters.
Claims use since Dec. 1, 1938.

Ser. No. 426,631. TROJAN HOSIERY MILLS, INCORPORATED, Indianapolis, Ind. Filed Dec. 15, 1939.

Sheerettes

For Hosiery.
Claims use since Feb. 1, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 426,318. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Dec. 7, 1939.

"SETARA"

For Hat Braids Made of Tubes Simulating Straw, Manufactured of Cellulose Film With a Core of Ramie.
Claims use since Nov. 20, 1939.

CLASS 43

Thread and Yarn

Ser. No. 424,921. THE LINEN THREAD CO., INC., New York, N. Y. Filed Oct. 26, 1939.

BARBOUR'S
BEST IRISH FLAX
SHOE THREAD

No claim is made to the words "Best Irish Flax", "Shoe Thread", and "Trade Mark" apart from the mark. Applicant is the owner of registration Number 80,824, dated Feb. 7, 1911, and renewed, and of registration Number 127,320, dated Nov. 11, 1919.
For Shoe Thread.
Claims use since June, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 425,761. ALEXANDER H. STRAUS, New York, N. Y. Filed Nov. 17, 1939.

MASK

The word "Mask" is disclaimed when used apart from the mark.
For Protective Masks for Medical and Surgical Purposes.
Claims use since July 17, 1939.

Ser. No. 426,832. HARVEY S. COVER, South Bend, Ind. Filed Dec. 22, 1939.



The representation of the boy is fanciful.
For Respirators.
Claims use since Aug. 2, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 399,987. ITALIAN-AMERICAN RETAIL GROCERS ASSOCIATION, Paterson, N. J. Filed Nov. 19, 1937.

VIRTU

BRAND

No claim is made to the word "Brand".
For Canned Pork and Beans, Canned Tomatoes, Canned Pure Tomato Paste, Olive Oil, Mayonnaise, Rice, Dried Lentils, and White Wheat Flour.
Claims use since Sept. 1, 1935.

Ser. No. 402,228. A. KRASNE, INC., New York, N. Y. Filed Jan. 22, 1938.

KRASDALE

Garden Like

Applicant is the owner of registration No. 230,899, dated Aug. 9, 1927. The term "Garden Like" is disclaimed apart from the mark.

For Canned Vegetables.

Claims use since Oct. 25, 1937.

Ser. No. 414,621. BUSY BEE CANDY COMPANY, St. Louis, Mo. Filed Jan. 9, 1939.

FRUITIES

For Individual Cakes in the Nature of Fruit Cake.

Claims use since Oct. 10, 1937.

Ser. No. 422,958. TRADE WIND FOODS, INC., New York, N. Y. Filed Aug. 24, 1939.

TRADE WIND

For Desiccated Cocoanut in Packages and in Bulk, and Spices—Namely, Pepper and Cinnamon in Packages.

Claims use since June 15, 1939.

Ser. No. 424,608. STAHL-MEYER, INC., New York, N. Y. Filed Oct. 16, 1939.

BRUNCH

For Meat Specialty Ready to Eat Composed of Finely Chopped and Ground Beef and Pork Mixed with Spices, Which May be Baked as a Whole Piece of Meat or, when Sliced, May be Fried, or Served Cold as a Filling for Sandwiches.

Claims use since Oct. 3, 1939.

Ser. No. 424,952. CALL RANCH, doing business as A. F. Call Estate, Corona, Calif. Filed Oct. 27, 1939.

RED MOUNTAIN

For Fresh Citrus Fruit.

Claims use since 1932.

Ser. No. 425,702. LOBLAW GROCETERIAS, INC., Buffalo, N. Y. Filed Nov. 16, 1939.



The drawing is lined for red, blue, and yellow. No claim is made to the words "Proven-Rite Flour" apart from the mark.

For Wheat Flour.

Claims use since Sept. 8, 1939.

Ser. No. 425,886. BEN B. GEORGE, doing business as Trice Food Products Company, Cincinnati, Ohio. Filed Nov. 22, 1939.

TRICE

For Chocolate Food Product Consisting of Sugar, Milk, Cocoa and Cocoanut Oil Used for Making Icings, Candy, Sauces, Cookies, Cakes, Desserts and Other Confections and Beverages.

Claims use since June 8, 1939.

Ser. No. 425,891. ROY W. HOLLIS, doing business as R. W. Hollis Sales Service, Martinsburg, W. Va. Filed Nov. 22, 1939.

BLACK LINE

For Fresh Deciduous Fruits.

Claims use since September, 1938.

Ser. No. 426,005. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Filed Nov. 27, 1939.

BRIAR GATE

For Canned Vegetables.

Claims use since Oct. 6, 1938.

Ser. No. 426,207. LOMA LINDA FOOD CO., Loma Linda, Calif. Filed Dec. 4, 1939.

GLUTENBURGER

For Gluten of Wheat, Seasoned with Salt, Yeast, and Vegetable Extracts.

Claims use since Sept. 19, 1939.

Ser. No. 426,219. PAN AMERICAN PRODUCTS CORP., Newark, N. J. Filed Dec. 4, 1939.

REBECA BRAND

KO-MIL-KO



Applicant disclaims the word "Brand" separately from the mark as shown.

For Chocolate Malted Milk.

Claims use since Aug. 25, 1939.

Ser. No. 426,225. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Dec. 4, 1939.

KORN LAND

For Bacon.

Claims use since Sept. 21, 1936.

Ser. No. 426,228. WILLIAM H. RICHARDS, doing business as Veg-Acre Farms, Newport, R. I. Filed Dec. 4, 1939.



Applicant disclaims the words "Dedicated to the Production of Quality Vegetables" apart from the mark. The name William Richards is a facsimile of applicant's signature.

For Fresh Vegetables—Namely, Broccoli, Cucumbers, Squash, Tomatoes, Corn, Beans, and Spinach.

Claims use since May, 1938.

Ser. No. 426,264. MARS INCORPORATED, Chicago, Ill. Filed Dec. 5, 1939.

☆ Dr. I. Q.

For Candy.

Claims use since Nov. 28, 1939.

Ser. No. 426,352. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 8, 1939.

Wildmere

For Butter and Eggs.

Claims use since Sept. 1, 1939 on butter; since April, 1924 on eggs.

Ser. No. 426,454. THE KELLING NUT CO., Chicago, Ill. Filed Dec. 11, 1939.

Kay Kay

For Salted, Candied and Plain Nut Meats.

Claims use since 1907.

Ser. No. 426,942. THE FOSTER CANNING CO., INC., Glendale, Long Island, and New York, N. Y. Filed Dec. 28, 1939.



For Animal Food Products, Particularly Cat Food.

Claims use since Jan. 9, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 13, 1940

375,158. ELECTRICAL SELECTING AND ELECTRICAL SYNCHRONIZING APPARATUS USED IN ELECTRICAL COMMUNICATION SYSTEMS. Radio Industries Corporation, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York.
Filed July 13, 1933. Serial No. 339,739. PUBLISHED DECEMBER 5, 1939. Class 21.

375,159. PICKLES, SWEET RELISH, SOUR RELISH, CHILI SAUCE, BAR-LE-DUC, AND JELLY. Julia M. Cooke, Norwalk, Connecticut.
Filed February 15, 1937. Serial No. 388,915. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,160. PILE UPHOLSTERY FABRICS IN THE PIECE COMPOSED OF A COTTON GROUND, A PILE OF MOHAIR MIXED OR COMBINED WITH ONE OR MORE OF THE MATERIALS COTTON, RAYON, AND WORSTED AND AN ADHERENT RUBBER COMPOSITION ON THE SIDE OF THE FABRIC OPPOSITE THE PILE FACE. Sidney Blumenthal & Co., Inc., New York, N. Y.
Filed April 15, 1937. Serial No. 391,373. PUBLISHED DECEMBER 5, 1939. Class 50.

375,161. CHILDREN'S DRESSES. Kiddies Pal, Inc., New York, N. Y.
Filed July 27, 1937. Serial No. 395,671. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,162. DEODORIZING CLEANER FOR FLOORS, WALLS, WOODWORK, FIXTURES, BATHROOMS, KITCHENS, LAUNDRY TUBS, GARBAGE CANS, BOAT BILGES, AND A STERILIZING CLEANER FOR GLASSES, CHINA, AND SILVERWARE. H-C Products Company, Detroit, Mich.
Filed August 18, 1937. Serial No. 396,535. PUBLISHED NOVEMBER 28, 1939. Class 4.

375,163. BAKERY SWEET GOODS—NAMELY, CAKES, SOFT CAKES, ANGEL FOOD CAKES, FRUIT CAKES, DOUGHNUTS, COOKIES, AND SWEET ROLLS. Schulze Baking Company, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; and Des Moines, Iowa, assignor to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware.
Filed September 23, 1937. Serial No. 397,727. PUBLISHED DECEMBER 5, 1939. Class 46.

375,164. WINES. Achaia-Clauss Wine Company, Ltd., New York, N. Y.
Filed January 21, 1938. Serial No. 402,161. PUBLISHED OCTOBER 4, 1938. Class 47.

375,165. PERMANENTLY TACKY ADHESIVE TYPE TAPE HAVING A PAPER BASE AND ADAPTED FOR DECORATIVE USE AND PACKAGE SEALING PURPOSES. Van Cleef Bros., Chicago, Ill.
Filed June 10, 1938. Serial No. 407,338. PUBLISHED MARCH 21, 1939. Class 37.

375,166. METAL MITER FASTENING CLEATS. Clamp Nail Company, Chicago, Ill.
Filed August 16, 1938. Serial No. 409,640. PUBLISHED DECEMBER 5, 1939. Class 13.

375,167. FROZEN FRUITS, BERRIES, AND VEGETABLES. Washington Packers, Inc., Sumner, Wash.
Filed August 19, 1938. Serial No. 409,791. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,168. BARE AND INSULATED COPPER AND COPPER-ALLOY WIRES, CABLES, AND CORDAGE USED FOR ELECTRICAL PURPOSES. Kennecott Wire and Cable Company, Phillipsdale, R. I.
Filed September 7, 1938. Serial No. 410,328. PUBLISHED DECEMBER 5, 1939. Class 21.

375,169. SENSITIZED PAPER FOR PHOTOGRAPHIC PURPOSES. Sears, Roebuck and Co., Chicago, Ill.
Filed September 9, 1938. Serial No. 410,410. PUBLISHED DECEMBER 5, 1939. Class 26.

375,170. ROCK AND EVAPORATED SALT. Jefferson Island Salt Company, Louisville, Ky.
Filed September 10, 1938. Serial No. 410,433. PUBLISHED DECEMBER 5, 1939. Class 46.

375,171. WEBS OF CORK COMPOSITION FOR CIGARETTE TIPPING PURPOSES. Armstrong Cork Company, Lancaster, Pa.
Filed September 16, 1938. Serial No. 410,627. PUBLISHED DECEMBER 5, 1939. Class 50.

375,172. CANNED FRUITS, CANNED VEGETABLES, AND TOMATO JUICE. F. C. Tripi Co. Inc., also doing business as Indian Head Products Co., Buffalo, N. Y.
Filed September 17, 1938. Serial No. 410,711. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,173. MEN'S AND BOYS' COATS AND SUITS AND WOMEN'S, GIRLS', AND CHILDREN'S COATS, SUITS, CLOAKS, AND CAPES. Continental Mills, Inc., Philadelphia, Pa.
Filed September 24, 1938. Serial No. 410,950. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,174. FEED FOR LIVESTOCK, POULTRY, FISH IN FISH HATCHERIES, FUR BEARING ANIMALS ON FUR FARMS. American Dairies, Incorporated, Kansas City, Mo.
Filed September 30, 1938. Serial No. 411,116. PUBLISHED DECEMBER 5, 1939. Class 46.

375,175. CANNED VEGETABLES, CANNED FRUITS, CANNED SOUPS, AND CEREALS IN THE NATURE OF BREAKFAST FOODS. Fremont Canning Company, doing business as Gerber Products Company, Fremont, Mich.
Filed September 30, 1938. Serial No. 411,122. PUBLISHED DECEMBER 5, 1939. Class 46.

375,176. CANNED SWEET PEAS. Francis H. Leggett & Company, New York, N. Y.
Filed November 15, 1938. Serial No. 412,769. PUBLISHED FEBRUARY 7, 1939. Class 46.

375,177. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, SPORTCOATS, MACKINAWS, VESTS, AND TROUSERS, OF WOOLEN AND WORSTED PIECE GOODS. M. & B. Cohen Co., New York, N. Y.
Filed November 30, 1938. Serial No. 413,296. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,178. MEN'S AND BOYS' SWEATERS AND SWEAT SHIRTS. Joseph Marcus, New York, N. Y.
Filed December 12, 1938. Serial No. 413,720. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,179. LADIES' AND MISSES' COATS, SUITS. Joseph Stein Coats, Inc., New York, N. Y.
Filed December 28, 1938. Serial No. 414,278. PUBLISHED DECEMBER 5, 1939. Class 39.

375,180. LADIES' AND MISSES' COATS, SUITS. Joseph Stein Coats, Inc., New York, N. Y.
Filed December 28, 1938. Serial No. 414,279. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,181. LADIES' AND MISSES' COATS, SUITS. Joseph Stein Coats, Inc., New York, N. Y.
Filed December 28, 1938. Serial No. 414,281. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,182. GARDEN TRACTORS. Sears, Roebuck and Co., Chicago, Ill.
Filed January 16, 1939. Serial No. 414,896. PUBLISHED DECEMBER 5, 1939. Class 23.

375,183. RAZOR BLADES. Sears, Roebuck and Co., Chicago, Ill.
Filed January 23, 1939. Serial No. 415,147. PUBLISHED MAY 9, 1939. Class 23.

375,184. HOSIERY. Sterling Stores Co., Inc., Little Rock, Ark.
Filed January 25, 1939. Serial No. 415,233. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,185. EYE GLASS FRAME SUPPORTED ELECTRICAL HEARING AID DEVICES AND PARTS THEREOF. Dictograph Products Company, Inc., New York, N. Y.
Filed February 2, 1939. Serial No. 415,501. PUBLISHED DECEMBER 5, 1939. Class 44.

375,186. SHOE POLISH. Pelican Products Company, New York, N. Y.
Filed February 4, 1939. Serial No. 415,609. PUBLISHED DECEMBER 5, 1939. Class 4.

375,187. CARTONS AND DISPLAY PACKAGES AND CUT-OUT BLANKS FOR FORMING SAME, MADE OF FIBRE BOARD, CORRUGATED BOARD AND OTHER LIKE MATERIAL. California Container Corporation, Emeryville, Calif.
Filed February 11, 1939. Serial No. 415,934. PUBLISHED DECEMBER 5, 1939. Class 2.

375,188. FRESH VEGETABLES AND MELONS. Dorman Farms Co., Holtville, Calif.
Filed February 18, 1939. Serial No. 416,181. PUBLISHED DECEMBER 5, 1939. Class 46.

375,189. MISSES' AND WOMEN'S DRESSES, SKIRTS, BLOUSES, SPORT DRESSES, JACKETS, AND SUITS. Sports Vogue Inc., New York, N. Y.
Filed February 27, 1939. Serial No. 416,484. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,190. CANDIES. Squirrel Brand Co., Cambridge, Mass.
Filed March 17, 1939. Serial No. 417,186. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,191. ELECTRIC TIMING CONTROLLERS OPERATIVE OTHER THAN IN RELATION TO CURRENT FLOW IN THE CIRCUIT BEING CONTROLLED, WHEREIN THE TIMING PERIODS ARE DEPENDENT UPON THE ELECTRICAL CONDITION OF A CONDENSER. The Electric Controller & Mfg. Co., Cleveland, Ohio.
Filed March 24, 1939. Serial No. 417,447. PUBLISHED DECEMBER 5, 1939. Class 21.

375,192. WEARING APPAREL AND FURNISHINGS—NAMELY, GLOVES AND MITTENS OF LEATHER, WOOL, COTTON, SILK, ETC. S. D. Prince Co., Boston, Mass.
Filed March 31, 1939. Serial No. 417,719. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,193. SHOTGUNS AND RIFLES. Suhler Waffenwerk, Gebrüder Merkel, Suhl, Thuringia, Germany.
Filed April 17, 1939. Serial No. 418,379. PUBLISHED DECEMBER 5, 1939. Class 9.

375,194. CONDIMENTS—NAMELY, SALAD DRESSING. Fred Meyer, Inc., Portland, Oreg.
Filed April 15, 1939. Serial No. 418,554. PUBLISHED DECEMBER 5, 1939. Class 46.

375,195. CHEESE. Frank Ryser Co., Chicago, Ill.
Filed April 24, 1939. Serial No. 418,652. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,196. DRAFT REGULATING DAMPERS, BOILER AUXILIARY WATER SECTIONS, INDIRECT WATER HEATING COILS, TANKLESS WATER HEATING COILS. Whitehall Equipment Co., Inc., New York, N. Y.
Filed April 29, 1939. Serial No. 418,909. PUBLISHED DECEMBER 5, 1939. Class 34.

375,197. LIVESTOCK AND POULTRY FEEDS. Howard F. Boeke, doing business as State Sales Co., Des Moines, Iowa, assignor to Philip R. Park, Inc., San Pedro, Calif., a corporation of California.
Filed May 15, 1939. Serial No. 419,414. PUBLISHED AUGUST 15, 1939. Class 46.

375,198. ELECTRICALLY OPERATED HUMAN BODY VIBRATING MACHINES. The Vibramotor Co., Los Angeles, Calif.
Filed May 29, 1939. Serial No. 419,986. PUBLISHED DECEMBER 5, 1939. Class 44.

375,199. WOMEN'S AND MISSES' TAILORED SPORTSWEAR DRESSES. Lombardi Mfg. Co., Hartford, Conn.
Filed June 2, 1939. Serial No. 420,107. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,200. ATHLETIC SHIRTS, SHORTS, AND KNITTED UNDERWEAR FOR MEN, BOYS, WOMEN, AND GIRLS. Herman M. McDonald, Chicago, Ill.
Filed June 5, 1939. Serial No. 420,181. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,201. PORT WINE. Liquor Distributors of America, Inc., Newark, N. J.
Filed June 9, 1939. Serial No. 420,329. PUBLISHED DECEMBER 5, 1939. Class 47.

375,202. PASTRY ROLLING PIN JACKET AND PASTRY CLOTH, SOLD AS A UNIT. Lipschultz Bros., St. Paul, Minn.
Filed June 15, 1939. Serial No. 420,536. PUBLISHED DECEMBER 5, 1939. Class 50.

375,203. ELECTRIC DRY SHAVERS AND PARTS THEREOF, AND TYPEWRITING MACHINES AND PARTS THEREOF. Remington Rand Inc., Buffalo, N. Y.
Filed June 16, 1939. Serial No. 420,599. PUBLISHED DECEMBER 5, 1939. Class 23.

375,204. CLOTH BAGS. Chase Bag Company, New York, N. Y.
Filed June 22, 1939. Serial No. 420,807. PUBLISHED NOVEMBER 21, 1939. Class 2.

375,205. HOMOGENIZING APPARATUS FOR THE TREATMENT OF MILK, CREAM, ICE CREAM MIXTURES, SOLID MIXTURES, AND THE LIKE. American-Marsh Pumps, Inc., Battle Creek, Mich.
Filed June 29, 1939. Serial No. 421,061. PUBLISHED DECEMBER 5, 1939. Class 23.

375,206. SALTED PUMPKIN SEEDS. Albert Horwitz, doing business as International Import Company, El Paso, Tex.
Filed June 29, 1939. Serial No. 421,086. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,207. PENCILS, MECHANICAL PENCILS, PENHOLDERS, ERASERS; COMPANION BOXES, I. E., BOXES AND POUCHES CONTAINING ASSORTMENTS OF PENCILS, ETC. American Lead Pencil Company, Hoboken, N. J.
Filed June 30, 1939. Serial No. 421,118. PUBLISHED DECEMBER 5, 1939. Class 37.

375,208. MISSES' AND WOMEN'S NEGLIGEES, HOUSECOATS, SUITS, AND COATS. Bloomingdale Bros., Inc., New York, N. Y.
Filed June 30, 1939. Serial No. 421,122. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,209. NO-RUBBING FLOOR WAX. Lanco Products Company, Brooklyn, N. Y.
Filed June 29, 1939. Serial No. 421,221. PUBLISHED DECEMBER 5, 1939. Class 16.

375,210. DIAPER BAGS MADE OF KNITTED, NETTED, TEXTILE, OR RUBBERIZED FABRICS, AS WELL AS WOVEN FABRICS, AND PRINTED MATERIAL. BEST & Co. INC., New York, N. Y.
Filed July 7, 1939. Serial No. 421,337. PUBLISHED NOVEMBER 28, 1939. Class 2.

375,211. STOCK FEEDS MADE PARTLY FROM GRAIN. J. R. MCMAHON, doing business as McMahon Company, Rapid City, S. Dak.
Filed July 8, 1939. Serial No. 421,385. PUBLISHED DECEMBER 5, 1939. Class 46.

375,212. CHOCOLATE MILK AND SYRUP THEREFOR. CLARK J. FILES, doing business as Oh-My Chocolate Co., Toledo, Ohio.
Filed July 10, 1939. Serial No. 421,426. PUBLISHED DECEMBER 5, 1939. Class 46.

375,213. MANIFOLDING PAPER. THE HAMILTON AUTOGRAPHIC REGISTER CO., Hamilton, Ohio.
Filed July 15, 1939. Serial No. 421,609. PUBLISHED DECEMBER 5, 1939. Class 37.

375,214. WAXED PAPER, WAXED PAPER LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, SHELF PAPER, FANCY PAPER, CANDY WRAPS, PAPER TISSUES, PAPER RIBBONS, CELLULOSE WRAPS, PRINTED PAPERS, EMBOSSED PAPERS, ETC. BEN MONT PAPERS, INC., Bennington, Vt.
Filed July 17, 1939. Serial No. 421,633. PUBLISHED DECEMBER 5, 1939. Class 37.

375,215. MICROPHONES, VACUUM TUBE AMPLIFIERS, AND PARTS AND ACCESSORIES FOR USE WITH THE ABOVE EQUIPMENT. UNIVERSAL MICROPHONE CO., LTD., Inglewood, Calif.
Filed July 17, 1939. Serial No. 421,681. PUBLISHED DECEMBER 5, 1939. Class 21.

375,216. LADIES' HOSIERY. YOUNG BROS., New York, N. Y.
Filed July 18, 1939. Serial No. 421,722. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,217. WAXED PAPER, WAX PAPER LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, SHELF PAPER, ETC. BEN MONT PAPERS, INC., Bennington, Vt.
Filed July 22, 1939. Serial No. 421,841. PUBLISHED DECEMBER 5, 1939. Class 37.

375,218. WATERPROOF PANTS FOR BABIES. INTERNATIONAL LATEX CORPORATION, Dover, Del.
Filed July 27, 1939. Serial No. 422,009. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,219. PREHEATERS FOR USE IN METALLURGICAL PROCESSES FOR PREHEATING METALS, AND ELECTRODES FOR ELECTRICAL FURNACES. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.
Filed July 29, 1939. Serial No. 422,091. PUBLISHED DECEMBER 5, 1939. Class 21.

375,220. CANNED FRUITS, AND CANNED VEGETABLES. WEGNER CANNING CO., INC., Sodus, N. Y.
Filed August 1, 1939. Serial No. 422,188. PUBLISHED DECEMBER 5, 1939. Class 46.

375,221. FRESH CELERY, LETTUCE, AND ONIONS. INGRASSIA & LA SCALA, Middletown, N. Y.
Filed August 15, 1939. Serial No. 422,629. PUBLISHED DECEMBER 5, 1939. Class 46.

375,222. WHISKY. JAMES SWORD & SON, LIMITED, Glasgow, Scotland.
Filed August 15, 1939. Serial No. 422,637. PUBLISHED NOVEMBER 28, 1939. Class 49.

375,223. WHISKY. JAMES SWORD & SON, LIMITED, Glasgow, Scotland.
Filed August 15, 1939. Serial No. 422,638. PUBLISHED NOVEMBER 28, 1939. Class 49.

375,224. CANNED MUSHROOMS, BOTTLED CAPERS, CANNED OLIVE OIL, BOTTLED ONIONS, BOTTLED OLIVES. LA MANNA, AZEMA & FARNAM, New York, N. Y.
Filed August 17, 1939. Serial No. 422,704. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,225. HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn.
Filed August 17, 1939. Serial No. 422,719. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,226. DIAMOND DRILLING CORE BITS AND DIAMOND DRILLING CORE CROWNS AND DIAMOND DRESSING TOOLS, AND PARTS THEREOF. DIAMOND COREBIT & TOOL CO., INC., New York, N. Y.
Filed August 19, 1939. Serial No. 422,774. PUBLISHED DECEMBER 5, 1939. Class 23.

375,227. MEN'S AND BOYS' SUITS, TOPCOATS, AND OVERCOATS. THE BROWN-MCDONALD COMPANY, Hastings, Nebr.
Filed August 22, 1939. Serial No. 422,852. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,228. CHOCOLATE, CANDIES, CANDY BARS, NUTS, CHEWING GUM, ICE CREAM, CANDIED POPCORN, SALTED POPCORN, BUTTERED POPCORN, AND PLAIN POPCORN. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,884. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,229. CHOCOLATE, CANDIES, CANDY BARS, NUTS, CHEWING GUM, ICE CREAM, CANDIED POPCORN, SALTED POPCORN, BUTTERED POPCORN, AND PLAIN POPCORN. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago Ill.
Filed August 23, 1939. Serial No. 422,887. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,230. WOMEN'S HOSIERY. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed August 23, 1939. Serial No. 422,891. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,231. INFANTS', MISSES', AND LADIES' DRESSES, HOUSE COATS, SPORT DRESSES, AND PLAY SUITS. KAY KAREN, INC., New York, N. Y.
Filed August 23, 1939. Serial No. 422,900. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,232. HOSIERY. NORTHMONT HOSIERY CORPORATION, Reading, Pa.
Filed August 23, 1939. Serial No. 422,907. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,233. UNION SUITS, PAJAMAS, NIGHTGOWNS FOR WOMEN, MISSES, AND CHILDREN. WOLF-BROWN-JONES CORPORATION, New York, N. Y.
Filed August 23, 1939. Serial No. 422,920. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,234. HOSIERY. JAY LENARD FIERST, doing business as Jay-Eff Hosiery Co., New York, N. Y.
Filed August 25, 1939. Serial No. 423,020. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,235. FRESH VEGETABLES. A. W. HUTCHINSON, Goulds, Fla.
Filed August 28, 1939. Serial No. 423,061. PUBLISHED DECEMBER 5, 1939. Class 46.

375,236. UNDERWEAR FOR WOMEN AND MISSES. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed August 29, 1939. Serial No. 423,095. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,237. BEDJACKETS, NIGHTGOWNS, PAJAMAS, AND UNDERWEAR FOR WOMEN AND MISSES. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed August 29, 1939. Serial No. 423,096. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,238. SLIPS AND UNDERWEAR FOR WOMEN AND MISSES. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed August 29, 1939. Serial No. 423,097. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,239. BEDJACKETS AND ROBES. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed August 29, 1939. Serial No. 423,098. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,240. OLIVE OIL. VICTOR N. CORY, New York, N. Y.
Filed August 30, 1939. Serial No. 423,126. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,241. MEN'S TOPCOATS AND OVERCOATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed August 30, 1939. Serial No. 423,138. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,242. PURE MAPLE SAP SYRUP. THE NEW ENGLAND MAPLE SYRUP CO., Chelsea, Mass.
Filed August 30, 1939. Serial No. 423,142. PUBLISHED DECEMBER 5, 1939. Class 46.

375,243. SPORT JACKETS, SPORT SUITS, SLACKS, WAISTCOATS, OVERCOATS, TOPCOATS, AND SUITS FOR MEN. CURRICK & LEIKEN CO. INC., New York, N. Y.
Filed August 31, 1939. Serial No. 423,163. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,244. CANNED PORK LOAF. ILLINOIS MEAT COMPANY, Chicago, Ill.
Filed August 31, 1939. Serial No. 423,169. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,245. LADIES' AND CHILDREN'S SPORT SHIRTS, PLAIN AND TAILORED BLOUSES, SHIRTS, SLACKS, PLAY SUITS, JIGGER COATS, DRESSES, AND TOP COATS. SUN CRAFT, INC., New York, N. Y.
Filed August 31, 1939. Serial No. 423,182. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,246. CANNED FRUITS, COFFEE, MACARONI, SPAGHETTI, FRUIT PRESERVES, JELLIES, AND CANNED EVAPORATED MILK. CHRISTIANSBURG CANNING CO., INC., Pulaski and Christiansburg, Va.
Filed September 1, 1939. Serial No. 423,205. PUBLISHED NOVEMBER 7, 1939. Class 46.

375,247. FOOD SUPPLEMENT AND MINERAL TONIC FOR ANIMALS IN GRANULAR FORM FOR MIXTURE WITH SOLID ANIMAL FOODS. JESSE L. MCFAIL, doing business as Nan-C-Ets-Co., St. Louis, Mo.
Filed September 1, 1939. Serial No. 423,224. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,248. CANNED SALMON AND CANNED TUNA. UNION FISHERMEN'S CO-OPERATIVE PACKING CO., Astoria, Oreg.
Filed September 1, 1939. Serial No. 423,244. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,249. SPORTSWEAR FOR MEN AND YOUNG MEN—NAMELY, SHIRTS AND TROUSERS IN ENSEMBLE SETS AND SEPARATELY. ESSLEY SHIRT COMPANY, INC., New York, N. Y.
Filed September 2, 1939. Serial No. 423,258. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,250. SILK HOSIERY. TROJAN HOSIERY MILLS, INCORPORATED, Indianapolis, Ind.
Filed September 2, 1939. Serial No. 423,281. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,251. BRAIDED AND TWISTED COTTON CORD AND TWINE, PARTICULARLY BRAIDED SASH CORD, BRAIDED MASON'S LINE, BRAIDED DRAPERY CORD, TWISTED COTTON ROPE, CHALK LINE, AND SEINE TWINE. JOHN H. GRAHAM & CO., INC., New York, N. Y.
Filed September 5, 1939. Serial No. 423,301. PUBLISHED NOVEMBER 21, 1939. Class 7.

375,252. WOMEN'S DRESSES, COATS, AND COSTUME SUITS. LORCH MANUFACTURING COMPANY, Dallas, Tex.
Filed September 5, 1939. Serial No. 423,307. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,253. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, SPORTCOATS, MACKINAWS, VESTS, AND TROUSERS. RALEIGH MANUFACTURERS INCORPORATED, New York, N. Y.
Filed September 5, 1939. Serial No. 423,313. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,254. BACON. THE OHIO PROVISION CO., Cleveland, Ohio.
Filed September 8, 1939. Serial No. 423,404. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,255. UNDERWEAR FOR WOMEN AND CHILDREN. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn.
Filed September 8, 1939. Serial No. 423,444. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,256. SOLVENT FOR CLEANING AND REMOVING STAINS FROM TEXTILE FABRICS. D. BLUM & CO., INC., New York, N. Y.
Filed September 11, 1939. Serial No. 423,489. PUBLISHED NOVEMBER 28, 1939. Class 4.

375,257. LADIES' HOSIERY. MOSS STORES, INC., San Francisco, Calif.
Filed September 11, 1939. Serial No. 423,506. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,258. MEN'S AND WOMEN'S SUITS. A. SAGNER & SONS, INC., Baltimore, Md.
Filed September 11, 1939. Serial No. 423,509. PUBLISHED DECEMBER 5, 1939. Class 39.

375,259. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, HATS, AND SHOES, MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. THE FAIR, Chicago, Ill.
Filed September 12, 1939. Serial No. 423,526. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,260. CHEESE. J. COLONNA, also doing business as Italian Kitchen Food Products, North Bergen, N. J.
Filed September 13, 1939. Serial No. 423,553. PUBLISHED DECEMBER 5, 1939. Class 46.

375,261. WOMEN'S DRESSES. LADY YOUTH, INC., New York, N. Y.
Filed September 13, 1939. Serial No. 423,568. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,262. VERMOUTH. M. P. TRIBUNO, New York, N. Y.
Filed September 13, 1939. Serial No. 423,577. PUBLISHED DECEMBER 5, 1939. Class 47.

375,263. CANNED SALMON AND CANNED TUNA. UNION FISHERMEN'S CO-OPERATIVE PACKING CO., Astoria, Oreg.
Filed September 13, 1939. Serial No. 423,579. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,264. MEN'S AND BOYS' DRESS AND SPORT SHIRTS, PAJAMAS, ENSEMBLE SETS CONSISTING OF SLACKS AND SHIRTS, ETC. SOUTHERN CLOTHING MANUFACTURERS, Tampa, Fla.
Filed September 14, 1939. Serial No. 423,611. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,265. COFFEE. DAILY COFFEE SERVICE INC., Cleveland, Ohio.
Filed September 15, 1939. Serial No. 423,626. PUBLISHED DECEMBER 5, 1939. Class 46.

375,266. VEGETABLE SHORTENING AND OLEOMARGARINE. HANOVER FOOD PRODUCTS COMPANY, Baltimore, Md.
Filed September 16, 1939. Serial No. 423,647. PUBLISHED DECEMBER 5, 1939. Class 46.

375,267. VEGETABLE SHORTENING AND OLEOMARGARINE. HANOVER FOOD PRODUCTS COMPANY, Baltimore, Md.
Filed September 16, 1939. Serial No. 423,650. PUBLISHED DECEMBER 5, 1939. Class 46.

375,268. ICE CREAM. COUNTRY CLUB ICE CREAM COMPANY, Paterson, N. J.
Filed September 16, 1939. Serial No. 423,658. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,269. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS AND OVERCOATS, AND SHIRTS FOR MEN, YOUTHS, AND BOYS; LADIES' SPORT COATS, TROUSERS, AND SHIRTS. CHARLES HIRSHEY CLOTHING CO., Baltimore, Md.
Filed September 16, 1939. Serial No. 423,663. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,270. CLEANSER FOR GENERAL HOUSEHOLD USES, HAVING CLEANING AND DETERGENT PROPERTIES, AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES. LINCO PRODUCTS CORPORATION, Chicago, Ill.
Filed September 15, 1939. Serial No. 423,690. PUBLISHED NOVEMBER 28, 1939. Class 4.

375,271. RAINCOATS. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis.
Filed September 18, 1939. Serial No. 423,693. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,272. FRESH CITRUS FRUITS. GREEN & GOLD GROVES, INC., Los Angeles, Calif.
Filed September 18, 1939. Serial No. 423,699. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,273. AIR CONDITIONING GAS HEATERS. GULF BREEZE COMPANY, INCORPORATED, Dallas, Tex.
Filed September 18, 1939. Serial No. 423,700. PUBLISHED DECEMBER 5, 1939. Class 34.

375,274. FRESH FRUITS—NAMELY, FRESH GRAPES. JOHN PAGLIARULO, Delano and Earlimart, Calif.
Filed September 18, 1939. Serial No. 423,709. PUBLISHED NOVEMBER 21, 1939. Class 46.

375,275. CLEANING FLUID FOR CLEANING TYPEWRITER TYPE, TYPEWRITERS AND PARTS THEREOF. MAURICE BRUNET, JR., doing business as Cito Co., New Orleans, La.
Filed September 20, 1939. Serial No. 423,752. PUBLISHED DECEMBER 5, 1939. Class 4.

375,276. HOSIERY FOR MEN, WOMEN, AND CHILDREN. CLAUDE H. DANIELS, East Portchester, Greenwich, Conn.
Filed September 20, 1939. Serial No. 423,755. PUBLISHED DECEMBER 5, 1939. Class 39.

375,277. LADIES' BLOUSES AND SHIRTS. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa.
Filed September 20, 1939. Serial No. 423,773. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,278. POWDERED SKIM MILK. PET MILK COMPANY, St. Louis, Mo.
Filed September 20, 1939. Serial No. 423,775. PUBLISHED DECEMBER 5, 1939. Class 46.

375,279. MEN'S AND BOYS' TOPCOATS AND OVERCOATS. BOND STORES, INCORPORATED, New York, N. Y.
Filed September 21, 1939. Serial No. 423,789. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,280. LOCKS AND KEYS. NATIONAL LOCK CO., Rockford, Ill.
Filed September 21, 1939. Serial No. 423,823. PUBLISHED NOVEMBER 21, 1939. Class 25.

375,281. CARBON PAPER. REMINGTON RAND INC., Buffalo, N. Y.
Filed September 21, 1939. Serial No. 423,829. PUBLISHED NOVEMBER 21, 1939. Class 11.

375,282. TYPEWRITER RIBBONS. REMINGTON RAND INC., Buffalo, N. Y.
Filed September 21, 1939. Serial No. 423,830. PUBLISHED NOVEMBER 21, 1939. Class 11.

375,283. MEN'S, BOYS', WOMEN'S, AND GIRLS' OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed September 21, 1939. Serial No. 423,835. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,284. SANDWICH SPREAD. JOSEPH J. ALLEGRETTI, doing business as Fresno Food Products Co., Fresno, Calif.
Filed September 22, 1939. Serial No. 423,848. PUBLISHED DECEMBER 5, 1939. Class 46.

375,285. HOSIERY. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed September 23, 1939. Serial No. 423,900. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,286. BUFFS, BUFFING WHEELS, AND POLISHING WHEELS. ADVANCE POLISHING WHEELS, INC., Chicago, Ill.
Filed September 26, 1939. Serial No. 423,904. PUBLISHED DECEMBER 5, 1939. Class 4.

375,287. FOODS FOR FISH. JOSEPH P. LEINDORF, doing business as Nature's Wonderland, New York, N. Y.
Filed September 25, 1939. Serial No. 423,917. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,288. WHISKEY. H. C. MACPHERSON, doing business as Macpherson & Company, San Francisco, Calif.
Filed September 25, 1939. Serial No. 423,919. PUBLISHED DECEMBER 5, 1939. Class 49.

375,289. SHELF AND WRAPPING PAPER. ROYAL LACE PAPER WORKS, Brooklyn, N. Y.
Filed September 25, 1939. Serial No. 423,926. PUBLISHED DECEMBER 5, 1939. Class 37.

375,290. GRASS AND CLOVER SEED. SEABOARD SEED COMPANY, Philadelphia, Pa.
Filed September 25, 1939. Serial No. 423,929. PUBLISHED DECEMBER 5, 1939. Class 1.

375,291. MEN'S OVERCOATS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed September 26, 1939. Serial No. 423,951. PUBLISHED DECEMBER 5, 1939. Class 39.

375,292. MISSES' AND JUNIORS' DRESSES, JACKETS, SKIRTS, AND COATS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Co., St. Louis, Mo.
Filed September 26, 1939. Serial No. 423,955. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,293. FEEDING STUFFS, ESPECIALLY STOCK AND POULTRY FEEDS CONTAINING MINERALS. ANDERSEN-SMITH MILLING CO., San Francisco, Calif.
Filed September 27, 1939. Serial No. 423,965. PUBLISHED DECEMBER 5, 1939. Class 46.

375,294. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' GARMENTS, PARTICULARLY LOUNGE COATS, BED JACKETS, THROWS, SHIRTS, AND COMBINATION ROBES AND HOODS. NORTH STAR WOOLEN MILL COMPANY, Minneapolis, Minn.
Filed September 27, 1939. Serial No. 423,983. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,295. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed September 28, 1939. Serial No. 424,005. PUBLISHED DECEMBER 5, 1939. Class 39.

375,296. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed September 28, 1939. Serial No. 424,006. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,297. WHISKIES. CUMMINS DISTILLERIES CORPORATION, Louisville and Athertonville, Ky.
Filed September 29, 1939. Serial No. 424,034. PUBLISHED DECEMBER 5, 1939. Class 49.

375,298. HOSIERY. THE WARD-STILSON COMPANY, Anderson, Ind.
Filed September 29, 1939. Serial No. 424,071. PUBLISHED DECEMBER 5, 1939. Class 39.

375,299. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed September 30, 1939. Serial No. 424,083. PUBLISHED NOVEMBER 28, 1939. Class 46.

375,300. AGRICULTURAL LIME. BONE DRY FERTILIZER COMPANY, Richmond, Va.
Filed October 3, 1939. Serial No. 424,154. PUBLISHED NOVEMBER 28, 1939. Class 10.

375,301. CARDS, FOLDERS, AND SHEETS HAVING INDICIA HOLDING MEANS MOUNTED ON THE TAB OR UPPER MARGIN OF THE ARTICLE. OXFORD FILING SUPPLY CO., Brooklyn, N. Y.
Filed October 3, 1939. Serial No. 424,178. PUBLISHED DECEMBER 5, 1939. Class 37.

375,302. ADHESIVE TAPE. THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn.
Filed October 3, 1939. Serial No. 424,180. PUBLISHED DECEMBER 5, 1939. Class 44.

375,303. OLIVE OIL. JOSEPH BARBUSCIA, doing business as Palomar Olive Products Co., Fallbrook, Calif.
Filed October 4, 1939. Serial No. 424,191. PUBLISHED DECEMBER 5, 1939. Class 46.

375,304. CLOTHING FOR MEN, WOMEN, GIRLS, AND BOYS COMPRISING COATS, VESTS, TROUSERS, SHORTS, SLACKS, JACKETS, BLOUSES, SWEATERS, AND SKIRTS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed October 4, 1939. Serial No. 424,200. PUBLISHED DECEMBER 5, 1939. Class 39.

375,305. DETERGENT COMPOUND USED IN LAUNDERING TEXTILE ARTICLES. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed October 4, 1939. Serial No. 424,217. PUBLISHED DECEMBER 5, 1939. Class 4.

375,306. SLIDE FASTENERS. CONMAR PRODUCTS CORPORATION, Bayonne, N. J.
Filed October 5, 1939. Serial No. 424,224. PUBLISHED DECEMBER 5, 1939. Class 13.

375,307. TREATED LEATHER. THE VISCOL COMPANY, Stamford, Conn.
Filed October 5, 1939. Serial No. 424,248. PUBLISHED DECEMBER 5, 1939. Class 1.

375,308. WHISKEY. BARDSTOWN DISTILLERY, INC., Bardstown, Ky.
Filed October 6, 1939. Serial No. 424,254. PUBLISHED NOVEMBER 28, 1939. Class 49.

375,309. SOUND RECORDERS FORMING PARTS OF COMMERCIAL PHONOGRAPHS. DICTAPHONE CORPORATION, Bridgeport, Conn.
Filed October 6, 1939. Serial No. 424,260. PUBLISHED DECEMBER 5, 1939. Class 36.

375,310. HOSIERY. GUS EDELSTEIN BRO. & CO., New York, N. Y.
Filed October 6, 1939. Serial No. 424,262. PUBLISHED DECEMBER 5, 1939. Class 39.

375,311. INTERNAL COMBUSTION MOTORS. JACK GALTER, Chicago, Ill.
Filed October 6, 1939. Serial No. 424,267. PUBLISHED DECEMBER 5, 1939. Class 23.

375,312. BAGS OF CELLULOSE FILM WHICH ARE SOLD IN TRADE EMPTY. ALLIED PAPER BAG CORPORATION, Baltimore, Md.
Filed October 7, 1939. Serial No. 424,286. PUBLISHED DECEMBER 5, 1939. Class 2.

375,313. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed October 7, 1939. Serial No. 424,307. PUBLISHED DECEMBER 5, 1939. Class 39.

375,314. MEN'S AND WOMEN'S SUITS, TOP COATS, OVERCOATS, RAIN COATS, SPORT JACKETS, AND RIDING HABITS. D. SIEGEL CO., New York, N. Y.
Filed October 7, 1939. Serial No. 424,323. PUBLISHED DECEMBER 5, 1939. Class 39.

375,315. MOTOR TRACTORS AND PARTS THEREOF. THE EIMCO CORPORATION, Salt Lake City, Utah.
Filed October 9, 1939. Serial No. 424,348. PUBLISHED DECEMBER 5, 1939. Class 23.

375,316. CHECK BOOKS, SAFETY PAPER, CHECKS, AND NEGOTIABLE INSTRUMENTS. THE J. C. HALL COMPANY, Providence, R. I.
Filed October 9, 1939. Serial No. 424,353. PUBLISHED DECEMBER 5, 1939. Class 37.

375,317. INFANTS' AND CHILDREN'S UNDERWEAR, AND INFANTS' WRAPS. MAX H. KESSLER CO., Atlanta, Ga.
Filed October 9, 1939. Serial No. 424,358. PUBLISHED DECEMBER 5, 1939. Class 39.

375,318. HOT WATER BOTTLES, FOUNTAIN SYRINGES, AND COMBINATION FOUNTAIN SYRINGES AND HOT WATER BOTTLES. NYAL COMPANY, Detroit, Mich.
Filed October 9, 1939. Serial No. 424,362. PUBLISHED DECEMBER 5, 1939. Class 44.

375,319. LADIES' UNDERWEAR—NAMELY, NIGHT GOWNS, SLIPS, PANTIES, CHEMISES, AND PAJAMAS, OF COTTON, RAYON, AND SILK MATERIAL. PEERLESS UNDERGARMENT CO., New York, N. Y.
Filed October 9, 1939. Serial No. 424,365. PUBLISHED DECEMBER 5, 1939. Class 39.

375,320. PAPER TOILET SEAT COVERS AND PAPER DISPENSERS FOR SAME. PROCO MFG. CO., San Francisco, Calif.
Filed October 9, 1939. Serial No. 424,368. PUBLISHED DECEMBER 5, 1939. Class 37.

375,321. PERMANENT WAVING PADS FOR MACHINELESS AND ELECTRICAL METHODS OF PERMANENT WAVING. WICKSTROM-BAHR, INC., Sioux Falls, S. Dak.
Filed October 9, 1939. Serial No. 424,378. PUBLISHED DECEMBER 5, 1939. Class 44.

375,322. FRESH FRUITS—NAMELY, FRESH GRAPES. ANTHONY ORLANDELLA, doing business as A. Orlandella, Boston, Mass., and Lodi, Calif.
Filed October 10, 1939. Serial No. 424,406. PUBLISHED DECEMBER 5, 1939. Class 46.

375,323. TYPEWRITER PAPER. HAROLD E. COLE, doing business as W. M. Dixer & Company, Taunton, Mass.
Filed October 11, 1939. Serial No. 424,423. PUBLISHED DECEMBER 5, 1939. Class 37.

375,324. CANDY. REYMER & BROTHERS, INC., Pittsburgh, Pa.
Filed October 11, 1939. Serial No. 424,441. PUBLISHED DECEMBER 5, 1939. Class 46.

375,325. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 12, 1939. Serial No. 424,467. PUBLISHED NOVEMBER 28, 1939. Class 42.

375,326. TELEVISION APPARATUS SUCH AS TELEVISION TUBES. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J.
Filed October 12, 1939. Serial No. 424,495. PUBLISHED DECEMBER 5, 1939. Class 21.

375,327. TELEVISION APPARATUS SUCH AS TELEVISION TUBES. RCA MANUFACTURING COMPANY, INC., Camden and Harrison, N. J.
Filed October 12, 1939. Serial No. 424,496. PUBLISHED DECEMBER 5, 1939. Class 21.

375,328. CANNED PUMPKIN. THE G. S. SUPPIGER COMPANY, St. Louis, Mo.
Filed October 12, 1939. Serial No. 424,503. PUBLISHED DECEMBER 5, 1939. Class 46.

375,329. SOAP FOR CLEANING AND POLISHING LEATHER AND FIBROUS MATERIALS. THE VISCOL COMPANY, Stamford, Conn.
Filed October 12, 1939. Serial No. 424,506. PUBLISHED DECEMBER 5, 1939. Class 4.

375,330. GREEN COFFEE. KNOWLES & FLEMING, New Orleans, La.
Filed October 13, 1939. Serial No. 424,520. PUBLISHED DECEMBER 5, 1939. Class 46.

375,331. PHOTOGRAPHIC CAMERAS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed October 14, 1939. Serial No. 424,541. PUBLISHED DECEMBER 5, 1939. Class 26.

375,332. WHISKY. THE K. TAYLOR DISTILLING CO., INCORPORATED, Frankfort, Ky.
Filed October 14, 1939. Serial No. 424,567. PUBLISHED NOVEMBER 28, 1939. Class 49.

375,333. BABBITT METAL. THE CAR-MOR METAL COMPANY, INC., Philadelphia, Pa.
Filed October 16, 1939. Serial No. 424,576. PUBLISHED DECEMBER 5, 1939. Class 14.

375,334. MIXED PAINT. ATLANTIC CALSOMINE CO., INC., Brooklyn, N. Y.
Filed October 17, 1939. Serial No. 424,615. PUBLISHED DECEMBER 5, 1939. Class 16.

375,335. BRAIDED CORDS. ROCKY MOUNT CORD COMPANY, INCORPORATED, Rocky Mount, N. C.
Filed October 23, 1939. Serial No. 424,823. PUBLISHED DECEMBER 5, 1939. Class 7.

375,336. FRESH CITRUS FRUIT. ESCONDIDO ORANGE ASSOCIATION, Escondido, Calif.
Filed October 25, 1939. Serial No. 424,871. PUBLISHED DECEMBER 5, 1939. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

375,337. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LION AUTO PARTS & MFG. CO., Chicago, Ill. Filed May 31, 1938. Serial No. 406,927.

HY-POWER

For Mufflers, and Diaphragms for Fuel Pumps for Internal Combustion Engines.
Claims use since May 1, 1937.

375,338. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JULIEN P. FRIEZ & SONS, INC., Baltimore, Md. Filed July 20, 1938. Serial No. 408,698.

FLIGHT ANALYZER

For Recording Instruments for Recording Altitude, Airspeed, and Acceleration on an Aircraft.
Claims use since Apr. 23, 1937.

375,339. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Aug. 19, 1938. Serial No. 409,780.

RICHARDSON

For Crushed Fruits for Soda Fountain Use, Crushed Fruits Used in Making Ice Cream and Other Foods; Sundae Toppings Consisting of Fruit, Nut and Butterscotch Preparations; Chocolate Syrups Used for Making or Flavoring Foods and Food Beverages; Flavoring Extracts and Flavoring Syrups for Food or Food Beverage Purposes; Bitter Sweet Cocoa; Cocoa Paste; and Sherbet Bases of Various Fruit Flavors.
Claims use since June 9, 1916.

375,340. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex. Filed Nov. 7, 1938. Serial No. 412,474.

BETTER 'N EVER

For Fresh Citrus Fruit.
Claims use since Oct. 27, 1938.

375,341. (CLASS 39. CLOTHING.) STAHL-URBAN CO., Terre Haute, Ind. Filed Nov. 8, 1938. Serial No. 412,527.

SPORTCOOL

For Wash and Sport Trousers; Summer Sport Coats and Jackets; In and Out Shirts; Sport Shirts.
Claims use since Oct. 10, 1938.

375,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMMERCIAL MOLASSES CORPORATION, New York, N. Y. Filed Nov. 16, 1938. Serial No. 412,802.

EVER-SWEET

For Molasses Intended for Use in Feeds for Poultry, Livestock, or Other Domestic Animals.
Claims use since Oct. 27, 1938.

375,343. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FERRO-SPUN CORPORATION, Alexander City, Ala. Filed Dec. 5, 1938. Serial No. 413,500.

FERRO-SPUN

For Cast Metal Pipe.
Claims use since Mar. 17, 1937.

375,344. (CLASS 10. FERTILIZERS.) THOS. P. REILLY, Binghamton, N. Y. Filed Dec. 15, 1938. Serial No. 413,878.

RA-PID-GRO

For Plant Fertilizer.
Claims use since Nov. 1, 1938.

375,345. (CLASS 39. CLOTHING.) PHILIP BUCHBERG FUR CORP., New York, N. Y. Filed Dec. 21, 1938. Serial No. 414,053.

Six Row

For Women's and Misses' Fur Coats.
Claims use since Nov. 30, 1938.

375,346. (CLASS 39. CLOTHING.) P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Jan. 3, 1939. Serial No. 414,449.

CROTCH-GUARD

For One-Piece and Two-Piece Undergarments in Knitted or Woven Material for Men, Women, and Children—Namely, Shirts, Drawers, and Union Suits.
Claims use since Dec. 20, 1938.

375,347. (CLASS 37. PAPER AND STATIONERY.) CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass. Filed Jan. 6, 1939. Serial No. 414,553.

GREENTONE

For Writing and Printing Papers.
Claims use since Dec. 17, 1938.

375,348. (CLASS 39. CLOTHING.) AETNA SHIRT COMPANY, Baltimore, Md. Filed Jan. 10, 1939. Serial No. 414,648.

EVER-LAST

For Men's and Boys' Dress Shirts.
Claims use since Dec. 17, 1938.

375,349. (CLASS 39. CLOTHING.) ADOLPH R. HAAS, INC., Chicago, Ill. Filed Jan. 16, 1939. Serial No. 414,878.

PETER CREIGHTON

For Women's Dresses.
Claims use since Nov. 15, 1938.

375,350. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, New York, N. Y. Filed Jan. 30, 1939. Serial No. 415,389.

Norwood

For Men's Dress, Negligee, and Sports Shirts.
Claims use since Dec. 3, 1938.

375,351. (CLASS 39. CLOTHING.) NATIONAL BLOUSE CORPORATION, New York, N. Y. Filed Mar. 3, 1939. Serial No. 416,654.

Kay Ilpton

For Women's and Misses' Blouses and Dresses.
Claims use since Oct. 15, 1938.

375,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. C. CONNELL, doing business as Rio Grande Citrus Distributors, Alamo, Tex. Filed Mar. 8, 1939. Serial No. 416,793.

SWEETEST ON EARTH

For Fresh Citrus Fruits.
Claims use since Nov. 25, 1938.

375,353. (CLASS 39. CLOTHING.) ARKWRIGHT, INCORPORATED, New York, N. Y. Filed Mar. 11, 1939. Serial No. 416,941.

WINSLOW

For Men's and Boys' Outer Shirts.
Claims use since Oct. 20, 1938.

375,354. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LUDLOW-SAYLOR WIRE COMPANY, St. Louis, Mo. Filed Apr. 6, 1939. Serial No. 417,928.

STA-TRU

For Metal Screens for Use in Screening Devices for Sorting or Sifting Crushed Materials.
Claims use since May, 1936.

375,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WISCONSIN CANNERS' CO-OPERATIVE, Milwaukee, Wis. Filed April 10, 1939. Serial No. 418,080.

"On Wisconsin"

For Canned Vegetables.
Claims use since Dec. 16, 1938.

375,356. (CLASS 39. CLOTHING.) THE GEISHA ROBE Co., New York, N. Y. Filed Apr. 20, 1939. Serial No. 418,481.

"Fluffy Tuft"*

For Negligees, Robes, Beach Capes, Boleros, Bolero Jackets, Jigger Coats, Blazer Jackets, Travel and Lounge Robes, Campus and Dormitory Coats and Sand Capes.
Claims use since Nov. 11, 1938.

375,357. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) STEYR-DAIMLER-PUCH AKTIENGESELLSCHAFT, Steyr, Oberdonau, Germany. Filed July 13, 1939. Serial No. 421,545.

STEYR

For Firearms—Namely, Pistols, Rifles, and Shotguns.
Claims use since Feb. 5, 1930.

375,358. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSHALL FARM, INC., Fitchburg, Mass. Filed Sept. 25, 1939. Serial No. 423,903.

MARSHALL FARM

For Fresh Deciduous Fruit.
Claims use since Sept. 1, 1934.

375,359. (CLASS 39. CLOTHING.) NATIONAL BLOUSE CORPORATION, New York, N. Y. Filed Sept. 29, 1939. Serial No. 424,054.

June Travis

For Women's and Misses' Blouses and Dresses.
Claims use since Oct. 15, 1938.

375,360. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TARR PHARMACAL Co., Cleveland, Ohio, assignor to Tarr Drug, Inc., Cleveland, Ohio. Filed Sept. 30, 1939. Serial No. 424,109.

TANNICJELL

For Tannic Acid Jelly Used in the Treatment of Burns.
Claims use since Feb. 1, 1924.

375,361. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OSWALD L. RUGAARD, doing business as Rugaard Mfg. Co., Lawrence, Mass. Filed Oct. 9, 1939. Serial No. 424,370.

RUGAARD

For Floor Sanding Machinery and Parts Thereof.
Claims use since Apr. 10, 1937.

375,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACERVILLE FRUIT GROWERS ASSOCIATION, Placerville, Calif. Filed Oct. 14, 1929. Serial No. 424,556.

PLACERVILLE
PONY EXPRESS

For Fresh Deciduous Fruits.
Claims use since July 28, 1938.

375,363. (CLASS 39. CLOTHING.) OSHKOSH B'GOSH, INC., Oshkosh, Wis. Filed Oct. 18, 1939. Serial No. 424,702.

TUFFEST

For Overalls.
Claims use since June 1, 1938.

375,364. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) IDA MANIAGO, Waltham, Mass. Filed Oct. 24, 1939. Serial No. 424,855.

THE LADY'S
Measure-Made Patterns
on Coats, Suits and Dresses
By Madam Maniago
Style Originator

For Patterns for Suits, Coats, and Dresses, Sold to the Trade as Such.
Claims use since November, 1938.

375,365. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. W. BLISS COMPANY, New York, N. Y. Filed Nov. 2, 1939. Serial No. 425,185.

HYDRO
DYNAMIC

For Hydraulic Presses.
Claims use since June 14, 1935.

375,366. (CLASS 33. GLASSWARE.) LOUIS A. LEPPKE, doing business as Western Glass Company, Omaha, Nebr. Filed Nov. 2, 1939. Serial No. 425,152.

SAFE-SERV

For Glass Convertible Multiple Piece Lunch Serving Sets.
Claims use since Nov. 7, 1938.

375,367. (CLASS 47. WINES.) BARLETTA WINE COMPANY, INC., New York, N. Y.) Filed Nov. 4, 1939. Serial No. 425,223.

Barletta Brand

For Wines.
Claims use since Aug. 27, 1935.

375,368. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HOMER L. KITT PIANO COMPANY, INC., Washington, D. C. Filed Nov. 10, 1939. Serial No. 425,520.

Le Mar

For Pianos, Accordions, Saxophones, Clarinets, Cornets, Trumpets, Trombones, Baritones, Alto Horns, Bass Horns, Piccolos, Flutes, and French Horns.
Claims use since Sept. 18, 1934.

375,369. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AUTOMATIC DRAFT & STOVE CO. INC., Lynchburg, Va. Filed Nov. 14, 1939. Serial No. 425,606.

ASHLEY

For Wood Burning Heaters, Circulators, Brooder Stoves, and Hot Water Heaters.
Claims use since Sept. 15, 1932.

TRADE-MARK REGISTRATIONS RENEWED

17,825. **AUNT JEMIMA'S.** SELF-RISING FLOUR. Registered April 29, 1890. AUNT JEMIMA MANUFACTURING Co., St. Joseph, Mo. Re-renewed April 29, 1940, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee by mesne assignments.

127,985. **"BIG YANK".** WORK-SHIRTS. Registered December 16, 1919. RELIANCE MANUFACTURING COMPANY. Renewed December 16, 1939, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

128,325. **CEMENT-GUN.** CERTAIN NAMED MACHINES AND PARTS THEREOF. Registered January 6, 1920. CEMENT-GUN COMPANY, INC., Allentown, Pa., and New York, N. Y. Renewed January 6, 1940, to Cement Gun Company, Allentown, Pa., a corporation of Delaware, assignee.

128,331. **CHIPMAN KNIT.** HOSIERY. Registered January 6, 1920. CHIPMAN KNITTING MILLS, Easton, Pa. Renewed January 6, 1940, to Chipman Knitting Mills, Spring Grove, Easton, Pa., a corporation of Pennsylvania.

128,337. **COLCO.** CERTAIN NAMED RECEPTACLES AND PARTS THEREOF. Registered January 6, 1920. COLWELL COOPERAGE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed January 6, 1940.

128,488. **NUTEX.** COOKING FAT—NAMELY, FOR LARD SUBSTITUTES MANUFACTURED FROM COTTON-SEED OIL. Registered January 6, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed January 6, 1940.

128,532. **COBEE.** COCOANUT-BUTTER. Registered January 6, 1920. E. A. STEVENSON & COMPANY, Wilmington, Del., and New York, N. Y. Renewed January 6, 1940, to Wecoline Products, Inc., New York, N. Y., a corporation of Delaware, assignee.

128,931. **TIP TOP.** CONDENSED MILK. Registered January 20, 1920. THE BORDEN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 20, 1940.

128,949. **WAVERLY.** WRITING-PAPER. Registered January 20, 1920. BYRON WESTON COMPANY, Dalton, Mass., a corporation of Massachusetts. Renewed January 20, 1940.

128,997. **DUVAL.** ESSENTIAL OILS USED AS INGREDIENTS OF PHARMACEUTICAL PREPARATIONS. Registered January 20, 1920. FREDERICK WILLIAM HEINE. Renewed January 20, 1940, to Compagnie Duval, New York, N. Y., a partnership, assignee.

129,029. **MONROE.** CALCULATING AND ADDING MACHINES. Registered January 20, 1920. MONROE CALCULATING MACHINE COMPANY. Renewed January 20, 1940, to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware, assignee.

129,085. **BADEX.** DEXTRINIZED STARCH PRODUCT TO BE USED AS AN INGREDIENT IN BAKING. Registered January 20, 1920. STEIN-HALL MANUFACTURING COMPANY, Wilmington, Del., and Chicago, Ill. Renewed January 20, 1940, to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware.

129,134. **BOULEVARD.** HOSIERY. Registered January 27, 1920. CHIPMAN KNITTING MILLS, Easton, Pa. Renewed January 27, 1940, to Chipman Knitting Mills, Spring Grove, Easton, Pa., a corporation of Pennsylvania.

129,150. **BAROMÈTRE HOLOSTÉRIQUE.** BAROMETERS. Registered January 27, 1920. DOURDE ET CIE. Renewed January 27, 1940, to Maison Naudet, Dourde, Successor, S. A. R. L., Paris, France, a limited company of France, successor.

129,179. **MICKEY.** COOKIES. Registered January 27, 1920. LOOSE-WILES BISCUIT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 27, 1940.

129,304. **TABLER.** BUCKLES FOR CERTAIN NAMED GARMENTS. Registered February 10, 1920. NORTH AND JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Renewed February 10, 1940.

129,319. **O. K.** CHEESE. Registered February 17, 1920. JOSEPH ACHERMAN & Co., Monroe, Wis. Renewed February 17, 1940, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

129,346. **DRIP-LAK.** LUBRICATING OILS AND GREASES. Registered February 17, 1920. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed February 17, 1940, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania, by merger.

129,460. **PAINT ENGINEERS.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered February 24, 1920. THE GOHEEN MANUFACTURING COMPANY, Warren, Ohio. Renewed February 24, 1940, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee by mesne assignments.

129,684. **LUMP COAL.** POWDER—NAMELY, BLASTING-POWDER—DYNAMITE, AND HIGH EXPLOSIVES. Registered March 9, 1920. E. I. DU PONT DE NEMOURS POWDER COMPANY. Renewed March 9, 1940, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee.

129,919. **LUSTERSHEER.** COTTON PIECE GOODS. Registered March 9, 1920. WAMSUTTA MILLS, New Bedford, Mass., a corporation of Massachusetts. Renewed March 9, 1940.

130,201. **CARINO.** FACE-POWDERS. Registered April 13, 1920. FLORENCE N. LEWIS. Renewed April 13, 1940, to Elizabeth Arden, Inc., New York, N. Y., a corporation of New York, assignee.

130,263. **BLAISDELL.** LEAD-PENCILS, CRAYONS, LUMBER-LEADS, PENHOLDERS, METALLIC PENS, FOUNTAIN-PENS, PENCIL-SHARPENERS, POINT-PROTECTORS, AND RUBBER ERASERS. Registered April 20, 1920. BLAISDELL PENCIL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 20, 1940.

130,375. **JUSTRYT.** ROOFING PRODUCTS—VIZ., PITCH, FELT, CEMENT, SHEATHING, AND WATER-PROOF PAPER. Registered April 20, 1920. NEW ENGLAND FELT ROOFING WORKS, Boston, Mass., a corporation of Massachusetts. Renewed April 20, 1940.

130,720. **AN AUTO TIRE, ETC.** BOOTS, OVERSHOES, PACS, GUM-SHOES, ARCTICS, AND GAITERS. Registered May 4, 1920. THE FIRESTONE TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,762. **SANT-KERCHIEFS.** CATAMENIAL BANDAGES. Registered May 4, 1920. INDIVIDUAL DRINKING CUP COMPANY, INC., New York, N. Y. Renewed May 4, 1940, to Dixie-Vortex Company, Chicago, Ill., and Easton, Pa., a corporation of Delaware, assignee.

130,821. **A DUTCH BOY.** MILK-CHOCOLATE. Registered May 4, 1920. THE MAURICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 4, 1940.

130,981. **GLORIA.** FRESH ONIONS. Registered May 4, 1920. WALLA WALLA GARDENER'S ASSOCIATION, Walla Walla, Wash., a corporation of Washington. Renewed May 4, 1940.

130,990. **TYPOCOUNT.** MACHINE-BOOKKEEPING PAPER ONLY. Registered May 4, 1920. BYRON WESTON COMPANY, Dalton, Mass., a corporation of Massachusetts. Renewed May 4, 1940.

131,045. **A HAND, ETC.** GAME OF JACKSTRAWS. Registered May 4, 1920. MILTON BRADLEY COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed May 4, 1940.

131,346. **PARATHESIN.** ANESTHETICS. Registered May 11, 1920. H. A. METZ LABORATORIES, INC. Renewed May 11, 1940, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by consolidation.

131,490. **FOUNTAIN AID.** ELECTRICALLY-DRIVEN BEATING AND MIXING MACHINES. Registered May 18, 1920. THE HOBART MANUFACTURING COMPANY, Troy, Ohio, a corporation of Ohio. Renewed May 18, 1940.

131,506. **INSTANT-O.** CONDENSED INK FOR MAKING WRITING FLUID. Registered May 18, 1920. JASMINE INK CORPORATION, Norfolk, Va. Renewed May 18, 1940, to O. W. Pendergast, doing business as Crescent Products Company, Terre Haute, Ind., successor.

131,552. **IODOLIN.** A COMPOUND AND OINTMENT OF IODIN AND OIL. Registered May 18, 1920. THE WILLIAM S. MERRELL COMPANY. Renewed May 18, 1940, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee.

131,562. **R B D.** METAL PIPE-COUPLINGS, METAL PIPES, METAL TUBES, and METAL CASINGS. Registered May 18, 1920. NATIONAL TUBE COMPANY, Pittsburgh, Pa., a corporation of New Jersey. Renewed May 18, 1940.

131,686. **I-CAR-DE.** PREPARED FOOD PRODUCTS—NAMELY, MAYONNAISE DRESSING, LEMON-PIE FILLING, CHOCOLATE PUDDING, PICCALILLI, MARMALADE, OLIVE-OIL. Registered May 25, 1920. JAMES A. AICARDI & SONS. Renewed May 25, 1940, to James A. Aicardi & Sons, Inc., Boston, Mass., a corporation of Massachusetts, assignee.

131,897. **AETNA.** HYDROCARBON-BURNERS. Registered May 25, 1920. JOHN SCHEMINGER, JR., Providence, R. I. Renewed May 25, 1940, to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

131,931. **DYANSHINE.** POLISH FOR LEATHER GOODS, SUCH AS SHOES, SUITCASES. Registered June 1, 1920. BARTON BELT COMPANY, assignor to Barton Manufacturing Co., Waco, Tex. Renewed June 1, 1940, to Barton Manufacturing Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

131,965. **CELLO.** CURTAIN-WINDOWS FOR VEHICLE AND SIMILAR CURTAINS. Registered June 8, 1920. A. S. CAMPBELL COMPANY, Boston, Mass. Renewed June 8, 1940, to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

131,998. **MALTEDS.** A NON-ALCOHOLIC MALT BEVERAGE SOLD AS A SOFT DRINK. Registered June 8, 1920. WM. HORLICK, JR., Racine, Wis. Renewed June 8, 1940.

132,037. **CINTA-AZUL.** SOAP. Registered June 8, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 8, 1940.

132,109. **REX.** IRON AND STEEL CASTINGS AND FORGINGS. Registered June 15, 1920. CHAIN BELT COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 15, 1940.

132,228. **DUCK.** SOAP. Registered June 15, 1920. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 15, 1940.

132,229. **PATO.** SOAP. Registered June 15, 1920. THE PROCTOR & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 15, 1940.

132,253. **STANDARD, ETC.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered June 15, 1920. STANDARD VARNISH WORKS, New York, N. Y. Renewed June 15, 1940, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York.

132,396. **THEA-NECTAR.** TEA. Registered June 22, 1940. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed June 22, 1940, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

132,397. **RED FRONT.** BAKING-POWDER. Registered June 22, 1920. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed June 22, 1940, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

132,513. **WE-NO.** A SOFT DRINK CONTAINING LESS THAN ONE-HALF OF ONE PER CENT. ALCOHOL, BY VOLUME, AND APPROXIMATELY THREE PER CENT. MALT. Registered June 22, 1920. THE F. & M. SCHAEFER BREWING CO., New York, N. Y. Renewed June 22, 1940, to The F. & M. Schaefer Brewing Co., Brooklyn, N. Y., a corporation of New York.

132,691. **A & P.** BAKING-POWDER, SODA, CREAM OF TARTAR, AMMONIA, AND LIQUID BLUE. Registered June 29, 1920. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed June 29, 1940, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey.

132,749. **BORIS.** CANNED VEGETABLES. Registered June 29, 1920. THE MOUNT AIRY CANNING CO., Mount Airy, Md. Renewed June 29, 1940, to The Mount Airy Canning Co., Preston, Md., a corporation of Maryland.

132,768. **MASTERPIECE.** WRITING AND PRINTING PAPERS AND WRITING-TABLETS. Registered June 29, 1920. OSBORNE PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed June 29, 1940.

132,769. **HYCLASS.** WRITING AND PRINTING PAPERS AND WRITING-TABLETS. Registered June 29, 1920. OSBORNE PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed June 29, 1940.

132,802. **BOSCUL.** TEA AND RICE. Registered June 29, 1920. WILLIAM S. SCULL COMPANY, Camden, N. J., a corporation of New Jersey. Renewed June 29, 1940.

132,902. **MINERALITE.** BOWLING-BALLS. Registered July 6, 1920. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed July 6, 1940, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware.

132,919. **REDUCYCLE.** A SWEAT-CABINET AND AN EXERCISING APPARATUS. Registered July 6, 1920. JACK COOPER, doing business as Jack Cooper's Reducycle Co., New York, N. Y. Renewed July 6, 1940.

133,012. **ONEIDA COMMUNITY, ETC.** CERTAIN NAMED FLAT-WARE PLATED WITH PRECIOUS METAL. Registered July 6, 1920. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Renewed July 6, 1940, to Oneida Ltd., Sherrill and Oneida, N. Y., a corporation of New York, by change of name.

LABELS

REGISTERED FEBRUARY 13, 1940

54,253.—*Title:* BEECH-NUT COCONUT COOKIES. For Coconut Cookies. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 22, 1939.

54,254.—*Title:* ERASER STIK. For Wood Encased Erasers in the Form of a Pencil. A. W. FABER, INC., Newark, N. J. Published August 9, 1939.

54,255.—*Title:* FREIHOFER'S PERFECT BREAD. For Bread. FREIHOFER BAKING COMPANY, Philadelphia, Pa. Published October 2, 1939.

54,256.—*Title:* COFFEE PATTIES. For Chocolate Covered Coffee Creams. E. F. KEMP, INC., Somerville, Mass. Published November 14, 1938.

54,257.—*Title:* MOLASSES CHIPS. For Molasses Chips. E. F. KEMP, INC., Somerville, Mass. Published February 7, 1939.

54,258.—*Title:* GOODWEAR TESTED STOCKINGS BY LEVET. For Stockings. BENJ. LEVITT & BROS., New York, N. Y. Published July 7, 1939.

54,259.—*Title:* RY-THIX. For Genuine Swedish Crisp-Bread. NATIONAL IMPORTING COMPANY, Boston, Mass. Published December 1, 1939.

54,260.—*Title:* QUAKER BALL POINT STRETCHER. For Stretchers of the Type Commonly Referred to as Curtain Stretchers. QUAKER STRETCHER COMPANY, Kenosha, Wis. Published January 4, 1940.

54,261.—*Title:* THE WONDERFUL LAND OF OZ LIBRARY. For Books. THE REILLY & LEE COMPANY, doing business as Reilly & Lee, Chicago, Ill. Published September 21, 1939.

54,262.—*Title:* STRAX THE FRIEND OF THE FEET. For a Preparation Useful in the Treatment of Minor Skin Irritations and Particularly for Athlete's Foot. STRAX MFG. CO., Oakland, Calif. Published December 20, 1939.

54,263.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 14, 1939.

54,264.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 14, 1939.

54,265.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 15, 1939.

54,266.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 27, 1939.

PRINTS

REGISTERED FEBRUARY 13, 1940

17,832.—*Title:* CHARGE-MASTER. For Instruments, to Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. THE ANDERSON COMPANY, Gary, Ind. Published January 11, 1940.

17,833.—*Title:* CHARGE-MASTER. For Instruments, to Indicate the Potential of the Automotive Vehicle Battery, and the Electrical System Associated Therewith. THE ANDERSON COMPANY, Gary, Ind. Published January 11, 1940.

17,834.—*Title:* SPICY, OLD-TIME MINCE PIE. For Mince Meat. THE BORDEN COMPANY, New York, N. Y. Published October 6, 1939.

17,835.—*Title:* A CLEAR, CLEAN, SPARKLING FOOT COMFORT LOTION. For a Liquid Foot Comfort Lotion. GENERAL PHARMACAL COMPANY INC., Louisville, Ky. Published August 15, 1939.

17,836.—*Title:* AGAIN QUAKER LEADS WITH 2 NEW FEATURES. For Stretchers of the Type Commonly Referred to as Curtain Stretchers. QUAKER STRETCHER COMPANY, Kenosha, Wis. Published January 4, 1940.

REISSUES

FEBRUARY 13, 1940

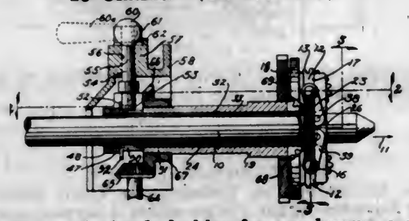
21,346

ELECTRODE RELEASE FOR ARC LAMPS

Robert J. Brandt, Hollywood, Calif.

Original No. 2,122,195, dated June 28, 1938, Serial No. 173,674, November 9, 1937. Application for reissue October 21, 1938, Serial No. 236,325

13 Claims. (Cl. 176—119)



1. In an electrode holder for arc lamps, a plurality of rotatable gear members for engaging an electrode, said gear members being mounted on a toggle, and means for actuating said toggle to release the electrode, said means comprising a tube connected to said toggle and a cam for actuating said tube.

21,347

PRUNING APPARATUS FOR TREES AND THE LIKE

John S. Goodman, near Wichita Falls, Tex.

Original No. 2,075,341, dated March 30, 1937, Serial No. 743,400, September 10, 1934. Application for reissue March 28, 1939, Serial No. 264,664

8 Claims. (Cl. 30—228)



1. A pruning device comprising a cylinder having a piston operatively disposed therein, the said piston being attached to the lowermost end of a piston rod, a spring surrounding the said piston rod and urging the piston to its normal position in the lower portion of the said cylinder, a tubular housing rigidly attached to the top portion of the said cylinder and having an integral blade attached to its uppermost end, a movable blade cooperating with the said first named blade and having an operative lever portion, a link connecting the lever portion of the said movable blade to the uppermost end of the said piston rod and operating through lateral slots in the said tubular housing, a valve attached to the lowermost end of the said cylinder and capable of admitting a fluid into the said cylinder and allowing the said fluid to escape therefrom, and means to operate the said valve.

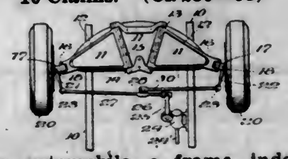
21,348

INDEPENDENT WHEEL STEERING

Jules Haltenberger, Ann Arbor, Mich.

Original No. 2,096,542, dated October 19, 1937, Serial No. 109,835, November 9, 1936. Application for reissue May 16, 1939, Serial No. 274,074

10 Claims. (Cl. 280—95)



1. In an automobile, a frame, independently suspended steerable wheels thereon, a steering lever materially offset on said frame, a primary rod connecting said lever to one of said wheels, a secondary rod on said primary rod intermediate the ends thereof and connected to the other of said wheels and means to operate said lever.

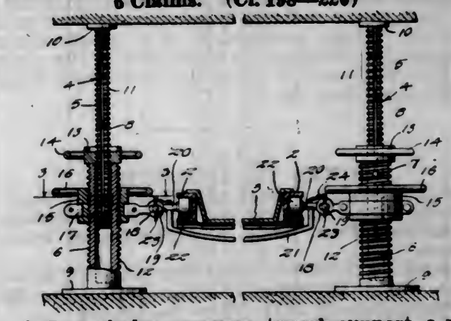
21,349

ADJUSTABLE ROLLER BRACE FOR SHAKER CONVEYERS

Luther E. Jarrett, Montgomery, W. Va., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,141,439, dated December 27, 1938, Serial No. 151,023, June 29, 1937. Application for reissue September 2, 1939, Serial No. 293,305

6 Claims. (Cl. 198—220)



1. In a shaker conveyer trough support, a pair of spaced apart supporting jacks adapted to be interposed between a mine roof and floor, a conveyer trough, a support for said trough between said jacks for supporting said trough for reciprocable movement with respect thereto including a pair of oppositely disposed rollers, supporting and guide members extending along opposite sides of said conveyer trough adapted to engage said rollers, and a supporting connection between said rollers and jacks including support members mounted on said jacks for vertical adjustment with respect thereto, a pair of oppositely disposed stub shafts having said rollers journaled thereon, and pivotal connections between said

stub shafts and support members, permitting said stub shafts to be horizontally positioned, when said jacks are in various angular positions with respect to each other and permitting said shafts and rollers to be adjusted to level said trough in a transverse direction and permit said trough to be aligned with the remainder of the conveyer trough line in a longitudinal direction.

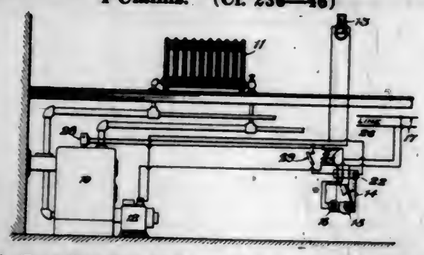
21,350

HEATING SYSTEM

William F. Miller, Evansville, Ind., assignor to Industrial Engineering Corporation, Evansville, Ind., a corporation

Original No. 2,077,250, dated April 13, 1937, Serial No. 30,675, July 10, 1935. Application for reissue August 4, 1937, Serial No. 157,430

4 Claims. (Cl. 236—46)



1. In a heating system, in combination with an electrically operated furnace and a heat distributing radiator located in the room to be heated and connected with said furnace, a single electric circuit for controlling the operation of said furnace, a furnace thermostat and a room thermostat in series with the control circuit, a time controlled switch connected in parallel solely with the room thermostat for closing said furnace circuit at frequent regular intervals of time and throughout definite variably adjustable predetermined durations, the frequency of periodic furnace operation being at substantially 15 minute intervals, and the duration thereof being variably adjusted from 1–7 minutes to intermittently supply heat to the radiator synchronously with said periodic furnace operation so as to substantially increase the baseboard temperature of the room without substantially increasing the temperature at the breathing line.

21,351

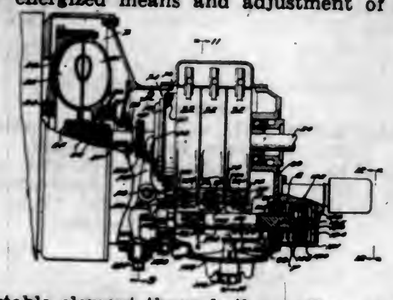
POWER TRANSMISSION

Carl A. Neracher, Detroit, and Teno Iavelli, Dearborn, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original No. 2,159,339, dated May 23, 1939, Serial No. 53,284, December 7, 1935. Application for reissue June 20, 1939, Serial No. 280,148

51 Claims. (Cl. 74—262)

1. In a motor vehicle transmission having a plurality of speed ratio controlling devices, fluid power operating means for selectively operating said controlling devices, an adjustable element adapted to selectively establish an operating connection between said power operating means and said controlling devices, fluid pressure valving means controlling said power operating means, electrically energized means for operating said valving means, a manually operable selector element, motion transmitting mechanism operably connecting said selector element with said adjustable element, and means so constructed and arranged that manual adjustment of said selector element causes operation of said electrically energized means and adjustment of said



adjustable element through the medium of said motion transmitting mechanism.

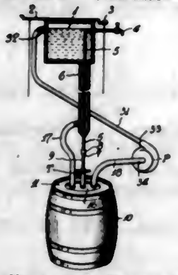
21,352

BEER COOLER DEVICE

John Panagopoulos, Youngstown, Ohio, assignor to Novadel-Agene Corporation, a corporation of Delaware

Original No. 2,096,591, dated October 19, 1937, Serial No. 122,378, January 26, 1937. Application for reissue April 14, 1939, Serial No. 267,857

10 Claims. (Cl. 225—40)



2. A brew cooling and dispensing installation, comprising a keg incorporating in the structure thereof a hollow part in heat exchange relation with the keg contents, a dispensing faucet remote from said keg, an elongated brew line extending from said keg to said faucet, a conduit extending lengthwise of said brew line substantially the entire length of the latter and in heat exchange relation therewith, a source of cooling liquid and propulsion means for circulating cooling liquid from said source both through the hollow part incorporated in the keg and through the conduit along the brew line thereby to maintain the quiescent contents of the keg at substantially dispensing temperature and to prevent rise in the temperature of the keg cooled brew as it flows out of the faucet.

21,353

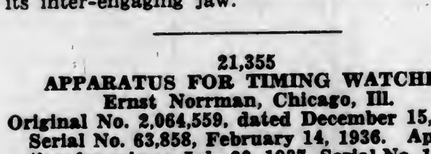
MACHINE FOR CUTTING SHEET MATERIAL

Walter I. Stone, Worcester, Mass., assignor of one-half to John J. Adams, Shrewsbury, Mass.

Original No. 2,131,153, dated September 27, 1938, Serial No. 148,160, June 14, 1937. Application for reissue October 30, 1939, Serial No. 301,998

20 Claims. (Cl. 164—58)

1. In a machine for cutting sheet material having a base, a cutting block and a cutting head, that improvement which consists in providing an auxiliary support for long strips of sheet material which support extends substantially rearward from said cutting block, means to connect said support to move with said block, a bearing member on which said support is slid-



ably mounted, and means to move said block and support simultaneously forward and rearward on said base and bearing member.

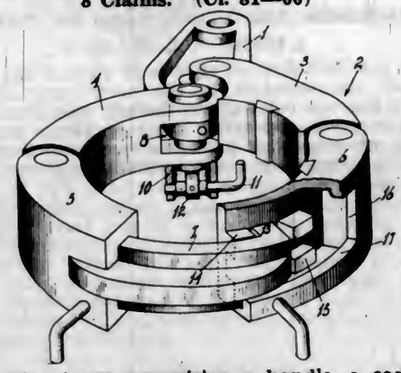
21,354

PIPE TONGS

Leonard E. Vaughn, Los Angeles, Calif., assignor to Patco, Inc., Los Angeles, Calif., a corporation of California

Original No. 2,093,788, dated September 21, 1937, Serial No. 80,358, May 18, 1936. Application for reissue March 5, 1938, Serial No. 194,211

8 Claims. (Cl. 81—66)



1. Pipe tongs comprising a handle, a casing-engaging means connected to the handle, said means comprising oppositely disposed pipe-engaging jaws, said jaws being pivotally attached at one end to the handle, one of said jaws being vertically movable, means detachably connecting the outer swinging ends of the jaws, said last named means including a manually operable means engaging one of the jaws whereby said last named jaw is moved vertically with respect to its inter-engaging jaw.

21,355

APPARATUS FOR TIMING WATCHES

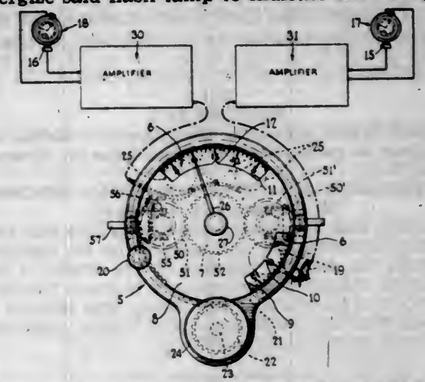
Ernst Norrman, Chicago, Ill.

Original No. 2,064,559, dated December 15, 1936, Serial No. 63,858, February 14, 1936. Application for reissue July 30, 1937, Serial No. 156,548

19 Claims. (Cl. 73—51)

12. An apparatus for timing watches comprising, in combination, a motor, a reference dial constantly driven thereby, an index member adjacent said dial, means for mounting the dial and index member for relative adjustment to

frame the dial, a flash lamp for illuminating the reference dial adjacent the index member, tick responsive devices adapted to receive respectively a master watch and a watch to be tested, means cooperating with one tick responsive device to energize said flash lamp to indicate lack of synchronism between the rotating dial and the ticks of the said watch, means to reframe the dial with respect to the index member, and means cooperating with the other tick responsive device to indicate the extent of lack of synchronism between the dial and the ticks of the other watch.



21,356

METHOD OF AND MEANS FOR TREATING WELLS

Mose B. Pitzer, Monahans, Tex.

Original No. 2,080,875, dated May 18, 1937, Serial No. 68,098, March 10, 1936. Application for reissue February 18, 1938, Serial No. 191,346

15 Claims. (Cl. 166—21)



1. The herein described method of increasing the flow of a well which includes the steps of inserting a treatment fluid, and then breaking up the wall of the well adjacent to the fluid by firing solid substances thereinto.

PLANT PATENTS

GRANTED FEBRUARY 13, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

361

ROSE PLANT

Walter Irwin Johnston, Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y.

Application June 9, 1939, Serial No. 278,369

1 Claim. (Cl. 47—61)

A new and distinct variety of Hybrid Tea rose plant, characterized particularly by its vigorous growth, the distinct coloring of the flower at the different stages of development thereof, the fragrance and the form of the flower and texture of petals, and the coloring of the foliage, substantially as shown and described.

362

ROSE PLANT

Wilhelm Kordes, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y.

Application June 1, 1939, Serial No. 276,919

1 Claim. (Cl. 47—61)

A new and distinct variety of large flowering Polyantha rose plant, characterized as to novelty by the rich coloring of its bud and open flower, its large size, the form and color of petals, the color of foliage, the form and color of thorns, substantially as shown, and the vigor of growth and strength of shoots, as described.

363

ROSE PLANT

Wilhelm Kordes, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y.

Application June 1, 1939, Serial No. 276,920

1 Claim. (Cl. 47—61)

A new and distinct variety of Hybrid Tea rose plant, characterized by the persistency of the dark Maroon color of its flowers, and the thick satiny-shiny appearing petals making up the high centered large size flowers borne on medium length strong stems, substantially as shown and described.

PATENTS

GRANTED FEBRUARY 13, 1940

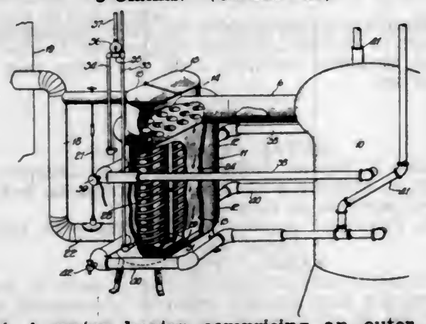
2,189,749

WATER HEATER

Fred T. Windheim and John Windheim, Nutley, N. J.

Application July 31, 1937, Serial No. 156,641

5 Claims. (Cl. 122—32)



4. A water heater comprising an outer insulated casing, an inner metal casing disposed in spaced relation to said outer casing, a group of vertical flue tubes opening through opposite ends of said inner casing, a flue inlet in the top of said outer casing, a flue outlet at the bottom of said outer casing, a hot water heating coil pipe encircling said group of flue tubes and supported in spaced relation with respect to said flue tubes and inner casing, and hot water inlet and outlet pipes leading from said inner casing and adapted to be connected with the boiler water chamber of a furnace.

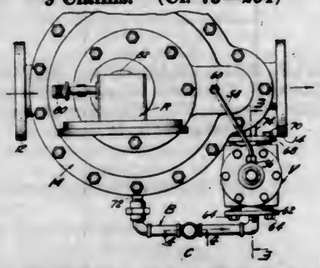
2,189,750

BY-PASS COMPENSATOR FOR METERS

Raymond H. Barge, Mineola, N. Y., assignor to National Meter Company, Brooklyn, N. Y., a corporation of New York

Application December 23, 1938, Serial No. 247,403

9 Claims. (Cl. 73—254)



1. A compensated meter arrangement comprising a liquid flow meter having inlet and outlet passages, a register driven thereby, a by-pass conduit communicating with said inlet and outlet passages, and pressure-controlled valve mechanism in said by-pass conduit, said valve mechanism including a diaphragm, means to apply the meter inlet pressure to one side of the diaphragm, means to apply the meter outlet pressure to the other side of the diaphragm, a loading spring bearing against one side of the diaphragm and tending normally to move the valve in one direction, whereby said valve is moved in that direction when the differential pressure across the meter is small, and is moved in the opposite direction when the differential pressure across the meter is large.

2,189,751

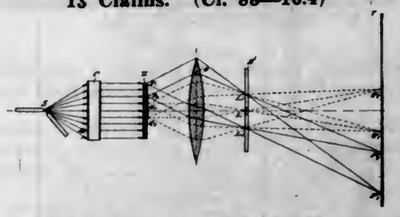
METHOD FOR OBTAINING IN PROJECTION IMAGES IN COLORS

Carlo Bocca and Domenico Rudatis, Venice, Italy

Application February 4, 1938, Serial No. 188,607

In Italy December 15, 1937

13 Claims. (Cl. 88—16.4)



1. Method of producing projected pictures in natural colors which comprises, after preparing by known methods a series of partial positive images of polychromatic selection of the subject, the steps of obtaining of each partial positive image a copy on a separate goffered layer of sensitized colloids, the goffering of each layer consisting of elements refracting the light in determined directions distinct from the directions in which the light is refracted by the gofferings of the other layers, the refraction plane of the goffering of each layer also having an orientation different from the orientation of the refraction plane of the gofferings of the other layers, washing out the layers to remove unaffected colloids, hardening the colloids remaining in the washed layers, impressing in succession the hardened layers with the corresponding points in register upon a plastic, transparent layer of material, hardening the impressed layer, illuminating the impressed hardened layer with a beam of parallel light emanating from a luminous source, forming on a given plane by means of unrefracted light a central real image of the luminous source and by means of refracted light as many distinct series of real images of the luminous source as there are partial positive copies, each series being formed of images aligned along a common direction passing through the center of the central image, obturating the unrefracted light forming the central image, coloring the refracted light forming the images aligned along the common direction with the same color as that of the color filter employed for preparing the partial positive image printed on the layer whose goffering refracts the light forming said images, and projecting the colored diffracted light on the projection screen.

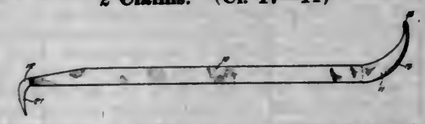
2,189,752

POULTRY DRAWER

Karl Breitschwerdt, Brooklyn, N. Y.

Application March 7, 1939, Serial No. 260,281

2 Claims. (Cl. 17—11)



1. In a poultry drawer, in combination, a han-

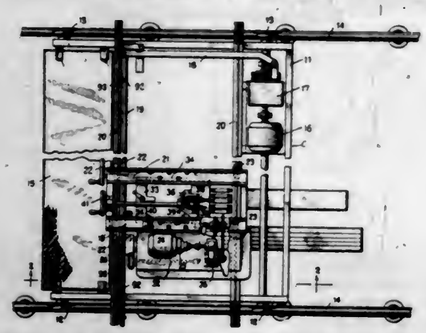
die, and two prongs extending arcuately from the end thereof and away from each other, the inner sides thereof forming a slot gradually increasing in width outwardly, the edges of the inner sides being rounded throughout to prevent mutilation of the parts of the poultry that are withdrawn.

2,189,753

BILLET CONDITIONING METHOD

James H. Bucknam and Alfred J. Miller, Cranford, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application April 24, 1937, Serial No. 138,717
4 Claims. (Cl. 148—9)



1. A method of thermo-chemically conditioning a steel ingot bloom or billet, having an irregular end, which comprises first concurrently applying a high temperature heating flame and a relatively high-velocity jet of oxidizing gas against said body and progressively in a direction substantially perpendicular to its length and near said end to thermo-chemically sever said irregular end and provide a straight square edge at the starting end of the surface to be treated; and then directly thereafter removing a layer of metal from said surface by concurrently impinging a relatively wide-temperature heating flame and a relatively wide low-velocity oxidizing stream obliquely against and progressively lengthwise of said surface to the other end of said body; and beginning such metal layer removal at such newly formed straight square edge so as to utilize the latter to assist initially in accurately aligning the impinging portions of said wide flame and said wide oxidizing stream relatively to the length direction of said surface and also to utilize said edge to concentrate the heat applied thereto by said wide flame and uniformly distribute such heat along said edge through the width of said wide flame in order to expedite the starting of the metal layer removal uniformly across the entire width heated by said wide flame.

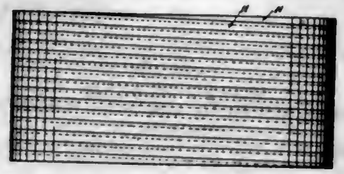
2,189,754

ENDLESS GRINDING AND POLISHING BELT

George H. Cherrington, Pittsburgh, Pa.

Application April 29, 1938, Serial No. 204,946
2 Claims. (Cl. 51—188)

2. In combination with a pair of pulleys spaced from each other, an endless belt for grinding or polishing sheet metal trained about said pulleys with portions extending between the pulleys, said belt comprising an elongated strip of flexible material having an inner scarfed edge face along one side edge and an outer scarfed edge face along its other side edge, said strip being coiled to provide convolutions disposed in side by side relation to each other to form a composite belt of predetermined length and width and having their inner scarfed edge faces



adheringly secured upon the outer scarfed edge faces in flat face to face engagement therewith, and abrading material upon the outer face of the belt.

2,189,755

METAL COMPOSITION

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application September 22, 1937, Serial No. 165,170
1 Claim. (Cl. 75—134)

A metal composition wherein a mass of substantially non-alloying particles of tungsten are bonded by an alloy of lower melting point than said tungsten, said composition containing 40% to 70% tungsten, from 0.5% to 5% of metal selected from the group consisting of cadmium and zinc, balance substantially all silver.

2,189,756

MOLYBDENUM COMPOSITION

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application November 8, 1939, Serial No. 303,366
1 Claim. (Cl. 75—176)

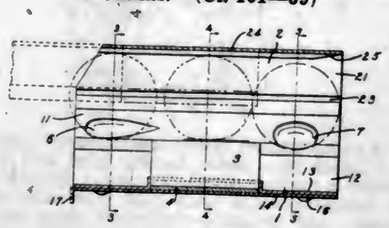
A metal composition wherein a mass of substantially non-alloying particles of molybdenum are bonded by an alloy of lower melting point than said molybdenum, said composition containing 40 to 70% molybdenum, 0.5 to 20% of metal selected from the group consisting of cadmium and zinc, balance substantially all silver.

2,189,757

GOLF BALL MARKING DEVICE

Russel J. Hibbard, Manette, Wash.

Application August 22, 1938, Serial No. 226,093
8 Claims. (Cl. 101—39)



1. A golf ball marker comprising a lower trough having V-disposed substantially plane sides to engage and support the ball for movement lengthwise of the trough, but only along two widely spaced circles parallel to and disposed one on each side of its equator, an upper slide guided upon the lower trough for movement lengthwise of the trough, and shaped to engage the ball substantially only along two closely spaced circles parallel to and disposed one at each side of its equator, and a marking die disposed in the path of the ball's equator, and of a width less than the spacing of the two latter circles, to mark the ball thus rolled along.

2,189,758

WINDOW CONSTRUCTION

Waldo L. Kraemer, Brooklyn, N. Y., assignor to Kearfott Engineering Company, Inc., a corporation of New York

Application December 8, 1936, Serial No. 114,755
2 Claims. (Cl. 114—178)



1. A unitary window construction for the deck of a ship comprising, in combination with spaced columns having outer flanges flush with the ship's side above and below an opening, a window frame having a circumambient lateral flange secured around the opening to the inner faces of the said flanges and of the portions of the ship's side above and below the opening, the frame being so proportioned that the said flanges along the sides of the opening and the ship's side above the opening overlap the frame, the side members of the frame having each a centrally disposed longitudinal guide channel and an inwardly projecting retaining boss along each side thereof, an upper stationary window-pane frame secured in the frame at the top of the opening between the outer boss and the overlapping flanges and ship's side, a lower stationary window-pane frame secured in the frame at the bottom of the opening against the inner boss, and a pair of oppositely moving window-pane frames slidable in the guide channel and proportioned to close the space between the upper and lower stationary window frames.

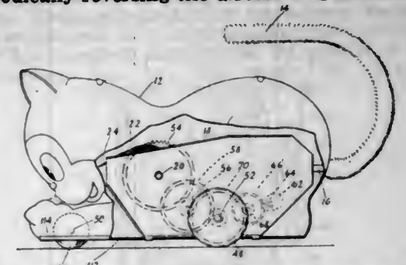
2,189,759

REVERSING ROLL-OVER TOY

Raymond J. Lohr and Richard Nelson Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application June 3, 1939, Serial No. 277,222
18 Claims. (Cl. 46—104)

1. A toy comprising a toy body, a reaction member outside said body and connected to a shaft which projects from the body, a motor in said body for rotating said shaft to cause the reaction member to bear against the floor and thereby cause the body to roll over on the floor, and means between said motor and said shaft for periodically reversing the direction of rotation of



the shaft so that the body rolls over one way and then the other.

2,189,760

FITTING FOR FIXING SKINS TO SKIS

Dimi Mattheé and Félix Genecand, Geneva, Switzerland

Application March 19, 1937, Serial No. 131,793. Renewed November 7, 1939. In Switzerland October 24, 1936
4 Claims. (Cl. 280—11.13)



1. In fittings for fixing skins and the like to skis and comprising at least one pair of cooperating members capable of securely connecting the ski and skin into a composite whole, wherein the one or first member is fixed to the bottom of the ski and the other or second member secured to the skin, the features consisting in that the first member fixed to the ski is elongated longitudinally of said ski and has prongs at the ends extending into the bottom of the ski, there being longitudinally disposed notches formed in said ends and prongs at their mutual junctions, and in that the second member secured to the skin includes an integral pair of opposed elongated jaws capable of partly enveloping and directly gripping the elongated portion of said first member in longitudinally slidable relation therewith.

2,189,761

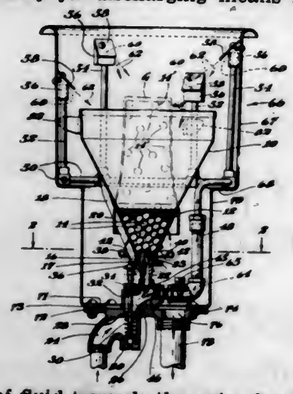
APPARATUS FOR WASHING HOLLOW VESSELS

William McKenna, Erie, Pa., assignor to McKenna-Rott Equipment Corp., New York, N. Y., a corporation of New York

Application February 17, 1936, Serial No. 64,287
10 Claims. (Cl. 15—95)

1. In a washing device, means for supporting a hollow article to be cleaned, means for discharging a fluid jet against the inside walls of said article, abrasive pellets positioned in the

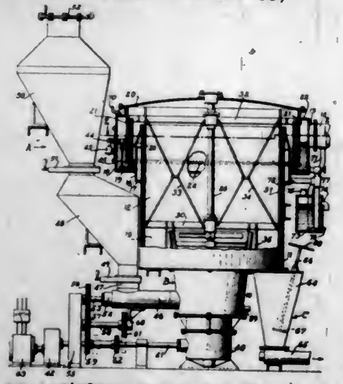
path of said jet and adapted to be moved thereby against the inside walls of the article to be cleaned, means for collecting the spent pellets and for reintroducing them into the path of said jet, auxiliary jet discharging means for directing jets of fluid towards the axis of said first jet cooperating with said collecting means to urge said pellets into the path of said jet, and jet discharging means positioned at different levels and adapted to direct fluid jets against the outer walls of the article to be cleaned.



2,189,762
APPARATUS FOR DRY GENERATION OF ACETYLENE

Maurice O'Brian, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a corporation of New York

Application August 27, 1937, Serial No. 161,175
14 Claims. (Cl. 48—38)



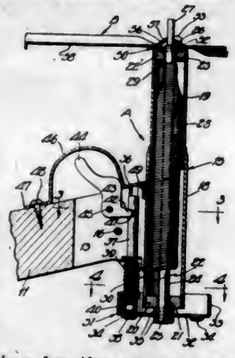
1. In an acetylene generator the combination comprising a reaction chamber in which water is brought into contact with calcium carbide to generate acetylene, said chamber having an upper rim over which gas generated in the chamber flows; and an integral annular scrubber surrounding said chamber and arranged to scrub the gas passing over said rim said scrubber being adapted to confine a body of water independently of the water employed for generating the acetylene.

2,189,763
AERIAL TOY

Frank Schimpfle, Garwood, N. J.

Application September 21, 1939, Serial No. 295,871
5 Claims. (Cl. 46—84)

1. An aerial toy comprising in combination, a tubular casing, a shaft journaled at opposite ends of said casing and extending therebeyond, a coil spring having one of its ends fixed to said shaft and its other end freely connected to said casing, a hand operated ratchet wheel fixed to the inner end of said shaft having ratchet teeth on the inner side thereof, a slidable spring actuated ratchet pin having one of its ends normally engaging a tooth of said ratchet wheel to prevent rotation of said shaft when placed under tension

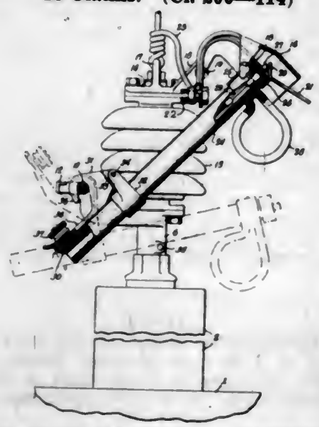


of said spring by the manual turning of said ratchet wheel in one direction, trigger means operable for disengaging said ratchet pin from engagement with the tooth of said ratchet wheel, a projector element fixedly attached to the outer end of said shaft including a pair of outwardly extending diametrically opposed cam surfaces, and a propeller element normally seated upon said projector element intermediate the opposed cam surfaces thereof.

2,189,764
FUSE CONSTRUCTION

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application August 31, 1936, Serial No. 98,648
16 Claims. (Cl. 200—114)

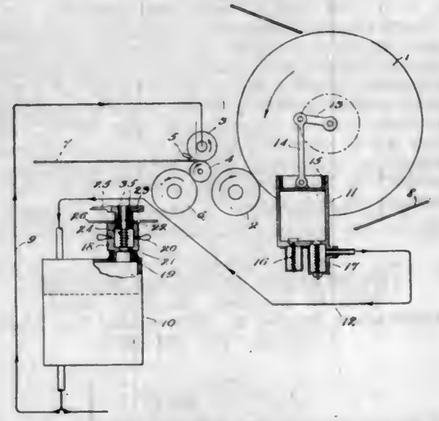


5. In a circuit interrupter, an insulating bushing, anchor means carried by said bushing, a drop-out fuse structure including a base portion detachably secured to said anchor means and forming with said anchor means a part of an electrical circuit, a fuse tube pivotally supported from said base portion, an upper latch means for said fuse tube, and a fuse link within said fuse tube normally restraining said fuse tube against pivotal motion, said fuse tube when released by said fuse link moving from operative position to inoperative position away from said upper latch means, said fuse tube being releasable from said upper latch means by a substantially downwardly directed pull while said fuse link is intact.

2,189,765
MOISTENING DEVICE FOR DUPLICATING MACHINES

Zoltan Takats, Bridgeport, Conn.

Application November 29, 1938, Serial No. 242,869
14 Claims. (Cl. 101—132.5)

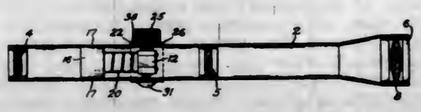


1. In a duplicating machine printing onto clear sheets previously moistened with a readily volatilizing solvent including a printing roller bearing copyable mirror-script original and a counter pressure roller cooperating with said printing roller, a moistening mechanism comprising in combination a moistening roller constituted of a material having finely and uniformly distributed microscopic pores therein, and means for feeding a readily volatilizing solvent under superatmospheric pressure through said pores to the outer surface of said roller.

2,189,766
TELESCOPE RETICULE ADJUSTMENT

John Unertl, Pittsburgh, Pa.

Application March 7, 1939, Serial No. 260,365
4 Claims. (Cl. 33—50)

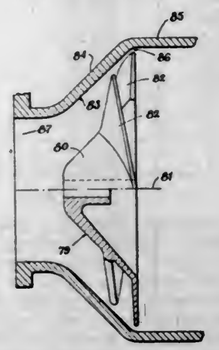


1. In a telescope comprising a tubular body and a reticule support therein, means for adjustably mounting said reticule support in operative position comprising a helical spring within said body and extending axially thereof, means for securing one end of said spring with respect to the inner wall of the body with the line of sight of the telescope passing through the spring, means for securing said reticule support to the free end of said spring, and means operable from outside said body for adjusting the position of said reticule support with respect to the axis of said body.

2,189,767
FAN

Edwin W. Vose, Orange, N. J., assignor of twenty-five per cent to the Estate of Henry D. Walbridge, deceased, late of New York, N. Y.

Application June 12, 1937, Serial No. 147,805
8 Claims. (Cl. 230—119)

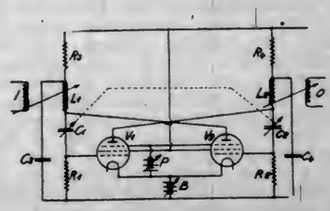


1. A rotary fan comprising a conical member having its apex directed against the direction of air flow, a plurality of blades mounted on and having axially active extremities projecting beyond the largest diameter of said conical member to form an outer zone in which air is moved axially, a substantial portion of said conical member extending in front of the entering edges of said blades being smooth and unbroken and forming an inner non-turbulent zone in which the entering air is parted, the portions of said blades between said outer zone and said non-turbulent zone forming an intermediate zone in which the parted air is given combined axial and centrifugal movement and is delivered to said outer zone to be moved axially.

2,189,768
VARIABLE COUPLING OF ELECTRICAL OSCILLATORY CIRCUITS

Horace Dudley Ellis, London, England, assignor to Murphy Radio Limited, London, England, a company of Great Britain

Application October 2, 1935, Serial No. 43,191
In Great Britain October 11, 1934
8 Claims. (Cl. 179—171)



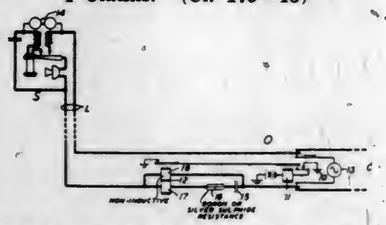
1. A band-pass filter of variable selectivity comprising two oscillatory circuits, two thermionic valves with circuits for supplying heating current and anode current thereto, means connecting the grids of said valves the one to the one oscillatory circuit and the other to the other, means for coupling each oscillatory circuit to the anode circuit of the valve of which the grid is fed by the other oscillatory circuit, and means for varying the slope of said valves.

2,189,769

TELEPHONE SIGNALING SYSTEM

Donald F. Johnston, Pelham, and John B. Shiel, Glen Head, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 4, 1938, Serial No. 205,906
4 Claims. (Cl. 179—18)



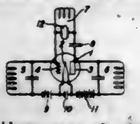
1. In a telephone system, a line circuit, a subscriber's station thereon, a signal device at said station, a source of signaling current, means responsive to the seizure of said line circuit for connecting said source of signaling current thereto to cause the actuation of said signal device, and means effective when the subscriber at said station responds to the actuated signal by removal of the receiver from its switchhook for automatically disconnecting said source of current from said line circuit, said means including a relay having a non-linear resistor connected in series with the operating winding thereof and with said source of signaling current and a non-inductive winding connected in shunt with said operating winding and its serially connected resistor.

2,189,770

PIEZOELECTRIC CONTROLLED OSCILLATOR

Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 19, 1938, Serial No. 219,959
14 Claims. (Cl. 250—36)



1. In combination, an electron discharge device having a plurality of electrodes including a cathode, an anode and a control element, and three individual circuits connected respectively between the cathode and the anode, the cathode and the control element and the anode and the control element each of the three circuits comprising a tuned loop, the circuit connecting the anode and the control element and including the anode-control element interelectrode capacitance being anti-resonant at the resonance frequency of the other two individual circuits to constitute a neutralized amplifier and a piezoelectric element connected in one of the three individual circuits and having a mode of oscillation at a single frequency within the effective transmission band of the two circuits which connect the anode to the cathode and the control element to the cathode.

2,189,771

PROCESS FOR PRODUCING STYRENE

Omar H. Smith, West Englewood, N. J., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 22, 1937, Serial No. 144,310
5 Claims. (Cl. 260—669)

1. In a process of producing styrene from ethyl benzol by a cracking operation in a heated tube, the step of passing through the heated tube a mixture of ethyl benzol with a substantial proportion of a poly-halogen aliphatic hydrocarbon and an organic base capable of forming a hydrohalide.

2,189,772

THE MANUFACTURE OF MODIFIED, HEAT-BODIED OIL PRODUCTS

László Auer, Budapest, Hungary, assignor to J. Randolph Newman, Washington, D. C., as trustee

No Drawing. Application October 23, 1926, Serial No. 143,786. Renewed April 15, 1936. In Hungary May 19, 1926
2 Claims. (Cl. 260—407)

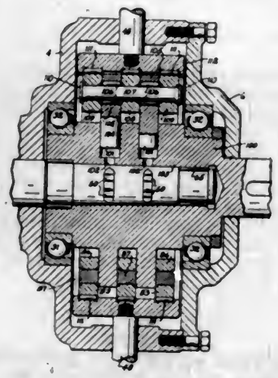
1. In the manufacture of modified heat-bodied oil products from fatty oils, the improved process of enhancing the heat-bodying of the oil which comprises mixing about 5 per cent of dry sodium oxalate with a fatty oil, heating the mixture to temperatures between 300 and 350° C. until said salt is dispersed in said oil and until a substantially solidified, modified, heat-bodied oil product is obtained and then cooling the oil product so obtained.

2,189,773

HYDRAULIC PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application August 9, 1935, Serial No. 35,480
7 Claims. (Cl. 103—161)



4. In a rotary, radial piston pump or motor, a rotatable barrel having radial cylinders spaced axially of the barrel from each other and having their axes in a common plane through the rotative axis of the barrel, valve means for the cylinders, plungers in the cylinders and having their outer end portions spaced apart axially of the barrel, rotatable coaxial reactance rings eccentric to the barrel and positioned respectively between adjacent outer end portions of the plungers and at the outermost end limits of the plungers axially of the barrel, a thrust pin carried by the outer end portions of the plungers and common to said plungers, said pin being operatively connected to all of said rings for actuating the plungers thereby, means supporting the rings for independent floating movement axially with respect to each other, and means connecting the outermost end portions of the pin to the outermost end ones of said rings for constraining the end rings and pin to proper relative positions to each other and to the plungers axially of the barrel.

2,189,774

COLOR STABILIZATION OF GREEN VEGETABLES

James S. Blair, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 16, 1939, Serial No. 262,305
4 Claims. (Cl. 99—186)

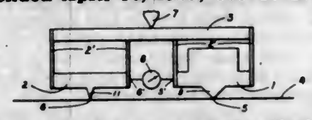
1. The method of stabilizing the natural green color of vegetables during canning and storage which comprises immersing the product in a solution containing a drastically alkaline reagent in which sodium is the cation at a temperature not exceeding room temperature to establish an alkaline reserve, subjecting the product to a blanch solution containing calcium hydroxide to protect the product against rupture and to maintain the alkaline reserve, adding a brine containing magnesium hydroxide to the product to establish a desirable texture and to continue the maintenance of the alkaline reserve, and processing by heat.

2,189,775

DYNAMICALLY COMPENSATED STRAIN GAUGE

William M. Bleakney, Washington, D. C.

Application December 12, 1936, Serial No. 115,582
9 Claims. (Cl. 33—147)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for detecting relative displacements in a body under acceleration, comprising in combination at least two elastically deformable members which are adapted to engage the body in which the relative displacement is to be detected and which are operable to move relatively to each other upon the occurrence of any relative displacement in the said body, means for indicating any relative displacement between certain parts of said two members, the masses of said members being related to their stiffness such that the movements of said parts due to inertial deformations of the members will be substantially equal, whereby said inertial deformations will produce substantially no effect upon the indicating means.

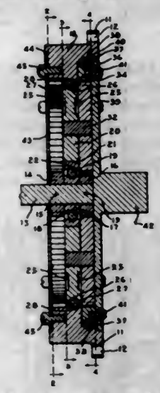
2,189,776

SPEED REDUCER

Leslie G. Bowen, Kansas City, Mo.

Application April 28, 1938, Serial No. 204,807
3 Claims. (Cl. 74—305)

1. A speed reduction device of the character described comprising a housing including an annular stationary portion, a side plate fixed thereto, and a second side plate spaced from said fixed side plate, a drive shaft extending into said housing, a pair of gears mounted between said side plates on said shaft to rotate therewith, a member rotatably mounted between said annular housing portion and said shaft, anti-friction bearing means between said rotatably mounted member and said shaft, a series of gears rotatably mounted on said rotatably mounted member and meshing with one of said gears on said shaft, a ring gear fixed on said annular housing portion with which the gears of said series mesh to rotate said rotatably mounted member about said shaft, a second series of gears rotatably mounted on said rotatably mounted member and meshing with the other of said gears on said shaft, a ring gear with which the gears of said second series mesh, anti-friction bearing means rotatably mounting said ring gear in said



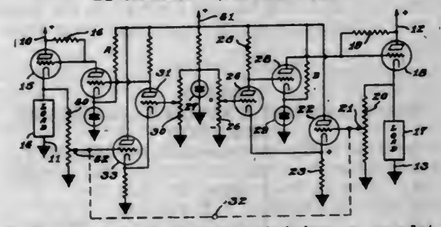
housing, means fixing said rotatably mounted ring gear to said second plate, and a driven shaft projecting from and fixed to said second side plate to rotate therewith.

2,189,777

REGULATING SYSTEM

Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1938, Serial No. 248,395
14 Claims. (Cl. 171—312)



1. In a system for maintaining a predetermined relation between the regulated voltages of a plurality of load circuits, the combination of a plurality of regulating devices each provided with a control grid circuit and with a cathode-anode circuit serially connected with a different one of said load circuits, impedance means connected in shunt to each of said load circuits, a plurality of amplifiers each provided with an output circuit and with an input circuit responsive to the potential drop of a different one of said impedance means, means responsive to the current of each of said amplifier output circuits for regulating the control grid potential of a different one of said regulating devices, and means for simultaneously adjusting the input potentials of said amplifiers.

2,189,778

PROCESS FOR THE PRODUCTION OF ASCORBIC ACID FROM SORBOSE

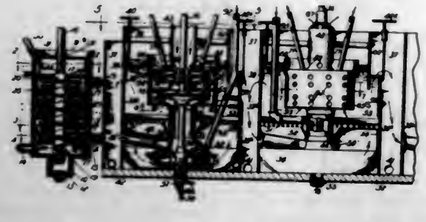
Otto Dalmer and Kurt Heyns, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 15, 1937, Serial No. 153,761. In Germany July 18, 1936
8 Claims. (Cl. 260—344)

1. The process which comprises reacting an aqueous solution of sorbose with oxygen in the presence of a noble metal catalyst, maintaining the hydrogen ion concentration conditions of that solution at approximate values represented by a

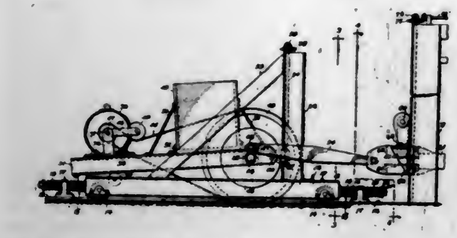
pH of the order of about 6 to 11 treating the oxidized solution with concentrated hydrochloric acid, and separating ascorbic acid.

2,189,779
EMULSIFYING MEANS AND METHOD
Arthur C. Daman, Denver, Colo., assignor, by mesne assignments, to Mining Process and Patent Company, a corporation of Delaware
Application February 12, 1936, Serial No. 63,578
18 Claims. (Cl. 209—168)



1. The combination with flotation apparatus, inclusive of an agitation chamber and a separation chamber interconnected for the flow of material from one to the other, of an emulsifying unit in the separation chamber, comprising a housing having top and bottom passages to admit matter from the separation chamber, a rotary impeller in the housing for agitating and mixing material entering the housing, and a conduit supporting the unit and having an inlet in the housing and a discharge outlet in the agitation chamber.

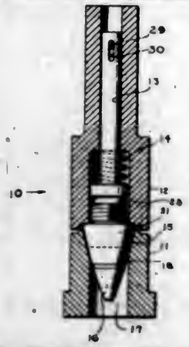
2,189,780
STONE SAWING MACHINE AND BLADE THEREFOR
Pierre de Vitry d'Avaucourt, Astoria, N. Y.
Application April 29, 1937, Serial No. 139,692
In Spain May 23, 1936
8 Claims. (Cl. 125—16)



6. The combination with a continuous saw blade of a saw bearing arm having a contact face adapted to engage and position said blade, said contact face having a varied surface to exert different pressures at different points against said blade.

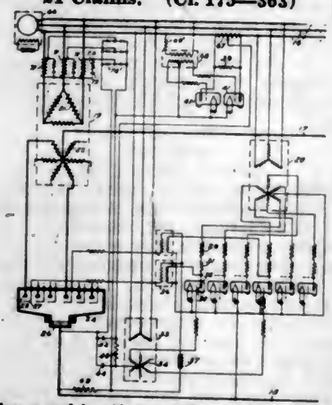
2,189,781
FUSE CRIMPING TOOL
Austin W. Day, Washington, D. C.
Application August 18, 1938, Serial No. 225,569
1 Claim. (Cl. 86—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A fuse crimping tool comprising an anvil having a tapered opening to receive and support a fuse nose and conical jacket thereon, the jacket having a portion extending beyond a fuse base placed on the fuse nose, and a punch for crimping the jacket portion about the fuse base to secure it to the fuse nose, said punch being provided with a tapered portion adapted to first contact the projecting jacket portion, a complementary tapered portion on said anvil, said tapered portion of the punch being joined by a



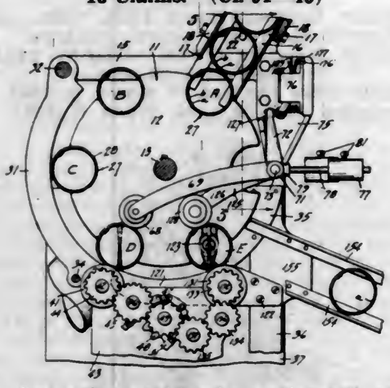
curvature to the horizontal portion adapted to overlie a correspondingly curved shoulder and horizontal portion of the fuse base to crimp the fuse jacket portion about such rounded shoulder and horizontal surface of the fuse base, a plunger reciprocal within said punch and yieldable means urging said plunger downwardly to contact a portion of the fuse base and force it into intimate contact with the jacket and nose before the punch contacts the fuse jacket.

2,189,782
ELECTRON DISCHARGE DEVICE CONTROL SYSTEM
Isadore K. Dortort, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 5, 1934, Serial No. 709,820
21 Claims. (Cl. 175—363)



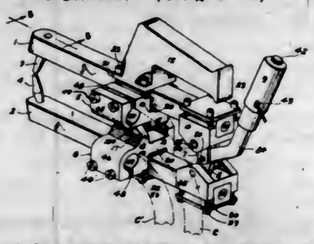
20. The combination with an alternating current supply circuit, an electric current load circuit, and electric valve means interconnecting said circuits and comprising an anode and a cathode constituting spaced electrodes for the flow of current therebetween, of means for controlling said flow of current comprising an element of said valve means other than said electrodes, means for impressing on said element a potential comprising an alternating voltage component and a unidirectional voltage component, and means operable in dependence upon variations in the said flow of current for varying the magnitudes of said components.

2,189,783
COATING MACHINE
Felix Eberhart, Arlington, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 6, 1935, Serial No. 30,143
13 Claims. (Cl. 91—45)



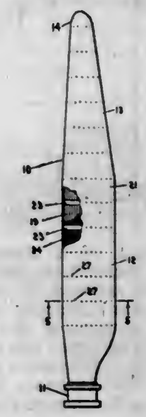
1. A spraying machine for coating with a liquid coating material the interior surface of container bodies having both ends open, comprising in combination, a rotary turret having peripherally spaced pockets for conveying container bodies in a circular path and to a plurality of spraying stations and a plurality of spraying devices at said stations respectively and alternately disposed adjacent opposite ends of said positioned bodies for ejecting sprays of said material into said positioned bodies in alternately opposed directions, thereby covering the interior surface of said bodies with a protective coating of uniform thickness.

2,189,784
WELDING DEVICE
Meril L. Eckman, Cleveland, Ohio, assignor to American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Application March 5, 1938, Serial No. 194,126
11 Claims. (Cl. 219—4)



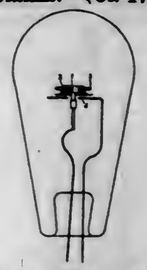
1. A portable spot-welding machine, comprising two conductor bar members, each having a welding electrode projecting therefrom, one toward the other, a pivotal connection between the members, mechanism disposed beyond the pivot in a direction away from the electrodes for moving the members about the pivot to bring the electrodes into contact with the work, said mechanism and the pivotal connection being relatively movable along the bar members from one operating position to another to vary the operating force of the mechanism, and means carried by the movable pivotal connection for receiving a supply cable for each of the conductor members.

2,189,785
WIRE PROPELLER BLADE
Delmer S. Fahrney, United States Navy
Application February 8, 1938, Serial No. 189,327
3 Claims. (Cl. 170—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A wire propeller blade comprising a light cast metal skeleton of propeller blade contour having a plurality of corrugations longitudinally thereof, a plurality of tensile wires laid in said corrugations and secured at each end of the blade, a plurality of transverse bands spaced along the blade over said longitudinal wires, and a plurality of wire wrappings about said longitudinal wires between said spaced steel bands, each turn of the transversely wrapped wire being spot welded to each adjacent turn.

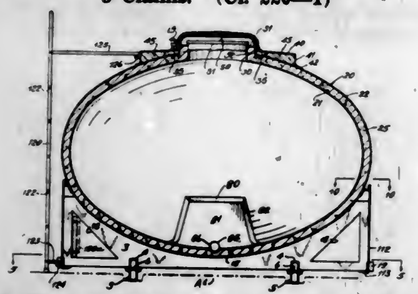
2,189,786
STRUCTURAL COMPOSITION OF ANODES FOR ELECTROTHERMICALLY MODULABLE RADIATORS
Friedrich Ernst Fischer, Erlenbach, Switzerland
Application March 17, 1937, Serial No. 131,357
In Switzerland March 20, 1936
10 Claims. (Cl. 176—1)



1. In an electronic tube in which the anode is so heated by a controlled electronic bombardment that a modulated light is radiated, an anode characterized by a low heat inertia and having the internal geometrical structure of an organic cellular framework and composed of a high melting point material which is difficultly

vaporizable in vacuum, said material being at most only in part present in the organic cellular framework.

2,189,787
DEMOUNTABLE TANK BODY
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 28, 1936, Serial No. 92,984
5 Claims. (Cl. 220—1)

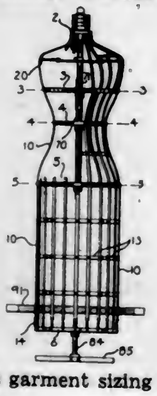


5. The combination of a double shell tank, transverse bolsters secured to the outer shell of the tank, side skirts secured to the ends of the bolsters and extending upwardly to a region adjacent but slightly outside of the outer shell of the tank, such skirts being at the top bent downwardly and inwardly to provide a gutter between the side skirt and tank, there being draining openings through the bottom of the gutter.

2,189,788
LUBRICANT
Michael W. Freeman, Detroit, Mich.
No Drawing. Application January 26, 1934, Serial No. 708,410. Renewed November 5, 1937
4 Claims. (Cl. 87—9)

1. A non-corrosive lubricant comprising a lubricating oil having incorporated therein a small amount of a free aliphatic amine base having a boiling point of not less than 45.3° F. for counteracting corrosion, absorbing acidic gases, and neutralizing acids, and a small amount of an organic nitro reducing compound for maintaining the functioning of the amine.

2,189,789
CLEANER'S GARMENT SIZING FORM
Wallmuth R. Frentzel, Chehalis, Wash.
Application April 3, 1937, Serial No. 134,829
7 Claims. (Cl. 223—70)



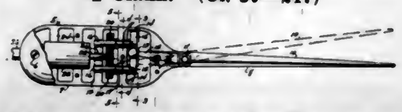
1. A cleaner's garment sizing form comprising a figure formed with flexible longitudinal strips and flexible, extensible circumferential strips interengaged therewith, the whole being generally of human shape, the circumferential strips being adjustable longitudinally of the form, and means to expand and contract said circumferential strips in any position of their adjustment simultaneously in substantially all directions, but by different amounts in different directions.

2,189,790
SEXTANT
Grandison Gardner, March Field, Calif., and Harrison G. Crocker, Langley Field, Va.
Application December 1, 1938, Serial No. 243,393
6 Claims. (Cl. 33—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
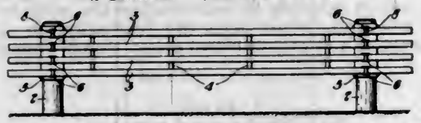


6. A sextant having in combination a frame provided with a graduated arc, an arm extending radially of the arc and pivoted to the frame for angular movement about an axis centrally of and at right angles to the plane of the arc, connecting means between the arc and one end of the arm operable for moving the latter about its axis, an eye piece on the other end of the arm including a lens mounted perpendicular to the plane of the arc, an axially spaced parallel similarly mounted opaque reticle card having a small pinhole for admitting light from an observed body and a pair of fine cross hairs on one side thereof centered with respect to the pinhole, said card being fixed to the arm in front of the eye piece and with the pinhole and cross hairs in the focal plane of the eyepiece lens.

2,189,791
SHEARS
Benjamin F. Gray, Jr., Norfolk, Va.
Application July 20, 1938, Serial No. 220,311
1 Claim. (Cl. 30—247)



A device of the character described, comprising, a handle, a shear blade fixed to said handle, a coacting shear blade pivoted to said first-mentioned blade and fashioned with an operating arm extending within said handle, a motor carried within said handle, a pair of spaced eccentrically mounted discs within said handle and fashioned with grooved peripheral faces, means connecting said motor to said discs whereby to effect eccentric rotations of said discs, and a ball fashioned on the end of said arm and seated within said grooved peripheral faces of said discs whereby to effect operation of said coacting blade upon actuation of said motor.

2,189,792
SAFETY BAND GUARDRAIL FOR HIGHWAYS
Gerald G. Greulich, Mount Lebanon, Pa.
Application July 21, 1937, Serial No. 154,928
2 Claims. (Cl. 256—13.1)



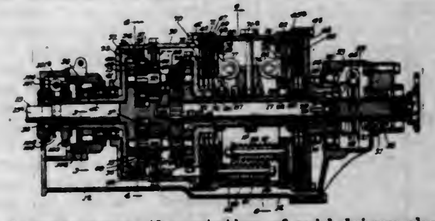
1. A road guard including a plurality of vertically spaced bands of strip steel, the ends of each individual band being secured together in end-to-end relation to form, with the other bands, a continuous unitary rail, crescent-shaped vertical stays positioned at points along said rail between said posts and welded to each of said bands forming the continuous rail, a V-shaped member supporting said unitary rail in spaced relation to each post, the outstanding legs of each of said V-shaped members being secured to opposite sides of said posts, said V-shaped member provided with spaced cut-out portions at the apex thereof to receive the spaced bands and means for locking said bands within said cut-out portions, said locking means including an outstruck tongue adapted to engage the top band of said unitary rail for supporting said locking means within said cut-out portions of said V-shaped member and retaining said bands within said cut-out portions of said V-shaped member.

2,189,793
PRODUCTION OF GLYCERIN BY FERMENTATION
Hugo Haehn, Finkenkrug, near Berlin, Germany
No Drawing. Application October 27, 1937, Serial No. 171,343. In Germany October 31, 1936
2 Claims. (Cl. 195—38)

2. In the process of producing glycerin by fermentation of sugar by means of a yeast selected from the genera consisting of top fermentation culture-press yeast, Mycoderma, Pichia, Willia, and Torula, in the presence of steering substances which produce an increased yield of glycerin in the fermentation, the step which consists in effecting fine aeration practically during the whole period of fermentation in such a manner as to provide for energetic respiration of the yeast.

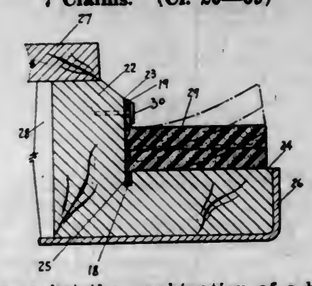
2,189,794
CHANGE SPEED GEARING
Joseph M. Hall and Herbert E. Tucker, Chicago, Ill.
Application August 8, 1935, Serial No. 35,328
14 Claims. (Cl. 74—260)

1. In a change speed device for motor vehicles, a driving shaft, a driven shaft, change speed mechanism between said shafts, said mechanism comprising a pair of internal gears, a pair of pinions engaging said gears, a shaft on which said pinions are mounted, an over-running brake for holding one of said gears from rotating in a reverse direction, over-running clutch means for locking said pinions and for causing them to rotate together, the gear ratio between one of said gears and its meshing pinion being greater than that of the other gear and pinion, whereby the differential movement between said pinions



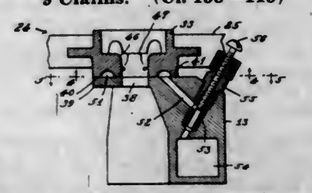
and gears causes the rotation of said driven shaft in the same direction as that of said driving shaft but at a slower speed.

2,189,795
GASKET CONSTRUCTION
August W. L. Hartbauer, Chicago, Ill.
Application November 23, 1937, Serial No. 176,071
7 Claims. (Cl. 20—69)



1. In a gasket the combination of a base portion, said base portion being of fabric material, a core, said core being rectangular and attached to said fabric, said fabric having marginal portions, said portions forming two separated flanges extending in opposite directions, one of said flanges constituting an attachment flange and the other of said flanges constituting a retaining flange, said attachment flange and said retaining flange each being adapted to extend angularly to the contact and bearing surfaces of said core, and said fabric covering said core.

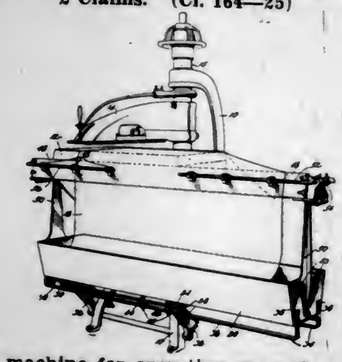
2,189,796
COMBINATION LIGHTER AND BURNER SUPPORT FOR GAS STOVES
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 12, 1936, Serial No. 100,426
9 Claims. (Cl. 158—115)



1. In a gas stove, comprising a cooking top and burners therefor, a manifold for supplying gas to said burners, a device for lighting said burners comprising a central pilot light housing and flash tubes extending therefrom to said burners to conduct gas therefrom to the pilot light housing for ignition, a pilot burner in said

housing, the same comprising a body having an annular groove provided in the bottom thereof constituting a gas inlet opening, said burner including a plurality of circumferentially spaced ports provided by holes in said body intersecting said groove, said manifold extending directly below said lighter device beneath a portion of said housing and having a gas outlet opening on the top thereof arranged to register at one point directly with said annular groove in said pilot burner to supply gas to the latter, means for securing said lighter and manifold in such assembled relation, and means for supporting said manifold in a predetermined relation to the cooking top.

2,189,797
MACHINE FOR OPERATING ON SHEET MATERIAL
Lester B. Hooper, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 14, 1937, Serial No. 168,917
2 Claims. (Cl. 164—25)



2. A machine for operating upon sheet material comprising a frame, a cutting bed, rollers mounted on the frame, a trough mounted upon the rollers for movement along the front of the machine, tracks on the under side of the trough for guiding the trough in its movement on the rollers, rails carried by the trough and extending beneath and adjacent to the rollers for preventing heightwise movement of the trough, upstanding brackets mounted upon the trough, an apron secured to the upper ends of the brackets and extending along and beyond the forward edge of the cutting bed, and clamping means for securing in fixed position heightwise of the bed an end portion of sheet material extending from the trough over the apron and bed.

2,189,798
TREATMENT OF WELLS
Carroll Irons, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 30, 1936, Serial No. 118,272
2 Claims. (Cl. 166—21)

1. In a method of treating an oil well in a calcareous formation with aqueous hydrochloric acid, wherein the acid upon admixture with oil in the formation forms a viscous mixture hindering the penetration of the acid into the formation, the step which consists in introducing the acid into the well and thence into the formation in the presence of a relatively small proportion of guaiacol.

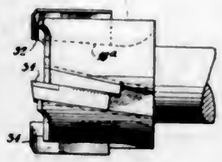
2,189,799
TREATMENT OF WELLS
Carroll Irons, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 30, 1936, Serial No. 118,273
4 Claims. (Cl. 166—21)

1. In a method of treating an oil well in a calcareous formation with aqueous hydrochloric acid wherein the acid upon admixture with oil in the formation forms a viscous mixture hindering the penetration of the acid into the formation, the step which consists in introducing the acid into the well and thence into the formation in the presence of a relatively small proportion of thymol.

2,189,800
TREATMENT OF WELLS
Carroll Irons and Leonard C. Chamberlain, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 30, 1936, Serial No. 118,274
4 Claims. (Cl. 166—21)

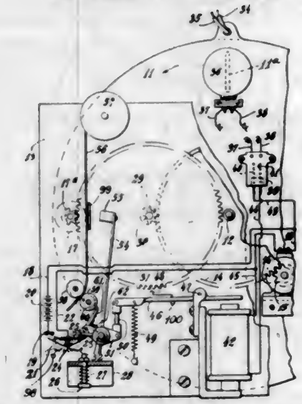
1. In a method of treating an oil well in a calcareous formation with aqueous hydrochloric acid wherein the acid, upon admixture with oil in the formation, forms a viscous mixture hindering the penetration of the acid into the formation, the step which consists in introducing the acid into the well and thence into the formation in the presence of a relatively small proportion of an agent selected from the group consisting of mono-, di-, and tri-chloro-phenols.

2,189,801
INSERTED BLADE CUTTER TOOL
Albin Johnson, Detroit, Mich.
Application July 16, 1937, Serial No. 153,910
5 Claims. (Cl. 29—105)



1. An inserted blade cutting tool comprising a supporting body having a slot therein with the opposed sides of the slot diverging in one major direction to form a wedge opening for receiving blade and wedge members, and converging outwardly in the direction transverse thereto; and cooperative blade and wedge members adapted to fit in said slot and combinedly conforming therewith the contacting areas between the blade and walls of the slot being plane surfaces for solid bearing, said blade member having an outer cutting edge insert of special cutting material and said wedge member at its outer end overlying said insert, and said members having interfitting formations on their adjacent surfaces to lock them together when wedged into said opening, said formations extending over an inner portion only of the adjacent surfaces spaced substantially from the outer edges, the remaining areas of said adjacent surfaces comprising flat planes.

2,189,802
RECORDING WEIGHING INSTRUMENT
Albert Karlsson-Ygger, Stockholm, Sweden
Application March 15, 1933, Serial No. 660,866
Renewed October 20, 1938
30 Claims. (Cl. 234—5.4)



23. In an exhibiting weighing instrument, in combination with a movable weighing element, weight exhibiting devices, means to impel said devices to weight registering position, a member of discontinuous opaqueness operative with said element, a light source and light sensitive electrical unit mounted for movement in unison relative to said member on respectively opposite sides thereof, and electrically operative apparatus having a circuit arranged to be affected by said unit in a manner to cause said apparatus to stop the device impelling movement of said means when the position of said light source and unit relative to said member permits light to pass from the said source to the said unit.

2,189,803
THICKENING OF SOLUTIONS
Morris B. Katzman and Frank J. Cahn, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill.
No Drawing. Application December 18, 1937, Serial No. 180,662
20 Claims. (Cl. 252—1)

1. A method of thickening a solution of an interface modifier having a lipophile group with at least eight carbon atoms and a hydrophile group, which comprises adding thereto a proportion of an inorganic acid salt of an organic nitrogenous base which is soluble in said solution sufficient to appreciably thicken the same.

5. A method of thickening an aqueous solution of an interface modifier having a lipophile group with at least eight carbon atoms and a hydrophile group, which comprises adding thereto a proportion of monoethanolamine sulphate sufficient to appreciably thicken the same.

2,189,804
SHEET PILING
Herbert M. Knight, Montclair, N. J.
Application May 14, 1938, Serial No. 208,052
9 Claims. (Cl. 61—60)

1. In a sheet pile, the combination of a body portion, said portion having oppositely positioned edges and oppositely positioned faces, a crimp on one of said faces, and lugs longitudinal of and in juxtaposed relationship with said crimp, said crimp and said lugs forming a groove, said groove opening transversely of said pile and



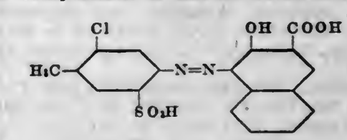
adapted to receive a key for holding adjacent over-lapping piles together.

2,189,805
ALKYL PHENOLS AND METHOD OF MANUFACTURING THE SAME
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 7, 1935, Serial No. 778
19 Claims. (Cl. 260—624)

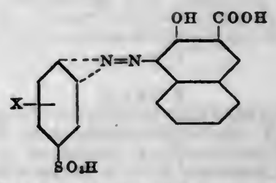
1. A method of alkylating phenols with tertiary olefines which comprises subjecting a mixture thereof to the action of a trace not exceeding 0.1% of a catalytic material selected from a class consisting of strong acids, and their salts with weak bases and separating the phenolic constituents of the reaction mixture by fractional distillation in the presence of the catalytic material.

2,189,806
AZO DYES
Joseph W. Lang, Woodstown, N. J., and Crayton K. Black, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 5, 1937, Serial No. 157,542
9 Claims. (Cl. 260—202)

7. A composition of matter containing members:



and



in which X is at least one of a group consisting of hydrogen, alkyl, alkoxy, halogen, nitro, amino, and carboxylic and sulfonic acids, in predetermined quantities and so related as to be incapable of mechanical separation.

2,189,807
WASHING OF DISCHARGE PRINTS
Samuel Lenher and Joseph E. Smith, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1937, Serial No. 133,266
14 Claims. (Cl. 8—69)

1. The process which comprises coloring a fabric with a water-soluble azo dye, discharging selected portions of the dye and washing the

fabric with an aqueous solution containing a water-soluble alkaline earth metal salt and a detergent compatible therewith which has strong scouring properties taken from the class consisting of long chain aliphatic hydrocarbon sulfates and higher hydrocarbon substituted betaine derivatives.

2,189,808

β-ALKYL CHOLINE SALTS AND INTERMEDIATES AND PROCESSES FOR THEIR PRODUCTION

Randolph T. Major, Plainfield, and Howard T. Bonnett, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application July 6, 1935, Serial No. 30,150. Divided and this application January 23, 1937, Serial No. 121,980

7 Claims. (Cl. 260—584)

1. A process for producing optically active isomers of β-methyl choline salts which comprises the steps of resolving dimethylaminoisopropanol into its dextro- and laevo-forms by treating the racemic form of the amine with an optically active acid of the group consisting of bromocamphor sulfonic acid and d-tartaric acid, subsequently treating the optical isomers with methyl iodide to form their methiodides, and thereafter converting the methiodides into the desired salts by reacting upon them with the silver salt of a corresponding inorganic acid whose silver salt is more soluble than silver iodide.

7. Optically active isomers of compounds of the group consisting of dimethylaminoisopropanol, beta-methylcholine iodide, and beta-methylcholine chloride.

2,189,809

ALKYL ESTERS OF HYDROHALIDES OF METHYL-HYDRASTEINE AND PROCESSES FOR PRODUCING THE SAME

Carl R. Addinall, Westfield, and Randolph T. Major, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application May 17, 1934, Serial No. 726,122. Divided and this application March 6, 1937, Serial No. 129,350

5 Claims. (Cl. 260—338)

3. Salts of alkyl esters of methyl-hydrasteine of the group consisting of hydrohalides and alkyl sulfates.

2,189,810

STABILIZED DIVINYL ETHER

Randolph T. Major, Plainfield, and William L. Ruigh, Princeton, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application May 11, 1937, Serial No. 141,928

8 Claims. (Cl. 23—250)

8. The method of stabilizing divinyl ether which comprises dissolving therein about one part of a polyphenol selected from the group consisting of resorcinol, pyrocatechol, and phloroglucinol in from about 100 to 1000 parts of ether.

2,189,811

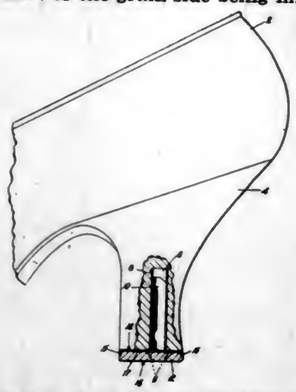
HEEL CONSTRUCTION

John H. McGill, Winchester, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts

Application August 9, 1937, Serial No. 158,016

1 Claim. (Cl. 36—42)

A shoe heel construction comprising a wood heel provided with a receiving socket, a post, a leather top lift secured to said post, said post being arranged to fit tightly into said receiving socket and to hold the lift with the flesh side thereof adjacent to the lower or top-lift-receiving surface of said heel, the upper or flesh side and the edges of said heel lift from the flesh side to a point short of the grain side being impregnated



with material from the group consisting of waxes and resins, and the lower or grain side of said heel lift being free from said waxes and resins, whereby the grain side of the lift is preserved in its original condition, and the associated lift and post readily may be removed by insertion of a tool between the lift and the contiguous lift-receiving surface of the heel.

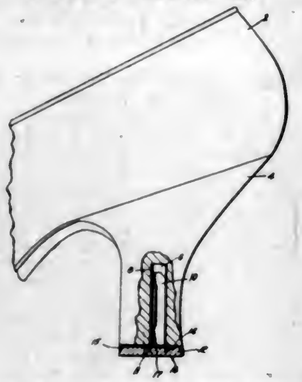
2,189,812

SHOE HEEL CONSTRUCTION

John H. McGill, Winchester, and Walter H. Wedger, Belmont, Mass., assignors to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts

Application August 9, 1937, Serial No. 158,018

2 Claims. (Cl. 36—42)



1. A shoe heel construction comprising a wood heel provided with a receiving socket, a post, a leather top lift secured to said post, said post being arranged to fit tightly into said receiving socket and to hold the lift with the flesh side thereof adjacent to the lower or top-lift-receiving surface of said heel, the upper or flesh side and the edges of said heel lift from the flesh side to a point short of the grain side being impregnated with sulphur to a substantial depth, and the lower or grain side of said heel lift being free from sulphur, whereby the grain side of the lift is preserved in its original condition, while the associated lift and post readily may be removed by insertion of a tool between the lift and the contiguous lift-receiving surface of the heel.

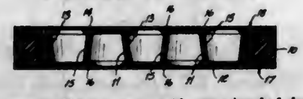
2,189,813

COMPOSITE PNEUMATIC MATERIAL

Clarence V. McGuire, Grosse Pointe, Mich., assignor to Airfilm Corporation, a corporation of Michigan

Application February 12, 1936, Serial No. 63,487

8 Claims. (Cl. 154—48)



1. A composite pneumatic material including a resilient elastic body element having air pockets extending from one surface thereinto, and a sheet of elastic material united to the surface of said body element sealing said pockets, said sheet being under tension relative to the body portion when in the united state.

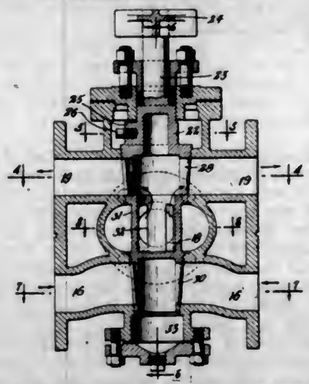
2,189,814

CIRCULATING SYSTEM AND VALVE FOR CONTROLLING THE SAME

Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 26, 1936, Serial No. 87,408

5 Claims. (Cl. 184—6)



1. A double circuit valve having a single inlet associated with a pair of outlets and a single outlet associated with a pair of inlets together with a common plug member rotatable to close simultaneously one of said pair of outlets and one of said pair of inlets or to proportionately divide the flow going to said pair of outlets and simultaneously to divide the flow coming in through said pair of inlets, whereby to maintain a constant normal flow from said single inlet to said single outlet.

2,189,815

TREATMENT OF HYDROCARBON GASES

Jacque C. Morrell and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 27, 1936, Serial No. 66,064

9 Claims. (Cl. 260—683)

1. A process for the treatment of paraffinic hydrocarbons to produce the corresponding olefinic hydrocarbons, which comprises subjecting paraffinic hydrocarbons to the action of a catalyst, comprising essentially a major proportion of magnesium oxide and a minor proportion of a compound of vanadium, at a temperature adequate to dehydrogenate and convert said paraffinic hydrocarbons into olefin hydrocarbons, and recovering the olefin hydrocarbons thus formed.

2,189,816

TREATMENT OF HYDROCARBONS

Jacque C. Morrell and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 29, 1936, Serial No. 66,450

9 Claims. (Cl. 260—683)

9. A process for treating paraffinic hydrocarbons which comprises subjecting the same under dehydrogenating conditions to the action of a mixture of a major proportion of aluminum oxide and a minor proportion of a vanadium oxide.

2,189,817

COLOR-FORMING PHOTOGRAPHIC COMPOSITION, ELEMENT, AND PROCESS

Lynn Barratt Morris, Washington, D. C., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 13, 1939, Serial No. 261,651

11 Claims. (Cl. 95—6)

1. A photographic emulsion comprising an ether of the general formula R—O—R' wherein R is an alicyclic hydrocarbon radical, and R' is an aromatic hydrocarbon radical containing at least one hydroxyl group.

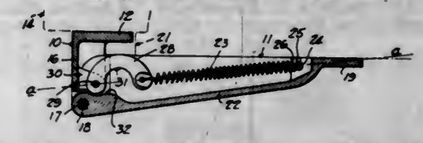
2,189,818

HINGE

Gahlbeth H. Murrin, Pasadena, Calif.

Application September 26, 1938, Serial No. 231,734

10 Claims. (Cl. 16—190)



1. A hinge comprising a jamb member; a door member mounted from the jamb member for hinging movement; a link pivotally mounted on the jamb member; a coil spring directly connected at one end to the link, and at its other end to the door member for co-action therewith in urging the door member to a closed position with reference to a door until a dead center position is reached at a predetermined open position of the door; and means co-acting with the link beyond said open position, to reverse the action of the spring so as to urge the door member to an open position with reference to the door.

2,189,819

MULTIPLE TRANSFORMER SWITCHING SYSTEM

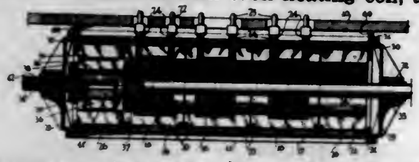
Howard E. Somes, Detroit, Mich.

Application February 25, 1937, Serial No. 127,668

10 Claims. (Cl. 219—13)

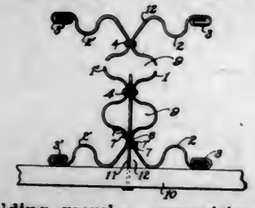
1. Apparatus for heat treating a plurality of different separate portions of a common work

piece by high frequency heavy current electromagnetic induction which comprises a plurality of inductive heating coils one for each portion to be treated, a secondary transformer element connected in circuit with each heating coil, and



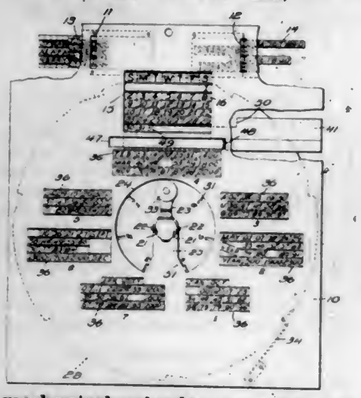
a common primary transformer element telescopically arranged to move telescopically into and out of inductive relation with any one of said secondary transformer elements one at a time to the substantial exclusion of the remainder to effect energization of said heating coils.

2,189,820
BUILDING MEMBER
George Edward Swenson, Hastings on Hudson, N. Y.
Application December 1, 1936, Serial No. 113,569
Renewed May 16, 1939
8 Claims. (Cl. 72—115)



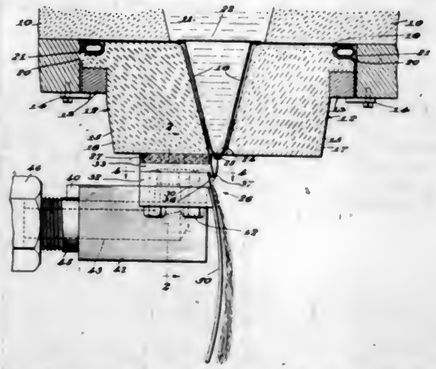
5. A building member comprising corrugated plates having apices of corrugations contacting and furring strips at one edge of said plates.

2,189,821
MECHANICAL CALENDAR
Carl E. Tally, Cleburne, Tex., assignor of one-half to John E. Rosenbaim, Cleburne, Tex.
Application February 2, 1939, Serial No. 254,277
2 Claims. (Cl. 40—113)



1. A mechanical calendar comprising, a face plate, a dial rotatably mounted on the face plate, there being seven monthly calendars displayed on the dial concentric with the axis of the dial, each calendar beginning with a different day of the week, there being a sight opening in the face plate through which the calendars are selectively exposed, there being tables displayed on the face plate containing even hundreds of years, intermediate years, and months arranged in their cyclical order, there being an arcuate opening formed in the face plate concentric with the axis of the dial and terminating in stop walls, there being slots formed in the dial opposite respective calendars, and an operating lever swivelled on the face plate at the axis of the dial having a projection adapted to be selectively engaged in the slots to turn the dial until the handle engages one of said stop walls for exposing a determinable calendar through said sight opening.

2,189,822
METHOD AND APPARATUS FOR MAKING GLASS WOOL
John H. Thomas, Ed Fletcher, and Flavius W. Atkinson, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application January 17, 1936, Serial No. 59,566
24 Claims. (Cl. 49—17)

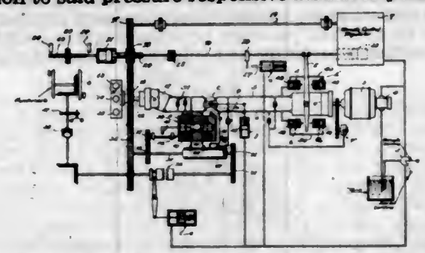


17. The combination of means for flowing a small stream of molten viscous material, a blower positioned and arranged to apply to said stream a blast of gas moving in the same general direction as the stream flow and causing the stream to be attenuated to the form of a filament by the force of the blast, and a shield extending from a point in close proximity to the blower and positioned to provide a guiding surface for the filament while the later is cooling and solidifying, said shield having its said guiding surface curved to direct the filament in a curved path during said solidification, whereby a permanent curl or waviness is imparted to the filament.

2,189,823
APPARATUS FOR CONTROLLING THE MOVEMENT OF HEAVY MASSES
Harry F. Vickers, Detroit, Mich., and Norman B. Frost, Washington, D. C.
Application August 1, 1935, Serial No. 34,240
Renewed May 8, 1939
27 Claims. (Cl. 89—41)

1. A hydraulic operating circuit for actuating a relatively large mass, local and remote control means for said circuit, said circuit comprising a variable stroke pump, an electric motor therefor, a hydraulic motor, connections between both sides of said pump and hydraulic motor, pressure responsive means operable when the circuit is either in local or remote control to reduce the stroke of said pump in proportion to the pressure developed in either of said connections, and

calibrated means rendered operative when the circuit is in local control and operating in opposition to said pressure responsive means to permit

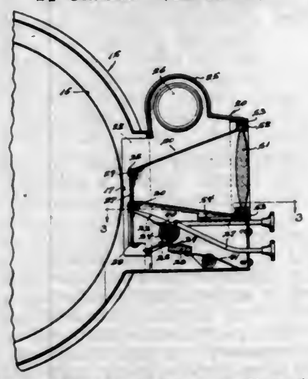


relatively rapid initial reduction of the stroke and then a slower rate of reduction of the stroke as it approaches neutral.

2,189,824
METHOD OF MANUFACTURING DRIED STARCH CONVERSION PRODUCTS
James F. Walsh, Chicago, Ill., assignor to American Maize-Products Company, a corporation of Maine
No Drawing. Application August 25, 1938, Serial No. 226,681
10 Claims. (Cl. 127—34).

1. A process of producing a substantially dry, solidified, starch conversion syrup product adapted to be packaged, shipped and stored for a reasonably long length of time wthout caking or lumping, comprising dehydrating a starch conversion liquor having a dextrose content of about 25% to 65% and a pH value of about 3.5 to 5.5, said dehydration being carried out in the presence of about 0.01% to 0.03% of sulphur dioxide to prevent caramelization of the dehydrated product and being continued until the moisture content of said product is between about 1% and 4%, quickly cooling the dehydrated product in the form of relatively thin sheets and in a humidity controlled atmosphere to effect solidification without caramelization, and comminuting the solidified product in a humidity controlled atmosphere.

2,189,825
READING DEVICE FOR COMPUTING SCALES
Robert I. Waugh, Seattle, Wash.
Application June 3, 1935, Serial No. 24,703
14 Claims. (Cl. 88—1)

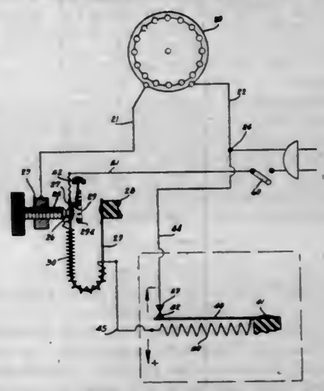


13. The combination, in a reading device for the purpose described, of a box-scope of major depth tapering lengthwise to provide a wide opening at the outer end and a narrow extended opening at the inner end, magnifying means supported in said wide opening of the box-scope, and an assembly of independently operated shutters supported at said inner end of the box-scope and operating collectively in the closed positions thereof to seal the narrow opening of the box-scope against passage of light, the shutter assembly providing means between adjacent side edges of adjoining shutters operating to interrupt direct rays of light for preventing filtration of said light rays past said side edges of the shutters.

2,189,826
AMMONIA SODA PROCESS
Clifton N. Windecker and Robert E. Windecker, Painesville, Ohio; Robert Erwin Windecker, Irene W. Alonso, and Charles Edward Windecker executors of said Clifton N. Windecker, deceased
Application February 21, 1938, Serial No. 191,732
5 Claims. (Cl. 23—65)

1. An ammonia-soda process comprising the steps of first, bringing together ammonia and carbon dioxide gases and water vapor in the proportion two mols of ammonia, approximately one mol of carbon dioxide and less than one mol of water, second, cooling the mixture until substantially all the ammonia has combined with carbon dioxide to form ammonium carbonate or ammonium carbamate, third, dissolving the resulting solid in a substantially saturated sodium chloride solution, fourth, contacting the resulting solution with carbon dioxide whereby to produce sodium bicarbonate and ammonium chloride, fifth, separating the solid sodium bicarbonate thus produced from the ammonium chloride liquor, sixth, converting said solid sodium bicarbonate to sodium carbonate and carbon dioxide and returning the carbon dioxide thus produced to the fourth step, and seventh, recovering ammonia and returning the same to the first step.

2,189,827
CONTROL FOR ELECTRIC MOTORS
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1939, Serial No. 295,241
4 Claims. (Cl. 172—288)



4. A control device for an electric motor comprising a thermal switch in the motor circuit, having a heater coil primarily effecting operation of the switch to open the motor circuit, and a temperature controlled regulator affected by tem-

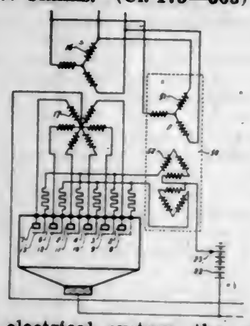
perature varying from a predetermined reference temperature and remote from the motor and switch and adapted repeatedly to open and close the circuit including the heater coil whereby, when sufficiently energized, said coil will cause said thermal switch to open the motor circuit, and a second heater coil in circuit with the regulator and first mentioned heater coil adapted to affect the regulator to modulate the current flow therethrough as a function of the differenece between the reference temperature of the regulator and the temperature ambient thereto.

2,189,828

VOLTAGE REGULATING MEANS FOR RECTIFIERS

Harold Winograd, Collingswood, N. J., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application November 23, 1929, Serial No. 409,298
27 Claims. (Cl. 175—363)



1. In an electrical system, the combination with an electric current rectifier of the metallic vapor arcing type having an anode, and a control electrode, and means for impressing A.-C. potentials on said anode, of means for impressing on said control electrode voltage waves corresponding in frequency to harmonics of the potentials impressed on said anode, and means for impressing D-C potentials on said control electrode.

21. In a regulating system, an electric circuit, an electric valve provided with an anode, a cathode and a control electrode for controlling an electrical condition of said circuit, a source of alternating potential connected to energize the anode of said valve, means for impressing on said control electrode an alternating potential of substantially constant value and fixed phase relation with respect to said anode potential, and means for superimposing a unidirectional potential varying in accordance with the electrical condition to be regulated on the alternating potential of said control electrode in a manner to vary the conductivity of said valve in proportion to the deviation from a predetermined value of the electrical condition to be regulated.

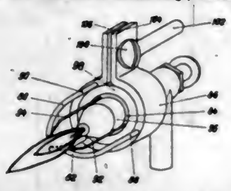
2,189,829

SAFETY DEVICE FOR HEATING AND OTHER APPARATUS

Guido Wünsch, Berlin-Steglitz, and Josef Schuppert, Dessau, Germany, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau, a German company

Application August 3, 1934, Serial No. 738,370
In Germany September 28, 1933
10 Claims. (Cl. 158—117.1)

1. In combination, a burner for maintaining a flame, an electromagnet having a magnet frame and a winding, a thermocouple comprising dissimilar thermocouple members connected to the winding of said electromagnet and joined to form a hot junction positioned at the edge of the flame to be heated thereby, and an annulus



conductively connected to said thermocouple members at the hot junction thereof and encircling the flame maintained by said burner to assure adequate heating of the hot junction of the thermocouple when the flame is diverted by drafts.

2,189,830

PROCESS FOR PRODUCTION OF ASCORBIC ACID

Otto Zima, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application November 19, 1936, Serial No. 111,711. In Germany November 25, 1935
7 Claims. (Cl. 260—344)

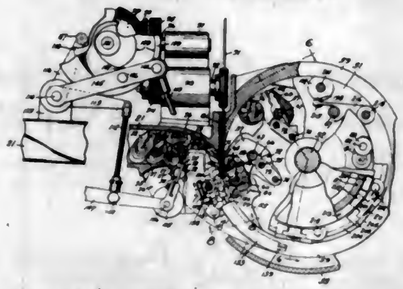
1. A process for the production of l-ascorbic acid which comprises treating diacetone-keto-gulonic acid with strongly concentrated hydrochloric acid.

2,189,831

FISH CANNING MACHINE

Horace J. Paynter, Union, N. J., and Walter E. Rooney, Bellingham, Wash., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 26, 1938, Serial No. 221,420
8 Claims. (Cl. 226—101)



1. In a fish canning machine, the combination of a supply tunnel having a discharge opening at one end, a plurality of measuring chambers movable successively past said opening, instrumentalities for compressing the fish while pushing it out of said opening and into a passing measuring chamber, a cutter located adjacent said opening and operating between said tunnel and said moving chamber for cutting the compressed charge of fish within said measuring chamber to separate it from the fish in said tunnel, and a trim knife movable transversely across said discharge opening and also movable toward said cutter for fully severing the measured fish charge from the fish remaining in said tunnel.

2,189,832

PAPER MANUFACTURE

Harold R. Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application October 15, 1936, Serial No. 105,797
5 Claims. (Cl. 92—21)

1. A paper which comprises essentially fibrous material and a calcium carbonate pigment and which is of relatively increased opacity, as compared with a similar paper in which the pigment comprises conventional calcium carbonate produced by reacting slaked lime with carbon dioxide under substantially the same conditions except in the absence of alkali metal compound, said calcium carbonate pigment having been produced by mixing in the presence of water materials which comprise slaked lime; an alkaline alkali metal compound in an amount approximately 1 to 25% calculated as percent by weight of alkali metal carbonate—equivalent to the alkali metal oxide (R_2O, where R is an alkali metal) content of the alkali metal compound selected—on the weight of the calcium oxide content of said lime; and carbon dioxide in an amount sufficient so that substantially all the calcium oxide content of said lime is converted into calcium carbonate.

2,189,833

RESINOUS CONDENSATION PRODUCTS AND METHOD OF PRODUCING SAME

Israel Rosenblum, Jackson Heights, N. Y.

No Drawing. Original application March 25, 1930, Serial No. 438,901. Divided and this application July 12, 1930, Serial No. 467,624. Renewed March 2, 1933
1 Claim. (Cl. 260—20)

The method of producing a resinous condensation product suitable for the manufacture of water-resisting coating compositions which comprises reacting a polyhydric alcohol with a fatty oil acid, boric acid and maleic acid, and simultaneously or subsequently heating the mass with a rosin-containing condensate of a phenol and formaldehyde.

2,189,834

ALUMINUM ALLOY

Edward A. Schmeller, Lakewood, Ohio, assignor, by direct and mesne assignments, of one-fourth to Frank I. Schmeller, Rocky River, Ohio, one-fourth to John L. Schmeller, and one-fourth to John Schmeller, Sr., both of Lakewood, Ohio

No Drawing. Application May 8, 1939, Serial No. 272,519
2 Claims. (Cl. 75—140)

2. An alloy of aluminum consisting of about .15 per cent to .25 per cent of titanium, 1.50 per cent to 2.00 per cent of copper, 1.25 per cent to 1.75 per cent of tin, .75 to 1.75 per cent of zinc, .40 to .90 per cent of magnesium, the balance being aluminum.

2,189,835

ALUMINUM ALLOY

Edward A. Schmeller, Lakewood, Ohio, assignor, by direct and mesne assignments, of one-fourth to Frank I. Schmeller, Rocky River, Ohio, one-fourth to John L. Schmeller and one-fourth to John Schmeller, Sr., both of Lakewood, Ohio

No Drawing. Application May 8, 1939, Serial No. 272,520
3 Claims. (Cl. 75—140)

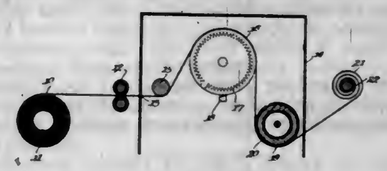
3. An alloy of aluminum for use without heat treatment consisting of ferro-titanium having approximately equal parts of iron and titanium of an amount ranging from .30 to .70 per cent, 1.50 to 2.00 per cent of copper, 1.50 to 1.75 per cent of tin, .75 to 1.00 per cent of zinc, .90 to 1.00 per cent of magnesium, .20 to .25 per cent of chromium, the balance being aluminum.

2,189,836

METHOD OF STRIP ANNEALING ALUMINUM FOIL

Matthew Schon, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 12, 1936, Serial No. 95,647
1 Claim. (Cl. 148—13.1)



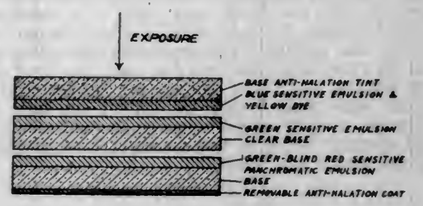
The method of continuously annealing a continuous band of aluminum foil comprising feeding the same under constant tension and at a constant speed first with one side of the band in direct contact with a heated rotating surface for a predetermined time period and then substantially immediately subjecting the other side of the band to direct contact with a rotating cooler surface for a substantially lesser time period and thereby appreciably reducing the foil temperature, conducting the heating in a non-oxidizing atmosphere, and rewinding the foil from said cooling surface while continuing the cooling at normal atmospheric temperature.

2,189,837

TRIPACK

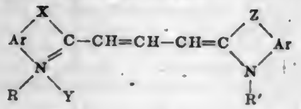
Virgil Bernard Sease, Hillcrest, Highland Park, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application January 15, 1937, Serial No. 120,807
5 Claims. (Cl. 95—2)

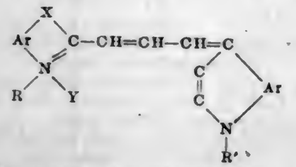


5. In combination in a tripack, a front element comprising a film base containing a non-halation tint and bearing on its rear side a blue-sensitive emulsion layer containing a removable yellow filter dye, said emulsion having a sensitivity range of 390 to 520 mu; an intermediate element comprising a clear film base bearing on its front side a green sensitive emulsion having a sensitivity range of 390 to 580 mu; and a rear element comprising a film base containing a non-halation tint and bearing on its front side a red-sensitive emulsion containing a green-blind unsymmetrical

dye taken from the class of compounds having one of the following two formulae:

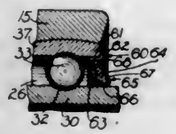


and



wherein X represents a radical taken from the group consisting of —O—, —S—, and dialkylmethylene, Z represents a bivalent radical different from X taken from the class consisting of —O—, —S—, dialkylmethylene and vinylene, R and R' represent alkyl radicals, Y represents the negative radical of an acid and Ar represents an arylene radical of the benzene series.

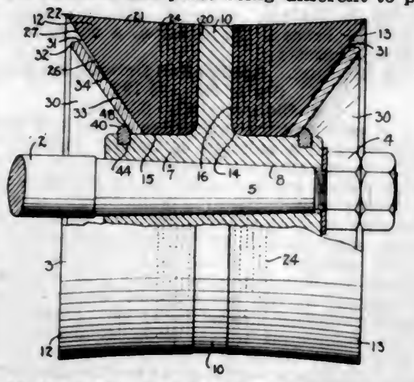
2,189,838
BEARING
Julius E. Shafer, Chicago, Ill., assignor to Monad Corporation, Chicago, Ill., a corporation of Illinois
Application August 11, 1937, Serial No. 158,449
6 Claims. (Cl. 308—187.2)



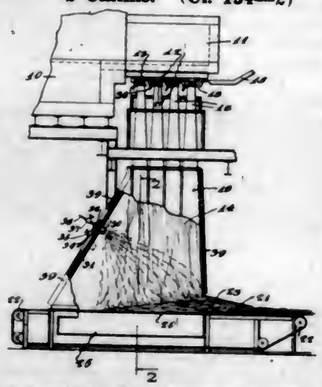
1. A seal for bearings having inner and outer race rings and which comprises an annular retainer member having an outer annular face adapted to be pressed into the outer race ring of a bearing, said retainer having an inner side wall extending inwardly from the inner end of said face and sloping toward the other end thereof, a flinger having an inner annular face adapted to be pressed onto the inner race ring of a bearing to extend under the side wall of the retainer, said flinger also having an outer flange extending outwardly from the outer edge of said face and sloping toward the other edge, said flinger and retainer side walls being in spaced relation, and yieldable means seated between the annular faces and sloping walls of the retainer and flinger to fill the space therebetween.

2,189,839
SLUSH PUMP PISTON
Dudley C. Sharp and Ranald M. Garrison, Houston, Tex., assignors to Mission Manufacturing Company, Houston, Tex., a corporation of Texas
Application November 29, 1935, Serial No. 52,086
10 Claims. (Cl. 309—23)

2. A piston including a metal body, an outwardly extending rib on said body, a packing member to seat on said body and against said rib, a concave outer end on said member, a dished retainer plate to pass over the end of said body, and means to hold said plate in position, the taper of said member and plate being different to provide an expansion area for said member adjacent the periphery of said plate.



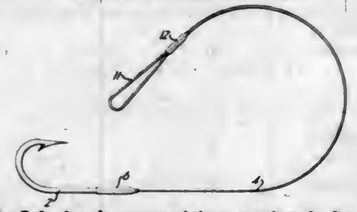
2,189,840
METHOD FOR APPLYING COATINGS TO FIBERS IN MAT FORM
Allen L. Simison and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application June 22, 1936, Serial No. 86,564
2 Claims. (Cl. 154—2)



1. The method of producing a mat of fibrous material, comprising attenuating a plurality of long, fine, glass fibers by means of a high pressure gaseous blast, conveying said fibers by said blast to a predetermined exposed area of a traveling foraminous conveyor moving in a transverse direction across the path of said blast, and thereby permitting the fibers to deposit and accumulate and form a mat upon said area in such manner as to continually present a momentary cross-sectional surface of said mat across the entire thickness of said mat, said blast passing through said area and through said conveyor, and simultaneously directing under positive pressure a coating susbtance to said mat from a region spaced above and in proximity to said mat, said coating substance being aimed and directed substantially uniformly over said area and the spray pattern of said coating susbtance being substantially coextensive with said exposed deposited area, whereby the binding material is incorporated uniformly throughout the thickness of said mat, and said coating substance is applied under

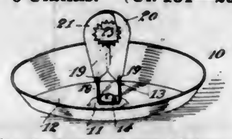
sufficient pressure so that its deposition is not interfered with by the movement or turbulence of said vehicular gaseous blast.

2,189,841
JOINT FOR FISHING TACKLE
John R. Skoverski, Oakland, Calif., assignor to Joseph Schor, San Francisco, Calif.
Application May 12, 1937, Serial No. 142,153
2 Claims. (Cl. 43—28)



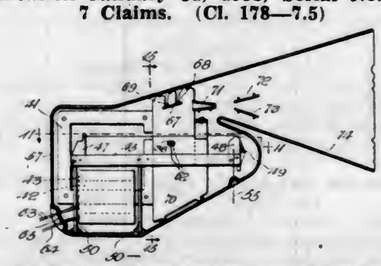
1. A fish hook comprising a shank having a flattened area at the end thereof, a leader having an end overlapping the flattened area of the shank, and a sleeve encircling the overlapped parts to press the leader against said flattened surface, whereby the thickness of said overlapping parts is not substantially greater than the diameter of the shank.

2,189,842
SMOKER'S DEVICE
Adolph H. Smeby, Los Angeles, Calif., assignor to Hoepli & Co., New York, N. Y., a copartnership
Application October 15, 1936, Serial No. 105,770
6 Claims. (Cl. 131—232)



1. A smoker's device formed from a single sheet of metal turned up to form flat portions having facing cutting edges and adjacent guide faces lying against each other, and outside edges shaped to fit the interior of the bowl of a smoker's pipe to remove waste by turning the pipe.

2,189,843
TELEVISION SYSTEM
Walter Soller, Tucson, Ariz., assignor of one-half to William H. Woodin, Jr., Tucson, Ariz.
Application January 31, 1935, Serial No. 4,393
7 Claims. (Cl. 178—7.5)



5. A television receiving system of the class described, comprising in combination vibrating wire frequency separator apparatus and multiple cathode ray picture producing means, an evacuated glass envelope enclosing said frequency separator apparatus and said picture producing means, said vibrating wire frequency separator apparatus being mechanically operative to effect electrical modification of the action of said cathode ray picture producing means.

2,189,844
TREATING MINERAL OIL
John V. Starr and Gustav A. Beiswenger, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 18, 1933, Serial No. 694,034
9 Claims. (Cl. 196—13)

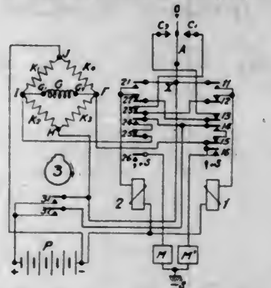
2. The process of treating mineral oil containing asphalt, which comprises extracting same with a mixture comprising a selective solvent of the phenol type and a halogenated hydrocarbon having a specific gravity higher than 1.

2,189,845
KNOB
Clair J. Terrill, Evanston, Ill., assignor to Harry Davies Molding Co., Chicago, Ill., a corporation of Illinois
Application August 19, 1938, Serial No. 225,677
8 Claims. (Cl. 287—53)



1. In a frictionally retained knob for a shank, an integral molded base of "Bakelite" or the like having a recess therein to receive a shank, and resilient partitions extending transversely from opposite walls of said recess and adapted to receive a shank in resilient frictional engagement therebetween.

2,189,846
AUTOMATIC RELAY CONTROL SYSTEM
Raymond Louis André Valtat, Saint-Mande, France, assignor to Jean Francois Augier-Queyras, Paris, France
Application July 31, 1937, Serial No. 156,733
In France August 5, 1936
2 Claims. (Cl. 175—320)



1. An automatic relay control system which comprises, in combination, a relay including a winding and an armature, a measurement instrument, a movable control member operative by said instrument, a fixed electric contact adapted to cooperate with said member for a predetermined position thereof, an electric circuit including a source of current, said movable control member, said contact, and said winding, whereby the cooperation of said member with said contact closes said circuit the source of cur-

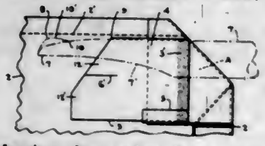
rent of which energizes said winding, shunt means operative by said armature for directly connecting said winding with said source of current as soon as said armature has started moving and then breaking said first mentioned circuit, a contact in said shunt means, means for intermittently opening said last mentioned contact so as to de-energize said relay periodically, and means operative by said measurement instrument for varying the sensitiveness thereof for each operation in response to the measurement made during the preceding operation.

2,189,847

ADAPTER FOR VALVE BAGS

Andrew J. Verwys, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application October 14, 1936, Serial No. 105,548
Renewed June 22, 1939
4 Claims. (Cl. 229—62.5)



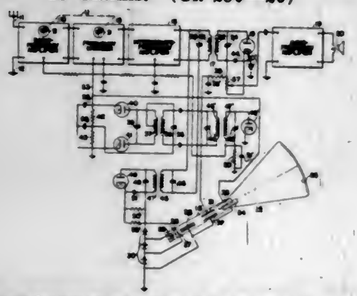
1. An adapter for valve bags composed of a tubular member for securement at its outer portion to the mouth of the valve, said member having sides provided with slits that extend longitudinally thereof and through the front ends of the sides of the member, and having portions of its sides extending downwardly and outwardly at an angle and terminating at points below the slits, whereby upon outward movement of the front of the member and of the valve by engagement with a projection on a filling pipe, the sides of the member above the slits will be puckered and the sides below the slits will be moved toward each other into overlapped relation.

2,189,848

FREQUENCY INDICATOR

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application July 15, 1937, Serial No. 153,718
18 Claims. (Cl. 250—20)



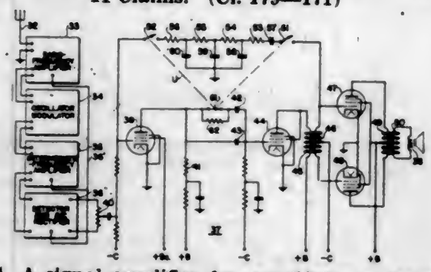
5. A modulated-carrier signal-selecting system comprising a carrier-frequency signal-selector network, tuning means for adjusting the relation between the frequency of a desired signal and the mean resonant frequency of said selector network, a first frequency-discriminating means for producing a first control variable in magnitude in accordance with the difference of said frequencies and having a polarity depending on the direction of said frequency difference, a second frequency-discriminating means for producing a second control variable in magnitude in accordance with said frequency difference, and means responsive jointly to both of said controls for producing an indication of the relation between said frequencies.

2,189,849

AMPLIFIER SYSTEM

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application July 29, 1937, Serial No. 156,296
11 Claims. (Cl. 179—171)



1. A signal amplifier for amplifying a desired range of signal frequencies including low-frequency signals and comprising input and output circuits, a degenerative very low-frequency feedback circuit between said output and said input circuits, said feed-back circuit including a plurality of series resistors and shunt condensers and having a time constant proportioned to filter out desired signal components of said frequency range, whereby the desired range of frequencies is amplified without substantial interference from undesired very low-frequency fluctuations in the system.

2,189,850

PROCESS FOR REFINING PETROLEUM DISTILLATES

Thomas C. Whitner, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 6, 1937, Serial No. 129,353
11 Claims. (Cl. 196—30)

1. A process of removing mercaptans from a sour petroleum distillate which comprises converting the mercaptans to copper mercaptides which remain dissolved in the distillate, and extracting the copper mercaptides from said distillate with an alkyl amine.

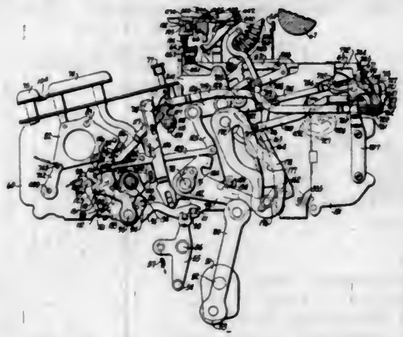
2,189,851

ACCOUNTING MACHINE

Paul H. Williams, Jesse R. Ganger, William H. Petit, and John T. Davidson, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application October 8, 1936, Serial No. 104,650
20 Claims. (Cl. 235—60)

1. In a machine of the class described, having printing means to print on record material, a balance totalizer, a two-color inking ribbon, and means to shift the ribbon to control the color in which printing will be done, and adapted to perform overdraft operations in which the complementary amount of an overdraft is transposed to a true negative balance and said true negative balance recorded, the combination of means effective in overdraft operations to control operation of the shifting means for the inking ribbon to cause the true negative balance to be recorded in a distinctive color; and means rendered effective in overdraft operations and operative in the next subsequent operation of the balance totalizer, to control the operation of the ribbon shifting means to cause a repeat print of the true negative balance to be in said distinctive color.

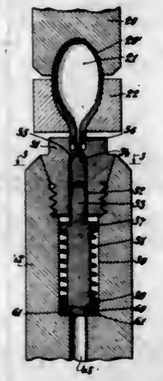


2,189,852

APPARATUS FOR MANUFACTURING COMPRESSED FLUID CONTAINERS

Lech Yejeski, New York, N. Y.

Application September 16, 1937, Serial No. 164,131
8 Claims. (Cl. 226—73)



1. An apparatus for manufacturing containers for high pressure fluids, said containers having a narrow neck and an opening therein whereby they may be filled, comprising means to position the container, means to charge the container with a fluid under pressure, and means for working the material adjacent the opening in the neck of the container into the filling opening forming a closure.

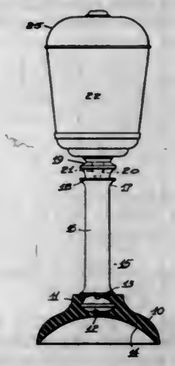
2,189,853

FLEXIBLE SUPPORT FOR RATTLES

Arthur Zadek, New York, N. Y.

Application August 7, 1939, Serial No. 288,755
1 Claim. (Cl. 46—32)

In a toy of the character described, the combination of a suction cup having an upright neck portion provided with a cavity and restricted opening for said cavity, an upright post of flexible rubber provided with a flanged knob at its end to be inserted in said cavity, the flange of the knob seating against the material about the restricted opening.



2,189,854

EMULSION PRODUCT

Delbert F. Brown, Westfield, and Hugh C. De Hoff, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 14, 1937, Serial No. 179,666
3 Claims. (Cl. 260—32)

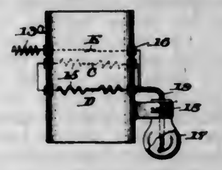
1. A stable emulsion comprising at least 30% alcohol, a mineral oil, a gum emulsifier, a polyisobutylene, water and a substance giving the composition a pH between 5 and 9.

2,189,855

APPARATUS FOR MEASURING HUMIDITY

Ralph M. Buffington and Gerald K. Ashby, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 26, 1937, Serial No. 139,076
5 Claims. (Cl. 73—338)



1. In a thermoelectric hygrometer, a casing of thermal insulation open for passage of air therethrough, a thermocouple formed by two thin wires extending into and joined together within said casing, wick material around said joint to keep the joint wet, said wires within the casing extending substantially perpendicular to the direction of air flow through the casing, all parts of said wires within said casing being in the path of air flow therethrough.

2,189,856

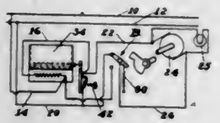
ELECTRIC CIRCUIT

George H. Bushway, Amesbury, Mass., assignor to Electricooker, Inc., Newburyport, Mass., a corporation of Massachusetts

Application October 11, 1937, Serial No. 168,315
5 Claims. (Cl. 219—20)

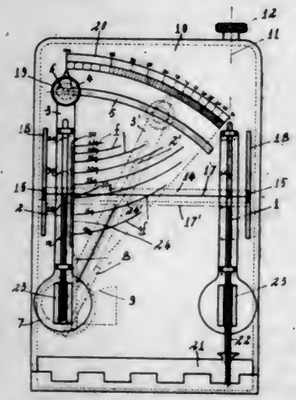
1. A two-part circuit including a heating coil

in one part thereof and a motor and an auxiliary switch in the second part, a main switch in the circuit adapted in closed position to short-circuit said second part, means operated thermo-



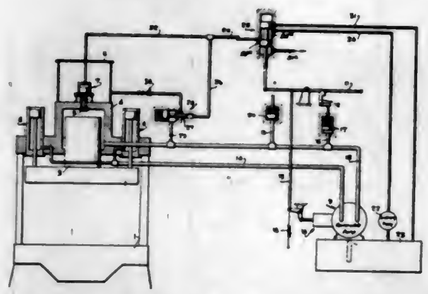
statically from heat of the coil for opening the main switch, and means for opening the auxiliary switch after a predetermined operation of the motor.

2,189,857
PSYCHROMETRIC APPARATUS FOR DIRECT READING OF HUMIDITY
Jules Crapez, Mons-en-Baroeul, France
Application July 8, 1937, Serial No. 152,570
In France November 5, 1936
3 Claims. (Cl. 73—338)



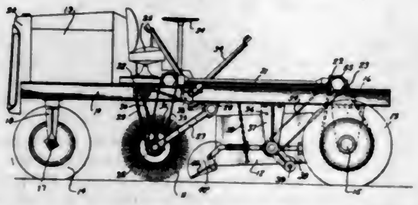
2. A psychrometric apparatus for the direct reading of hygrometric conditions, said apparatus comprising a frame having a guide slot formed therein, an immovable wet bulb thermometer carried by said frame, a pointer, a slide block connected with one end of said pointer and movable in said guide slot, a dry bulb thermometer carried by said pointer, a member connected with the opposite end of said pointer, a cam connected with said frame and having a surface over which said member slides, the shape of said surface of the cam being such that the point of intersection of the axis of the dry bulb thermometer in its displaced position with the axis of the dry bulb thermometer in its initial position is equidistant from a zero curve and that the angle between the original direction and the final direction of the longitudinal axis of the dry bulb thermometer resulting from bringing the level of mercury of the dry bulb thermometer to the level of mercury of the wet bulb thermometer is representative of the hygrometric state as given by tables correlating the temperatures indicated by the two thermometers, means movably mounted upon said frame and extending across the dry bulb thermometer for indicating the level of mercury within said wet bulb thermometer, and a scale carried by said frame above said guide slot and having graduations corresponding to values given by tables usually employed in connection with psychrometers.

2,189,858
HYDRAULIC PRESS
Richard W. Dinzl, Narberth, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application November 9, 1935, Serial No. 49,049
10 Claims. (Cl. 60—52)



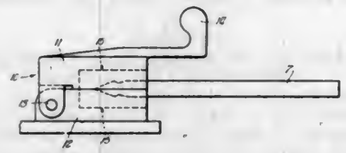
1. In combination, a hydraulic press having a main ram and cylinder and a pull-back ram and cylinder, reversible pumping means for alternatively supplying fluid pressure to said cylinders to effect pressing and pull-back strokes of said ram, means for initiating reversal of said pumping means to effect a pull-back stroke automatically upon occurrence of a predetermined condition of operation of said main ram during a pressing stroke, means whereby pressure in said main cylinder can be reduced prior to reversal of said pumping means, and means operable independently of said initiating means for controlling the same so as to inhibit reversal of said pumping means automatically until the pressure in the main cylinder is reduced to a predetermined value whereupon said initiating means effects reversal of said pumping means.

2,189,859
SWEEPER
Ronald Clement Evans, Elgin, Ill., assignor to Elgin Sweeper Company, Elgin, Ill., a corporation of Illinois
Application March 18, 1938, Serial No. 196,635
6 Claims. (Cl. 15—85)



1. In a power driven street sweeping apparatus including a brush for sweeping up dirt, debris, and the like, close to a surface being swept and a prime mover for actuating said brush, a dirt storage box with an open end arranged in the rear of, adjacent, and facing directly the discharge side of the brush and into which dirt is swept directly from and by said brush, said box being tiltable and having scoop means at said open end in which particles of said dirt and debris may accumulate, and means intermittently operable by said prime mover to tilt said scoop means rearwardly to flip any accumulated dirt thereon directly into and toward the back of the box.

2,189,860
METHOD OF FORMING A LIGHT DIFFUSING ELEMENT
John Frei, Jr., Chicago, Ill., assignor to The Glolite Corporation, Chicago, Ill., a corporation of Illinois
Application April 8, 1936, Serial No. 73,208
Renewed July 24, 1939
1 Claim. (Cl. 49—85)



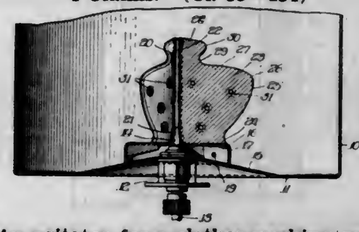
The method of forming a light diffusing object on one end of a solid glass rod whereby rays of light transmitted axially through said rod will be diffused by said object which comprises the following steps: forming a coherent solid plastic mass of glass on one end of the rod by the application of heat only, inserting said glass mass into a mold, pressing the object in its desired form from said mass, cooling the object so formed, and providing said cooled object with a light diffusing surface.

2,189,861
EXPANSION JOINT FOR CONCRETE PAVEMENTS
James T. Hallett, Indianapolis, Ind.
Application February 13, 1937, Serial No. 125,529
11 Claims. (Cl. 94—18)



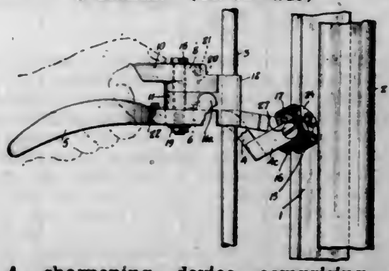
1. An expansion joint element for use between adjacent poured blocks of concrete pavements, and the like, comprising a relatively rigid metal plate capable of taking vertical compression and adapted to be positioned on edge between such adjacent blocks, said plate being formed, adjacent its upper edge, with a plurality of tongues, punched out of the body of the plate and projecting downwardly and outwardly from one face of the plate and adapted to be embedded in one of said blocks, and, adjacent its lower edge, with a plurality of tongues, punched out of the body of the plate and projecting upwardly and outwardly from the other face of said plate and adapted to be embedded in the other of said blocks, a layer of compressible material associated with the first-mentioned face of said plate and extending from the lower edge thereof toward the upper edge, and a layer of compressible material associated with the second-mentioned face of said plate and extending from the upper edge thereof toward the lower edge, said layers overlapping to close the openings formed by punching out said tongues.

2,189,862
AGITATOR FOR WASHING MACHINES
Leland G. Knapp, Chicago, and Thomas V. Parke, Glen Ellyn, Ill., assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application October 11, 1935, Serial No. 44,482
4 Claims. (Cl. 68—134)



1. An agitator for a clothes washing machine, comprising a base, a supporting standard carried thereby and vertically-disposed thereon, a plurality of vanes arranged in radial relation to said standard, the greatest radial dimension of said vanes being greater than the greatest radial dimension of the base and located at a point above the medial point between the upper and lower extremities of said supporting standard, and a plurality of supplemental vanes also arranged in radial relation to said standard and located in superimposed relation with and merging into the first mentioned vanes.

2,189,863
SHARPENING ATTACHMENT FOR CLOTH-CUTTING MACHINES
Albert P. Komow, New York, N. Y.
Application February 1, 1939, Serial No. 253,989
3 Claims. (Cl. 51—249)

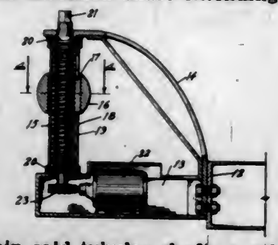


1. A sharpening device comprising arms mounted for movement relative to each other, sharpening members connected to said arms, jaw members mounted on said arms, said jaw members being shaped to contact slidably with an intermediate guide member, one of said jaw members being movable relative to the respective arm, said device having resilient means adapted to move said movable jaw member relative to the respective arm and towards the other jaw member through a predetermined distance, whereby said sharpening members can be moved away from each other before said jaw members are moved out of operative position.

2,189,864
TRAILER HITCH
Ernest C. McDaniel, Denver, Colo., assignor, by mesne assignments, to Trailwagons Incorporated, Denver, Colo., a corporation of Colorado
Application January 31, 1938, Serial No. 187,856
4 Claims. (Cl. 280—33.44)

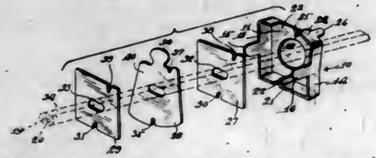
1. A hitch for securing a trailer chassis to an

automobile including: a bracket member projecting forward from said chassis; a brace arm projecting forwardly from said chassis above said bracket member; a stationary tubular shaft extending between said bracket member and said brace arm and supported rigidly vertical thereby; a rotatable threaded shaft extending longitudi-



nally within said tubular shaft; a spherical ball through which said tubular shaft slidably passes; a threaded key on said ball extending inwardly to said threaded shaft through a longitudinal slot in said tubular shaft; a ball socket surrounding said ball; means for securing said ball socket to an automobile; and means for rotating said threaded shaft.

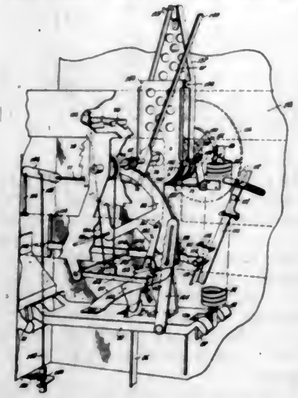
2,189,865
STRAIN RELIEVING DEVICE
Frank C. Petersen, Glen Ellyn, Ill., assignor to George D. Ladd, Lockport, Ill.
Application April 28, 1938, Serial No. 204,713
6 Claims. (Cl. 173—322)



1. A strain relieving device for electric conductors adapted to be connected to suitable terminals, said device comprising a pair of disc-like members disposed in spaced face-to-face relation and supported against transverse movement, each of said members having a conductor-receiving aperture therein, a third disc-like member, means mounting said third member between said spaced members for pivotal transverse movement from a first position to a second position, said third member being shaped to leave unobstructed the said apertures in said spaced members when said third member occupies said first position whereby electric conductors may readily be passed therethrough, means for operating said third member to said second position to move a portion of said third member across said apertures and clamp said conductors between an edge of said portion and the edges of said apertures, and resilient detent means movable in cooperating openings in said members for automatically locking said third member in said second position upon operation thereto, said detent means including an extending portion providing for manual operation of said detent means to release said third member for movement from said second position to said first position.

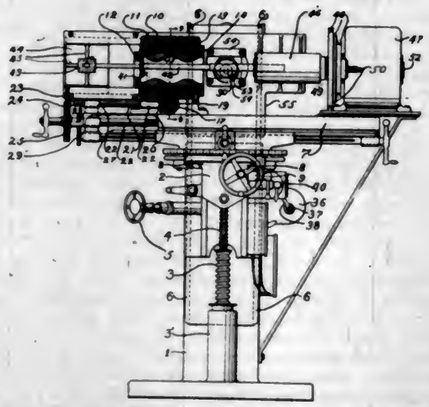
2,189,866
SCALE
William G. Simmons, Chicago, Ill.
Application October 26, 1938, Serial No. 237,083
3 Claims. (Cl. 194—1)

1. In a coin controlled weight indicating scale including weighing mechanism, means operable to preselectively designate a particular weight which the scale is expected to indicate when a coin is deposited to actuate the same, coin guiding means movable from a normal position to direct a coin into a collection receptacle and arranged to direct a coin into a coin return receptacle when in said normal position, means arranged to move said guiding means out of normal position once during each operation of the scale as aforesaid, and coacting stop means oper-



atively positioned respectively by said preselective designating means and said weighing mechanism of said scale for stopping engagement to prevent movement of said guiding means from normal position as aforesaid provided the weight preselectively designated coincides substantially with that actually indicated by said scale, and means for preventing adjusting movement of said stop means by said preselectively operable means while said scale is partly or wholly in weight indicating operation.

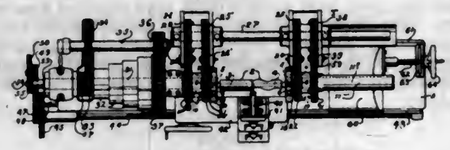
2,189,867
METHOD OF AND APPARATUS FOR FORMING INTERNAL THREADS IN A WORKPIECE
Gilbert H. Hagerman, Dayton, Ohio, assignor, by mesne assignments, to Societe d'Exploitation des Brevets Moineau, Luxembourg, Luxembourg
Application July 18, 1938, Serial No. 219,712
6 Claims. (Cl. 10—154)



3. In a machine for forming spiral threads in

a bore of a workpiece, a member to hold the workpiece, means for slowly rotating said member, means for slowly feeding said member the length of one pitch distance of a thread during one revolution thereof, a cutter in the bore of the workpiece, means to rotate said cutter, and means to rapidly reciprocate said cutter to bring said cutter alternately in operative relation with the bore of said workpiece at diametrically opposite points thereof during the rotation of said workpiece.

2,189,868
APPARATUS FOR FORMING EXTERNAL THREADS IN A WORKPIECE
Gilbert H. Hagerman, Dayton, Ohio, assignor, by mesne assignments, to Societe d'Exploitation des Brevets Moineau, Luxembourg, Luxembourg
Application October 8, 1938, Serial No. 233,994
2 Claims. (Cl. 82—18)



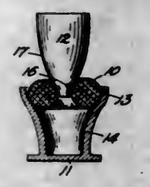
1. In a machine for forming a workpiece with spiral threads, said machine having a head stock and a tail stock, a mandrel for each stock to support the workpiece to rotate therewith, a disk associated with each stock having an eccentric centering pin to receive the corresponding mandrel, means for rotating said disk, a universal device for each stock consisting of a rotatable member and a block slidably mounted in said rotatable member, means for rotating said rotatable member comprising a slidable connection between said means and said rotatable member, eccentric means on said centering pin carrying disk to impart movement to said block in said disk, means for connecting the corresponding mandrel with said block, and a cutter having a uniform feeding movement parallel with the axis of rotation of said workpiece.

2,189,869
LOADING MACHINE
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 26, 1938, Serial No. 210,228
21 Claims. (Cl. 198—7)



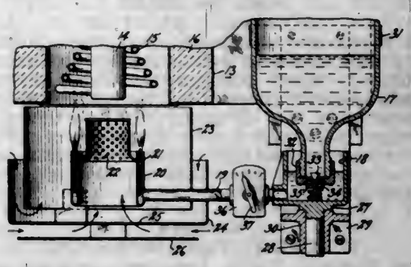
1. In an articulated train of conveyers, a chain flight conveyer, another chain flight conveyer having a receiving end in alignment with the discharge end of said first mentioned conveyer, and having a receiving end disposed above the center about which the flights of said first mentioned conveyer turn at the discharge end thereof, a transfer plate disposed between said conveyers, and a direction changing device at the discharge end of said first mentioned conveyer arranged to permit material to be conveyed thereover by the flights of said conveyer, and transferred onto said transfer plate and said other conveyer, said direction changing device having a recessed portion adapted to receive the successive flights of said associated conveyer.

2,189,870
RESILIENT SUSPENSION DEVICE
Nicolaas Sluyter, Bloemendaal, Netherlands
Application January 30, 1937, Serial No. 123,284. Renewed July 8, 1939. In the Netherlands February 21, 1936
6 Claims. (Cl. 267—63)



1. A resilient suspension device of the kind in which rolling rubber bodies are adapted to be compressed between convergent surfaces in accordance with an applied load having in combination co-operating surfaces convergent in the direction of intended load and compressible rollers adapted to be compressed therebetween, the surfaces being adapted to apply a greater degree of compression to the compressible rollers during initial movement under load than later movement under load.

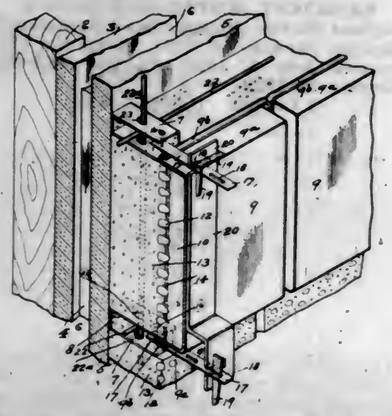
2,189,871
LIQUID FUEL BURNER
Albert R. Thomas, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 3, 1937, Serial No. 162,230
1 Claim. (Cl. 62—5)



The combination with a refrigerator having a cooling compartment and an apparatus compartment and heat operated refrigeration apparatus including a generator having a flue, of heating apparatus utilizing vaporization and combustion of a fuel oil and including a revoluble fuel reservoir mounted in said apparatus compartment, a conduit for fuel connected to said reservoir and projecting laterally therefrom, a burner supported on the other end of said conduit and connected thereto, an air flue around said burner and

also mounted on said conduit, said conduit being of such length so that said burner flue forms a prolongation of said generator flue, and said burner and its flue may be swung horizontally to a position outside of said apparatus compartment for servicing of the burner.

2,189,872
CONCRETE BUILDING WALL CONSTRUCTION
Charles J. Ulrich, Royal Oak, Mich.
Application October 14, 1937, Serial No. 168,981
1 Claim. (Cl. 18—60)



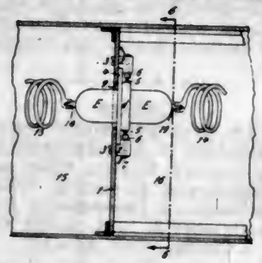
The method of constructing a section of concrete wall, consisting in supporting a plastic clay along one face of the wall of a mold, applying a layer of more fluid clay to the inner surface of the first mentioned clay, applying stucco material and partially embedding the same in both layers of clay, pouring the concrete between the walls of the mold, allowing the same to set and removing the molds and washing away the clay, leaving the stucco partially embedded in the concrete.

2,189,873
GREASE AND METHOD OF MAKING SAME
John C. Zimmer, Hillside, and Arnold J. Morway, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 7, 1938, Serial No. 200,682
10 Claims. (Cl. 87—9)

1. A cohesive aluminum soap grease containing a high molecular weight, soluble substantially saturated, linear polymer thickener having a Hanus iodine number of not over about 10 when substantially free of impurities, and having an average molecular weight in excess of 800, as determined by the viscosity method, said grease containing from about 0.05 to 2.0% of a polyhydric alcohol.

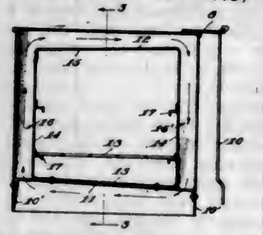
2,189,874
ELECTRON TUBE MOUNTING
Ernst Ziganke, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application February 11, 1938, Serial No. 190,047
In Germany February 11, 1937
4 Claims. (Cl. 250—27.5)

4. An arrangement for supporting electron tubes having lead-in conductors extending from opposite ends thereof and other lead-in conductors adjacent to the center portion thereof so that said tube can be placed in a small space between other apparatus and the connections to said apparatus can be short, comprising an elongated supporting member fixed to said tube adjacent to the center thereof and having two guiding means extending perpendicularly with respect to the axis of said tube, a holder having cooperating stationary guiding means and cooperating contacts on said means first and second mentioned positioned to make contact and com-



plete electric circuits to said tube when said tube is placed in position by sliding said supporting member into said holder with said guiding means first and second mentioned in engagement said supporting member having a hand-grip portion remote from said center portion whereby said supporting member can be inserted in said holder.

2,189,875
PORTABLE BAKING OVEN
Benjamin C. Bartlebaugh, Wheeling, W. Va.
Application April 5, 1937, Serial No. 135,189
1 Claim. (Cl. 126—275)

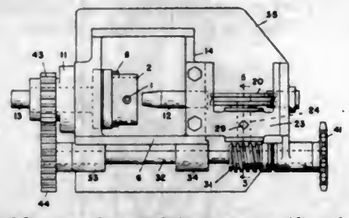


A portable oven comprising a casing, an oven proper mounted therein and having its respective ends abutting the front and rear walls of the casing and having its side walls spaced from the side walls of the casing to provide vertical side conduits, the top wall of the oven proper inclining upwardly and forming in conjunction with the top wall of the casing a top conduit having a restricted discharge passage formed at the highest point of its inclination opening into the upper end of the adjacent side conduit, the bottom wall of the oven proper being inclined upwardly and in a direction reversely to the inclination of the top wall of the oven proper, said casing having an open bottom for disposition over a heating unit, whereby air in the open bottom will be heated by the heating unit and deflected by the bottom wall of the oven proper into one side conduit and will pass therefrom to the top conduit, and thence from the restricted passage into the other side conduit to be reheated during its travel beneath the bottom wall of the oven proper.

2,189,876
WIRE REDUCING MACHINE
Lee Berkebil, Detroit, Mich., assignor to B. W. Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 18, 1938, Serial No. 219,892
11 Claims. (Cl. 205—3)

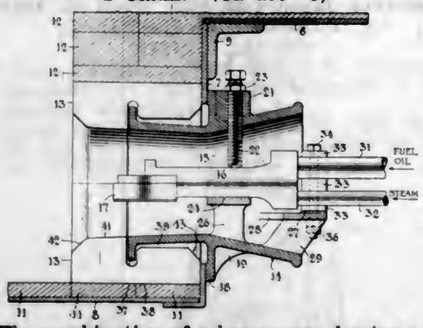
1. In a wire drawing machine, a powder box,

a hollow shaft journaled in a wall of said box, a die holder within said box at the inner end of said shaft, the periphery of said holder having longitudinally extending grooves, a die secured in



said holder, and a driving connection between said shaft and holder including pins projecting endwise from said shaft, and engaging the longitudinally extending grooves in the periphery of said holder.

2,189,877
BURNER MOUNT FOR OIL BURNING LOCOMOTIVES
Leonard K. Botteron, Omaha, Nebr.
Application October 24, 1938, Serial No. 236,770
1 Claim. (Cl. 158—3)



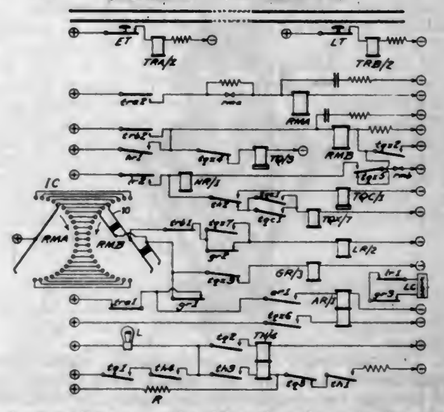
The combination of a burner pan having a refractory lining composed of rectangular bricks and having an opening for the reception of a burner head produced by a symmetrical rectangular assemblage of four identical bricks forming part of said wall, each brick being rectangular in face elevation and formed with a quadrant cut away at one corner such quadrants forming a circular opening through such assemblage; an independently supported burner tube projecting from the outer side of said wall part way through said opening and mating at its inner side with said opening; and means for supporting and aligning a burner in said tube.

2,189,878
CIGARETTE HOLDER
Walter W. Brady, Alhambra, Calif., assignor of one-half to Charles A. Foley, Phoenix, Ariz.
Application October 29, 1938, Serial No. 237,731
1 Claim. (Cl. 131—175)



A cigarette holder of the class described comprising a mouthpiece having a smoke passage therein, an integral externally threaded nipple projecting longitudinally from the forward end of said mouthpiece, said nipple having a socket therein communicating with the smoke passage for the reception of the cigarette, an internally threaded ring threaded on the nipple, a perforated guard including two half sections, the inner ends of which are straight and the outer ends of which are rounded, the straight inner end of one section being fastened to one-half of the exterior circumference of the ring, hinge means for connecting a side edge of the movable half section to the stationary half section, perforated linings in the two sections of fireproof material, the inner end of each lining terminating at the front face of the ring, handles connected to side portions of the two sections adjacent side edge portions thereof, and spring means extending between the handles for holding the movable section against the stationary section, the linings having perforations therein registering with the perforations in the sections.

2,189,879
RAILWAY SIGNAL CONTROL SYSTEM
Andrew Brown, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application September 9, 1936, Serial No. 99,938
In Great Britain September 11, 1935
9 Claims. (Cl. 246—77)

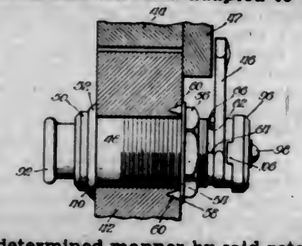


1. A railway or the like signal control system comprising a signal, a section of track, means for in-counting and out-counting the wheels of a train into and out of said section, means controlled by said counting means for controlling said signal into danger if the number of wheels registered by the in-counting and out-counting differ, and into clear if the number of wheels registered by the in-counting and out-counting agree, means operative for establishing an operating circuit for said counting means without restoring said signal to clear when the signal has been left at danger by a differing in-counting and out-counting of wheels in the section, and means responsive to a subsequent agreeing in-counting and out-counting operation for restoring said signal to clear.

2,189,880
LOCK
Kenly C. Bugg, Farmington, Mo.
Application May 2, 1938, Serial No. 205,648
24 Claims. (Cl. 70—289)

1. In a lock, the combination of a casing, a locking member, an axially movable and rotatable member extending through said casing and being operatively associated with said locking member, a disc associated with said rotatable member, a

track member having guiding means thereon, a plurality of balls disposed between said track member and said disc and adapted to be rotated



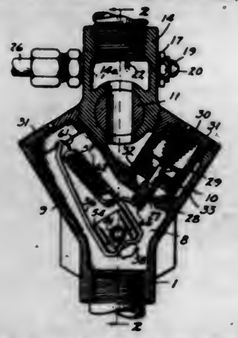
in a predetermined manner by said rotatable and track members, axial movement of said rotatable member in one direction causing said balls to move to initial starting position.

2,189,881

THERMOSTATIC VALVE MECHANISM

Joseph A. Cerny, Cleveland, Ohio, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 3, 1937, Serial No. 157,150
11 Claims. (Cl. 236—48)



1. Thermostatic valve mechanism, comprising a chambered casing, an actuating lever pivoted in said casing, two oppositely disposed intermediate levers pivoted in said casing and each having a short arm operated by said actuating lever, a valve operating lever pivoted on the long arm of one of said intermediate levers, a tension spring connecting said valve operating lever to the long arm of the other intermediate lever, and a valve operated by the valve operating lever.

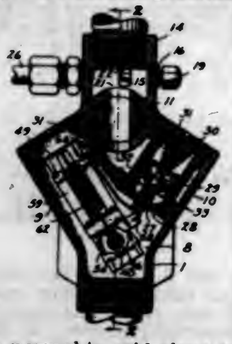
2,189,882

THERMOSTATIC VALVE MECHANISM

Joseph A. Cerny, Cleveland, Ohio, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 7, 1937, Serial No. 157,838
2 Claims. (Cl. 236—48)

1. Thermostatic valve mechanism, comprising a chambered casing provided with fuel supply and discharge connections, said casing having hollow arms whose axes intersect and lie in the same plane and diverge in Y form, the cavities in said arms communicating with the casing chamber, a valve in the cavity of one arm, valve operating mechanism, including a main lever pivotally mounted in said chamber upon an axis parallel with said plane, and lever mechanism operated thereby and located in the cavity of said other arm and movable back and forth in a direction normal to said plane and operating said valve, and thermostatic means including a rod extending into said casing at said intersection



in a direction normal to said plane and engaging and operating said main lever.

2,189,883

SHARPENER FOR SINGLE-EDGED RAZOR BLADES

Edwin B. Connerat, Richmond, Va.

Application January 20, 1938, Serial No. 185,998
6 Claims. (Cl. 51—221)



1. A holder for the usual single-edged razor blade provided with a thick back, comprising a pocket portion for receiving said thick back and a handle attached to said pocket portion by means of a ball-and-socket joint at a point in the plane of the razor blade and to the rear of the center thereof, said handle normally extending to one side of said pocket portion in a line substantially parallel with the cutting edge of said razor blade, said holder and handle being so constructed and arranged that, when a blade is inserted in said holder and the assembly is pressed against a surface, the blade is held with its cutting edge pressed against said surface and can be drawn along said surface by moving said handle substantially in the plane of said surface in a direction substantially perpendicular with its axis.

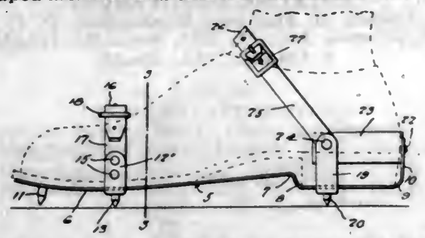
2,189,884

ANTISLIPPING DEVICE

Bartlett A. Dow, Portland, Maine

Application February 10, 1938, Serial No. 189,876
1 Claim. (Cl. 36—7.6)

In an antislipping device, a plate having a curved sole engaging portion and upwardly extending shoe heel engaging portion, a substantially U-shaped member secured to the bottom side of said curved sole engaging portion in spaced relation to the outer end thereof, a second substantially U-shaped member secured to the bottom side of said plate in spaced relation to said upwardly extending shoe heel engaging portion, a curved member secured intermediate its end portions to said upwardly extending shoe heel engaging portion, flexible arch straps secured to and between the end portions of said second U-shaped member and said curved member and ex-



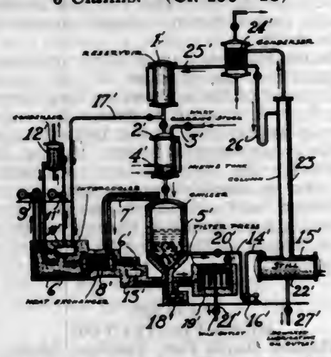
tending at an angle therefrom, flexible toe straps secured to said first-named U-shaped member and extending therefrom in alignment therewith for coaction with said arch straps to secure said device to a shoe, and spaced parallel rows of calks secured to and depending from the bottom side of said plate and U-shaped members.

2,189,885

DEWAXING OILS WITH LIGHT HYDROCARBONS

William J. Edmonds, Scarsdale, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

Original application September 18, 1931, Serial No. 563,557. Divided and this application May 13, 1936, Serial No. 79,412
6 Claims. (Cl. 196—18)



1. A process for separating wax from wax-containing oil which comprises diluting the oil with a liquefied normally gaseous hydrocarbon solvent, cooling the mixture to successively lower wax separation temperatures in a plurality of separate chambers by reducing the pressure to successively lower levels in each chamber, separating the precipitated wax from the oil-solvent mixture in the last chamber and removing the solvent from the dewaxed oil.

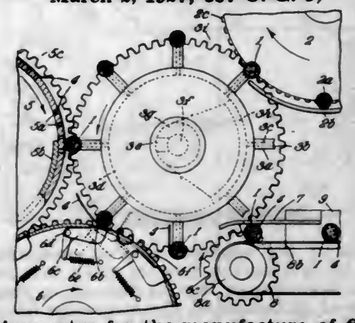
6. A method for separating wax from wax-containing oil which comprises diluting the oil with a liquefied normally gaseous hydrocarbon, separately chilling a portion of the diluted mixture to a temperature at which a small amount of wax is caused to precipitate, adding this chilled portion to the remainder of the diluted mixture, chilling the same to a successively lower wax separation in a plurality of separate expansion stages, removing the wax so caused to precipitate, and recovering wax free oil.

2,189,886

CIGARETTE

William Frederick Maitland Edwards, Hinchley Wood, Esher, England, assignor to Filter Tips Limited, London, England

Application February 1, 1937, Serial No. 123,541
In Great Britain January 31, 1936
17 Claims. (Cl. 131—94)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



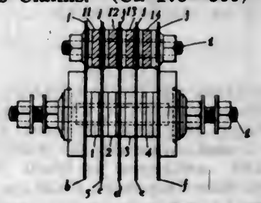
1. Apparatus for the manufacture of filter tip or like composite cigarettes by uniting lengths of cigarette rod and mouthpiece portions by means of uniting bands, comprising a rotatable suction carrier having radial suction arms adapted to pick up and convey the assemblages to be united, means for bringing previously pasted uniting bands into contact with the assemblages, a rotary member having slots adapted to embrace the assemblage partially as it is conveyed by the said carrier and thereby to wrap the uniting band around part of the circumference of the assemblage, and means for subsequently completing the wrapping of the uniting band around the assemblage.

2,189,887

DRY CONTACT METAL RECTIFIER

Ronald Job Elsome-Jones, Mill Hill, London, and Leslie James Ellison, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application February 25, 1936, Serial No. 65,598
In Great Britain March 1, 1935
3 Claims. (Cl. 175—366)



1. A rectifying unit comprising a plurality of dry contact metal rectifiers in the form of discs mounted on a central spindle, large diameter metal discs mounted on the said spindle between each rectifier to act as cooling means, and a resistance connected between each of the said last mentioned discs.

2,189,888

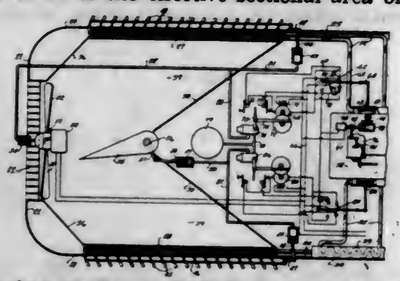
THERMAL CONTROL OF INTERNAL COMBUSTION ENGINES

Louis E. Endsley, Pittsburgh, Pa., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application February 7, 1938, Serial No. 189,110
20 Claims. (Cl. 123—174)

5. The herein described method of effecting a

thermal control of an internal combustion engine provided with a water-cooling system and an oil-cooling system, each including a radiator, which consists in displacing air through a branched conduit, thence into cooling relation with the respective radiators; proportioning the effective flow of air in cooling relation to the respective radiators by control of the effective sectional area of the



branches of the conduit; further proportioning the air by varying the delivery of air into the respective branches of the conduit all in response to thermal variations in the respective liquids to be cooled by the radiators, and further varying the displacement of cooling air in response to predetermined temperature variations of a relatively higher order, in one of said cooling systems.

2,189,889

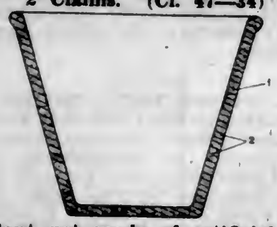
MOLDED ARTICLE OF SYNTHETIC RESIN

Walter Engel, Friedrichsanfang, Germany

Application August 4, 1936, Serial No. 94,285

In Germany August 3, 1935

2 Claims. (Cl. 47—34)



1. A plant pot made of artificial resin and transpierced by capillary canals.

2,189,890

PRODUCTION OF UNSATURATED HALOGEN-CONTAINING COMPOUNDS

William Engs, Oakland, Herbert P. A. Groll, Berkeley, and Alasdair W. Fairbairn, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 14, 1937, Serial No. 142,664

7 Claims. (Cl. 260—654)

1. A process for the production of an unsaturated aliphatic polyhalide which comprises reacting a free halogen selected from the group consisting of chlorine and bromine with an aliphatic halide possessing an unsaturated tertiary carbon atom, effecting said reaction for a period of time less than one minute at a temperature at which the halo-substitution product is predominantly in the vapor phase, but below the temperature at which there occurs a substantial formation of halides having a greater number of unsaturated bonds than present in the unsaturated halide reactant, and removing from the reaction system vapors of an unsaturated aliphatic halide which contains more halogen atoms than the unsaturated halide subjected to treatment.

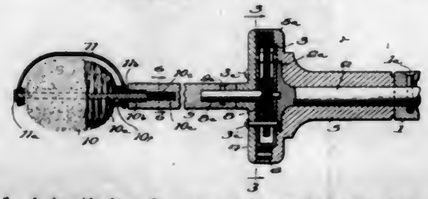
2,189,891

ROTATING TOOTH BRUSH

Addison H. Flournoy, Washington, D. C.

Application June 23, 1937, Serial No. 149,954

5 Claims. (Cl. 15—25)



1. A tooth brush comprising a handle, a shaft secured to said handle, a speed multiplying gearing comprising a casing mounted on the end of said shaft in spaced relation to said handle and having a spur gear journaled therein, idler gears journaled in said casing and meshing with said spur gear, a rotary sleeve mounted directly on said shaft between said handle and said casing and arranged to be rotated by engagement between the thumb and forefinger of the same hand that grasps said handle, said sleeve being of smaller diameter than said casing and being provided with an enlarged cylindrical extension arranged over said gear casing, an internal ring gear mounted within said cylindrical extension and meshing with said idler gears, a rotatable shaft secured to said spur gear and extending out of said casing in axial alignment with said first shaft, and a brush element driven by said rotatable shaft.

5. A brush element comprising a twisted-wire core supporting the bristles of the brush and having an end of the core extending beyond the brush to form a supporting shank, the outer portion of said supporting shank being swaged into substantially cylindrical form having integral longitudinal ribs formed on opposite sides thereof, and a sleeve element mounted on said core between said cylindrical portion and said brush, said sleeve element having an outwardly extending flange at its end adjacent the bristles of said brush.

2,189,892

HEAD PROTECTOR

Harold David Fox, Pontiac, Mich.

Application July 29, 1939, Serial No. 287,421

1 Claim. (Cl. 2—4)



A head protector comprising a hat structure including a brim, a head-enclosing structure of foraminous material depending from the brim, said head-enclosing structure including a face section, removable connections between the face section and the head-enclosing structure proper, a window in the face section, a detachable connection between the upper edge of the head-enclosing structure and the brim of the hat, a nose and mouth encompassing frame built in the face section, a movable closure for the said frame.

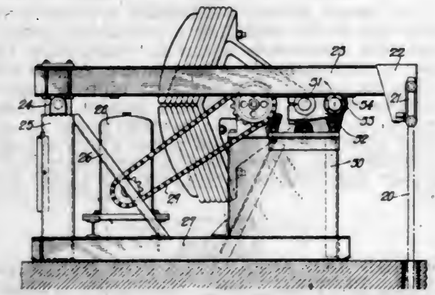
2,189,893

PUMPING APPARATUS

John S. Fuller, Tulsa, Okla., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey

Application July 15, 1937, Serial No. 153,823

3 Claims. (Cl. 74—48)



1. Well pumping apparatus comprising in combination a walking beam, means to pivotally sustain said beam for vertical oscillation, a pump mechanism dependingly secured from the beam at a fixed distance from the pivotal point of the beam, and means including a rotating crank arm to apply power to the beam intermediate the pivotal point and the point of suspension of said pump mechanism, said means including means to progressively shift the point of application of power away from and towards the said pivotal point to obtain a maximum moment arm at the time of maximum load during the upstroke of the pump mechanism and a minimum moment arm at the time of minimum load during the downstroke of the pump mechanism, and a counterbalance weight secured to rotate about the axis of rotation of the crank shaft supporting said crank arm in a position relative to the crank arm to effectively balance the load of said pump mechanism.

2,189,894

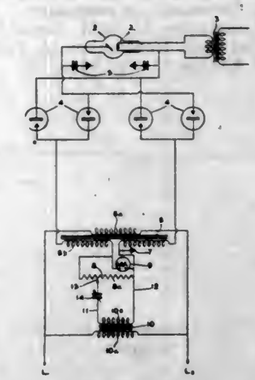
X-RAY TUBE CURRENT METERING MEANS

Edwin R. Goldfield, University Heights, Ohio, and Caperton B. Horsley, Toronto, Ontario, Canada, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio

Application October 17, 1938, Serial No. 235,372

1 Claim. (Cl. 250—100)

In a circuit including an X-ray tube, a high-tension transformer and full-wave current rectifying means between the secondary of said transformer and said tube, metering means including a resistance which is in series with the secondary of said transformer and carries a leakage capacity current due to the capacity of the parts of said circuit, a meter connected in parallel with said resistance for measuring the voltage drop across it, a transformer having its primary winding in parallel with the primary of said first named transformer, the secondary of said last named transformer being provided with means adjustably connecting it with a variable portion of said resistance in a manner to pass bucking current therethrough in a direction and



of a magnitude to oppose and balance out the leakage capacity current flow in said resistance and means for independently adjusting the phase relation between the opposing voltages impressed on said resistances.

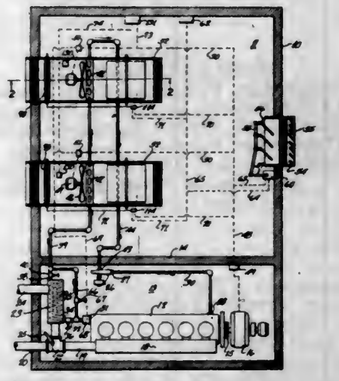
2,189,895

HEATING AND VENTILATING SYSTEM

Fritz Paul Grutzner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

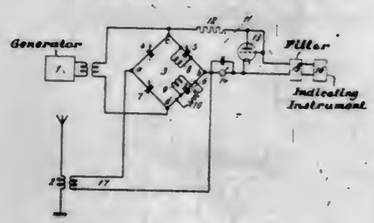
Application June 15, 1936, Serial No. 85,272

4 Claims. (Cl. 237—12.1)



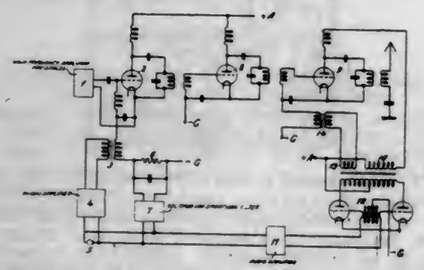
1. In a system of the type described, the combination of an internal combustion engine, a space to be air-conditioned, heating apparatus therefor, functionally associated with said engine so as to be heated thereby, ventilating means for said space, a blower for circulating air from said ventilating means and from the space, into contact with said heating apparatus to be heated thereby, means for conducting said air after contact with the heating apparatus, to said space and to atmosphere, means including a motor associated with said conducting means adapted for proportioning the flow of air to the space and to atmosphere, means operated by said motor for controlling said ventilating means and thermostatic means responsive to temperature conditions of said space, for controlling operation of said motor.

2,189,896
PHASE MODULATION INDICATOR
Fritz Gutzmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application September 14, 1937, Serial No. 163,770
In Germany September 14, 1936
2 Claims. (Cl. 250—17)



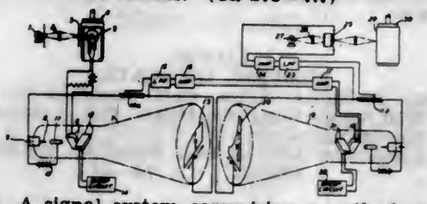
1. A circuit arrangement for high frequency transmitters which comprises two alternating current sources one of which is of a constant frequency value while the energy from the other is subject to disturbances, a bridge comprising four impedance arms to which these two current sources are connected, one source being connected to two opposing points of this bridge and the other connected to two other opposing points thereof, means for adjusting the bridge, the adjusted bridge being equipotential at the points to which one of the said current sources is joined and equipotential also at the points to which the other current source is joined, means bridged across one of said impedance arms for rectifying the energy from the said current sources and a resistance simulating the impedance of said means for rectifying bridged across an associated arm of said bridge.

2,189,897
MODULATION SYSTEM
Fritz Gutzmann, Fichtenau, Kreis Niederbarnim, and Erich Schulze-Herringen, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application January 12, 1938, Serial No. 184,646
In Germany January 13, 1937
3 Claims. (Cl. 179—171.5)



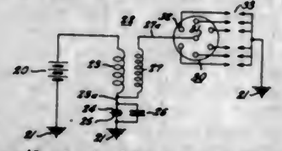
1. A high frequency transmitter arrangement comprising a source for producing a high frequency carrier, means for modulating said high frequency carrier with a modulation voltage, means for fluctuating said high frequency carrier in dependency upon the mean value of said modulation voltage, a power amplifier, means for applying to said power amplifier the modulated and fluctuated high frequency carrier, and means for varying the anode direct current potential of said power amplifier dependent upon said modulation voltage.

2,189,898
SYSTEM OF COMMUNICATION
Ralph V. L. Hartley, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1933, Serial No. 686,348
Renewed May 3, 1939
29 Claims. (Cl. 178—7.7)



1. A signal system comprising a cathode ray discharge device including a conductive plate of negligible resistance, a circuit connecting said plate to the cathode of said device, means controlled by signal currents and high frequency currents applied to deflecting means individual thereto for deflecting the cathode beam of said device with respect to said plate, which operates to control the production in said circuit of a current non-linearly related to the signal current.

2,189,899
METHOD AND APPARATUS FOR OVERCOMING PITTING OF IGNITION TIMER CONTACTS
Herman L. Hartzell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 29, 1939, Serial No. 276,396
20 Claims. (Cl. 123—148)



1. The method of obtaining substantially flat contact operation in an ignition system for internal combustion engines by balancing negative-transfer with positive-transfer which consists in maintaining the primary induced voltage below a value sufficient to start an arc between the timer contacts after the initial separation thereof during which transfer of contact metal to the negative contact takes place, and in augmenting the primary induced voltage at the time of secondary discharge by a transient voltage derived from a high frequency oscillation accompanying secondary discharge, the value of the transient voltage being controlled so that the total voltage impressed upon the contacts will be sufficient to produce positive-transfer arcs in such numbers and of such intensity that compensation for transfer of metal to the negative contact will be effected.

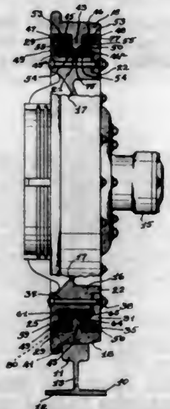
2,189,900
DRILL STEM CIRCUIT TESTER
David G. Hawthorn and John E. Owen, Tulsa, Okla., assignors to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application June 18, 1938, Serial No. 214,457
20 Claims. (Cl. 175—182)

19. In a device for use in a bore hole for measuring electrical characteristics of the earth, an insulated first conductor extending into the bore hole, an earth-contacting electrode in the bore



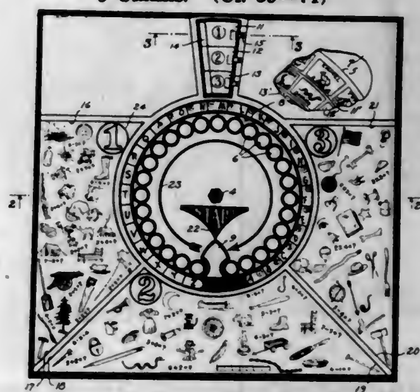
hole at the end of said conductor and switch means adjacent said electrode for selectively open-circuiting said conductor or connecting it to said electrode.

2,189,901
CAR WHEEL
Arthur J. Hersey and Charles L. Madden, Minneapolis, Minn.
Application February 1, 1937, Serial No. 123,385
15 Claims. (Cl. 295—11)



8. In a wheel, a rim, annular flanges at either side of said rim, a tire spaced from and encircling said rim and flanges, said tire having an internal rib spaced between said flanges and from said rim, said wheel parts being formed to provide radially inner and outer concentric channels at either side of the wheel structure, each outer channel being open at its respective face of the wheel and progressively restricted in the direction of said face, each inner channel being open annularly to its respective outer channel and progressively restricted in the direction of such channel, each inner channel being also open annularly, beneath said rib, to the inner channel at the other side of the wheel structure, cushion means of resilient material interposed between tire and rim and having, at either side of the wheel structure, radially inner and outer annular portions respectively conforming with the radially inner and outer channels at their respective side of the wheel structure.

2,189,902
EDUCATIONAL DEVICE
Ernest F. Hiser, Oklahoma City, Okla.
Application August 25, 1937, Serial No. 160,900
Renewed October 2, 1939
5 Claims. (Cl. 35—74)

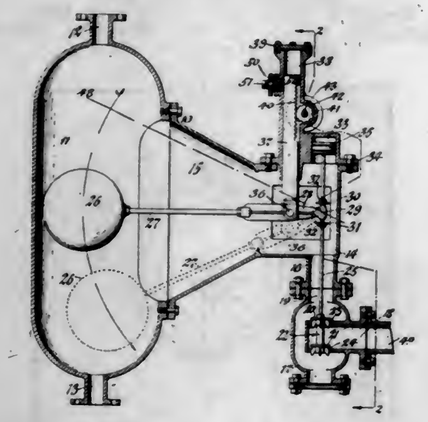


1. In a device of the character described the combination of a rotatable member and a pivot mounting said member centrally on the base of said device, and a cover having a sight opening therein, said cover extending over said member and secured to the base of said device, said member having thereon depictions of objects arranged in a row aligned with said opening, said cover having thereon selectable visible depictions which are duplicates of those on said member, said cover having a central aperture exposing said pivot, said cover having a finger stop extending thereinto from the periphery of such aperture in a direction toward said pivot, said cover also having letters of the alphabet spaced around said aperture, said member having a series of finger holes exposed by said aperture and arranged to pass successively beneath said finger stop when said member is rotated, said finger holes disposed adjacent to and registrable with said letters of the alphabet, and means for facilitating rotating said member from said finger stop as a predetermined starting point through a certain angular movement to bring about registry with said opening of the depiction on said member corresponding to the depiction selected from said cover, said angular movement corresponding to the spelling of the object whose depiction was selected.

2,189,903
LIQUID LEVEL CONTROL MECHANISM
Harlan W. How, Titusville, Pa., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa., a corporation of Maryland
Application May 21, 1937, Serial No. 144,025
1 Claim. (Cl. 137—68)

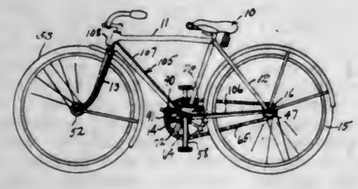
A liquid level control mechanism comprising a casing containing a liquid space in which the liquid level is adapted to rise and fall and which is provided with a liquid inlet, a valve device for controlling said inlet, a float adapted to rise and fall with the liquid in said space, a valve rod connected with said valve device, a float lever operatively connecting said float with said valve rod, an upright tubular guideway arranged on

said casing, a fulcrum bar slidable vertically in said guideway and having said lever pivoted thereto and provided within said guideway with a gear rack, a gear pinion meshing with said rack and having an operating spindle extending to the exterior of the casing, and means for locking



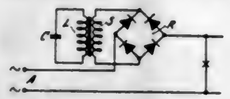
said bar after the same has been adjusted including a bushing secured in an opening in the side of the guideway, a flexible disk secured to the inner end of said bushing and a set screw working in said bushing and having its inner end engaging said disk and pressing the same against said fulcrum bar.

2,189,904
HYDRAULIC BRAKE FOR MOTORCYCLES AND BICYCLES
Robert D. Insko, Paris, Ky.
Application May 6, 1938, Serial No. 206,454
4 Claims. (Cl. 192—5)



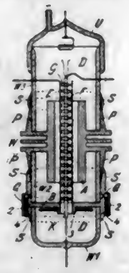
1. In a vehicle, a stationary axle, a wheel including a hub rotatable on the axle, a first sprocket rotatable on the axle, clutch means engaging the sprocket and hub upon movement of the sprocket relative to the hub in a given direction, braking means, a hydraulic motor in the hub arranged to actuate the braking means, a crank including a shaft rotatably carried by the vehicle, a second sprocket fixed to the shaft, a first chain transmitting movement of the second sprocket to the first sprocket, a third sprocket on the shaft, clutch means engaging the shaft and the third sprocket upon movement of the shaft relative to the third sprocket in a direction opposite to the given direction, a hydraulic pump, a fluid conduit connecting the pump and motor, means actuating the pump including a fourth sprocket, and a second chain transmitting movement of the third sprocket to the fourth sprocket.

2,189,905
RECTIFIER DEVICE
Walter Kalbskopf, Nuremberg, Germany, assignor to Suddeutsche Apparatefabrik, Nuremberg, Germany, a company
Application June 17, 1938, Serial No. 214,227
In Germany June 23, 1937
4 Claims. (Cl. 171—97)



1. In combination, a source of alternating current having a wave shape with a gradual slope from positive maximum to negative maximum, a load device to be energized from said source said device having such little inertia that it responds substantially in proportion to the instantaneous value of the applied waves, and means to convert the alternating current into an alternating current of the same frequency but with an abrupt slope between positive maximum and negative maximum, the last-mentioned means including a plurality of rectifier units arranged in the form of a bridge for full-wave rectification and connected only in one side of the alternating current supply line and a choke coil connected in one diagonal of said rectifier bridge.

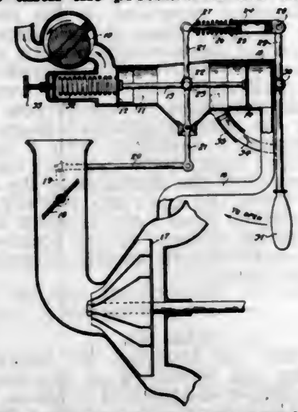
2,189,906
ELECTRONIC DISCHARGE TUBE
Annemarie Katsch, Berlin-Lichterfelde, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application January 16, 1937, Serial No. 120,895
In Germany January 16, 1936
3 Claims. (Cl. 250—27.5)



1. An electronic discharge tube having a ceramic vessel, electrodes in said vessel, and a ring integral with one of the electrodes located outside and shrunk on the vessel.

2,189,907
POWER CONTROL
Milton J. Kittler, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application August 17, 1938, Serial No. 225,393
8 Claims. (Cl. 123—75)

1. In a throttle controlled supercharged engine, a throttle lever, a manually operated link having a positive one-way connection adapted to positively open the throttle, a loose connection and a spring associated therewith permitting the throttle to be yieldingly closed, a second spring adapted to open the throttle, means responsive to the pressure of the supercharger also connected to said throttle lever and adapted to open the throttle until the pressure of the supercharger

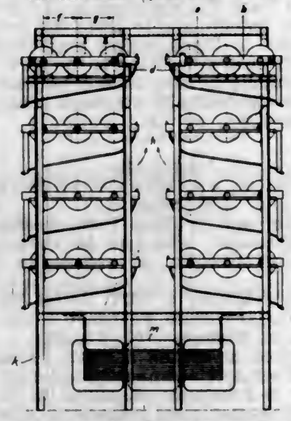


above the atmospheric pressure equals the pressure determined by the second spring.

2,189,908
METHOD OF MANUFACTURING A SELENIUM RECTIFIER
Masatsugu Kobayashi, Juichi Osawa, and Kichiro Otake, Mita, Shibaku, Tokyo, Japan, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 5, 1938, Serial No. 194,072. In Japan March 4, 1937
2 Claims. (Cl. 175—366)

1. The method of manufacturing selenium cells which comprises the following steps: heating the electrode plate to a temperature above the melting point of selenium, coating the plate with molten selenium, and finally rapidly cooling the coated plate.

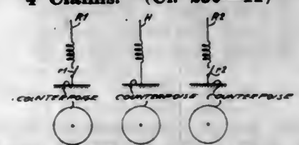
2,189,909
RECTIFIER SYSTEM
Emil Körber and Georg Schaller, Nuremberg, Germany, assignors to Suddeutsche Apparatefabrik, Nuremberg, Germany
Application September 1, 1938, Serial No. 227,955
In Germany September 2, 1937
11 Claims. (Cl. 175—366)



1. A metal dry rectifier system for heavy current operation comprising, a plurality of metal dry rectifier elements assembled to rectifier

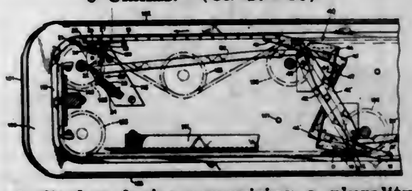
groups each of which consists of a given number of rectifier elements, a number of frames each of which supports in an easily detachable manner a given number of said rectifier groups, a plurality of air directing members individually attached to each of said rectifier group supporting frames at the lower portion thereof, and a rack device adapted to receive in vertical rows the desired number of said frames, said air directing members having such shape and being so located relative to said rack device that the central portion thereof forms a chute through which air streams resulting from a temperature increase in the interior of said rack device during the operation of said rectifiers are drawn off to the exterior of said rack device whereby the groups of rectifiers located in a higher level of said rack device are substantially protected from air streams of enhanced temperature caused by the lower level groups of rectifiers and whereby fresh air can be drawn in through openings in said rack device and swept around said groups.

2,189,910
ANTENNA ARRANGEMENT
Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 2, 1937, Serial No. 172,345
In Germany August 25, 1936
4 Claims. (Cl. 250—11)



1. A direction finding antenna system comprising a plurality of individual radiators, and a plurality of metal counterpoise-ground structures, each of said counterpoise structures being individually allotted to a corresponding radiator, the counterpoise structures being entirely separated from each other whereby radiation of undesired horizontal components is avoided.

2,189,911
DISPLAY SIGN CONTROL MECHANISM
St. George Lafitte, Summit, N. J., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California
Application December 9, 1938, Serial No. 244,798
9 Claims. (Cl. 40—36)



1. A display device comprising a plurality of display carrying units, means forming a closed path including a storage portion and a travel portion about which said units are adapted to be advanced, a flexible conveyor element movable about a closed circuit, a pick-up member on said conveyor element for carrying one of said units around said travel portion of said path, stop means and a pawl means extending into said path for restraining the others of said units within said storage portion, means for causing said pick-up member to deposit said one carried unit

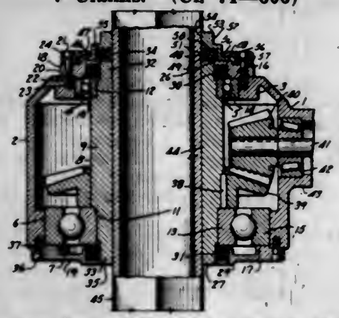
in said storage portion adjacent said pawl, a tripping member on said conveyor element, means operative by said tripping member for removing said stop means from said path and releasing one of said units, means operated by releasing movement of said stop means for moving said pawl back of said deposited unit, means for causing said pick-up member to pick up said released unit in timed relation with said unit's release, and means operative to subsequently return said stop means in said path and advance said pawl to push said stored units forward against said stop.

2,189,912

GEAR BOX FOR DRILLING APPARATUS

John P. Lang, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application January 12, 1938, Serial No. 184,655
7 Claims. (Cl. 74—606)



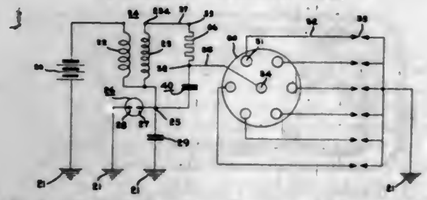
1. A gear box of the character described including a drive sleeve having its end rotatably mounted in the gear box and provided with a polygonal bore, a driven member having a cross-section shaped to correspond to the bore of the drive sleeve, and means carried by the gear box for sealing the space between the driven member and the bore of said sleeve including the end of the sleeve for excluding drilling fluid which may run down the driven member.

2,189,913

IGNITION SYSTEM

Verle E. McCarty, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 31, 1938, Serial No. 227,657
8 Claims. (Cl. 123—148)



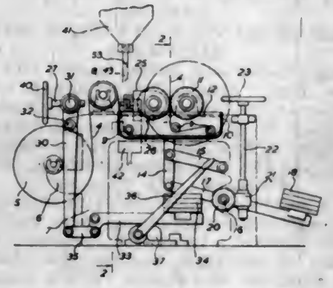
1. An ignition system for internal combustion engines comprising, in combination, a current source, an ignition coil having a primary winding and a secondary winding, a timer having contacts for controlling connection of the current source to the ignition coil primary, an insulated terminal provided by the timer and connected with one of the timer contacts, a wire connecting said timer insulated terminal with the ignition coil primary winding, a timer condenser connected with the timer contact which is connected with said insulated timer terminal, a distributor including a center terminal for distributing sparking impulses generated in the secondary winding to the spark plugs of the engine, and a condenser having one electrode directly attached to the insulated timer terminal and its other electrode connected electrically with the center terminal of the distributor for the purpose of supplementing the primary induced voltage, at the time of secondary discharge, with a transient voltage derived from a high frequency oscillation which accompanies the discharge of the secondary circuit across the spark gap, whereby to produce an arc at the timer contacts which will produce transfer of material to the positive timer contact to compensate for transfer of material to the negative contact.

2,189,914

APPLICATION OF LIQUIDS TO MATERIALS

Albert Mellor and William Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application January 30, 1937, Serial No. 123,102
In Great Britain February 6, 1936
2 Claims. (Cl. 68—22)



1. Apparatus for applying liquid to a web or sheet of material, comprising a pair of mangle rollers, means for rotatably mounting said rollers side-by-side to form a nip, a trough for the reception of the liquid, movable means for supporting said trough beneath the rollers, means for controlling said supporting means, said controlling means being adapted to move said supporting means so as to raise the trough into a position such that the rollers depend into the trough and form the nip close to the level of the liquid in the trough, and to lower the trough from such position, a liquid supply connected to the trough, and means controlling the flow of liquid from the supply to the trough and adapted to maintain a substantially constant level of liquid in the trough.

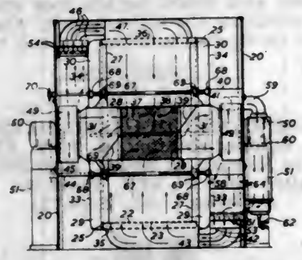
2,189,915

DRYING OF LAYERS OR SHEETS OF MATERIAL

Albert Mellor and William Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application February 4, 1937, Serial No. 124,139
In Great Britain February 6, 1936
11 Claims. (Cl. 34—24)

1. A method of drying a layer, sheet, or web of permeable material impregnated with a liquid containing a substance dissolved in a volatile solvent, which comprises extracting solvent from the material in a plurality of stages, in at least one of which super-heated vapour of the solvent substantially free from other gas is passed through the material, and in at least one other stage, including the final stage, another gas is passed through the material to complete the extraction of the solvent.

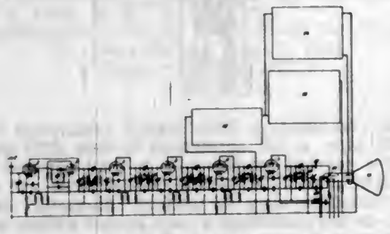


2,189,916

TELEVISION RECEIVER

Maximilian Messner, Berlin-Westend, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application February 29, 1936, Serial No. 66,429
In Germany July 12, 1935
2 Claims. (Cl. 178—7.5)
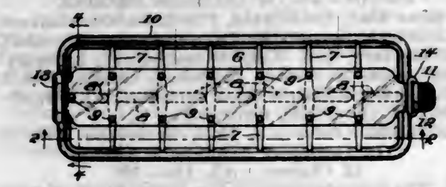


1. In a television receiver, means for producing an intermediate frequency which is at least five times the highest picture frequency, means for amplifying said intermediate frequency, said amplifying means comprising a multi-stage amplifier provided with band filters for coupling said stages, a Braun tube, and a band filter interconnecting the output circuit of said amplifying means and the Braun tube, this tube being included in the output circuit of said last named band filter.

2,189,917

ICE TRAY

James H. Miner, Meridian, Miss.

Application June 23, 1936, Serial No. 86,840
2 Claims. (Cl. 62—108.5)



1. An ice tray grid comprising an elongated strip-like carrier member normally longitudinally curved, said carrier member being of spring material so that it may be straightened, a plurality of partitions affixed to the convex side of the carrier member and disposed transversely thereof, and a plurality of partitions affixed each to one of the transverse partitions but free of the carrier member and other transverse partitions so as not to interfere with the free flexing of the carrier member.

2,189,918

TREATMENT OF MATERIALS OF NATURAL OR ARTIFICIAL ORIGIN

Robert Wighton Moncrieff, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 5, 1937, Serial No. 140,893. In Great Britain June 3, 1936
5 Claims. (Cl. 8—120)

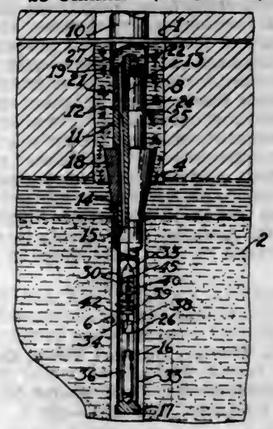
1. Process for the production of improved artificial materials, which comprises treating materials produced by the complete saponification of materials comprising filaments, fibres, ribbons or films having a basis of an organic ester of cellulose and a tenacity in excess of 2.5 grams per denier with a water-soluble organic nitrogenous base in which each atom of carbon directly attached by a single link to nitrogen is also directly attached to three other atoms and each atom of nitrogen directly attached by a double linkage to nitrogen is also attached to two other atoms, until the affinity of the materials for cotton dyes is increased.

2,189,919

METHOD AND APPARATUS FOR FORMATION PRESSURE TESTING

Thomas V. Moore, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 18, 1936, Serial No. 91,254
23 Claims. (Cl. 166—1)



1. The method of indicating production of a formation tapped by a drill hole containing liquid, which comprises shutting off communication with the formation of the liquid in the hole at a point above the formation, opening communication of the formation to a pressure less than the formation pressure, and recording the pressures occurring in the hole adjacent the formation as flow occurs.

2,189,920

BOX

Ersel C. Mulnix, Chicago, Ill.

Application July 26, 1938, Serial No. 221,326
3 Claims. (Cl. 229—52)

1. A box comprising an outer and an inner box member foldably connected together to cause

said outer member to fit over said inner member, the wall at the freely swinging end of said outer member being transversely slotted for the passage of a handle member, and the corresponding wall of the inner member being provided with a pivot opening and a cooperating inclined slot for



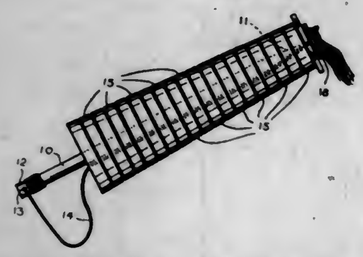
the reception of the ends of a handle member; and a handle member having ends engaging said pivot opening and inclined slot and the body of said handle member being adapted to pass through said transverse slot to lock said walls together and serve as a handle for the box.

2,189,921
DUPLICATING MACHINE
John R. Nalbach, Oak Park, Ill.
Application December 24, 1937, Serial No. 181,481
10 Claims. (Cl. 101—133)



1. A flat bed duplicator comprising a supporting base, a hectographic member supported thereby, a pair of parallel platen guide rods disposed longitudinally of said base and pivotally attached at the forward ends thereof to said base and being freely movable about said pivot during duplicating operations to enable a platen roller to exert uniform pressure on the duplicating member during such operations, a pair of platen journals slidably carried by said guide members, and a platen roller carried by said journals and manually movable longitudinally of the base for pressing copy sheets into contact with the surface of said hectographic member.

2,189,922
GAME
Edward G. Perrier, Hunters Point, Quebec, Canada
Application October 31, 1938, Serial No. 238,052
1 Claim. (Cl. 273—99)



In a game as described comprising a pin having a pointed end, a cord having one end fixedly attached to the opposite end of said pin, a plurality of apertured discs loosely mounted on said cord, each succeeding disc having its inner and outer peripheries of less diameter than the preceding disc, and means on the free end of said cord for retaining the discs thereon whereby the discs may be thrown into the air and caught by the pin.

2,189,923
CORING AND DRILLING DEVICE
John T. Phipps, Huntington Park, Calif., assignor to Herman C. Smith, Whittier, Calif.
Application June 21, 1937, Serial No. 149,340
6 Claims. (Cl. 255—72)

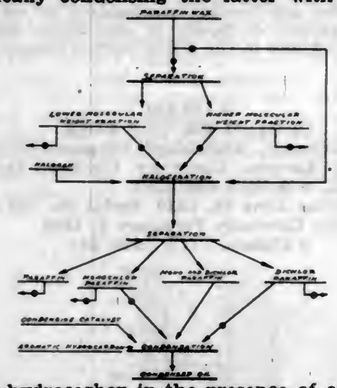


1. In combination with rotary apparatus and its drill pipe, a sub connected to said drill pipe, a barrel carried by the sub, a drill secured to said barrel, and the sub provided with an annular threaded area of uniform diameter, of a coring device including a core barrel within said first named barrel, a swivel between said core barrel and drill and adapted to support one end of said core barrel, a valve and its cage carried by the opposite end of the core barrel, slips for engaging the threads of said sub, means of connection between said slips and cage including a second swivel, and a mandrel for actuating said slips to move the same into engagement with the threads of said sub or out of engagement therewith, and whereby when said slips are in engagement with the teeth of said sub, the core barrel is held in one position within the first named barrel, and when the slips are moved by said mandrel to disengage the said threads, the said core barrel may be removed from the first barrel.

2,189,924
PRODUCTS OF HYDROCARBONS
Mathias Pier, Heidelberg, Friedrich Christmann, Ludwigshafen-on-the-Rhine, August Eisenhut, Heidelberg, and Willy Hirschberger, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 5, 1934, Serial No. 705,376
In Germany January 7, 1933
13 Claims. (Cl. 196—78)

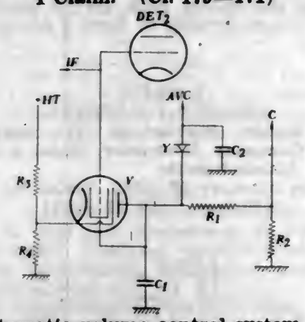
9. The improvement in the preparation of pour point depressors of the condensation type prepared by the chemical condensation of a chlorinated paraffin wax with an aromatic hydrocarbon in the presence of aluminum chloride, which comprises separating the chlorinated paraffin wax into a fraction comprising substantially monochloro derivatives of the chlorinated paraffin wax and a fraction comprising substantially

dichloro derivatives of the chlorinated wax and chemically condensing the latter with an aro-



matic hydrocarbon in the presence of aluminum chloride.

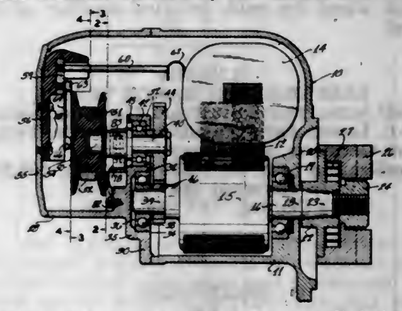
2,189,925
GAIN CONTROL ARRANGEMENT
Louis William Reinken, Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application April 29, 1936, Serial No. 76,940
In Great Britain June 1, 1935
1 Claim. (Cl. 179—171)



An automatic volume control system for a receiver having at least one amplifier valve, comprising a control valve having a first resistance and a second resistance serially connected in the plate circuit thereof, a connection from the cathode of said amplifier valve through said second resistance to ground, the value of said second resistance being such that a potential drop is secured sufficient for the operation of said control valve, an asymmetric resistance element connected between the plate of said control valve and the grid of said amplifier valve, and a condenser connected between the amplifier valve side of said asymmetric resistance and a point in the plate circuit of said control valve such that any potential drop across said first resistance is applied to said condenser, whereby the gain of said receiver decreases quickly and increases relatively slowly.

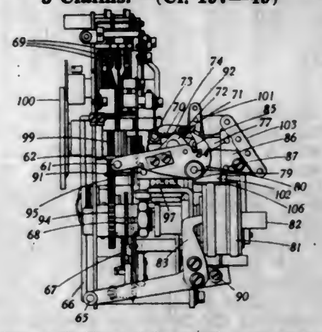
2,189,926
MAGNETO
Curt F. Reis, Chicago, Ill., assignor to Superior Parts Manufacturing Company, New York, N. Y., a corporation of New York
Application January 10, 1938, Serial No. 184,208
1 Claim. (Cl. 171—209)

In a magneto assembly, a frame structure of unitary cast construction and being of hooded type, open at the end opposite the driving connection of the magneto, a tubular element removably mounted on said frame adjacent the open end thereof, ignition terminals carried in spaced relation by the tubular element, a magneto shaft and a magneto rotor supported thereby, a wall member projecting inwardly of the tubular element, bearing means carried by said wall, rotatably receiving one end of the magneto rotor shaft, a distributor shaft journalled in said wall, gearing connecting the magneto rotor and distributor shafts, a breaker assembly carried entirely by the wall member, a distributor rotor carried by one end of the distributor shaft, a contact element carried by the distributor rotor,



a breaker cam on the distributor shaft between the distributor rotor and said wall member, an end closure plate for the tubular element serving therewith to complete the enclosure provided by the frame for the internal elements of the magneto, a high tension current generating winding supported in said frame and operatively associated with said magneto rotor, a relatively rigid conductor element carried by and projected inwardly of the closure plate, and adapted for abutting contact with an opposed conductor element of said generating winding, and a relatively rigid yet somewhat resilient distributor supply conductor electrically connected to the conductor aforesaid and mounted internally of the closure plate in a manner to engage a portion of the contact on said distributor rotor.

2,189,927
PRINTING TELEGRAPH APPARATUS
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, Surrey, England
Application December 2, 1936, Serial No. 113,755
In Great Britain January 13, 1936
5 Claims. (Cl. 197—49)



1. A typeprinting telegraph apparatus comprising, a type wheel, a printing lever, a printing

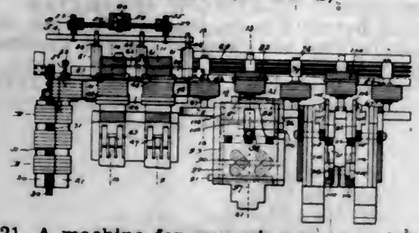
hammer pivoted on said printing lever, means for guiding said printing hammer to provide the desired movement relative to the printing lever, said printing hammer being mounted above said type wheel for cooperation therewith, a printing anvil mounted on said printing hammer for striking against said type wheel, means for actuating said printing lever comprising a spring and a cam operated lever linked to said printing lever through said spring, means for holding said printing lever against movement until said spring is tensioned, a notched corrector wheel attached to said type wheel, a yieldingly mounted corrector tooth, and means controlled by said cam operated lever for bringing said corrector tooth into engagement with a notch in said corrector wheel for each printing position of said wheel.

2,189,928
ELECTRIC DISCHARGE VESSEL
Rudolf Scharfnagel, Stuttgart, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application May 25, 1938, Serial No. 209,968
In Germany May 28, 1937
6 Claims. (Cl. 250—27.5)



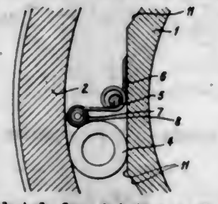
1. The process of fastening a conductor to the ceramic wall of an electric discharge device and to a terminal, comprising the following steps: attaching the conductor to the terminal and passing it through an aperture in the wall with the terminal on the outside of the wall, and filling the aperture with a metallic sealing substance adhering to the walls of the aperture, the conductor and the terminal.

2,189,929
METHOD AND MEANS FOR PREPARING BOOKS FOR BINDING
Carl Schramm, North Coventry, Conn., assignor to The Smyth Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 15, 1939, Serial No. 261,867
24 Claims. (Cl. 11—1)



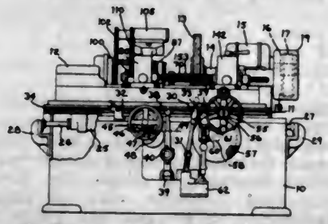
21. A machine for preparing groups of books for binding which comprises a stationary backing jaw and a co-operating movable jaw for receiving and compressing the groups near the backs of the books, a stationary backing plate and co-operating movable plate for receiving and compressing the groups over their entire side faces, a plate for supporting the groups and holding the book backs flat when the groups are being compressed, a fixed shearing die and a co-operating movable shearing blade for trimming the fore edges of the books, a fixed shearing die and co-operating movable shearing blades for trimming the head and tail edges of the books, means for applying glue to the backs of the books, a conveyor arranged to receive the groups of glued books, and feeding mechanism for advancing the groups of books in succession step by step sequentially to the above recited means.

2,189,930
CLUTCH OR THE LIKE
Carl Schürmann, Dusseldorf, Germany, assignor to The Aerogen Company Limited, London, England, a British company
Application June 30, 1939, Serial No. 282,253
In Germany February 4, 1938
5 Claims. (Cl. 192—44)



1. A roller clutch for driving and driven members, comprising lateral guide members on one of said driving and driven members, clamping rollers confined between the driving and driven members in a groove between the lateral guide members, and a lever-like spring for each roller fulcrumed between the lateral guide members and controlling the rollers, each spring being in the form of a frame hinged to form a double-armed twin lever.

2,189,931
GRINDING MACHINE
Everard Stubbs, Springfield, Vt., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 27, 1939, Serial No. 253,152
9 Claims. (Cl. 51—101)

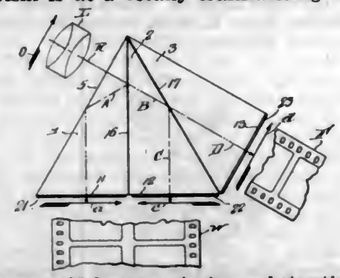


1. A grinding machine having a rotatable transversely movable grinding wheel, means to feed said grinding wheel transversely, a longitudinally movable table, a rotatable work support thereon including independent transversely movable headstock and footstock centers, and means including a cam and a follower synchronously to move said centers transversely toward and from the grinding wheel to grind a predetermined contour on the work piece.

2,189,932
LIGHT DIVIDING DEVICE
Joseph A. Ball and Wadsworth E. Pohl, Hollywood, Calif., assignors to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application January 16, 1936, Serial No. 59,360
3 Claims. (Cl. 88—1)

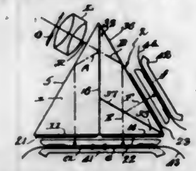
1. A light dividing system of the type employing partly transmitting and partly reflecting surfaces

for dividing an image carrying light beam into component beams concomitantly forming several images from the said beam, comprising a prism having a perpendicular section defining a triangle, a first transmitting-reflecting surface dividing one angle of said triangle, a free surface forming the incident side of said angle and being at a totally transmitting angle to said beam and a second transmitting-reflecting surface forming the other side of said angle, and a second prism contacting said second transmitting reflecting surface with one face, whereas a second face of said prism is at a totally transmitting angle to



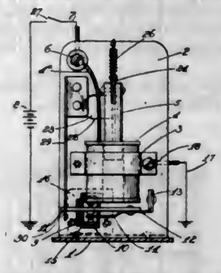
said beam, said beam entering substantially unreflected through said free surface being divided at said first transmitting-reflecting surface, the component beam reflected from the first transmitting-reflecting surface being totally reflected at said free surface and the component beam transmitted by said first transmitting-reflecting surface being divided at said second transmitting-reflecting surface the beam reflected on said second transmitting-reflecting surface being directed to the remaining side of said triangle, and the beam transmitted through said second transmitting-reflecting surface being directed to said second face of the second prism.

2,189,933
LIGHT DIVIDING DEVICE
Joseph A. Ball and Wadsworth E. Pohl, Hollywood, Calif., assignors to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Original application January 16, 1936, Serial No. 59,360. Divided and this application March 23, 1939, Serial No. 263,720
6 Claims. (Cl. 88—1)



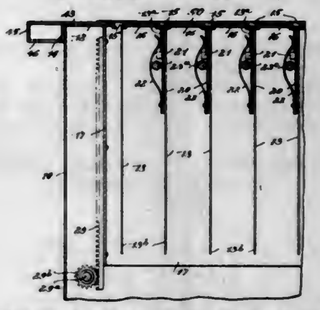
1. A light dividing system of the type employing partly transmitting and partly reflecting surfaces for dividing an image carrying light beam into component beams concomitantly forming several images from said beam, comprising a prism having a perpendicular section defining a triangle, a transmitting-reflecting surface dividing one angle of said triangle, a free surface forming the incident side of said angle and being at a totally transmitting angle to said beam, and a second transmitting-reflecting surface dividing a second angle of said triangle and extending from said second angle towards said first transmitting-reflecting surface, said beam entering substantially unreflected through said free surface being divided at said first transmitting-reflecting surface, the component beams being reflected at the two free surfaces forming said first angle, one of said reflected beams being divided at said second transmitting-reflecting surface into two component beams directed to the surfaces forming said second angle, and the other reflected beam being directed to the third free surface.

2,189,934
ELECTROMAGNETIC MECHANISM
Eric E. Bilgart, Oak Park, Ill.
Application April 7, 1939, Serial No. 266,633
3 Claims. (Cl. 177—324)



1. The combination with a movable member and a sound producing device, of an electro-magnetic coil having a movable core operatively connected to the movable member and said sound producing device including an armature, said core being normally disposed at one end of the coil and being movable toward the other end when the coil is energized, a make and break device in circuit with the coil and having a portion connected to the movable armature for actuation thereby, the armature being disposed adjacent said other end of the coil and the approach of the core serving to concentrate the magnetic field sufficiently for effective actuation of the armature and its connected sound producing device.

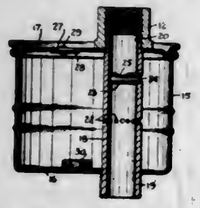
2,189,935
TABULATING MACHINE
Frederick C. Blomfield, Coldwater, and Magnus H. Johanson, Rochester, N. Y.; said Johanson assignor to said Blomfield
Application May 24, 1938, Serial No. 209,800
13 Claims. (Cl. 281—1)



7. A frame having a plurality of spaced adjacently disposed supporting members each for a sheet adapted to have one end portion placed thereon with the opposite end portion depending therefrom, a carriage movable beneath the frame, parts on the carriage for engaging the first mentioned end portion of each of the sheets, and means for operating the carriage to simultaneously move said parts to move the sheets on

said supporting members, said means being operable to effect a step by step movement of the carriage to successively advance the sheets to position different predetermined portions of each on the supporting member corresponding thereto so as to present said different predetermined portions of the sheets to view in juxtaposition one relative to another.

2,189,936
MIXER FOR DELIQUESCENT BATH SPRAY TABLETS
Samuel Brandfon, New York, N. Y., assignor to Pep Shower Manufacturing Co., New York, N. Y., a copartnership consisting of Isidor Albrecht, Herman Bauman, and Samuel Brandfon
Application September 9, 1938, Serial No. 229,182
3 Claims. (Cl. 299—84)



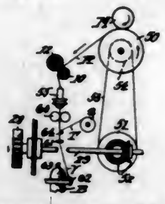
1. A mixer for deliquescent tablets for bath sprays, comprising a container, a tube fixed longitudinally in said container to extend therethrough, its upper end connected with a supply pipe and its lower end with a spray head, said tube having a plurality of perforations in the enclosed lower portion, a duct set transversely in said tube, said duct having an orifice in its wall, a cover for said container having a passageway through which a tablet may be passed, resilient means to normally close said passageway and means on said tube to clamp said cover on said container.

2,189,937
DEEP WELL APPARATUS
Otis T. Broyles, Los Angeles, Calif.
Application August 22, 1938, Serial No. 226,012
13 Claims. (Cl. 166—13)



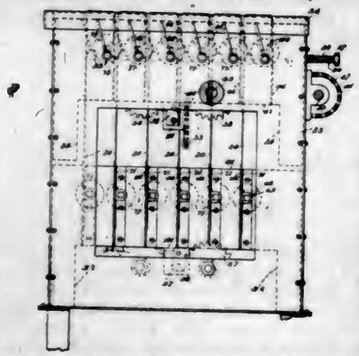
1. In a tool setting device, the combination of: a tool to be set in a well by force exerted upon the tool when lowered to a desired location; means for lowering said tool into said well; means detachably securing said tool to said lowering means; power means on said lowering means for setting said tool; and means responsive to operation of said power means for detaching said tool from said lowering means.

2,189,938
MECHANISM FOR MAKING IRREGULAR YARN
Frank H. Bussiere, Millbury, Mass., assignor of one-half to Mayo Woolen Mills, Inc., Millbury, Mass., a corporation of Massachusetts
Application June 6, 1938, Serial No. 212,090
5 Claims. (Cl. 57—38)



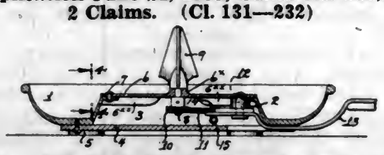
1. In a mechanism for making irregular yarn, in combination, a feed roll, a rotatable clutch member, driving connections between said clutch member and said feed roll, a second clutch member rotatable and slidable in alignment with said first clutch member, means to rotate said second clutch member continuously, a segmental cam mounted on said second clutch member, a fixed device mounted in position for engagement with said segmental cam and effective when thus engaged to move said second clutch member axially into driving engagement with said first clutch member, and means to normally and yieldingly separate said two clutch members.

2,189,939
TABULATING MACHINE
Benjamin D. Chamberlin, Rochester, N. Y., assignor to Frederick C. Blomfield, Coldwater, N. Y.
Application June 10, 1939, Serial No. 278,518
20 Claims. (Cl. 281—1)



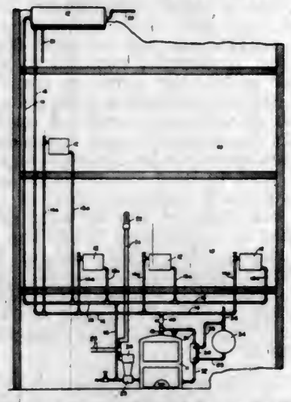
5. In a machine of the class described, a series of spaced adjacently disposed stationary surfaces for supporting data bearing sheets, a movable carriage having means for releasably engaging one end of each of the sheets, a second movable carriage having means for releasably engaging the other ends of the sheets, and means for moving said carriages to position successively predetermined portions of the sheets on said stationary surfaces.

2,189,940
ASHTRAY FOR SMOKERS
Irwin E. Cohn, New York, N. Y.
Application June 21, 1939, Serial No. 280,288
2 Claims. (Cl. 131—232)



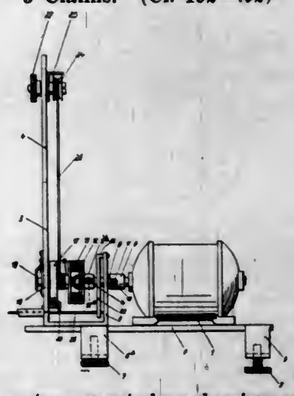
1. An ash tray for smokers having a ring-shaped peripheral area with an upwardly flaring outer wall and an upwardly flaring inner wall, a horizontal top plate for the inner wall, a chamber being provided within the inner wall, the chamber being covered by said top plate, a shaft extended through said top plate, a reamer carried by the upper end of said shaft, a pinion carried by the lower end of said shaft below the plate, a segment engaging the pinion, a pivot stud for said segment, a lever connected to the segment and extending from below the peripheral area of the tray to a point laterally thereof, a thumb piece fixed to the tray in spaced relationship to the projecting end of the lever, and spring tension means applied to the lever.

2,189,941
OPEN TANK HEATING SYSTEM WITH FLOW CONTROL
Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application September 2, 1938, Serial No. 228,087
1 Claim. (Cl. 237—63)



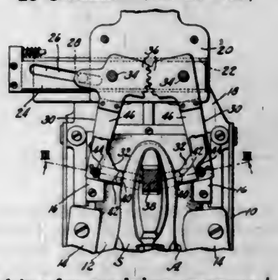
A heating system, comprising a boiler for generating hot water, a water circulation system operatively associated with said boiler and including a vertically disposed boiler outflow main, a supply main served by said outflow main for conducting heated water to radiator means, and a return main for conducting cooled water from said radiator means to said boiler; an open expansion tank in operative association with said circulation system and disposed at a high point of said heating system; normally closed valve means disposed in said vertically arranged outflow main to afford a substantially rectilinear path of upward flow of water through said outflow main and said valve, said valve means including valve seat means inclined upwardly in the direction of water flow and disposed transversely of said upward flow of water through said valve and freely swingable weighted valve disc means pivotally mounted adjacent a low point of said valve seat means; pump means operatively associated with said water circulation system for positively moving said valve disc means from its normally closed position to a substantially fully open position substantially parallel to the path of water flow through said valve; and thermostat means responsive to heat emission from said radiator means for controlling the periods of operation of said pump means.

2,189,942
MOTOR DRIVEN CARRIAGE RETURN MECHANISM FOR TYPEWRITERS
Fritz Eibert, Dresden, Germany
Application April 25, 1936, Serial No. 76,461
In Germany April 26, 1935
3 Claims. (Cl. 192—.02)



1. In a motor-operated mechanism of the type described, in combination with the electric motor and its shaft, a disk secured to said shaft and having fastened thereon near its periphery spaced elastic friction elements adapted to be deformed upon pressure being applied thereagainst, a second disk loosely mounted on said shaft, a drum connected to said second disk, and means for displacing said first disk into contact with said second disk causing deformation of the friction elements on said first disk, whereby the torque of said motor is gradually transmitted to said second disk and said drum.

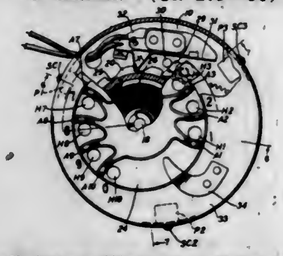
2,189,943
MACHINE FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS
Elwin R. Everett, Conklin, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 10, 1939, Serial No. 267,020
13 Claims. (Cl. 12—33)



1. A machine for applying pressure to shoe bot-

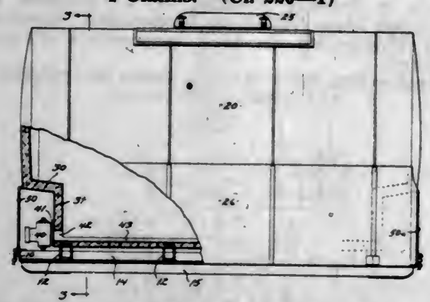
toms having, in combination, a pad provided with a yieldable surface for receiving a sole and shoe, means for effecting relative movement of said surface and the sole and shoe to cause the sole and shoe to sink into said surface, and means for positioning the sole on said surface, before the shoe is mounted on the sole, said means being constructed and arranged to bend and move into said yieldable surface with the sole and shoe when they are pressed into said surface.

2,189,944
TELEPHONE CALL TRANSMITTER
Joseph C. Field, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1937, Serial No. 168,188
3 Claims. (Cl. 179—90)



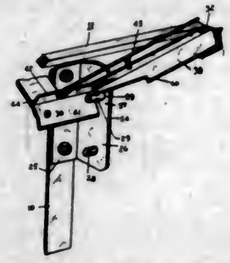
1. A call transmitter comprising a mounting plate, a spindle secured to said mounting plate, a pulsing cam mounted for rotating movement on said spindle, said cam having ratchet-shaped teeth, a finger-wheel rotatably mounted on said spindle and movable thereon in directions opposite to each other, means carried by said finger-wheel engaging the teeth of said cam but ineffective therewith for rotating said cam upon the operation of said finger-wheel in one of said directions and effective in the other of said directions for rotating said cam, and a pulsing spring actuated by the operation of the last-mentioned cam in said direction.

2,189,945
DEMOUNTABLE TANK BODY
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals, Inc., Cleveland, Ohio, a corporation of Ohio
Original application July 28, 1936, Serial No. 92,984. Divided and this application April 12, 1937, Serial No. 136,349
4 Claims. (Cl. 220—1)



4. A tank body having a pocket formed therein adjacent the bottom at one end thereof, a discharge passage in the tank wall communicating with the interior of the tank and said pocket, the side walls of said tank curving downwardly and inwardly to join the bottom of the tank, a supporting frame for said body, side and end skirts extending upwardly from the frame to the side and end walls of the tank and including movable skirt sections which form a closure for said pocket.

2,189,946
COUCH BED
Townsend Foster, New Hartford, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a corporation of New York
Application February 1, 1938, Serial No. 188,124
7 Claims. (Cl. 5—38)



1. In a couch bed the combination of a relatively fixed bed section adapted to form the seat of a couch and having at its rear side near its corners two oppositely positioned rearwardly-extending brackets having a pin projecting from each one of the two brackets towards the other bracket and forming with the brackets and the adjacent rear portion of the fixed bed section two sockets, open at their top and open at their ends that face each other and a movable bed section having a rigid rectangular frame including end rails and front and rear side rails and a bed surface carried by said frame and adapted when in upright position to form the back of the couch, the opposite front corners of the frame of the movable section being shaped to removably fit down into said two open-topped sockets with the front of said movable section positioned immediately to the rear of the fixed bed section, and to hold the movable section in upright couch-back position, each of said end rails being cut away at the forward end along the edge that is at the rear when the movable section is raised, the upper end of said cut forming a downwardly-facing shoulder when the section is raised which shoulder engages the pin on the bracket to stop downward movement of the movable section when it has come to desired upright position.

2,189,947
STERILIZATION PROCESS
Carroll L. Griffith and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application May 27, 1937, Serial No. 145,154
4 Claims. (Cl. 99—225)

3. A process of sterilizing which comprises heating solid normally dry material to be sterilized for at least an hour at a temperature not below 110° F., evacuating the so heated material in a vacuum chamber by the application of a high vacuum whereby moisture and removable gases are taken from the material to render it and the surfaces thereof receptive of sterilizing gas, then subjecting the dry heated evacuated material for at least two hours to the action of substantially undiluted ethylene oxide gas at a concentration of not less than ¾ lb. of gas per 35 cu. ft. of chamber space.

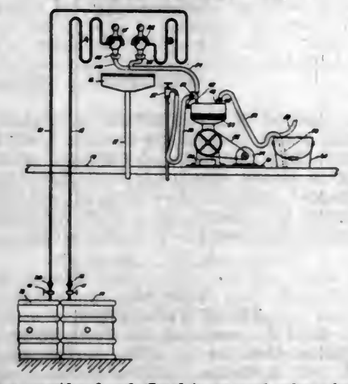
2,189,948
STERILIZATION OF PANCREATIN
Carroll L. Griffith and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application October 31, 1938, Serial No. 238,080
6 Claims. (Cl. 195—65)

4. The method of treating pancreatin to reduce the bacterial and mold count thereof and preserve activity therein, which comprises treating the pancreatin at a temperature from 110° F. to 130° F. to a high vacuum for about 1 hour to activate the material and render it receptive of sterilizing gas, and subjecting the evacuated material to the action of an atmosphere of substantially undiluted ethylene oxide gas at a concentration of at least 1 lb. per 35 cu. ft. of vault space at a temperature range of 90° F. to 130° F. for a time period of 3½ hours to 1 hour.

2,189,949
STERILIZING COLLOID MATERIALS
Carroll L. Griffith and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application October 31, 1938, Serial No. 238,081
1 Claim. (Cl. 21—58)

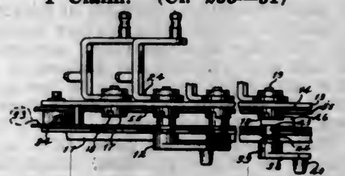
The method of sterilizing normally dry water-dispersible colloid materials with retention of a useful viscosity, gelling, or water-absorption characteristic which comprises subjecting the dry material at a temperature from 110° F. to 115° F. to a high vacuum for at least an hour whereby to remove moisture and removable gases in activation of the material, and then subjecting said material at 110° F. to 115° F. to substantially undiluted ethylene oxide gas at a vault concentration of at least 1 lb. per 35 cu. ft. for a period of from 3 to 2½ hours, the shorter time for the higher temperature, and the longer time for the lower temperature.

2,189,950
COIL CLEANING METHOD
George M. Gump, Cincinnati, Ohio
Application November 5, 1938, Serial No. 239,090
2 Claims. (Cl. 225—12)



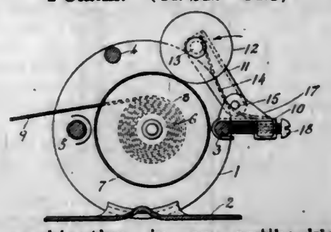
1. The method of flushing and cleaning beer dispensing coil systems and their faucets, which method comprises the steps of connecting one end of the coil system to a fresh water supply and pumping water therefrom through the system to initially flush it, then draining the system of the flush water, then connecting the ends of the coil system to furnish a closed circuit, and injecting and circulating a chemical cleaner within the system, then draining the system of the chemical cleaner, and thereafter filling the system with rinse water and circulating said rinse water through the system with the aid of air under pressure delivered thereinto in sharp and sudden high-speed pulsations for breaking up the column of water in the system at infinitesimally small intervals, thereby to impart a scouring effect to the frothy admixture of water and air in the system, and thereafter draining the system.

2,189,951
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware
Application June 5, 1937, Serial No. 146,642
1 Claim. (Cl. 235—51)



In a voting machine, a front plate, said plate having an opening, a stud located to the rear of said plate and adjacent said opening, said stud being connected with an interlocking and registering mechanism of said machine, a button on said plate, said button having a portion projecting through said opening and being engageable with said stud when said stud is in non-actuated position, and means adapted to secure said button against rotation and disengagement from said stud.

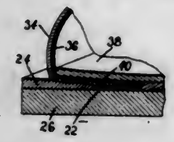
2,189,952
ANTIBACKLASH ATTACHMENT FOR FISHING REELS
Albert E. Guy, Mount Vernon, N. Y.
Application November 18, 1938, Serial No. 241,254
1 Claim. (Cl. 242—84.5)



The combination in an antibacklash attachment for a fishing reel, of a clamping device fixedly, but adjustably, attached to a part of the framework of the reel, of an oscillating arm pivoted at one end on said clamping device, of a roller rotated by contact with the rim of the spool, said roller being mounted fixedly upon a spindle received in bearings provided at the other end of said arm, of a spring blade pressing at one end upon the clamping device, at the other end upon the body of said roller spindle in such a direction as to maintain said roller against

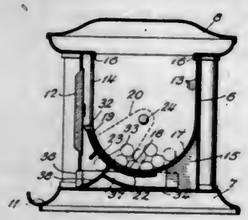
the rim of said spool, and at an intermediate part upon the pivot pin of said arm, all substantially as described.

2,189,953
METHOD OF MAKING SHOES
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application December 30, 1935, Serial No. 56,693. Divided and this application September 28, 1937, Serial No. 166,235
1 Claim. (Cl. 12—142)



That improvement in methods of making shoes which consists in providing leather welting with a thick, inwardly tapering outer portion having a grain face and a thin inner portion of uniform thickness, attaching the welting to the peripheral portion of an outsole with its grain face uppermost and with its thick edge flush with the edge of the outsole, lasting an upper over an insole, securing it in lasted position, roughening the overlasted portion of the upper, roughening the inner portion of the grain face of the welting, cementing the portion of the welting which is to be covered by the upper including the roughened portion, and cement-attaching the thin portion and the roughened portion of the welting to the overlasted portion of the upper with the inner edge of the welting substantially flush with the inner edge of the upper.

2,189,954
CIGARETTE DISPENSER
Adolf Huesing, Passaic, N. J.
Application June 22, 1939, Serial No. 280,452
5 Claims. (Cl. 312—84)



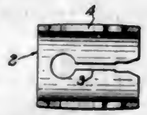
2. In a cigarette dispenser, a casing, an article hopper therein and having an opening in its bottom through which articles are adapted to be discharged, an ejector element rockingly supported relative to said hopper and having a discharge outlet normally closed by the bottom of said hopper, means to move said ejector in one direction to register said outlet and opening whereby the former will receive an article from said hopper, and means cooperating with said ejector element to guide and discharge said article from said casing upon movement of said element in another direction.

2,189,955
TRANSPARENT CONTAINER
Lynde D. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York
Application September 27, 1937, Serial No. 165,967
2 Claims. (Cl. 229—3.5)



1. In an article of the class described, a corner structure including sheets of flexible non-metallic plastic material disposed in planes substantially perpendicular to each other, and a reinforcing and joining member consisting substantially of a rod of approximately the same material as the sheets and having substantially the same coefficient of expansion and integrally united with and connecting the adjacent edges of said sheets and spacing the same from each other and presenting substantially the appearance of a solid one-piece structure and extending transversely interiorly and exteriorly of the corner structure.

2,189,956
COASTER BRAKE AND METHOD OF MAKING SAME
Stanley B. Kurzina, Jr., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 15, 1937, Serial No. 142,872
6 Claims. (Cl. 29—152.1)

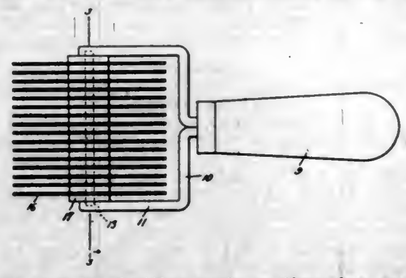


4. A method of manufacture of expansible cylindrical brake sleeves for coaster brakes or the like including the steps of forming longitudinal slots in a sleeve extending inwardly from each end thereof, wedging the ends of the slots open to expand the sleeve, and then machining the exterior of the sleeve to a true cylinder.

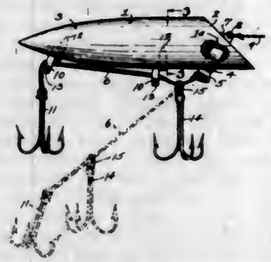
2,189,957
MEAT TENDERER
Carl E. Lundblad, St. Paul, Minn.
Application October 5, 1938, Serial No. 233,511
1 Claim. (Cl. 17—29)

A meat tenderer comprising a shaft support formed of a pair of duplicate members, each

member including the segment of a longitudinally split stem, a rivet loosely securing one end of each of the segments flatwise to the corresponding end of the other, a handle threadedly receiving the segments, the free ends of the segments at their abutting surfaces diverging, spaced parallel extensions on the members having shaft-accommodating sockets therein and adapted to clamp the ends of the shaft between the extensions, and a plurality of tendering members rotatably mounted on the shaft.



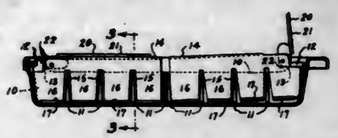
2,189,958
FISH LURE
Austin O. Middlemiss, Portland, Oreg.
Application November 7, 1938, Serial No. 239,264
8 Claims. (Cl. 43—46)



1. A fishing lure comprising an elongated body member having a transverse slot formed therein, a link member fixed in said slot, having an enlargement at one end and a bent-over tab at the other end of said link, one end of said link member being provided with a fishing line connection, a leader attached to said link member at the end thereof opposite said fishing line connection, said leader being adapted to carry a fishhook at its free end, and a fastener driven into said body for releasably engaging said leader intermediate its ends thereby to hold said leader closely alongside said body.

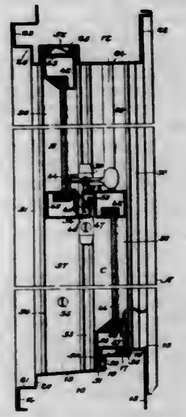
2,189,959
ICE CUBE TRAY GRID
Roland H. Money and Homer Jones, Cincinnati, Ohio, assignors to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application October 11, 1937, Serial No. 168,326
2 Claims. (Cl. 62—108.5)

1. In combination with an ice cube tray, a grid comprising a divider and fins, said grid being of a length which is an aliquot part of the length of said tray, and a member separate from said grid and straddling said divider, and having legs entering between adjacent fins, the bottoms of said legs being turned outwardly from said divider, and means pivotally mounted on said member and having an eccentric portion to cooperate with said divider for producing



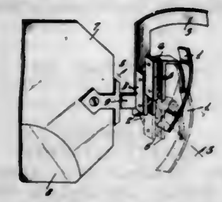
relative movement between said grid and said member.

2,189,960
METAL WINDOW
John Russell Montgomery, Youngstown, and Walter F. Schulz and Donald Keith Macleod, Shaker Heights, Ohio, assignors to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application August 12, 1938, Serial No. 224,644
1 Claim. (Cl. 189—65)



In a window, a frame including a sill having a substantially horizontal wall and a substantially vertical, outwardly facing wall extending downwardly from said substantially horizontal wall, a sash slidable in said frame and including a bottom rail having a depending flange at the outer side thereof to overlap said substantially vertical wall when the sash is closed, said flange having an inwardly directed bottom portion, a rib depending from an inner portion of said rail, the outer face of said rib being inclined downwardly and outwardly, and a weatherstrip of substantially inverted L-shape in cross section including a top flange seated against the bottom of said bottom rail and engaged at its inner end against the outer face of said rib and an outer substantially vertical flange disposed inwardly of said bottom rail flange and engaged at its lower end against the inwardly directed bottom portion of said bottom rail flange whereby it is retained in assembly with said bottom rail, said weatherstrip having a flexible free marginal portion extending from the rear end of the top flange thereof forwardly beneath said top flange for engagement with the substantially horizontal wall of the sill when the sash is closed, and further having a flexible free marginal portion extending from the lower end of the substantially vertical flange thereof upwardly and inwardly relative to said substantially vertical flange for engagement with the substantially vertical wall of the sill when the sash is closed.

2,189,961
ADJUSTABLE NOSE PAD MOUNTING FOR RAISING AND LOWERING BIFOCAL LENSES
Louis John Page, Hollis, N. Y.
Application March 15, 1938, Serial No. 195,933
7 Claims. (Cl. 88—49)



1. In an ophthalmic frame or mounting, a bridge, means for attaching lenses to said bridge, nose pads, means for attaching said nose pads to said bridge, said attaching means comprising an arm composed of two bars, the ends of said bars mounted pivotally between two sets of plates forming a parallelogram, one set of said plates being attached to said bridge in a manner that the plane of the parallelogram is vertical and substantially perpendicular to the plane of the bridge, the opposite set of plates having a projection fitted to the nose pad, said nose pad releasably secured in position by friction of the bars against the plates and limited in swing by the contacting of the opposed plates, said nose pad axis maintaining same angular relationship to plane of glasses in various positions.

2,189,962
LAND LEVELER
James Mackenzie Rae and Simon Frederick Scott, Medicine Hat, Alberta, Canada; said Rae assignor to Annie Ellen Alberta Wallace Rae, Medicine Hat, Alberta, Canada
Application January 26, 1939, Serial No. 252,968
In Canada January 29, 1938
3 Claims. (Cl. 37—146)



1. A land leveler comprising a frame including two longitudinal members, an arm pivoted on the frame inwardly of each member, a scraper positioned between the members at right angles thereto and supported by the arms, a second arm pivoted at each side of the frame, a shoe adapted to follow the elevation of the ground joining said second arms and being in front of the scraper, a lever pivotally mounted on each longitudinal member at a point between the shoe and the scraper, a link pivotally connected to one end of each lever and pivotally connected to the scraper, a second link pivotally connected at each end of the shoe and cooperating means for providing adjustable pivotal engagement between said second link and the lever.

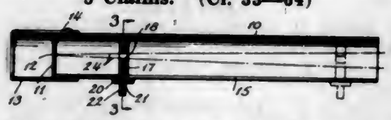
2,189,963
MEANS FOR ATTACHING CLIPS TO PENS, ETC.
Arthur W. Schoneberger, Cincinnati, Ohio
Application July 28, 1937, Serial No. 156,151
4 Claims. (Cl. 24—11)

2. The combination with a body having a plurality of spaced pockets each of which pockets comprises a wall susceptible to partial penetration by a sharp object, of a clip comprising a resilient body portion extending across the pockets, and a plurality of spaced flanges, one for each pocket, extending from the body portion of the clip in a substantially common direction of extension, the spacing between said flanges being



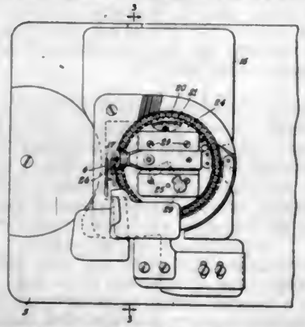
unlike the spacing between the pockets so as to require flexing of the body portion to enable insertion of the flanges into their respective pockets, and a reversely directed anchor means on each flange, having a sharp edge extending in the general direction of the body portion of the clip and toward those walls of the pockets which bear the force imposed by the flanges under strain as aforesaid.

2,189,964
RANGE FINDER
David A. Sealey, East Orange, N. J.
Application April 25, 1938, Serial No. 204,060
5 Claims. (Cl. 33—64)



5. In a range finder, a tube having a sight opening therein and provided with a longitudinal slot, distance graduations along one edge of said slot, a diaphragm movable along said tube and supporting an object-obscuring member in alignment with said opening, said diaphragm being movable along said tube to positions wherein said member will obscure a distant object and thereby determine the visual angle between said opening and said object, and a handle for said diaphragm extending through said slot and having a pointer cooperating with said graduations.

2,189,965
OPERATING MEANS FOR PINKING DEVICES
Victor J. Sigoda, Brooklyn, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application July 26, 1938, Serial No. 221,289
12 Claims. (Cl. 112—124)



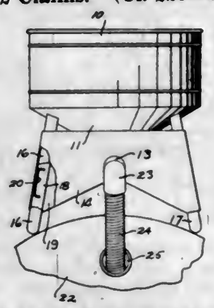
1. In combination with a sewing machine table and a power operated part, and a fabric trimming attachment having a base secured upon said table and a rotary trimming member; means for operating said trimming member including a member, independent of said attachment, directly supported by the table for reciprocating movement in a plane substantially parallel therewith, and means establishing an operative connection between said member and said power operated part.

2,189,966
METHOD AND APPARATUS FOR MAKING ELASTIC BANDS
Abraham N. Spánel, Rochester, N. Y.
Application March 20, 1937, Serial No. 132,156
9 Claims. (Cl. 18—41)



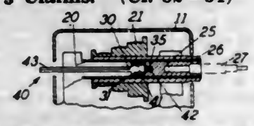
1. A form, comprising a body portion on which an endless layer of rubber may be deposited, one end of said body portion terminating in an abrupt overhanging shoulder, the other end thereof terminating in an abrupt edge, said body portion having a peripheral reinforcement-generating groove therein, one side thereof merging into said abrupt edge.

2,189,967
DRUM END FILLING FUNNEL
Verner E. Sprouse, Indianapolis, Ind., assignor to V. E. Sprouse Company, Indianapolis, Ind.
Application November 4, 1938, Serial No. 238,799
2 Claims. (Cl. 226—31)



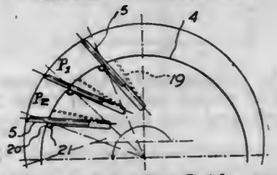
1. In a funnel, a fluid receiving vessel having a discharge opening in its lower portion, a base formed of spaced apart legs tied together by braces remote from their lower ends, a fluid conductor connected to said vessel about said opening and extending from under the vessel to one side, said conductor being supported by one of said braces, and a flexible conductor connected to the outer end of said fluid conductor.

2,189,968
ATTACHMENT FOR LATHES
Walter A. Stone, Endwell, N. Y.
Application July 6, 1938, Serial No. 217,809
3 Claims. (Cl. 82—34)



1. A stop for positioning in the feed tube of a work holding machine comprising a member provided at one end with work engaging means and at its other end with a recessed portion provided with a threaded cup at its inner extremity, a plurality of resilient members forming the sides of said recessed portion, means to expand said members into relatively tight frictional engagement with the bore of said feed tube and retain the same in said engagement, said last mentioned means comprising a member provided with a threaded portion engaging said cup, a conical portion serving to expand said resilient members as said threaded portion is screwed into said cup.

2,189,969
FLUID PRESSURE PUMP OF THERMIC-DYNAMICAL ACTION
Emilio Taglio, Rio de Janeiro, Brazil, assignor of one-half to Frederico Surdi, Rio de Janeiro, Brazil
Application November 2, 1937, Serial No. 172,338
In Brazil November 14, 1936
7 Claims. (Cl. 230—152)



1. A pressure pump for fluids, comprising a casing, inlet and outlet ports therein, a rotor mounted in off-center relation within the casing, slots formed in the rotor, slidable blades mounted in the slots, means for the axial sealing of the rotor and blades, a rod engaging each blade, a wall formed in each slot and engaging said rod, the wall being so formed that outward movement of the rod due to centrifugal force moves the rod into close contact with the blade to retard outward movement of the blade under centrifugal force and to prevent tilting of the blade within its slot and to compensate for wear of the blade and slot.

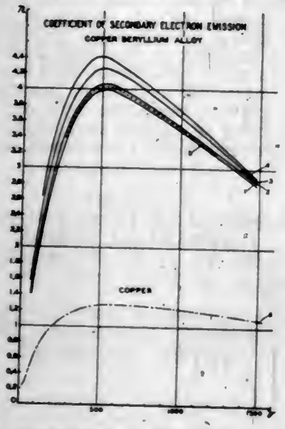
2,189,970
METHOD OF MAKING GLASS TO METAL SEALS
Stanton Umbreit, West Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application October 30, 1937, Serial No. 172,055
2 Claims. (Cl. 49—81)

2. The method of sealing a glass with a predetermined coefficient of expansion to a preformed metal body of an alloy of iron, nickel, and cobalt, comprising working the alloy to form said body, heating said body in the presence of carbonaceous gas to introduce more than .05% carbon into said alloy, removing the carbon on the surface of said body, and placing said glass in contact with said body and heating to sealing temperature.

2,189,971
SECONDARY ELECTRON EMITTING ELECTRODE
Robert Warnecke, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application October 15, 1937, Serial No. 169,172
In France October 23, 1936
2 Claims. (Cl. 250—174)

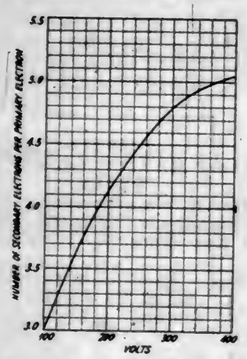
1. A secondary electron emitting electrode for

electron multipliers and the like having a surface composed of an alloy of which the secondary electron emissivity is several times that of cop-



per and is substantially independent of temperature and which consists of from 1% to 10% of beryllium and the balance of copper.

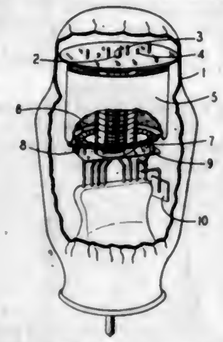
2,189,972
SECONDARY ELECTRON EMITTER
Robert Warnecke and André Briot, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application April 19, 1939, Serial No. 268,734
In France April 22, 1938
4 Claims. (Cl. 250—174)



4. A secondary electron emitting electrode composed of an alloy consisting of a base constituting at least 90% of the alloy and composed of aluminum and beryllium and containing at least twice as much aluminum as beryllium, and added metals consisting of silicon and iron, the silicon constituting at least half of the added metals.

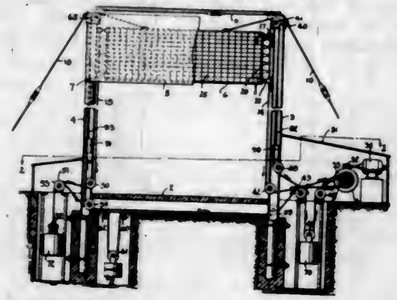
2,189,973
ELECTRON DISCHARGE DEVICE
Hajo Bruining, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 17, 1938, Serial No. 196,341
In the Netherlands April 13, 1937
1 Claim. (Cl. 250—177)

A thermionic electron discharge device for operating solely by thermionic emission comprising a thermionic cathode constituting the sole source of electron emission during normal operation, and a cold anode electrode having the surface facing



said thermionic cathode covered by a layer of pure lithium of sufficient thickness to make the coefficient of secondary electron emission from said surface the same as that of pure lithium.

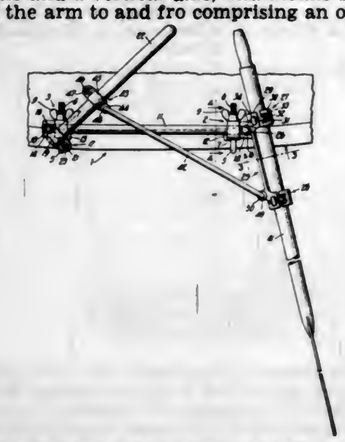
2,189,974
HIGHWAY GATE
William J. Buford, Houston, Tex.
Application May 15, 1937, Serial No. 142,757
6 Claims. (Cl. 39—1)



1. A gate of the character described comprising in combination a gate member, cable members connected to said gate at each end, support posts, means thereon to guide said cables, a drum about which said cables are directed, motor means to rotate said drum to either wind or unwind said cables whereby said gate is raised or lowered, weight members supported by said cables and movable upon impact which tends to move said gate laterally.

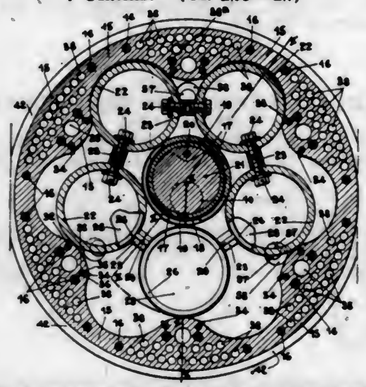
2,189,975
OAR OPERATING MECHANISM
Conrad Carlson, Brooklyn, N. Y.
Application December 8, 1937, Serial No. 178,631
9 Claims. (Cl. 9—25)

1. In a rowing unit in combination, a rigid oar carrying arm comprising a connecting member, semi-circular clamping members integrally connected to the ends of said connecting member, each of said clamping members having an integrally formed bearing sleeve secured thereto, said bearing sleeves being disposed in substantial alignment and on the same side of said connecting member, a pair of clamp jaws adapted to clamp the oar against said clamping members, means for pivotally supporting one of said bearing sleeves for oscillation about both a horizontal axis and a vertical axis, and means for operating the arm to and fro comprising an operating



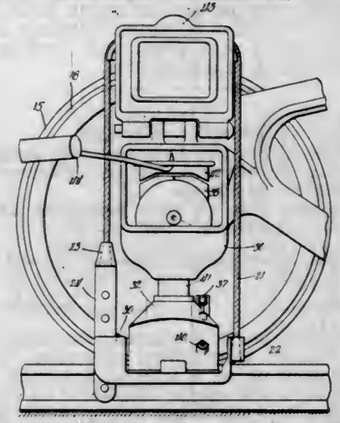
link having an end portion pivotally connected to the other of said bearing sleeves.

2,189,976
ROTARY ENGINE
Dimitri Sensaud de Lavaud, Paris, France
Application January 27, 1938, Serial No. 187,140
In France January 27, 1937
7 Claims. (Cl. 123—12)



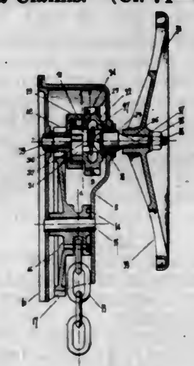
1. In a rotary machine, an inner rotor which is toothed at its periphery, an internally toothed outer rotor meshing with said inner rotor and eccentrically mounted relatively to same, two lateral cheeks secured to said outer rotor and contacting with the lateral faces of said inner rotor so that said outer rotor forms a case, the number of teeth of the outer rotor being one greater than the number of teeth of the inner rotor and the toothings of said rotors being such that all the teeth of the inner rotor are in contact along a generatrix with the teeth of the outer rotor so that the chambers formed between two adjacent teeth of the inner roor are fluid-tight and have a volume which varies with the relative angular positions of the rotors, one of the cheeks of the outer rotor having a first series of ports whereas the other cheek of the outer rotor has a second series of ports, said ports being arranged on the cheeks in such a manner as to be uncovered during certain periods in order to enable, as regards the first series of ports, the intake to be effected in the chambers and, as regards the second series of ports, the exhaust to be effected from said chambers.

2,189,977
RAILWAY CAR JOURNAL HOISTING APPARATUS
August W. Donop, Chicago, Ill., assignor to Portable Plating and Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 8, 1938, Serial No. 223,607
2 Claims. (Cl. 254—34)



2. A stirrup for use in connection with railway car journal hoisting apparatus having a platform for carrying a jack and adapted to be supported by a cable one end of which is secured to one end of said stirrup and a slotted cap integrally formed on the opposite end of said stirrup by which the other end of the cable is secured.

2,189,978
RAILWAY HAND BRAKE
Herbert Jeffrey Dyke, Toronto, Ontario, Canada
Application February 25, 1938, Serial No. 192,527
2 Claims. (Cl. 74—505)



1. In a hand brake operating mechanism for railway cars the combination of a horizontally disposed shaft, a hand wheel on said shaft operable in one direction to set the brakes and in the opposite direction for a limited distance to release the brakes, means for holding the hand brake mechanism in, and releasing it from its brake setting position, comprising a clutch body mounted on said shaft with stops on said shaft and clutch body to limit the rotary movement of one with respect to the other, a spring to hold the clutch body and shaft stops in engagement in the winding up direction, a ratchet wheel

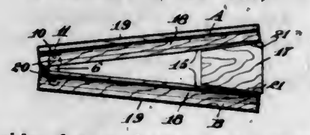
integral with said clutch body, a pawl positioned to engage the ratchet wheel, a spring to hold pawl firmly on the ratchet wheel, slots in the clutch body to hold clutch engaging members, clutch engaging members forming the holding and releasing device, engaging and releasing means on the shaft member for controlling the clutch engaging members, a clutch drum and pinion with notches on the clutch drum to engage with the clutch engaging members, in combination with a gear wheel and winding drum, a shaft, a chain, and a housing.

2,189,979
FISHING TACKLE
Ferdinand E. Fender, Evanston, Ill., assignor to Vaughan Novelty Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois
Application July 15, 1939, Serial No. 284,681
2 Claims. (Cl. 43—28)



1. A fishing leader comprising two shafts capable of relative longitudinal movement with respect to each other, a loop on the outer end of each shaft, a coil spring connected to the inner end of the first shaft and intermediate the ends of the second shaft, and means upon the inner end of the second shaft to restrict the extension of said coil spring.

2,189,980
HOLDER FOR SANDPAPER AND THE LIKE
Albin Forsblade, Pasadena, Calif.
Application August 15, 1939, Serial No. 290,304
4 Claims. (Cl. 51—187)



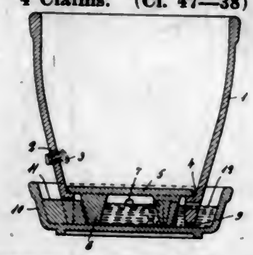
3. A holder for sandpaper and the like comprising a pair of rectangular block members arranged face to face, a hinge connection between said block members at an end thereof on which said members are movable toward and away from each other, means for spreading the free ends of said block members relative to each other on said hinge connection, and means for limiting the spread of said block members.

2,189,981
JACK ELEMENT
Earl G. Gunn, Jackson, Mich., assignor to Walker Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 9, 1938, Serial No. 229,059
2 Claims. (Cl. 254—106)



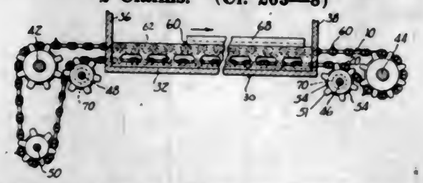
1. A lifting plate for friction type elevating mechanisms, comprising a metallic member having an aperture therethrough, the axial central portion of said aperture having walls lying in the surface of a cylinder whose axis is normal to the plane of said plate, and zones adjacent said cylindrical surface lying in the surfaces of cylinders whose axes are inclined to the axis of said first mentioned cylinder.

2,189,982
FLOWERPOT
Gustaf Haglund, Storangen at Stockholm, Sweden
Application April 23, 1938, Serial No. 203,730
In Germany May 27, 1937
4 Claims. (Cl. 47—38)



1. A flowerpot comprising the combination, with a pot proper, of a porous bottom for said pot, means for exposing said porous bottom to direct contact with a water supply means in order to supply water therethrough to the interior of the pot, and at least one apertured portion disposed in the outer or side wall of said pot a distance above and spaced upwardly from the general level of said bottom and said water supply means with a porous stopper for said apertured portion extending from a limited distance within the wall to the exterior thereof and being capable of transmitting moisture from said interior to the exterior so as to allow examination of the moisture conditions within the pot from the exterior thereof.

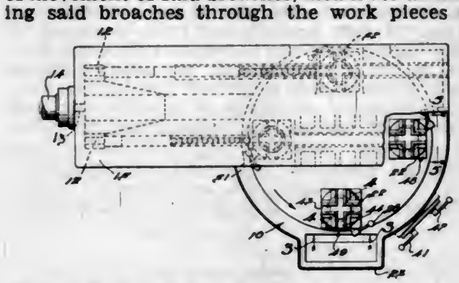
2,189,983
CHAIN CONVEYER FOR HEAT-TREATING FURNACES
Henry H. Harris, Champaign, Ill.
Application October 14, 1937, Serial No. 168,906
2 Claims. (Cl. 263—8)



1. In combination, a tray and means to convey same through a heat treating furnace, which conveying means comprise a pair of aligned and spaced apart trackway members disposed on opposite sides of and extending the length of the furnace, a central supporting member also within the furnace and extending the length thereof substantially midway between the trackways, the tray comprising a plurality of sections hinged together each of which sections is supported by one trackway and the central support, and movable means associated with the trackways for engaging the tray and moving same through the furnace.

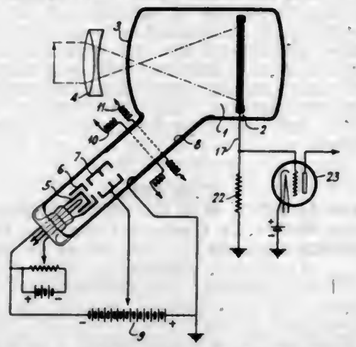
2,189,984
BROACHING MACHINE
William A. Hart, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan
Application September 8, 1936, Serial No. 99,737
11 Claims. (Cl. 90—33)

1. A broaching machine including, in combination, a base, a rotatable table on said base, fixtures on said table for supporting and clamping work pieces, a reciprocable element on said base, a pair of broaches operated by said element, means for advancing two fixtures into the paths of movement of said broaches, means for advancing said broaches through the work pieces on



the two fixtures in the paths thereof, and means thereafter for advancing said work pieces out of said path to permit the return of the broaches to their initial positions, said advancement moving one of the fixtures toward the path of one of the broaches.

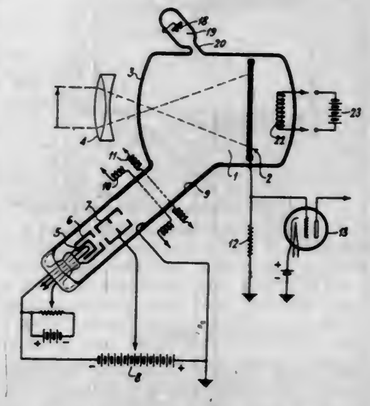
2,189,985
ELECTRODE STRUCTURE
Willard H. Hickok, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 20, 1938, Serial No. 185,795
3 Claims. (Cl. 250—153)



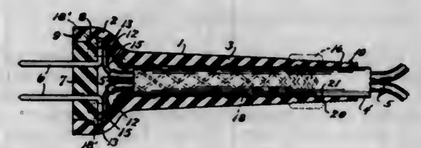
1. A cathode ray television transmitting tube comprising an envelope portions of which are light reflecting having a light transmitting portion concave on its inner surface for the transmission of an optical image, an electrode assembly including a sheet of insulating material having a sand blasted surface exposed to said concave light transmitting portion, a light sensitive structure of mutually separated metallic particles on said surface and an electrically conductive coating on the opposite side of said sheet of insulating material.

2,189,986
METHOD OF MAKING MOSAIC ELECTRODES
Willard Hickok, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 26, 1938, Serial No. 198,209
2 Claims. (Cl. 250—27.5)

1. The method of photosensitizing a mosaic electrode having a plurality of mutually separated metallic particles on an insulating base supported within a cathode ray tube wherein a cathode ray beam for scanning is developed, which comprises depositing a film of alkali metal on said metallic particles and said base, thermally removing a portion of the alkali metal from areas of the base intermediate the particles, projecting an optical image on said mosaic electrode, tracing the developed cathode ray beam across the said particles to produce signals representative of the surface condition of said electrode, liberating oxygen within said envelope and limiting the amount of liberated oxygen to the point of maximum photosensitivity and resolving power of the mosaic electrode in accordance with observations of the signals resulting from said scanning.

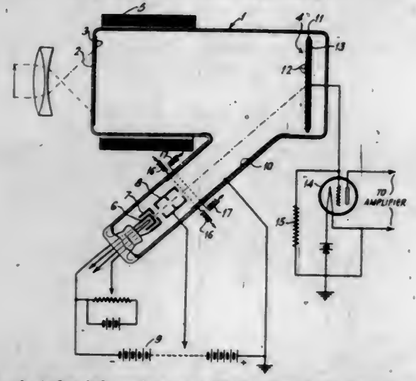


2,189,987
DEFORMATION CONTROL FOR RESILIENT BODIES AND THE LIKE
Edgar E. Kellems, Eugene, Oreg.
Application April 29, 1937, Serial No. 139,775
11 Claims. (Cl. 24—123)



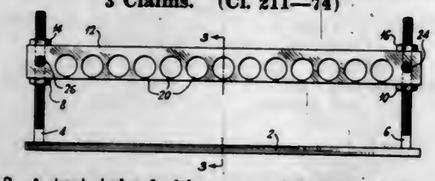
11. A device adapted to be secured by a gripping action to an article, comprising a tubular member of resilient material having normal interior dimensions to enable it to snugly and slidably receive the portion of the article to be gripped, a plurality of flexible but inelastic filaments permanently united to said member and being spirally disposed in opposite directions about the center line of said member so as to form an open meshed structure, said inelastic filaments being arranged to enable them to change their angular positions with respect to said center line, when strain is applied to said member in a direction tending to extend the same longitudinally, so as to resist longitudinal extension of said tubular member and to positively contract the same from its normal condition, whereby a portion of an article positioned in said tubular member is firmly gripped to prevent displacement of the same from such member.

2,189,988
PHOTOELECTRIC DEVICE
Paul S. Lester, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 28, 1937, Serial No. 166,053
3 Claims. (Cl. 250—153)



1. A television transmitting tube including in an evacuated envelope having a transparent window with an etched light diffusing inner surface a photoelectrically sensitive mosaic electrode oppositely disposed from said window, and a photoelectric cathode adjoining said surface and between said mosaic electrode and said surface.

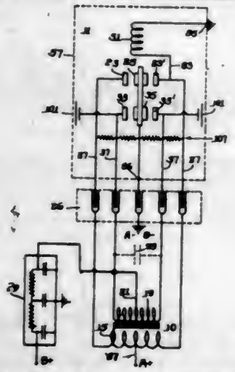
2,189,989
TEST TUBE HOLDER
Sol Sydney Lichtman, New York, N. Y.
Application February 10, 1938, Serial No. 189,805
3 Claims. (Cl. 211—74)



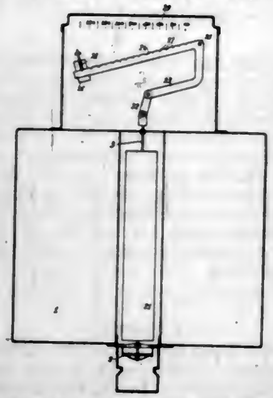
3. A test tube holder comprising a member, a series of aligned holes corresponding in diameter to test tubes of one size to be supported, the holes being made through said member, another series of aligned holes of another size for another series of test tubes made through said member, both said series of holes having their axes at an angle with respect to one another, a base, uprights attached to said base, and means for causing said uprights to support said member in spaced relationship with respect to said base.

2,189,990
ELECTRICAL SYSTEM
Lloyd P. Morris, Chicago, Ill., assignor, by mesne assignments, to William C. Grunow, Chicago, Ill.
Application January 15, 1935, Serial No. 1,910
7 Claims. (Cl. 171—97)

7. In combination, a sheet-metal frame comprising spaced side walls and an intermediate bottom wall, a transformer element comprising inductively coupled primary and secondary coils secured between said spaced side walls at one end of said frame, means for delivering unidirectional current alternately in opposite directions through said primary coil comprising a pair of primary contacts connected respectively to the ends of said primary coil and a primary switching contact adapted alternately to engage said primary contacts, means for connecting said primary switching contact and an intermediate portion of said primary coil with a source of direct current whereby to induce alternating current in the secondary coil, secondary forming means whereby said secondary coil may be connected to supply current in an external electrical system, and means for eliminating high-frequency modulations in the voltage induced in said secondary coil comprising condenser plates electrically connected one at each of the opposed ends of said secondary coil, said plates being mounted each on one of said spaced side walls, a dielectric layer interposed between each of said condenser plates and the side wall on which it is mounted, and a clip for each condenser plate comprising a portion overlying the plate and portions interlocking with the frame to secure the plate and the dielectric layer in place on the frame.

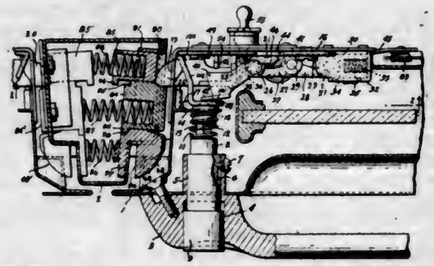


2,189,991
APPARATUS FOR CLOSING TANKS
Jacques Muller, La Garenne Colombes, France
Application August 13, 1936, Serial No. 95,941
In France August 30, 1935
1 Claim. (Cl. 137—68)



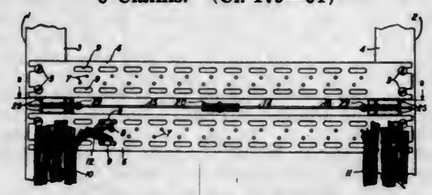
An apparatus for controlling the level of liquid in a reservoir, comprising a reservoir having a liquid supply opening in one wall thereof, a valve seat in said opening, a valve associated with said seat, a rod extending vertically through said reservoir and axially through said valve seat, said valve being carried by the lower end of said rod, an elongated vertical float carried by said rod within said reservoir, a cage surrounding said float in said reservoir, a lever pivotally mounted on a horizontal axis, means connecting the upper end of said rod to said lever to transmit the lifting movement of said float to said lever, and a counterweight on said lever to oppose the lift of said float.

2,189,992
AUTOMOBILE DOOR LOCK
Henry A. Pearce, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 20, 1937, Serial No. 170,069
9 Claims. (Cl. 70—150)



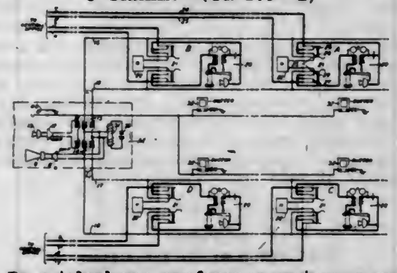
1. A door latch comprising in combination a latch frame, a retractable and projectable latch bolt mounted on said frame, a toggle operatively connected to said bolt and latch frame whereby the said toggle when made holds said latch bolt projected, a keeper adapted for interengagement with said bolt when the bolt is projected, resilient means associated with said keeper adapted to be compressed by the said projected bolt when interengaged with the keeper, and tripping mechanism for throwing the toggle over center when the bolt and keeper are interengaged whereby the force of the said resilient means breaks the toggle and retracts the bolt to disengage the bolt and the keeper to permit door opening.

2,189,993
FIRE STOP FOR APPARATUS RACKS
Raymond B. Ramsey, Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1938, Serial No. 225,910
6 Claims. (Cl. 179—91)



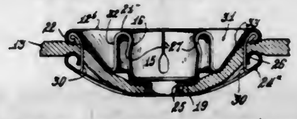
1. An apparatus rack comprising vertical standards, horizontally disposed mounting plates secured thereto, rows of apparatus mounted on one face of said plates, with their terminals extending therethrough horizontally positioned cables of wires on the other face of said plates connected to the terminals of said rows of apparatus, and a panel of fire resisting material interposed between adjacent mounting plates filling the entire space between said standards and extending outwardly beyond the cables on the wiring side of said rack.

2,189,994
TELEPHONE SYSTEM
George C. Reier, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 21, 1938, Serial No. 209,167
9 Claims. (Cl. 179—1)



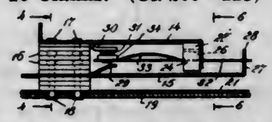
1. In a telephone conference system, a master station having a distant talking transmitter and a loud-speaking receiver, a hybrid coil interconnecting said transmitter and receiver in conjugate relation and having two pairs of line windings, a speech channel connected to each pair of line windings, an impedance network normally connected across each of said speech channels, a telephone set for each of said speech channels normally disconnected therefrom, and means for connecting said telephone sets to their respective speech channels and disconnecting said impedance networks therefrom.

2,189,995
SNAP FASTENER SOCKET
Harold J. Reiter, Chicago, Ill.
Application June 8, 1938, Serial No. 212,456
3 Claims. (Cl. 24—217)



2. A snap fastener female member including, in combination, a substantially cylindrical inner wall defining a socket, an internal circumferential flange at one end of said wall, the other end of said wall being of reduced diameter, an outer cylindrical wall integral with but spaced from the inner wall, said cylindrical walls having at least one continuous slit, and an external circumferential flange at one end of said outer wall, said flange being inclined outwardly upwardly and terminating in a plane above the top plane of the socket.

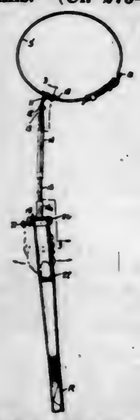
2,189,996
CONTROL APPARATUS
Arthur Lewis Riche, Freeport, Ill., assignor, by mesne assignments, to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application February 27, 1937, Serial No. 128,206
16 Claims. (Cl. 200—113)



1. A thermal control apparatus for a translating device comprising a switch having cooperating stationary and movable switch contacts, two supports for said movable contact, said supports

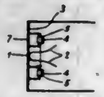
being arranged so that predetermined relative movement thereof causes movement of said movable switch contact into the operated and non-operated positions, two heat responsive members, said members being mounted so as to move in opposite directions under the influence of heat, and means for transmitting the movement of said heat responsive members to said supports for said movable contact, said heat responsive members being in heat transfer relation to said translating device, at least one of said heat responsive members being heated in accordance with the current flowing in said translating device, said heat responsive members being arranged so as to transmit said predetermined movement to said supports under predetermined temperature conditions of said translating device.

2,189,997
TENNIS RACKET GUIDE
Rudolph Salem, Long Island City, N. Y.
Application April 4, 1939, Serial No. 265,889
9 Claims. (Cl. 273—29)



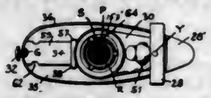
1. A tennis racket guide comprising an extensible shaft, means on one end of said shaft to connect said shaft to the handle of a tennis racket, a support on the other end of said shaft to connect said shaft to the body of the operator, and means to prevent the rotation of said shaft about its own axis when said tennis racket is manipulated.

2,189,998
TUBE ELECTRODE
Dankwart Schenk, Berlin-Reinickendorf, Germany, assignor to Allgemeine Elektricitats-Gesellschaft, a corporation of Germany
Application July 16, 1936, Serial No. 90,837
In Germany July 29, 1935
5 Claims. (Cl. 250—27.5)



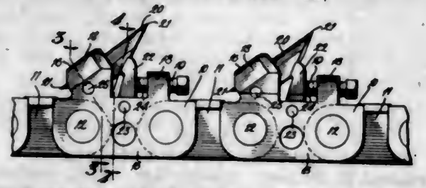
1. An electron emitter comprising an apexed filamentary heater, a disk affixed to the apex of the heater, a cylindrical shield electrode planarly closed at one end and positioned coaxially with the axis of said disk, said electrode having its planar end apertured and lying in the same plane as the disk, and storage means spaced from said disk holding an easily decomposable metallic compound positioned symmetrically about the disk, said storage means being adapted to deposit emissive material onto said disk by decomposition of the stored metallic compound.

2,189,999
LIGHTER
George Philip Schmitt, New York, N. Y., assignor, by mesne assignments, to Cardinal Products, Inc., a corporation of New York
Application February 5, 1936, Serial No. 62,391
7 Claims. (Cl. 67—7)



2. A lighter comprising a casing, a cover for the casing, absorbent material to be saturated with vaporizable fuel, contained within said casing, said casing provided with air admission means enabling atmospheric air to contact with said absorbent material, a catalyst, means for arranging said catalyst in the path of fuel charged air from said casing, said latter means comprising a slidable support; said support including an outer tubular member provided with a bottom having an opening, a holder within the said member for the catalyst, the said holder having tongues in contact with, and spacing the holder from, the said tubular member, and means operable by the cover to close said air admission means and said path.

2,190,000
BIT BLOCK FOR CUTTER CHAINS
Edwin P. Stenger and Armin O. Bruestle, Cincinnati, Ohio, assignors to The Cincinnati Mine Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application May 7, 1935, Serial No. 20,227
1 Claim. (Cl. 262—33)

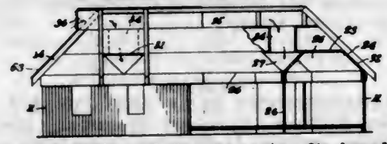


In a mining machine chain, a link including a lug portion, said lug portion having a bit receiving bore extending completely therethrough, and an abutment within said bore forming an inclined rear wall, a bit positioned within said bit bore, said bit being trapezoidal in side elevation and having cutting points at the opposite ends thereof, a clamping arm pivotally mounted in the link and having its swinging end outwardly disposed and adapted to engage against the active cutting surface of the bit to obstruct outward movement of the bit and means for moving the arm towards the inclined rear wall.

2,190,001
RECOVERY OF PHTHALIC ACID FROM GASES CONTAINING PHTHALIC ANHYDRIDE
Guy W. Talbert, Summit, N. J., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 6, 1939, Serial No. 266,414
6 Claims. (Cl. 260—525)

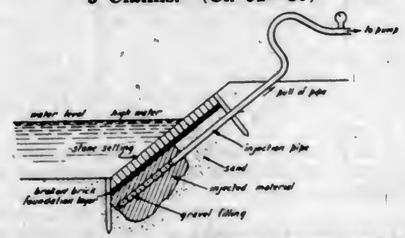
1. In the removal of phthalic anhydride from a gas containing phthalic anhydride vapor by contact of the gas with an aqueous liquid, the improvement which comprises maintaining in the aqueous liquid a wetting agent.

2,190,002
BUNGALOW
Frank F. Townsend, Camden, N. J.
Application July 21, 1936, Serial No. 91,675
4 Claims. (Cl. 98—32)



1. In a building of the character disclosed, siding, rafters supported by said siding and a ceiling having an inclined drop flange extending partly up said rafters and other drop flanges meeting in the form of V-shaped ventilating troughs in the ceiling and room defining partitions at the juncture of said meeting ceiling flanges.

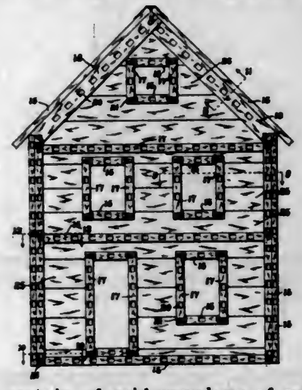
2,190,003
PROCESS OF FIXING AND IMPERMEABILIZING SOIL MASSES
Jan van Hulst, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Application June 16, 1936, Serial No. 85,530
In the Netherlands July 19, 1935
3 Claims. (Cl. 61—36)



1. A process for fixing and impermeabilizing soil masses, particularly those in contact with freely moving water, comprising applying an impregnating material including a dispersion of a binding agent coagulable in situ to an upper layer of the soil mass and applying a covering of a coarse, relatively heavy material over the surface of the soil mass whereby to protect said impregnated layer against the erosive action of running water in contact therewith, and whereby said covering is protected by said impregnated soil mass from collapse or subsidence.

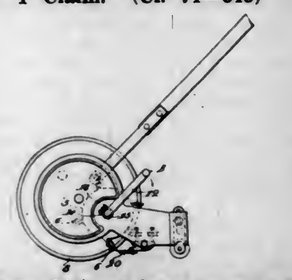
2,190,004
STRUCTURAL ELEMENT
Orin C. Baker, Cleveland, Ohio
Application August 26, 1938, Serial No. 226,927
11 Claims. (Cl. 189—1)

8. In a building construction, a framework comprising a pair of channel members each having a series of apertures in a flange thereof, another pair of channel members having a series of apertures in each flange thereof and at least one tongue on a flange of said second pair of channel members, said channel members being connected to form said framework by inserting the end of one channel member in the channel of another member with a tongue on the flange of one member entered in an aperture in a flange on the other member, and a filling panel extending



between certain of said members of said framework with the ends of the panel received in said channels.

2,190,005
HONING CRANK FOR MOWERS
Clement Basham, Fort Worth, Tex.
Application June 26, 1939, Serial No. 281,258
1 Claim. (Cl. 74—545)

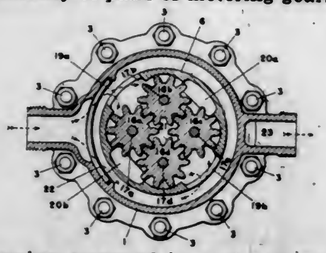


A crank for fitting a lawn mower cutting reel shaft having a transverse opening for a fastener separably securing a pinion to said shaft when within a lawn mower frame, comprising a longitudinally split two-part tubular sleeve for embracing said shaft, a lug projecting inwardly from one of the parts of said sleeve and accommodated in the opening in said shaft, a removable fastener passed transversely through the two parts of said sleeve for holding the lug engaged in the opening in said shaft, and a cranking handle having turning stud terminal, the turning stud terminal being joined with the other part of said sleeve for axial alignment with the shaft in end to end abutment therewith when the sleeve is fastened about the said shaft with the lug engaged in the opening therein, the said fastener joining the two parts of the sleeve together, being disposed next to the stud of said handle and beyond the said shaft when the sleeve is engaged therewith.

2,190,006
LIQUID METER
Robert S. Bassett, Buffalo, N. Y.
Application February 24, 1939, Serial No. 258,220
3 Claims. (Cl. 73—277)

1. A liquid meter comprising a main outer casing, a bottom outer casing attached to said main outer casing, a measuring chamber within said casings, a series of alternately disposed inlet

and outlet ports at the periphery of said chamber, a plurality of pairs of metering gears within

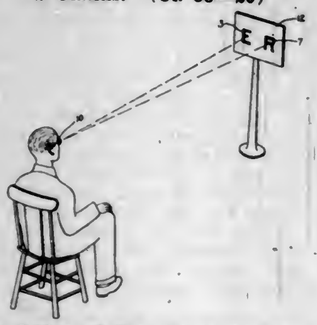


said chamber arranged in a closed series with adjacent gears intermeshing, and a register operatively connected to said gears.

2,190,007
REFINING LIGHT HYDROCARBON DISTILLATES
Howard R. Batchelder and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 1, 1937, Serial No. 161,962
10 Claims. (Cl. 196—33)

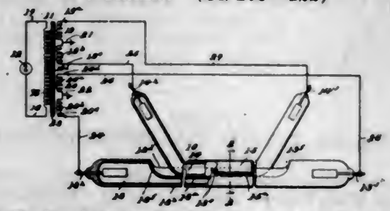
1. The process of refining corrosive hydrocarbon distillates which comprises subjecting them to a treatment with a higher molecular weight mercaptan in the presence of sodium plumbite whereby the major portion of the corrosive constituents is removed, and the higher molecular weight mercaptan is consumed and thereafter completing the removal of corrosive constituents by treatment with a lower molecular weight mercaptan in the presence of sodium plumbite solution and separating said hydrocarbon distillate from said solution.

2,190,008
CHROMATIC TEST TARGET
Robert J. Beitel, Jr., Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 29, 1937, Serial No. 133,616
2 Claims. (Cl. 88—20)



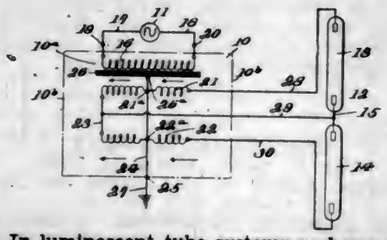
1. In a device of the character described for testing the visual acuity of an eye, a test chart having a background of a color which is of uniform intensity and wavelength frequency composition throughout its area and which is essentially of the color having the wavelength frequency of that portion of the visible spectrum which approximates the maximum of the visibility function of a normal eye, and stimulus objects of different color wavelength frequency compositions which are different from that of the background by substantially equal amounts, said stimulus objects being of distinguishable color sensation and of such frequencies that one is less and the other greater than the frequency of the background, said background and test characters being of such a nature as to cooperate with each other to afford equal stimulation of the retina of the eye under test by each of said test characters so as to take advantage of the chromatic aberration of the eye as a means of determining the clarity and definition of said test characters relative to each other.

2,190,009
LUMINESCENT TUBE AND SYSTEM
Charles Philippe Boucher, Montreal, Quebec, Canada, assignor to Boucher Inventions, Limited, a corporation of Delaware
Application May 22, 1937, Serial No. 144,285
7 Claims. (Cl. 176—122)



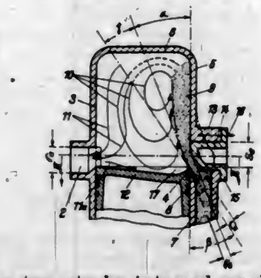
7. In luminescent tube apparatus of the character described, in combination, a luminescent tube having walls of soda glass of generally crescent shape in cross-section containing a gas or mixture of gases, a luminescent tube having walls of magnesia glass of generally circular section containing a different gas or mixture of gases, and means for maintaining said tubes in parallel relationship with the second-mentioned tube interfitting the concavity of said first-mentioned tube and permitting relative longitudinal motion between said tubes whereby there is achieved a compounding and blending of light emitted from said tubes.

2,190,010
LUMINESCENT TUBE SYSTEM AND APPARATUS
Charles Philippe Boucher, Montreal, Quebec, Canada, assignor to Boucher Inventions, Limited, a corporation of Delaware
Application June 7, 1937, Serial No. 146,907
5 Claims. (Cl. 176—124)



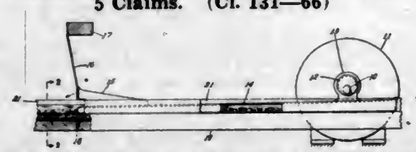
1. In luminescent tube systems and apparatus of the character described, in combination, a plurality of luminescent tubes, having their one ends connected together, an electrical transformer for energizing said tubes comprising a plurality of secondary windings corresponding in number to said plurality of luminescent tubes having their mid-portions grounded and having their ends of corresponding polarities connected together, conductor means interconnecting the common ends of said windings and the common ends of said luminescent tubes, and individual means interconnecting the other ends of said windings and the free ends of said luminescent tubes.

2,190,011
SCAVENGING OF HIGH SPEED TWO-STROKE INTERNAL COMBUSTION ENGINES
Walter Boxan, Chemnitz, Germany, assignor to Auto Union Aktiengesellschaft, Chemnitz, Germany
Application October 19, 1937, Serial No. 169,893
In Germany October 26, 1936
4 Claims. (Cl. 123—65)



2. In a two-stroke internal combustion engine the combination of a cylinder, an exhaust port, an inlet nozzle and a piston controlling fluid passage through the port and nozzle, said nozzle being adapted to direct a charge into the cylinder at such pressure and velocity as to cause said charge to enter the cylinder as a free jet and thereby exert a suction effect upon the part of the charge released by the dispersion of the jet to produce an eddy tending to hold the charge in the cylinder, with said piston being hollowed in the portion thereof facing said nozzle.

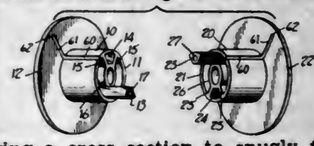
2,190,012
CIGARETTE ROD FORMER
Wilhelm B. Bronander, Montclair, N. J., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application June 1, 1936, Serial No. 82,845
5 Claims. (Cl. 131—66)



5. In a cigarette machine, the combination with means for advancing a web of cigarette paper, to inclose, in progressively tapering formation carried by the web, a stream of tobacco, of a cigarette-forming tongue of progressively tapered arcuate cross-section, overlying said paper and engaging said tobacco, and means for vibrating said tongue relatively to said stream of tobacco, said means including mechanism imparting to said tongue a movement having a component of motion in the direction of movement of said stream.

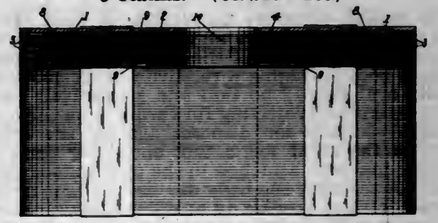
2,190,013
SPOOL
Harry Mancel Byers, Fort Wayne, Ind., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
Application March 24, 1939, Serial No. 263,860
4 Claims. (Cl. 242—118)

1. A spool of the class described comprising in combination two identical members, each having a cylindrical barrel member, a cylindrical core member, a plurality of radial members connecting the barrel to the core, a flange on one end of the barrel member and a lug on the other end, said



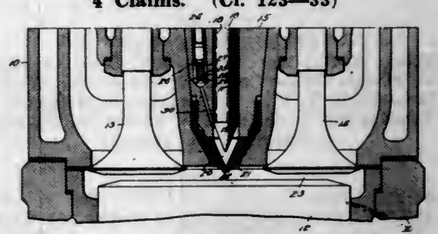
lug having a cross section to snugly fit in the recess between the radial members and extending from the barrel down to the core, the lug on one of the members being fitted in the recess between the radial members of the other member.

2,190,014
FILTER PACK
Jacques Colas, Paris, France, assignor of one-half to Societe Alfa; one-sixth to Louis Colas; and one-sixth to Andre Colas, all of Paris, France
Application February 25, 1939, Serial No. 258,565
In France March 1, 1938
6 Claims. (Cl. 210—169)



1. A filter pack comprising a plurality of filtering elements superposed alternately with intercalary members and forming a plurality of chambers, said intercalary members being of annular shape and at least one of same being broken at least at one point, thereby forming orifices for the inlet of liquid to and the outlet of same from said chambers, and means for holding said elements and members tightly packed together.

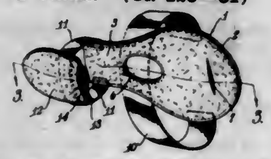
2,190,015
OIL ENGINE
Clessie L. Cummins, Columbus, Ind., assignor to Oil Engine Development Company, Columbus, Ind., a corporation of Indiana
Application January 29, 1938, Serial No. 187,637
4 Claims. (Cl. 123—33)



4. An injecting device for an oil burning engine of the piston type comprising a body having a chamber provided with one or more ejection ports and a passage for supplying the chamber with fuel under pressure, the ejection ports providing communication with the combustion space of the engine cylinder and through which air is forced during the compression stroke of the pis-

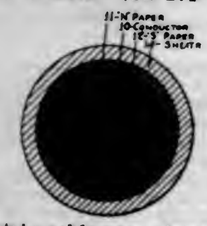
ton to mix with fuel delivered into the chamber, and an injecting plunger reciprocable in the body to alternately provide for the delivery of fuel to the chamber and to discharge the fuel through the ejection ports, the plunger having a surface located to direct toward the ejection ports the fuel charge issuing from the delivery port of the passage when the plunger is in retracted position and another surface for sealing the port during injection, the ejection ports being located to direct air forced into the chamber by the piston against the first-named surface to distribute the same.

2,190,016
BUNION CORRECTOR
Jeremiah C. Day and William F. Marshall, Lexington, Ky.
Application November 21, 1938, Serial No. 241,684
1 Claim. (Cl. 128—81)



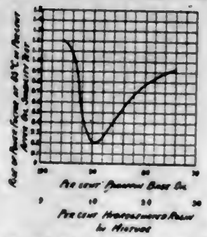
A bunion corrector comprising a body made up of a pair of layers of pliable sheet material stitched together about the edges thereof to provide a body including a relatively large substantially oval shaped portion and a relatively narrow extension projecting forwardly from the oval shaped portion for disposal against the outer side of the great toe, a foot encircling band of elastic material attached to the oval shaped portion for securing the body against the first metatarsal joint to provide an anterior support therefor, said body having a bunion receiving opening therein and said layers being stitched together about the opening, said extension having an open forward end providing a mouth for a pocket between said opening and said open end, one of said layers being slit within the area of the oval shaped portion to provide a mouth for a pocket within the oval shaped portion, padding receivable in the pockets in any predetermined quantity to adjust the thickness of the padded areas of the body, a band secured to the outer end of the extension to encircle the great toe, toe engaging means secured to the latter band for disposal between the great toe and the toe next thereto and being in the form of a pocket having an open rear end providing a mouth therefor, and padding within the latter pocket.

2,190,017
ELECTRIC CABLE
William A. Del Mar, Greenwich, Conn., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
Application June 16, 1938, Serial No. 214,022
4 Claims. (Cl. 174—25)



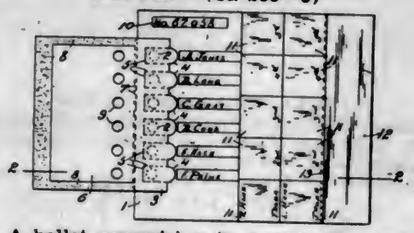
1. An electric cable comprising a conductor, a sheath and impregnated paper insulation interposed therebetween composed of two or more types of paper differing in ratio of elongation to tensile stress, the types of paper being applied in decreasing order of this ratio from the conductor outward.

2,190,018
IMPREGNATED PAPER INSULATION FOR ELECTRIC CABLES
William A. Del Mar, Greenwich, Conn., assignor to Phelps Dodge Copper Products Corporation, Dover, Del., a corporation of Delaware
Application August 22, 1939, Serial No. 291,313
4 Claims. (Cl. 154—2.6)



1. An impregnated paper used for electric insulation for cables, comprising a paper impregnated with oil containing in solution from 5 to 20 per cent of hydrogenated wood rosin.

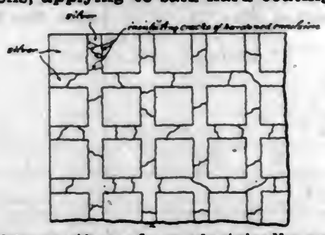
2,190,019
BALLOT
Charles W. Foster, Kansas City, Mo.
Application July 18, 1938, Serial No. 219,710
6 Claims. (Cl. 283—5)



6. A ballot comprising in combination a base sheet having inscribed thereon the names of candidates and holes through said sheet respectively opposite to said names, and a second sheet fastened to the front side of said base sheet and having tabs respectively covering said holes and having weakened attachment to said second sheet to enable their easy detachment therefrom, said second sheet having a flap adapted to be swung to and from a position covering said tabs and holes and having means for being sealed in said position to prevent felonious access to the space covered by said flap when in said position, said flap having holes therethrough which, when said flap is in said position, respectively register with said holes in said base sheet.

2,190,020
MOSAIC SCREEN
Thomas T. Goldsmith, Jr., Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application November 7, 1938, Serial No. 239,326
8 Claims. (Cl. 250—27.5)

5. The steps in the method of making a mosaic screen of the character described, which consist in applying to a surface of a base a relatively thin coating of a viscous and insulating material, said material being characterized by the fact that subsequent to such application it hardens, applying to said hard coating a relatively thin coating of an electrically-conductive material, and cracking up said first-named hard coating to cause isolation accordingly of said second-named material into a mosaic comprised of relatively minute and individual particles over said surface.



2,190,021
SYNTHETIC GUM AND METHOD OF COMPOUNDING SAME
George A. Hatherell, Roscoe, Calif., assignor to Frank A. Garbutt, Los Angeles, Calif.
No Drawing. Application July 2, 1937, Serial No. 151,700
11 Claims. (Cl. 99—135)

1. A method of compounding a chewing gum base containing a lastic and a resin, said method being characterized by the mechanical introduction of solidified resin into the lastic.

2,190,022
RESOLVING EMULSIONS
Oscar F. Hedenburg, Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware
No Drawing. Application June 28, 1938, Serial No. 216,386
1 Claim. (Cl. 260—454)

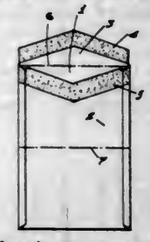
The method herein described of resolving an emulsion of an aqueous solution of sodium chloride in an aromatic alkyl thiocyanate, which consists in altering its condition by causing it to percolate through a body of sodium chloride in crystalline state; and separating the components of the effluent.

2,190,023
DRY-SEALING ENVELOPE OR CONTAINER
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application September 28, 1935, Serial No. 42,617
12 Claims. (Cl. 229—80)



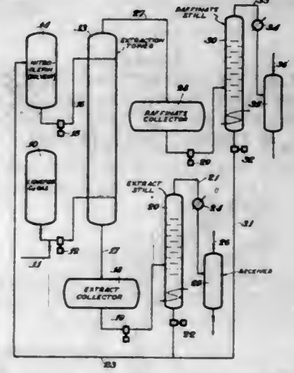
6. A closure for an envelope or container, comprising a continuous band of adhesive extending around the walls and disposed entirely inside of the envelope opening, said adhesive being of a character adapted to adhere to itself upon non-moistened contact, the envelope being normally maintained in open condition by an internal separator disposed between opposed portions of said band.

2,190,024
DRY-SEALING ENVELOPE AND THE PACKING OF SAME
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application October 29, 1935, Serial No. 47,280
3 Claims. (Cl. 229—80)



3. An envelope having corresponding areas of a flap and wall on opposite sides of a fold line coated with a dry-sealing adhesive, the envelope being additionally folded transversely of said wall and parallel to said flap fold line to cover the dry-sealing adhesive on said wall with an uncoated wall portion, and to prevent contact between said adhesive areas when said flap is folded over for packing the envelope.

2,190,025
OLEFIN SEPARATION
Carl Max Hull, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 13, 1938, Serial No. 224,783
7 Claims. (Cl. 196—13)

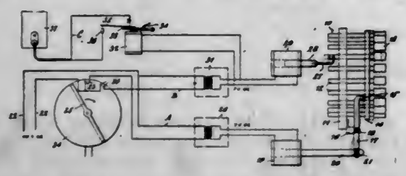


1. The method of separating paraffinic from olefinic hydrocarbons which comprises selectively extracting said olefinic hydrocarbons with a nitro-olefin and subsequently separating said nitro-olefin from the extracted olefins by distillation.

2,190,026
TIME CONTROLLED MECHANISM FOR COIN CONTROLLED AUTOMATIC PHONOGRAPHS
Robert Jacobson, New York, N. Y.
Application December 14, 1937, Serial No. 179,660
2 Claims. (Cl. 161—5)

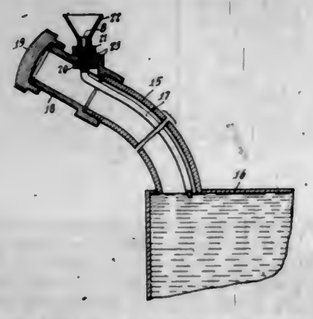
2. A time controlled means for periodically playing a particular phonograph record of an automatic coin controlled phonograph comprising in combination, a manually actuated phonograph record selecting mechanism having a plu-

rality of individual push elements adapted to be manually pushed to a set record selecting position, record cancelling mechanism for returning one or more previously set push element or push elements to cancelled non-record selecting position, electrically operated means for actuating the record cancelling mechanism including a normally open record cancelling circuit having a pair of closely spaced electric contact terminals, and a source of electric energy, a clock on which said terminals are mounted having a driven rotatable contact clock hand adapted to bridge said contact terminals to momentarily close said record cancelling circuit, electrically actuated



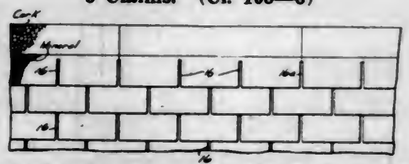
means for selectively sliding a predetermined one of said push elements to record selecting position including a normally open record selecting circuit having a source of electric energy and a pair of closely spaced terminal contacts, said last mentioned terminal contacts being mounted on said clock adjacent to said first mentioned pair of contact terminals for subsequent engagement by said contact clock hand whereby the circuits are successively closed by said contact clock hand during rotation thereof, a normally open automatic electric phonograph starting circuit, and electrically actuated means connected to and responsive to the closing of the selector circuit for closing said starting circuit.

2,190,027
LIQUID DETECTING DEVICE
Henry Ewin Jordan, Los Angeles, Calif.
Application February 11, 1939, Serial No. 255,896
8 Claims. (Cl. 116—118)



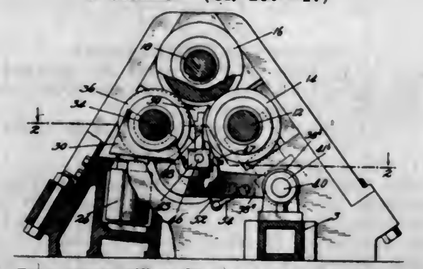
1. In combination, a receptacle adapted to contain liquid, a light-conductive rod of transparent material having two end portions exterior of said receptacle and having an intermediate portion within said receptacle, one of said end portions being exposed to light, which light is conducted along said rod to illuminate the other end to an extent varying with the light-conducting efficiency of said rod, at least a portion of said rod within said receptacle having its surface directly exposed to the receptacle contents whereby its internal reflection characteristics and hence its light-conducting efficiency, varies according to the refractive properties of the tank contents.

2,190,028
COVERING MATERIAL
Lester Kirschbraun, New York, N. Y., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application May 28, 1936, Serial No. 82,180
Renewed June 29, 1939
3 Claims. (Cl. 108—8)



3. A shingle element of the class described composed of a weather-resistant base having a bituminous coating on one face thereof, a layer of cork granules affixed to said coating over the entire area of that face of the element to be exposed to the weather, a second bituminous coating overlying the cork granules in the portion of said face to be exposed to the weather, and mineral granules affixed to said second coating, the cork granules on said portion to be exposed being sufficiently coarse whereby said area to be exposed presents a rough and textured surface.

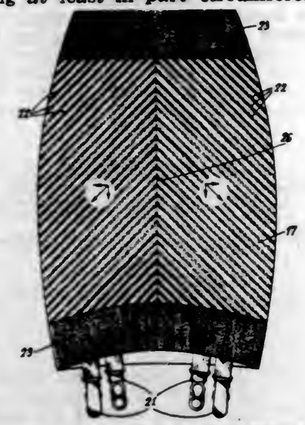
2,190,029
CANE MILL
Ernst W. Kopke, Baton Rouge, La.
Application August 13, 1935, Serial No. 36,014
Renewed June 17, 1939
9 Claims. (Cl. 100—47)



2. In a cane mill, a frame, a cane crushing roll, a yoke in which said roll is mounted and means connecting said yoke and frame providing a universal connection.

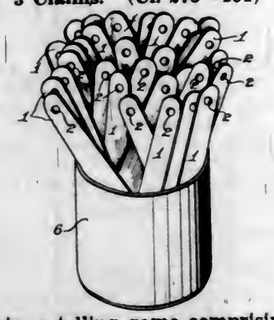
2,190,030
APPAREL GARMENT
Waldemar Kops, New York, N. Y., assignor to Kops Brothers, Inc., New York, N. Y., a corporation of New York
Application July 28, 1938, Serial No. 221,698
2 Claims. (Cl. 2—37)

1. A garment of the class described comprising a body-encircling member extending over the hips, a portion of said member extending from substantially the medial line at the front to substantially the medial line at the back around each side of the body being formed of material having elastic yarns disposed therein to provide elasticity in directions at right angles to each other, a part of said elastic yarn being arranged to extend generally in a diagonal direction downwardly along lines running from the medial line at the front toward the medial line at the back and to impart to said portion of said member its principal tension in said diagonal direction, said member having bands above and below said portion with elastic yarns stretchable and extending at least in part circumferentially of



the garment to provide elasticity in a direction around the body for anchoring the garment to the body.

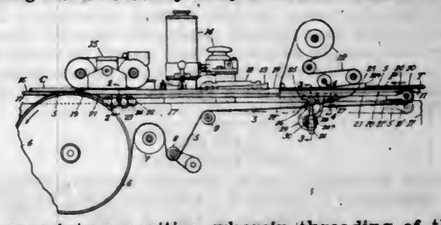
2,190,031
GAME
Alma M. Lassen, New York, N. Y.
Application May 19, 1937, Serial No. 143,610
3 Claims. (Cl. 273—161)



1. A fortune-telling game comprising a set of free elongated elements from which set may be drawn at random a sub-divisional number of said elements, and means for detachably assembling the elements of sub-divisional number about a common axis to extend from said axis radially in fan formation, said elements differing in visible respects from each other and each constituting a symbol having a specified augural meaning.

2,190,032
FORMER FOR CIGARETTE MACHINES
James W. Leary, Bloomfield, N. J., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application January 8, 1936, Serial No. 58,129
Renewed December 28, 1938
11 Claims. (Cl. 131—66)

1. In a cigarette machine, the combination with a rod former provided with a tongue adjacent its forward end, of a traveling rod-forming tape acting to forward through said rod former and under its tongue a cigarette paper web carrying a stream of tobacco, and means for compressing the tobacco on said web on the portion of the rod former in front of said tongue while it is being forwarded by said tape, said rod former being movable bodily away from said compressing



means into a position wherein threading of the paper and the removal of "chokes" is facilitated.

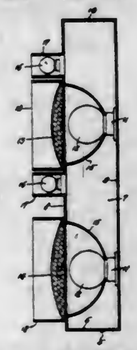
2,190,033
MANUFACTURE OF WOOD TAR-FORMALDEHYDE RESINS
Jean J. Lévesque, Bagotville, Quebec, Canada
No Drawing. Application August 23, 1937, Serial No. 160,449
6 Claims. (Cl. 260—67)

1. A process for producing synthetic resin which comprises subjecting wood tar under conditions of temperature reaching between 110° to 350° C. and in a vacuum sufficient to distil pitch oils therefrom at the stated temperatures, and reacting the said distillate with formaldehyde and with aniline and potassium carbonate.

2,190,034
METHOD OF MAKING WATERPROOF SHEETS OR BOARDS
Harold L. Levin, Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Application January 30, 1931, Serial No. 512,497
2 Claims. (Cl. 92—21)

2. A process of producing a pulp containing a binder substance, which comprises mixing a heat plastic binder with an absorbent, finely-divided inorganic matter to the extent of producing a friable mass, disintegrating said mass, and dispersing the disintegrated mass in a pulp of fibers in water suspension.

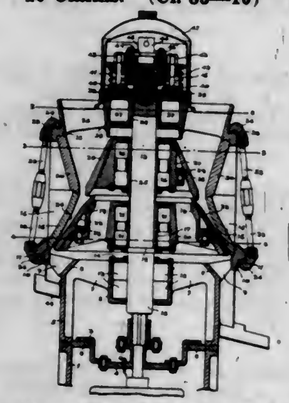
2,190,035
TRAFFIC SIGNAL
Arthur M. Loungway, Endicott, N. Y.
Application January 12, 1938, Serial No. 184,663
5 Claims. (Cl. 177—327)



5. A traffic signal comprising a casing having a window provided with a lens, an annular shield projecting forwardly of the lens, a plurality of

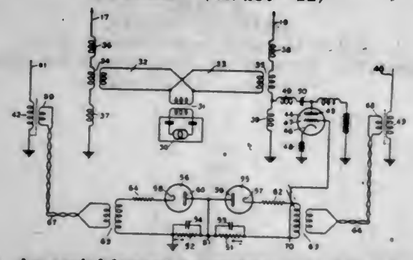
tubular pockets at the peripheral edge of the shield and constituting relatively small lamp shields, the axes of the pocket paralleling the axis of the first named shield, an annular channel rearwardly of the pocket, lamps mounted in the pocket with the base of the lamp projecting into the channel and a rear cover plate for the channel.

2,190,036
ORE CRUSHER
Jacob Johannes Morch, Toronto, Ontario, Canada
Application August 6, 1936, Serial No. 94,540
In Canada August 9, 1935
10 Claims. (Cl. 83—10)



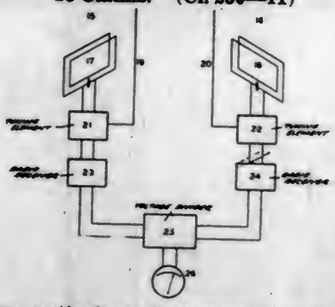
5. In an ore crusher of the type having axially converging and diverging crusher rings disposed in axial progression and crusher cones disposed within and respectively co-operative with said crusher rings, the combination therewith of means for differentially tilting said crusher cones about the axis of the crusher rings including a drive shaft for said crusher cones having an axis fixed in relation to said crusher rings and extending therethrough.

2,190,037
STABILIZING METHOD AND DEVICE
Jacob Neufeld, Tulsa, Okla.
Application November 25, 1936, Serial No. 112,743
4 Claims. (Cl. 250—11)



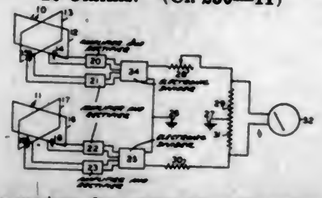
1. An aerial layout comprising several antenna systems, in which the intensities and phases of currents are maintained at predetermined relationships for producing a pattern of desired space characteristics, means in the said pattern responsive to a change in the said space characteristics and associated with the said aerial layout for maintaining the intensities of currents at a predetermined relationship and another means responsive to a change in the said space characteristics and associated with the said aerial layout for maintaining the phases of currents at predetermined relationships.

2,190,038
POSITION AND DIRECTION DETERMINING SYSTEM
Jacob Neufeld, Tulsa, Okla.
Application June 25, 1937, Serial No. 150,286
18 Claims. (Cl. 250—11)



5. The method of determining angle of incidence of a radio wave which consists in producing two electrical signals, each of the said signals depending upon the intensity of the said radio wave, producing an electrical current representing a functional relationship between the intensities of the said signals, the said functional relationship depending upon the angle of incidence of the said radio wave and remaining constant when the strength of the said wave varies, and determining the intensity of the said current as a measure of the said angle of incidence.

2,190,039
NAVIGATIONAL METHOD AND APPARATUS
Jacob Neufeld, Tulsa, Okla.
Application July 29, 1937, Serial No. 156,378
10 Claims. (Cl. 250—11)

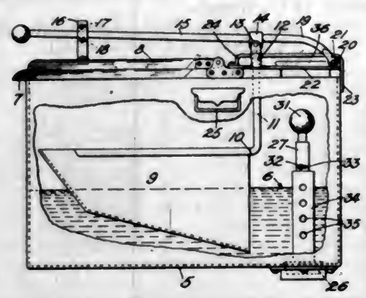


1. In a system for comparing directions of two radio-transmitting stations, the said stations being spaced one from the other and transmitting waves at different frequencies, two absorbing means for selectively receiving the transmitted waves at different frequencies from the said transmitting stations, means for producing two electrical signals, the magnitude of each of the said signals representing individually the direction of a corresponding transmitting station, means for combining the said electrical signals in a sense to compare their respective magnitudes and means for producing an indication of their relative magnitudes.

2,190,040
CLOSET
Henry James Newnes, London, England, assignor to Austral Cabinet Company Limited, London, England
Application January 10, 1938, Serial No. 184,286
In Great Britain January 9, 1937
7 Claims. (Cl. 4—115)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

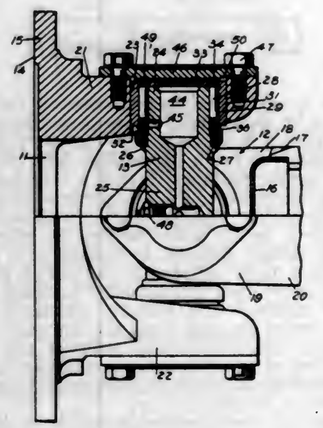
1. A sanitary closet of the class described in-

cluding a tank having an opening in the top thereof, a receiving tray in said tank under the opening, a plurality of axially movable bars carrying the receiving tray and having end portions extending up through the tank, a cross member interconnecting said bars externally of the tank and movable with the bars and tray, a guide comprising spaced members extending longitudinally behind said seat, certain of said spaced



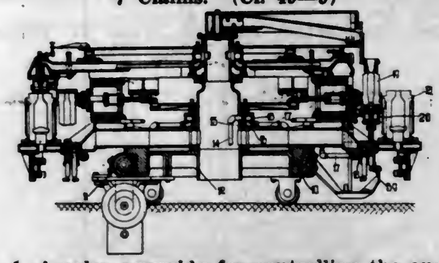
members being resilient, and a lever having an inner end engaged between the spaced members of said guide so as to be movable therebetween along the length of the guide and being pivotable with respect thereto, said lever being operatively associated with said cross member for raising and lowering the receiving tray, said resilient member serving to cooperate with the other member of the guide to grip the end of the lever engaged thereby and restrain its movement therealong.

2,190,041
BEARING
Joseph E. Padgett, Toledo, Ohio
Application February 19, 1937, Serial No. 126,714
16 Claims. (Cl. 64—17)



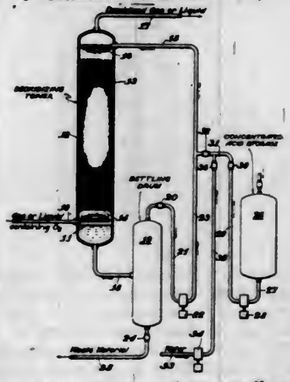
1. A bearing assembly comprising a cup-shaped race; a plurality of independently movable cylindrical needles arranged with lubricant within said race to form a sliding and rolling bearing sleeve; and a needle retainer fitted snugly within the open end of said race, said race and needle retainer being arranged to maintain said needles in assembled relation to permit handling of said assembly as a unit.

2,190,042
APPARATUS FOR THE MANUFACTURE OF GLASSWARE
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application January 11, 1937, Serial No. 120,076
In Great Britain January 22, 1936
7 Claims. (Cl. 49—9)



1. A valve assembly for controlling the application of suction and of blowing air to a blow head associated with the neck and of a parison mould, said blow head comprising a neck forming pin, movably mounted thereon to assume different positions during suction compacting and blowing of a blank, and a hollow longitudinally movable stem carrying said pin said valve assembly comprising a casing having a bore therein, a suction passage and a blowing air passage leading to said bore at longitudinally spaced points, a reciprocable hollow valve plunger in said bore having a peripheral port registrable alternately with said passages, and having an open end positioned to register with the end of said hollow blow head stem, means for moving the plunger and the stem longitudinally to cause the stem to assume said different positions and said peripheral port to register alternately with said passages, and a supplemental valve in the suction passage to control the flow of fluid therethrough, independently of movements of the hollow valve plunger and of the hollow stem.

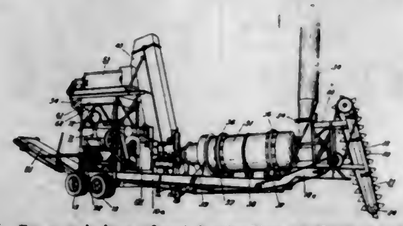
2,190,043
PROCESS FOR DEOXIDIZING HYDROCARBONS
William B. Plummer, Chicago, and Maurice H. Arveson, Flossmoor, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 27, 1937, Serial No. 176,902
6 Claims. (Cl. 196—39)



1. The process of removing small amounts of oxygen from a hydrocarbon fluid containing the

same, comprising contacting said fluid with a dilute acidic aqueous solution having an hydrogen ion concentration of about 0.001 to 0.1 normal in the presence of metallic iron.

2,190,044
MIXING PLANT
Harold C. Pollitz, Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 14, 1938, Serial No. 195,845
3 Claims. (Cl. 259—153)



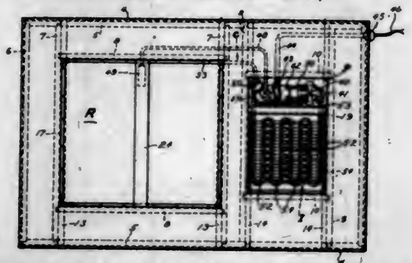
1. In a mixing plant including a shaker screen, batching and weighing means below the shaker screen, a pug mill below the batching means, means for distributing liquid bitumen over the material being mixed in the pug mill, and means for delivering material from the pug mill located with the receiving end thereof beneath the pug mill, all mounted in vertical relation, a drier drum, a cold elevator in front of the drier drum, a stack for the drier drum, and a hot elevator between the discharge end of the drier drum and the shaker screen, the hot elevator being foldable into the space just to the rear and above the drier drum, the stack being foldable above the drier drum, and the cold elevator being foldable upon itself so that the folded portion is in front of the permanently mounted portion.

2,190,045
ROTARY JAR
Edward F. Raymond, Manhattan Beach, Calif.
Application October 19, 1936, Serial No. 106,290
Renewed November 28, 1938
18 Claims. (Cl. 255—27)



10. A jar for rotary drilling comprising: a mandrel adapted to depend from a drilling string; a body member telescoping over the lower end of said mandrel; hammer and anvil means incorporating said mandrel and body member; an outer shell depending from said drilling string around said mandrel; an inner shell extending upwardly from said body member between said outer shell and mandrel; and friction means incorporating both of said shells, adapted to release upon application of a predetermined longitudinal stress on said drilling string.

2,190,046
REFRIGERATING METHOD AND APPARATUS
Joseph F. Robinson and Van Houden King, Jr., San Francisco, Calif., assignors, by mesne assignments, to Cold Control Corporation, a corporation of California
Application August 10, 1937, Serial No. 158,419
9 Claims. (Cl. 62—91.5)



7. In a refrigeration system of the character described, a compartment designed to receive a solid and extremely cold refrigerant such as dry ice, a refrigeration compartment, a heat transfer line between said compartments, means for intermittently circulating a secondary refrigerant through said transfer line, and a closed receptacle filled with a normally frozen liquid and containing that part of said transfer line which transmits heat to the refrigerant compartment, said receptacle arranged for direct contact with the solid refrigerant.

2,190,047
AUTOMOBILE GLASS CONTROL LOCK
Leslie C. Ruska, Cicero, Ill.
Application October 28, 1937, Serial No. 171,523
3 Claims. (Cl. 292—174)



1. In a releasable locking means for slidable windows of automobile doors, a guide and cross bar having a horizontal slot therein and having a plurality of teeth along one edge thereof; a hollow handle member having a bushing portion slidably mounted in said horizontal slot of said bar, said handle member having a passage therethrough; a catch plate having an annular peripheral flange adapted to engage said teeth on said bar, a stem connecting said catch plate and extending through said bushing member and said handle member and slidably mounted therein, and a spring on said stem for normally holding said catch plate in locked position, the manual depression of said stem being adapted to release said catch plate to permit sliding movement of said locking device.

2,190,048
PERMEABILITY-TUNED OSCILLATOR TRACKING ARRANGEMENT
Dwight V. Sinninger, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application April 10, 1939, Serial No. 266,969
5 Claims. (Cl. 250—40)

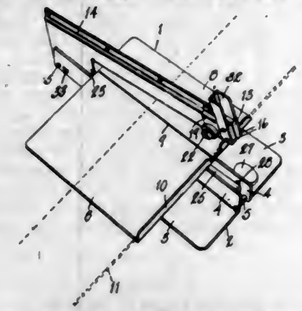
1. A high-frequency system including signal-frequency and oscillator circuits; means for

varying the resonant frequencies of said circuits comprising substantially identical ferromagnetic cores and mechanism for moving said cores in unison; and means for maintaining the resonant frequencies of said circuits at a substantially constant difference including a uniformly wound coil for said signal-frequency circuit of length substantially equal to the length of said cores and a non-uniformly wound coil for said oscillator circuit of length materially greater than



the length of said cores, and having a uniformly wound first portion of length substantially equal to said signal-frequency coil but of fewer turns and a second non-uniformly wound portion of length materially less than said signal-frequency coil; said resonant circuits being initially adjusted to produce said frequency difference with one of said cores outside of said signal-frequency coil and the other of said cores within said second portion of said oscillator coil.

2,190,049
BELT AND TAPE CUTTER
Walter Sperry, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich., a corporation of Michigan
Application June 27, 1938, Serial No. 216,015
13 Claims. (Cl. 164—73)

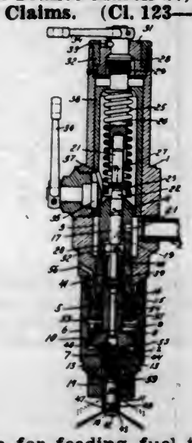


3. A belt and tape cutting device comprising a work table, a standard for supporting said table, a cutter blade reciprocable transversely of the table, a guide for said blade, and means for adjusting said guide relative to the table to maintain the path of said blade in parallelism with the work supporting surface of the table comprising a supporting bar pivoted to the standard and to the guide, and means for clamping the supporting bar in adjusted angular position.

2,190,050
METHOD OF TREATING METALLIC ARTICLES
Lyndon S. Tracy, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application April 22, 1938, Serial No. 203,587
3 Claims. (Cl. 148—10)

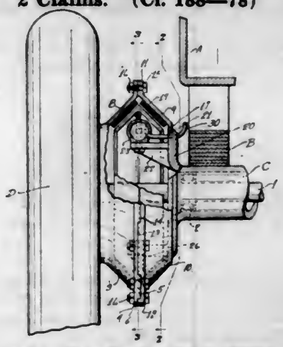
1. The process for producing a hard surface on a ferrous metal, which comprises applying a layer of finely divided silicon carbide to the surface, subjecting the silicon carbide to an electric arc, of which the ferrous metal forms one electrode and a carbon rod forms the other electrode, so as to fuse a layer of the metal in contact with the silicon carbide and to dissolve silicon carbide in the fused metal.

2,190,051
FUEL INJECTION
Jean Edouard Tuscher, Petit-Ivry, France
Application March 25, 1936, Serial No. 70,733
In France March 27, 1935
6 Claims. (Cl. 123—139)



1. A device for feeding fuel to internal combustion engines which comprises a housing having a chamber therein and a passage leading from the chamber to the exterior of the housing, means for admitting a predetermined quantity of fuel to said chamber, a piston movable in said chamber to force fuel under pressure through said passage, an exhaust port in a wall of the housing, a member including an exhaust passage movable in the housing by said piston to connect the chamber with said port, said member being normally held by the piston in position to close said port, and means for adjusting said member to vary the normal position of said exhaust passage with respect to the piston.

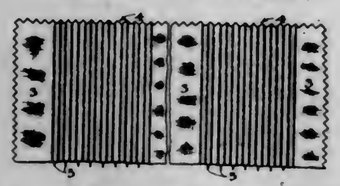
2,190,052
VEHICULAR BRAKE
Martin Van Raalte, St. Louis, Mo.
Application October 4, 1937, Serial No. 167,083
2 Claims. (Cl. 188—78)



1. In a vehicular brake structure, an outer brake drum member of substantially frusto-conical shape having a radially outwardly flared annular flange around its outwardly presented margin, an inner brake drum structure of sub-

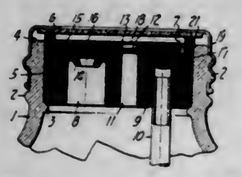
stantially frusto-conical shape composed of two substantially hemi-circular segmental portions separably fitted together and having radially outwardly flared annular flange portions around the outwardly presented margins to fit against the similar flange on the outer drum member, brake lining portions on the brake drum faces of the outer drum member and the brake faces of the two segmental drum members, fastening means engaging the flange of the outer brake drum member and the flanges of the two inner segmental brake drum members and connecting the outer and inner portions of the brake drum together whereby the two segmental brake drum members are independently and separably connected to the outer brake drum member, and expansible brake shoe means within the brake drum structure having outwardly presented circumferential surfaces of substantially V-shaped cross section complementary in shape to the combined contour of the brake lining portions of the outer and inner brake drum members.

2,190,053
CORDED WOVEN FABRIC
Louis J. A. Amyot, Quebec, Quebec, Canada
Application October 13, 1938, Serial No. 234,749
5 Claims. (Cl. 139—384)



1. A woven fabric made of warp threads, weft threads and stiffening cord warps, the fabric having a stiffened area and a non-stiffened area, the stiffened area comprising a back ply of fabric covering a series of stiffening cords and a face ply surrounding each stiffening cord on one side and holding it securely to the back ply, the stiffening cords comprising a plurality of sized yarns tightly bound by a braided covering.

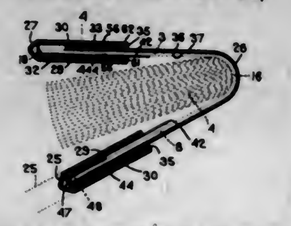
2,190,054
FLASK AND STOPPER THEREFOR
Fred A. Cutter, Oakland, and Robert K. Cutter, Berkeley, Calif., assignors to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application August 30, 1937, Serial No. 161,582
10 Claims. (Cl. 215—37)



6. A stopper having a pair of spaced openings extending therethrough, a portion of said stopper being sufficiently thin to be readily punctureable by a hypodermic needle.

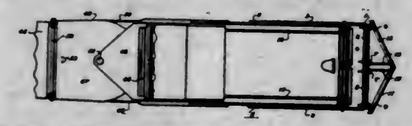
10. In combination; a flask having stop means located within its neck at a predetermined depth below its mouth; a stopper tightly fitted within the neck of said flask in contact with said stop means and having its upper end extending above the mouth of said flask; a cap secured over the mouth of said flask in engagement with said stopper; an opening extending through the stopper, and a resilient flange extending inwardly from the wall of said opening in the general form of a frustrated cone, the base of said flange being held against relative motion with respect to said stopper, said flange being of such resilience as to enable the flange to make a liquid-tight seal with a tube of slightly larger diameter than the diameter of the opening in said flange.

2,190,055
PROTECTIVE COVER FOR BOOKS
Eli Davidson, Dorchester, Mass.
Application January 25, 1939, Serial No. 252,708
5 Claims. (Cl. 281—34)



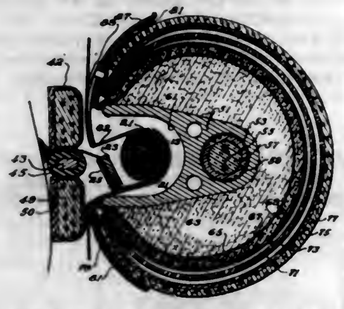
1. The combination with a book, of a protective cover therefor comprising two cover members, each having a pocket to receive at least the outer edge portion of the cover of a book, and a cover sheet of flexible material extending from one cover member around the back of the book to the other cover member, the free edge of the cover sheet being folded around the edge of the corresponding book cover and being clamped thereto by the corresponding cover member, one of the cover members having a tape within its pocket which extends around the edge of the book cover, one end of said tape being secured to the cover member adjacent the mouth of the pocket and the other end being exposed beyond the cover member whereby the application of a pulling strain to the exposed end of the tape will force the cover member off from the book cover.

2,190,056
ADJUSTABLE PLOW
Isaac F. Davidson, Portland, Oreg.
Application July 30, 1938, Serial No. 222,238
8 Claims. (Cl. 37—144)



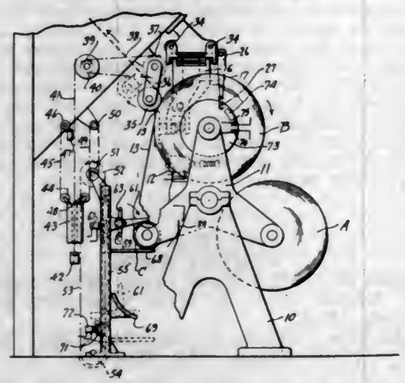
1. In a device of the character descrbed, a vehicle, a U-shaped frame pivoted on said vehicle, said frame comprising side portions and a cross member joining said side portions at the forward end, means on said vehicle for raising said frame, a pair of plow shares, each of said shares secured to a pair of brackets, one of said brackets extending forwardly further than the other, said brackets hinged to said cross member for up and down movement, the hinges of said brackets being in horizontal alinement, said hinges so arranged that said share assemblies may be removed or interchanged, means on said vehicle removably connected to each of said shares whereby either of said shares may be swung upwardly independently of the other.

2,190,057
HAIR CURLER
Frank E. Doerr, Lynn, Mass.
Application December 17, 1936, Serial No. 116,372
Renewed June 23, 1939
18 Claims. (Cl. 132—36)



1. A mandrel for winding hair having diametrically opposed flat faces and means for clamping the hair to the mandrel comprising a pair of parallel, spaced, yielding members connected together at one of their ends and pivotally mounted at the other of their ends upon the mandrel to clamp the hair yieldingly against the flat faces on the mandrel.

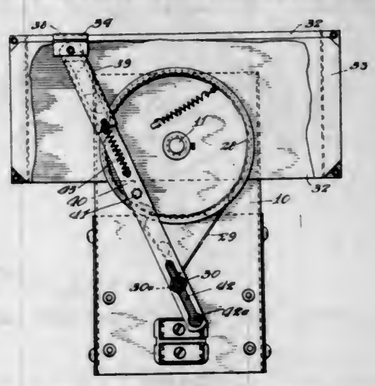
2,190,058
WEB SPLICING DEVICE FOR NEWSPAPER PRESSES
Eugene P. Doyle and Leo F. Long, Toledo, Ohio
Application October 4, 1937, Serial No. 167,100
7 Claims. (Cl. 242—58)



1. In a newspaper press having a web-splicing device provided with a rotatable reel supporting a plurality of paper rolls adapted to be brought into operation successively, a rotating driving wheel actuated by press speed frictionally engaging one of said rolls at an end and adjacent the periphery thereof and having its axis disposed at substantially right angles to the axis of the paper roll.

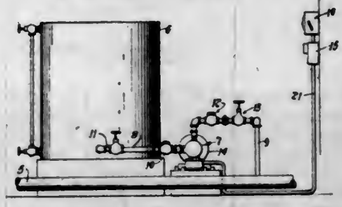
2,190,059
INDICATING DEVICE FOR TUNING MECHANISMS
Frederick W. Edwards, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 24, 1939, Serial No. 275,369
25 Claims. (Cl. 116—124.1)

1. In an indicating mechanism, the combination of a rotary drum, a tuning shaft secured to said drum, a lever extending across said drum and movable in a plane substantially parallel with said drum, a pivotal connection between the mid-



portion of said lever and an off-center portion of said drum, a fixed pivot having sliding connection with one end portion of said lever, a pointer carried by the other end portion of said lever, and a fixed scale cooperating with said pointer.

2,190,060
WATER TREATING APPARATUS
Eugene P. Fager, Winnetka, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
Application August 30, 1937, Serial No. 161,565
5 Claims. (Cl. 210—40)

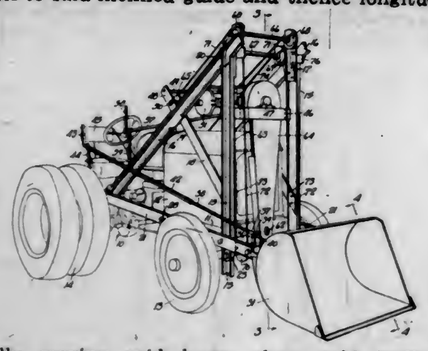


1. Water treating apparatus comprising in combination with means for containing water to be treated, means for holding a supply of reagent, a pump operable to deliver reagent from said supply means into said water containing means, a motor for driving said pump, and means operating automatically at predetermined intervals for controlling said motor, said last mentioned means being capable of being set to vary the length of the operating periods and also the intervals between operating periods.

2,190,061
LOADING DEVICE
Richard D. Fisher and Clyde Riley, Elkhart, Ind., assignors to White Manufacturing Company, Elkhart, Ind.
Application October 24, 1938, Serial No. 236,644
10 Claims. (Cl. 214—139)

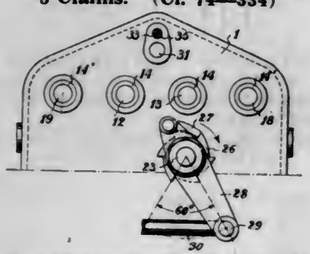
1. A loading attachment adapted to be mounted on and operated by a tractor, comprising interconnected vertical and inclined guides adapted to be fixedly mounted on the tractor, a boom shiftably connected to said guides adjacent its ends and normally in substantially horizontal position adjacent the lower ends of said guides, and means for bodily elevating said boom along

said guides to inclined position substantially parallel to said inclined guide and thence longitudi-



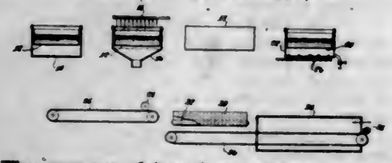
nally moving said boom along said inclined guide.

2,190,062
PRESELECTOR DEVICE FOR CHANGE SPEED GEARS
Walthère Fournaux, Waterloo, Belgium
Application July 14, 1937, Serial No. 153,590
In Belgium July 17, 1936
3 Claims. (Cl. 74—334)



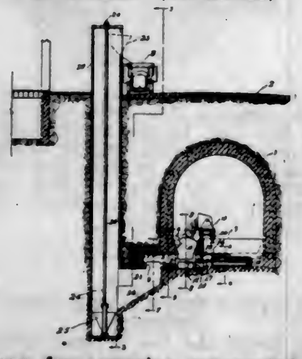
1. In a preselective control for sliding-gear transmissions, a casing over a transmission to be controlled, longitudinal rods in said casing, gear-engaging forks slidable on said rods, primary rotary cams slidable transversely above the forks and adapted to displace the same over the rods, gear means for rotating said cams and thereby shifting the forks and corresponding gears, secondary cams actuated simultaneously with the first for retracting previously shifted forks, means for selectively and remotely sliding the primary cams, and manually actuated means for moving the cam-actuating gear means, and a ratchet mechanism for unidirectionally actuating the manually actuated means.

2,190,063
TREATMENT OF POTATOES TO PRODUCE DRIED MASHED POTATOES
Orville Gano, Burley, Idaho, assignor to Potato Corporation of Idaho, Garwood, N. J., a corporation of Idaho
Application February 15, 1938, Serial No. 190,577
6 Claims. (Cl. 99—207)



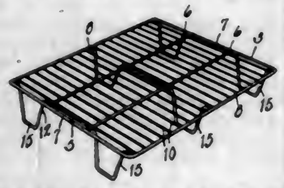
1. The process of treating potatoes comprising removing the skins from potatoes, dividing the skinned potatoes into pieces about 3/8ths of an inch in thickness, placing the pieces of potato in alkaline water having a pH of about 10 at about room temperature, gradually raising the temperature of the water to boiling, continuing to boil the pieces for about 10 to 15 minutes, quickly separating the water from the pieces when cooked and allowing the pieces to cool, subdividing the pieces into small strips and drying the small strips at low temperature.

2,190,064
MATERIAL LOCK FOR TUNNELS
Seth M. Gooder, Deerfield, Ill.
Application March 9, 1939, Serial No. 260,701
14 Claims. (Cl. 61—83)



1. Means for removing exacavated material from a tunnel comprising a well extending from the surface of the ground at any desired distance from the tunnel to a point below the level of the bottom of the tunnel; material-conveying means in the well to raise material entering the lower end of the well to the surface, a passage extending from the lower end of the well into the tunnel; and means, including a combined material-transfer device and air lock, to move material from the tunnel end of the passage into the lower end of the well.

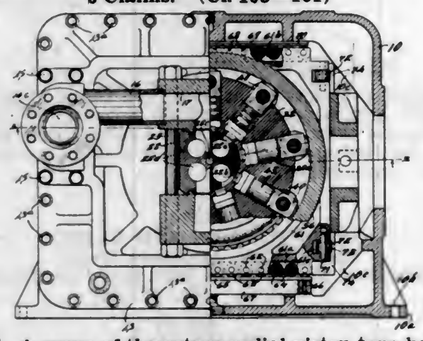
2,190,065
DISPLAY RACK
Francis D. Griffin, Battle Creek, Mich., assignor to United Steel & Wire Company, Battle Creek, Mich.
Application January 7, 1939, Serial No. 249,676
2 Claims. (Cl. 211—71)



1. A rack for storing bottle cartons and the like comprising an endless rectangular border frame comprising side and end members, cross members disposed in the plane of the frame and having their ends in abutting relation to the inner sides of the end members of the frame and butt-welded thereto, said cross members being uniformly spaced relative to each other and to the border frame side members and parallel therewith, cross slats disposed on the undersides

of said cross members and the side members of the frame and welded thereto providing a bottom on which cartons may be disposed between said frame side and cross members, and a plurality of leg members having U-shaped bends therein constituting legs disposed on the undersides of said frame side and cross members and welded thereto, there being leg members positioned adjacent but at the inner side of the end members of the frame, such leg members constituting supports for said cross members adjacent their points of attachment to the frame end members.

2,190,066
ROTARY RADIAL PISTON PUMP
John B. Hawley, Jr., Minneapolis, Minn., assignor to Reconstruction Finance Corporation, Minneapolis, Minn., a corporation of the United States
Application August 28, 1936, Serial No. 98,300
6 Claims. (Cl. 103—161)

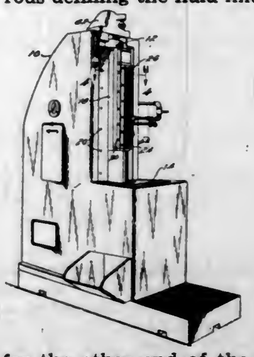


1. A pump of the rotary radial piston type having in combination, a pintle having a portion integral therewith having substantially parallel sides, spaced intake and spaced discharge passages extending longitudinally of said pintle, said pintle having an opening through one of said parallel sides communicating with said intake passage and having an opening through the other of said parallel sides communicating with said discharge passage, annular grooves in said sides about each of said openings, intake and outlet members having openings therein with annular ribs thereabout fitting respectively in said grooves and means for clamping said intake and outlet members to said pintle whereby said pintle may have flexing movement about the axis of said grooves.

3. A pump of the rotary radial piston type having a pintle flexibly supported only at one end, a cylinder block rotatable about said pintle and running about bearings spaced longitudinally of said pintle and carried thereby, a housing, said cylinder block also running on a bearing in said housing adjacent the supported end of said pintle, said last mentioned bearing being of larger diameter than said first mentioned bearings, said cylinder block being movable a short distance relatively to said pintle transversely thereof adjacent the supported end of the latter.

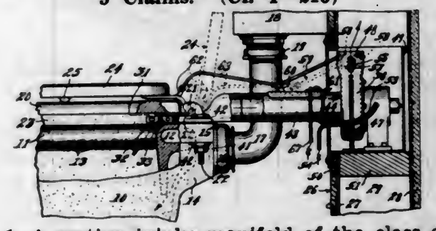
2,190,067
BROACHING MACHINE
William A. Hart, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan
Application September 28, 1935, Serial No. 42,619
1 Claim. (Cl. 90—33)

In a broaching machine having a frame provided with longitudinally extending ways thereon, a cylinder closed at one end and positioned parallel to and between said ways, guiding means on said cylinder and engaging said ways so as to give guiding support to said cylinder at points adjacent the ends of the cylinder, a stationary piston in said cylinder, a pair of concentric hollow piston rods extending through the other end of said cylinder and connected to said piston for supporting the same, the inner of said hollow rods defining the fluid inlet and outlet passage for one end of the cylinder and the space between the rods defining the fluid inlet and out-



let passage for the other end of the cylinder, a stationary piston rod supporting head secured to the frame adjacent one end of the ways and having a pair of separate fluid passages formed therein, the inner rod being fixedly connected to and supported by said head in fluid communication with one of said head passages, and the outer rod being fixedly connected to and supported by said head with the space between said rods in fluid communication with the other head passage, and means on said cylinder intermediate its ends for supporting a broaching tool.

2,190,068
LAVATORY DEVICE
Ewald Henschler, Blue Island, Ill.
Original application May 13, 1938, Serial No. 207,681. Divided and this application September 24, 1938, Serial No. 231,516
5 Claims. (Cl. 4—213)

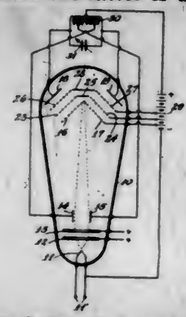


1. A suction intake manifold of the class described comprising a hollow member having a freely open front with spaced webs forming supporting and division walls disposed edgewise to the front and along the entire edge of the open front and an outlet at the back.

2,190,069
SPACE DISCHARGE DEVICE
Hans Erich Hollmann, Berlin-Lichterfelde, Germany, assignor to Radio Patents Corp., New York, N. Y., a corporation of New York
Application April 14, 1937, Serial No. 136,748
In Germany June 23, 1936
10 Claims. (Cl. 250—27)

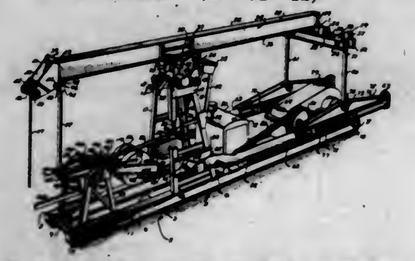
1. In a discharge device, means for producing

a concentrated electron beam, means for deflecting said beam, a pair of foraminous target anodes having high secondary electron emission characteristics and arranged at an angle whose bisecting plane coincides with the axis of said electron beam in its normal position, whereby said target anodes are impinged differentially by gradually varying cross-sectional portions of said electron beam when the latter is deflected in oppo-



site directions between a central and two limit positions in accordance with variations of an applied input signal to be translated, a pair of further anodes arranged at the side of said target anodes opposite from said electron beam in spaced relation to said target anodes, means for maintaining said further anodes at a positive potential relative to said target anodes, and a push-pull output circuit connected to said further anodes.

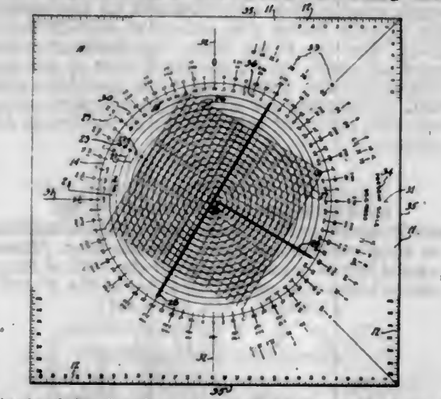
2,190,070
PUMPING UNIT
Hiram A. Holzer, Pittsburg, Kans., assignor to United Iron Works Company, Pittsburg, Kans., a corporation of Delaware
Application September 14, 1938, Serial No. 229,907
9 Claims. (Cl. 74—41)



1. In a pumping unit of the character described, a fixed support, a walking beam, a link having one end pivotally mounted on the support, means swingingly fulcruming the walking beam on the other end of the link, means for oscillating the walking beam, a bell crank having a fixed pivotal support, a link connecting one arm of the bell crank with the walking beam, a counterbalance weight on the other arm of the bell crank, and means connecting the bell crank with said link that is mounted on the fixed support to effect shifting movement of the beam incidental to oscillation thereof.

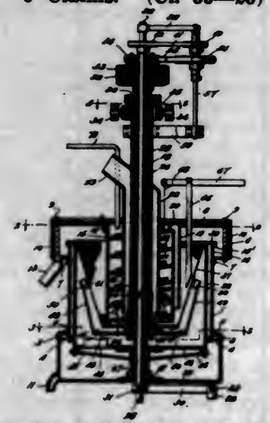
2,190,071
CALCULATING PROTRACTOR
William M. Keppers, Portland, Oreg.
Application June 19, 1937, Serial No. 149,192
4 Claims. (Cl. 33—75)

1. A device of the class described consisting of a rectangular member having a circular opening formed therein and having a transparent rotatable disc mounted therein, said member and disc having units of circular measure indicated about the adjacent edges of the disc and opening to coincide with each other, said disc being char-



acterized by having at least two radial slots at right angles formed through a portion of its diameter through which slots a pencil point may be inserted and moved to form a line on a surface beneath same.

2,190,072
GRAIN WASHER AND DRIER
Opie P. Keys, Jonesboro, Tenn.
Application November 13, 1937, Serial No. 174,434
6 Claims. (Cl. 83—28)



6. In a washer and drier, a washing apparatus including a casing and means for conveying material upwardly in the casing to an outlet at the top thereof, a hanger for said washer mounted for universal swinging movement whereby the washer has movement in a circular path, a rotary drier surrounding said casing and rotatable relative thereto and moving with the washer during swinging thereof, means for imparting rotary motion to said drier, and means for imparting swinging movement to the washing and drying apparatus during rotation of the drier.

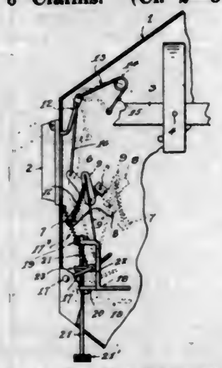
2,190,073
TRAIN CONTROL SYSTEM
Charles T. Knudsen, Chicago, Ill.
Application February 4, 1937, Serial No. 124,071
5 Claims. (Cl. 104—26)

1. A system of switching cars in a car yard having a plurality of branch tracks connected to an inclined main track, including the steps of moving a train consisting of a plurality of coupled cars onto said main track, stopping and thereafter reversing the movement of the train by a force applied to the uppermost car of the train, uncoupling the lower end car or cars to be switched, and immediately thereafter



applying from a central point near the main track and extraneous to the cars a retarding action on the balance of train cars with at least the greatest braking effect on the lower end car to cause stopping of the train and thereby maintaining the compact arrangement between individual train cars, said uncoupled end car or cars proceeding under momentum to selected branch tracks.

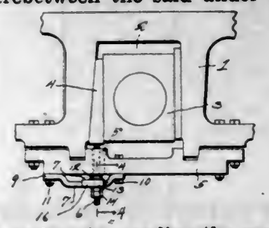
2,190,074
WELDER'S HELMET
Ross E. Locher, Peoria, Ill.
Application November 9, 1938, Serial No. 239,602
6 Claims. (Cl. 2—8)



1. In a helmet for the purpose described, the combination with the helmet body and a hinged window therefor having an arm fixed with respect thereto, of a U-shaped spring the arms of which normally tend to spread, the extremity of one of said arms having a pivoted mounting on said body and adapted to swing about such mounting, the other arm being pivotally connected directly with said arm of the window and swingable with the latter to either of the window positions in the swing of the entire spring about said mounting of the first named arm thereof, and means connected to a part of the named structure for positively swinging the window in either direction.

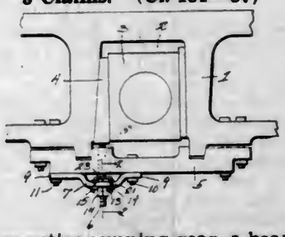
2,190,075
LOCOMOTIVE WEDGE BOLT NUT LOCK DEVICE
Dumont Love, St. Augustine, Fla.
Application May 5, 1938, Serial No. 206,286
1 Claim. (Cl. 151—57)

In locomotive running gear, a wedge bolt, a pair of superposed spaced plates through which said bolt passes, a nut threaded on the bolt between the plates, a holding means for said nut comprising a plate resting upon the under one of said first plates and having an edge recess of polygonal outline to conform to the outline of and snugly receive said nut, flanges formed along opposite edges of said last plate spaced to snugly receive therebetween the said under one of the



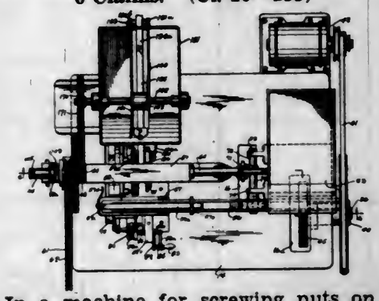
first plates, and a pin coupling the recessed plate and the said under plate together.

2,190,076
LOCOMOTIVE WEDGE BOLT NUT LOCK DEVICE
Dumont Love, St. Augustine, Fla.
Application May 5, 1938, Serial No. 206,287
3 Claims. (Cl. 151—57)



3. In locomotive running gear, a bearing wedge bolt passing through two opposed plates and carrying two nuts disposed one above and one below one of the plates, a locking means for the nut lying between the plates consisting of a substantially U-shaped member having spaced legs, the legs of the member being sufficiently spaced to receive said one plate therebetween, each of said legs having a slot formed therein from and opening through the end edge thereof to receive one of said nuts, and means connecting the legs of the member together and extending across and securing the member against removal from the said one plate.

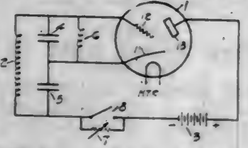
2,190,077
BOLT NUTTING MACHINE
Walter Majusick, Cleveland, Ohio, assignor of one-third to Walter L. Pierce, Lakewood, Ohio
Application August 11, 1938, Serial No. 224,279
6 Claims. (Cl. 10—155)



1. In a machine for screwing nuts on bolts, the combination of a bolt carrying wheel rotating step by step, a rotary and reciprocating shaft having a socket head thereon engaging the head of a bolt while it is held by the wheel

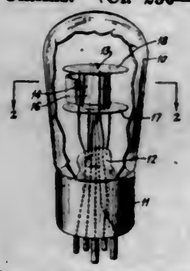
in the threading position, a nut holder reciprocating in axial alinement with said shaft and adapted to hold a nut while the bolt is screwed thereinto, and means to simultaneously move said shaft and said holder axially toward and from each other, and means to rotate the shaft, whereby said axial movement of the shaft causes the bolt to be advanced to engage the nut while the latter is being advanced by the holder.

2,190,078
LOW FREQUENCY OSCILLATOR
Jerome Markowitz, Allentown, Pa.
Application December 1, 1938, Serial No. 243,363
6 Claims. (Cl. 250—36)



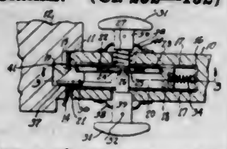
4. An oscillator of high degree of frequency stability comprising a space discharge device having a cathode anode and grid, an oscillatory frequency control circuit associated with said space discharge device, said circuit including an inductance connected between said anode and grid, a capacity means connected in parallel with at least a substantial portion of said inductance, the value of said capacity means being so large that it is just short of that point which would prevent oscillation, means for connecting said cathode to said control circuit whereby feedback is produced, a plate supply circuit for said oscillator, means for applying between said cathode and anode a voltage sufficient to cause said circuit to oscillate and means for interrupting said voltage and means for applying during said interruptions a voltage between said cathode and anode great enough to maintain oscillation for a relatively short period of time, but not great enough to maintain continuous oscillation, said oscillator being constructed and arranged to operate at audio frequency.

2,190,079
GAS DISCHARGE TUBE
Wilber L. Meier, North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 29, 1937, Serial No. 171,637
7 Claims. (Cl. 250—27.5)



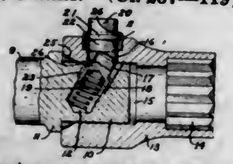
1. An electron discharge device having an envelope containing a vapor atmosphere, a thermionic cathode within said envelope for emitting electrons, discharge control means surrounding and enclosing said cathode but electrically insulated therefrom and provided with a single opening through which said electrons may pass, and an anode outside of said control means and outside of a direct line with said opening but symmetrically positioned with respect to the control means and said cathode whereby the control means shields said cathode from the anode so that the field from the anode does not extend to said cathode.

2,190,080
DOOR LATCH
Roland E. Ott, Portland, Oreg.
Application February 19, 1938, Serial No. 191,444
3 Claims. (Cl. 292—192)



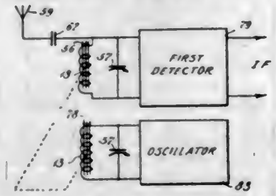
2. A latch for a closure comprising a casing, a spring projected reciprocating carrier in said casing, a latching member having opposed cam faces pivoted at one side in said carrier to normally project therefrom for engagement with a keeper, toggle links having one end connected to the other side of the latching member and the other end connected with the carrier so that when the links are aligned the latching member will be restrained from pivoting, whereby the carrier will be reciprocated upon slamming of the door by engagement of one of the cam faces of the latching member with the keeper, and means adapted to break the toggle links whereby said latching member will pivot to present the other cam face to the keeper so that upon movement of the closure to open condition the carrier will reciprocate to free the latching member from the keeper.

2,190,081
COUPLING
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 22, 1938, Serial No. 186,288
2 Claims. (Cl. 287—119)



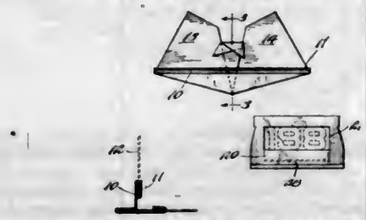
1. In a device comprising an outer member having an opening, an inner member movable longitudinally within said opening, one of said members having a transverse bore and the other having a recess alineable with the open end of said bore, and a detent plunger slidable in said bore and being engageable with said recess to hold said members assembled; the improvement comprising the formation of said bore with enlarged diameter at its end adjacent said recess, the formation of said detent plunger with large and small diameters separated by an abutment and with the portion of larger diameter slidably coacting with said bore portion of smallest diameter while the portion of smallest diameter is cooperable with said recess to latch the members together, and a guiding and retaining collar for the plunger snugly fitted within said bore portion of larger diameter and having an inner diameter approximately equal to and alineable with the bore portion of smallest diameter so as to also slidably coact with said plunger portion of largest diameter, said collar having an inwardly projecting integral flange at its outer end with which said plunger portion of smallest diameter is constantly slidably cooperable and which flange is engageable with said abutment to limit the outward movement of the plunger.

2,190,082
PERMEABILITY-TUNED SUPERHETERODYNE RECEIVER
Wladimir J. Polydoroff, Wilmette, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Original application April 22, 1933, Serial No. 667,368. Divided and this application January 21, 1937, Serial No. 121,460
14 Claims. (Cl. 250—20)



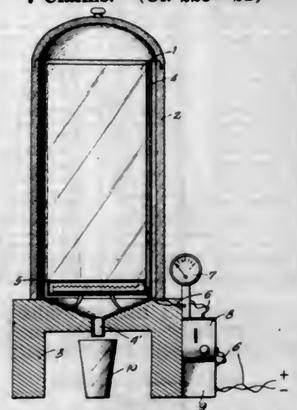
1. A plurality of resonant circuits tunable over a range of frequencies by tuning means which simultaneously varies the effective values of the inductance in each of said circuits, electrical means for adjusting said circuits to substantially the same maximum frequency, magnetic means for adjusting said circuits to substantially the same minimum frequency, mechanical means for adjusting said circuits to substantially the same frequency intermediate said maximum and minimum frequencies, and an additional resonant circuit having inductance, capacitance and tuning means of such values that said additional circuit is tuned over a range of frequencies differing from that covered by the remaining resonant circuits but having a definite and desired relation thereto.

2,190,083
DISPLAY DEVICE
James W. Redfield, Chicago, Ill., assignor to The Tablet & Ticket Co., Chicago, Ill., a corporation of Illinois
Application November 18, 1938, Serial No. 241,128
7 Claims. (Cl. 40—152.1)



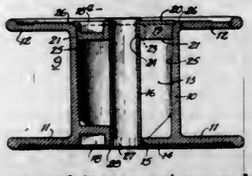
1. A display device comprising a piece of sheet material having a top portion bent to form a planar upstanding member adapted to hold a card, an intermediate portion extending forwardly of said member, two bottom portions each bent at an angle with respect to said member and extended under said intermediate portion and member, said bottom portions overlapping each other rearwardly of said member, and means engaging said overlapping portions for holding the same together.

2,190,084
METHOD OF DISPENSING COLD DRINKS
Peter Schlumbohm, New York, N. Y.
Application June 22, 1937, Serial No. 149,724
In Germany June 22, 1936
7 Claims. (Cl. 225—21)



1. The method of dispensing a predetermined volume of liquid, comprising the application of a predetermined amount of heat to a frozen mass of said liquid.

2,190,085
SPOOL
Chester C. Scholl, Chicago, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1938, Serial No. 191,453
4 Claims. (Cl. 242—123)

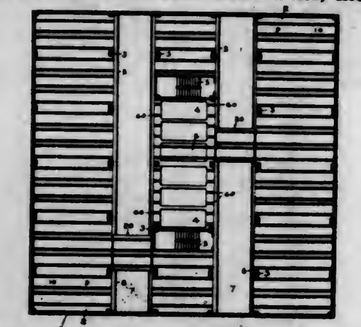


1. A spool comprising a cast or molded tubular body, the bore of which is open at one end and partially closed at the other end by a support formed integrally with said body, a bearing tube extending longitudinally through the bore of said body and supported at one end by said support, and an annular disc seated in the open end of said body, said body having an annular recess adjacent the open end of said bore for seating said disc and the inner wall of said bore being provided with a plurality of spaced, tapered slots, said annular disc being provided with tapered projections for engaging said tapered slots whereby said disc may be accurately centered in said bore and may be keyed to said body.

2,190,086
AUTOMOBILE PARKING APPARATUS
August F. Slater, Seattle, Wash.
Application July 12, 1937, Serial No. 153,298
1 Claim. (Cl. 214—16.1)

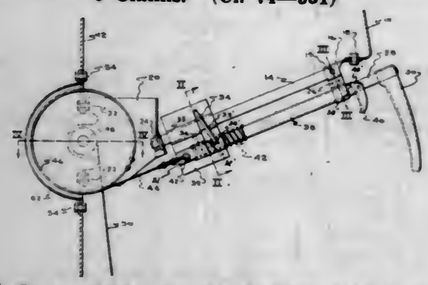
In a building for parking automobiles, a plurality of parking floors having a plurality of tandem parking stalls, elevator shafts, and passages connecting the shafts and stalls, a lift in each shaft, and a carrier in each passage designed to carry automobiles abreast, fixed units of material width intermediate said passages and shafts,

standard gauge automobile tracks with rails having upstanding flanges fixed thereto and extending the lengths of the lifts, carriers, stalls and across the width of said fixed units, means on



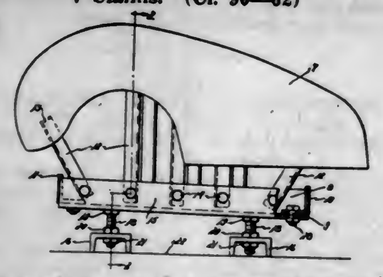
the lifts, carriers and in the stalls for raising either track end thereof so that automobiles on the tracks can be rolled by gravity in either direction.

2,190,087
BRAKE MECHANISM
Samuel A. Snell, Jackson, Mich., assignor to Townsend F. Beaman, Jackson, Mich.
Application February 25, 1939, Serial No. 258,378
6 Claims. (Cl. 74—531)



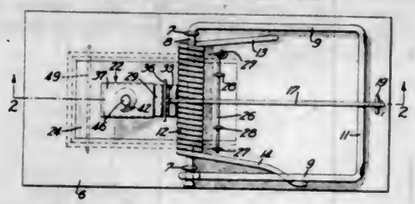
1. In a vehicle, the combination with a dash and instrument panel in spaced relation, of a bracing bar connected at opposite ends to said dash and panel, a brake actuator bar disposed in parallelism with said bracing bar, means supporting said actuator bar from said bracing bar for lengthwise movement, a clutch member interposed between said bars and movable with said actuator bar along said bracing bar, and means upon said actuator bar for releasing said clutch.

2,190,088
TEMPLET
Alexander P. Stewart, Detroit, Mich.
Application September 28, 1937, Serial No. 166,167
7 Claims. (Cl. 90—62)



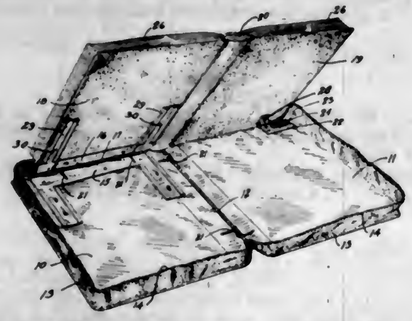
1. A profiling machine templet comprising a body having a contact surface formed thereon; supporting legs projecting outwardly from said body; a supporting frame attached to said supporting legs and fixed relatively to said body; attaching means carried by said frame adapted for being attached to a supporting surface; and means for adjusting the relative position of said frame to said attaching means.

2,190,089
ANIMAL TRAP
Alfred D. Sund, Santa Rosa, Calif.
Application December 13, 1937, Serial No. 179,479
5 Claims. (Cl. 43—81)



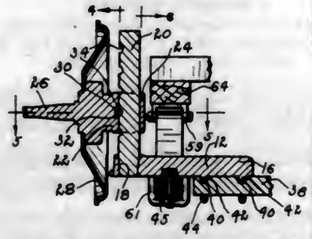
1. An animal trap comprising a base having an opening therein, a member within said opening and pivotally connected at one end thereof to said base, powered mechanism on said base adapted to be set to ensnare an animal and including a releasable element overlying said member, a trigger pivotally mounted on said member and having an arm releasably engaged with said releasable element and a bait arm, and means slidably engaged with said bait arm for attaching a quantity of bait thereto.

2,190,090
SELF-OPENING PORTFOLIO
Harry L. Tharp, Denver, Colo.
Application September 29, 1938, Serial No. 232,318
8 Claims. (Cl. 281—33)



1. A self-opening portfolio comprising: two case members; a first hinge member securing said case members together; spring means for opening said first hinge member; an upstanding edge around each case member which when said case members are brought together forms a complete enclosure; latching means for securing said case members together; a pair of hinged-together binder boards; a second hinge member securing the bottom edge of one of said boards to one of said case members at right angles to the first hinge member, the hinge between the binder boards overlying the first hinge member in parallel relation therewith; and spring means for opening the second hinge member simultaneously with the opening of the first hinge member.

2,190,091
ADJUSTABLE TRAILER AXLE
Orrin J. Wolfe, Bellingham, Wash.
Application June 7, 1937, Serial No. 146,888
Renewed July 19, 1939
2 Claims. (Cl. 301—132)



1. In a vehicle axle structure, the combination with a frame, an axle portion mounted on the frame and having an end socket, a post angular in cross section and fitted in said socket, and said post having a series of vertically spaced horizontally extending grooves in its outer face, of a wheel-spindle, a housing rigid with the spindle, said housing being angular in cross section and adjustable on the post, said housing also having a groove co-acting with the first mentioned groove to form a horizontal socket, and a fastening pin mounted in said horizontal socket.

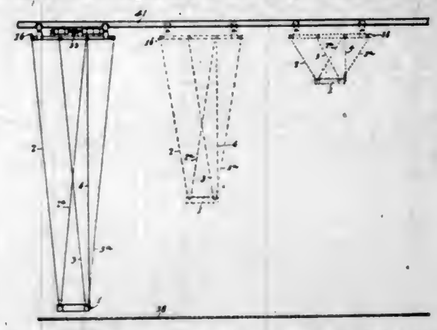
2,190,092
CAP FOR USE WITH VARIOUS TYPES OF VESSELS FROM WHICH IT IS DESIRED TO DISPENSE MEASURED QUANTITIES OF FREE FLOWING MATERIALS
Clarence H. Bailey, Seattle, Wash.
Application August 22, 1938, Serial No. 226,194
3 Claims. (Cl. 221—98)



1. A measuring and dispensing cap for receptacles comprising a cover, a transparent housing subjoined thereto having measuring indicia thereon and provided with inlet and discharge ports, a valve and operating means therefor in the lower extremity of said housing for discharging excess material into the receptacle, and means connecting said discharge port with the exterior of the cover.

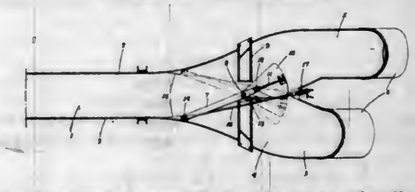
2,190,093
SUSPENSION SYSTEM FOR A CAMERA AND LIGHT STAGE
John Bossart, Los Angeles, Calif., assignor to Loew's Incorporated, a corporation of Delaware
Application June 23, 1939, Serial No. 280,762
7 Claims. (Cl. 304—17)

1. In a supporting system for a movable stage, the combination of a carriage and a rectangular stage, said stage having four sets of paired cables attached to two opposite sides of said stage adjacent the corner, the paired cables supported from said carriage at equal distances so that the two cables of said paired cables make an angle between cables and the angle between any two cables of a pair is equal to the angle between the cables of any other pair, a pair of cables adjacent either of the remaining sides of the stage, and extending



in a plane at right angles to the plane of the other pair of cables and supported from the carriage so that the angles between them are equal to the angles between the two cables of any other pair.

2,190,094
SACK CHUTE AND SWITCH
William M. Brenchley, Stockton, Calif.
Application April 16, 1938, Serial No. 202,482
7 Claims. (Cl. 193—31)

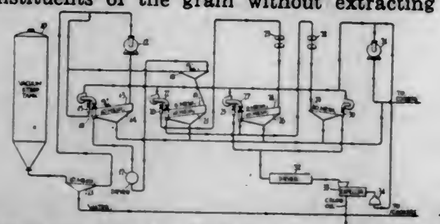


1. In a chute assembly for two-way distribution of individual articles, said assembly including a chute to receive articles in single file order, a pair of chute branches at one end of said chute, a gate disposed lengthwise in the chute adjacent the chute branches, a pin pivoting the gate intermediate its ends for swinging movement in a plane laterally of the chute, a snap action spring device applied to the gate to yieldably hold the same in angular relation to the chute and in position to engage and divert an article moving along said chute into one of the branches, the opposite sides of the gate rearwardly of the pin flaring from each other so as to project into the path of an article diverted into either branch sufficiently to cause engagement and continued movement of the article with the corresponding flaring side to swing the gate past a dead center position; the portion of the gate rearwardly of the pin being in the form of a member pivoted on said pin for swinging movement independently of the remainder of the gate, and another spring of greater tension than the spring of the snap action device acting on said member to yieldably resist swinging movement thereof.

2,190,095
DEGERMINATION PROCESS
Charles R. Brown, Champaign, Ill., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 22, 1936, Serial No. 75,730
7 Claims. (Cl. 83—42)

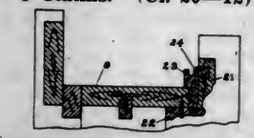
1. The process of treating germ-containing grain which comprises placing the grain in a container, removing air from said container to

create a substantial vacuum within the interstices of said grain, covering the grain with a steeping liquid, subjecting this liquid to atmospheric pressure and thereby increasing the pressure under which the grain is maintained, subjecting the grain to the steeping effect of the liquid for a number of hours, the degree of the vacuum, the pressure subsequently applied, and the duration of the steeping being so inter-related as to effect thorough softening of the starch constituents of the grain without extracting a



large proportion of the material contained in the germs, so that the germs retain many of their ingredients which have relatively high specific gravity and the starch-containing fraction of the grain remains substantially free of bacterial contamination, disintegrating the starch by cracking the outer constituents of the steeped grain without cracking the germs and finally separating cracked grain particles from germs by a sequence of screening and aspirating operations.

2,190,096
WINDOW FRAME
Harry W. Cook, Malta, Ohio
Original application May 2, 1938, Serial No. 205,852. Divided and this application December 30, 1938, Serial No. 248,540
3 Claims. (Cl. 20—12)



1. In a window frame or the like having a pulley stile and a weight box, a readily removable inside sash stop, an inside strip secured to the pulley stile and extending into the weight box, a weight box cover or casing strip removably engaged at one edge with said sash stop and provided near its other edge with a readily removable hook member for engaging said inside strip.

2,190,097
SASH BALANCE CASING
Owen L. Dautrick, Detroit, Mich.
Application January 12, 1938, Serial No. 184,515
6 Claims. (Cl. 20—52)



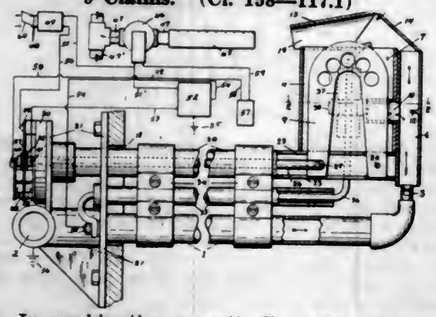
1. The combination with a window casing having a box-like compartment at its top; of a spring balance mechanism disposed in said compartment, a bottom closure for said compartment, and an elongate flexible member operatively connected to said mechanism and passing thru an opening in said closure, said closure having a section removable independently of the portion of said closure containing said opening.

2,190,098
SASH BALANCE
Owen L. Dautrick, Detroit, Mich.
Application August 5, 1938, Serial No. 223,173
9 Claims. (Cl. 16—198)



1. A sash balance mechanism comprising a rod supported for rotative movement, a winding drum rotatably supported at one end of said rod and adapted to have a flexible member connectible to a sash wound and unwound thereon, an elongate coiled spring surrounding said rod and extending away from said drum, one end of said spring being connected to said drum, and the other end of said spring being connected to said rod for rotative movement therewith, means adjacent the latter connection of the spring for manually rotating said rod in one direction to tension said spring, means for latching said rod against rotation in the opposite direction, said latter means including a projection carried by said rod, and a hinged plate having its free end normally riding on said rod in the path of travel of said projection.

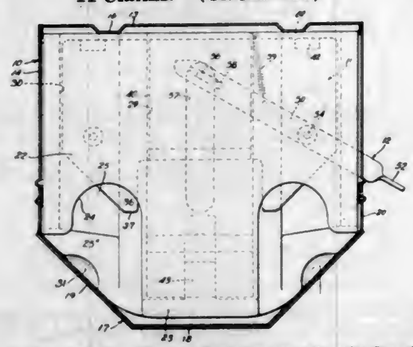
2,190,099
FLUID FUEL BURNER DEVICE
Otto W. Hahn, San Francisco, Calif., assignor to Industrial Research Laboratories, Ltd., a corporation of Nevada
Application December 8, 1934, Serial No. 756,622
9 Claims. (Cl. 158—117.1)



1. In combination, a vertically positioned tubular body, a pilot burner having a flame aperture in a gas pressure line, said pilot burner being disposed within said tubular body with its flame aperture at a point spaced from the ends thereof, the walls of said body being imperforate at the level of said flame aperture for shielding flame developed at said aperture against side drafts, a cover plate over the upper end of said body formed to provide a laterally directed flame outlet at the side of the body at its upper end and to dampen the effect of vertical drafts and an air inlet at the lower end of said body below said flame aperture for admitting air to said body for mixing with gas from said aperture to normally promote combustion within the upper end of the body below the flame outlet, means enclosed within said body below said flame outlet

and extending over said flame aperture responsive to heat developed at said flame aperture for movement for doing work.

2,190,100
TOWEL CABINET
Leo M. Harvey, Los Angeles, Calif.
Application June 9, 1936, Serial No. 84,330
Renewed May 13, 1939
11 Claims. (Cl. 312—56)



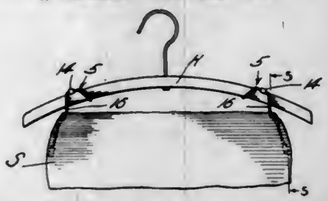
5. A device for dispensing paper sheets having folded corner portions, including a case shaped and proportioned to receive a stack of said sheets and having a discharge opening, means supporting said stack in the case with its lower end above said opening and with said folded corner portions free and unsupported, and means for unfolding said corner portions and projecting them downwardly and outwardly through said opening to be accessible for the purpose of withdrawing the sheets, the last mentioned means including a translatable member movable in the case, means supporting the member for movement in a direction to unfold the said corner portions, means guiding the member downwardly and toward said opening during its movement, and a pivoted manual lever operatively associated with the member to move the same.

2,190,101
TOWEL CABINET
Leo M. Harvey, Los Angeles, Calif.
Application January 24, 1938, Serial No. 186,645
9 Claims. (Cl. 312—55)



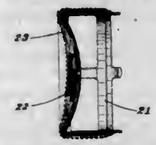
1. A device for dispensing paper sheets each having at least one portion folded back upon itself, the device including a case having a discharge opening at its forward portion, means for supporting a stack of the towels in the case with their folded-back portions at their under sides, an ejector in the case, means supporting the ejector for movement toward and away from the opening, an element pivotally carried on the forward end of the ejector to move therewith and having a part engageable in the fold of the lowermost sheet of the stack to move the lowermost sheet, and a part fixed in the case cooperating with the element to pivot the element downwardly relative to the ejector during movement of the ejector toward said opening so that said part of the element moves the said folded-back portion of the sheet downwardly and forwardly to a position where its folded-back portion protrudes from the opening whereby the said sheet has a part of double thickness accessible to the user.

2,190,102
GARMENT HANGER
Carl B. Herzinger, Los Angeles, Calif.
Application October 19, 1937, Serial No. 169,816
2 Claims. (Cl. 223—95)



1. A garment hanger comprising a support, and a pair of garment engaging members slidably mounted thereon, each of said garment engaging members being formed of a single piece of spring wire bent upon itself to form depending garment engaging legs, bridge means connected with the legs adjacent the bent portion to form a closed loop, the bridge means engaging the upper edge of the support and the bent portion engaging the lower edge of the support, whereby when a garment is supported from the legs of said garment supporting members the tension of the suspended garment against the legs of the hangers will cant the looped ends of the garment supporting members to lock the same in rigid engagement with the support.

2,190,103
FILTER
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application September 2, 1937, Serial No. 162,103
4 Claims. (Cl. 183—49)

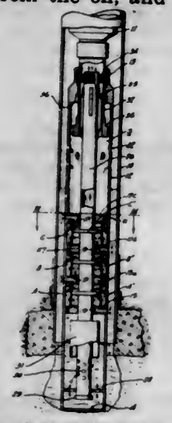


1. A filter comprising a frame of substantially cylindrical form having a depression at one end, a covering of fabric of a length to extend beyond the cylindric height of said frame, said covering being secured around the periphery of said frame and the excess length of said fabric being loosely folded in said depression, and an outer covering of frabric secured to said frame and enclosing said first-named covering.

2,190,104
METHOD OF AND MEANS FOR SEPARATING OIL AND GAS
Clifford T. McCoy, Shawnee, Okla.
Application May 14, 1938, Serial No. 207,923
25 Claims. (Cl. 103—203)

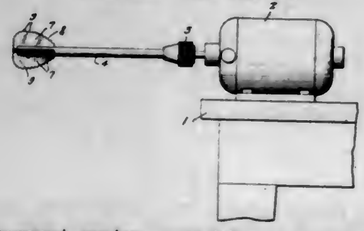
1. An oil and gas separator adapted to be lowered to the lower end of a well bore including, a housing having a separating chamber for receiving the well fluid consisting of a gas-oil mixture,

movable means for agitating the mixture to separate the gas from the oil, and means for con-



ducting the separated oil to the well tubing string whereby said oil may be lifted within said string.

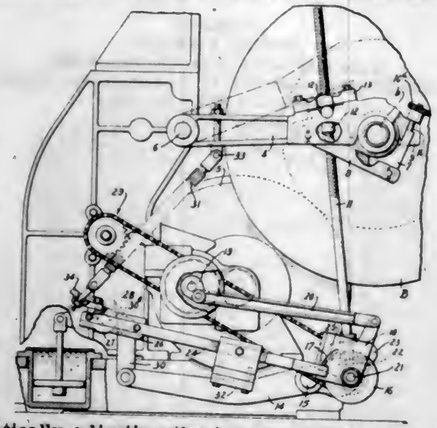
2,190,105
COCONUT GRATER
Stanley Hon Mock, Honolulu, Territory of Hawaii
Application September 29, 1938, Serial No. 232,398
1 Claim. (Cl. 146—6)



A coconut grater comprising motor operated means, a grating tool including a shank having one end portion detachably secured to the motor operated means for rotating the tool, said shank having a pair of slots extending longitudinally thereof from its outer end for a portion of its length and transversely therethrough to intersect each other along the longitudinal axis of the shank, flat substantially semi-circular blades having straight inner edge portions seated and fixed within the slots to radiate from the shank in right angled disposed pairs and having substantially straight front and rear ends with the front ends extending forwardly beyond the shank and the rear ends abutting the rear ends of the slots, said blades having their edges opposed to the fixed edges curved inwardly from the front to the rear ends of the blades so that the forward portions of the latter are of greater width than the rearward portions, and the front ends and curved edges of the blades being notched throughout the length thereof to provide teeth.

2,190,106
WINDER
Burt A. Peterson, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application January 7, 1938, Serial No. 183,786
11 Claims. (Cl. 28—26)

1. In a winding machine, the combination of a friction driving drum, a warp beam upon which a yarn mass is to be wound, means for supporting the warp beam with the yarn mass in peripheral contact with said drum, and a counterbalancing mechanism including a spring, means for auto-



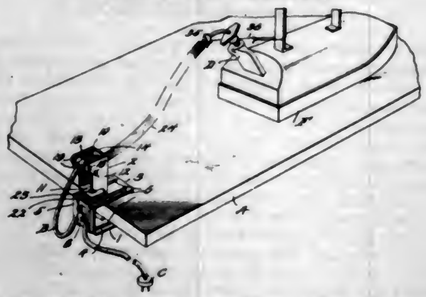
matically adjusting the tension of the spring to compensate for the gradually increasing weight of the yarn mass being wound, and a weight adjustable to compensate for variations in the weight of different yarn beams.

2,190,107
CIGARETTE AND METHOD OF MAKING THE SAME
Walter B. Pohle, East Lynn, Mass., assignor, by mesne assignments, to Tobacco Retention Corporation, a corporation of Massachusetts
Application July 23, 1931, Serial No. 552,663
29 Claims. (Cl. 131—10)



1. In a cigarette, the combination with a wrapper, of a filler, at least one end portion of which is impregnated with a coating material positioned wholly internally of the wrapper, said end portion and coating material constituting a porous plug the interstices of which are the direct resultants of the drying of the coating material.

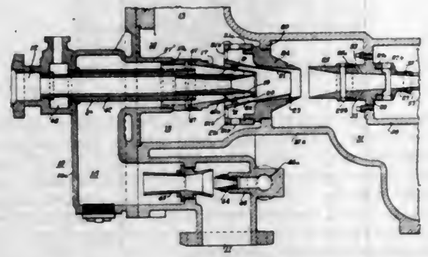
2,190,108
GUIDE SUPPORT AND FLEXIBLE CONDUCTOR
Earle D. Crammond, Washington, D. C.
Application October 26, 1935, Serial No. 46,946
Renewed July 7, 1939
2 Claims. (Cl. 248—51)



1. In a device of the character described com-

prising a conductor cord, a tubular elastic conduit for the cord, means for securing one end of said conduit in fixed relationship with a portion of said cord, and a bracket fixed to the other end of said conduit; means to minimize wear of said cord comprising a plurality of rotatable anti-friction elements supported on said bracket closely adjacent the other end of said conduit, said elements cooperating to form a passageway for said cord, said passageway being in alignment with the end of the conduit to guide said cord centrally into and from the conduit free from contact with the bracket and conduit end.

2,190,109
LOW PRESSURE STEAM INJECTOR
Walter Howard Tinker, Muncie, Ind., assignor to George A. Ball, Muncie, Ind.
Application July 9, 1937, Serial No. 152,729
13 Claims. (Cl. 103—265)

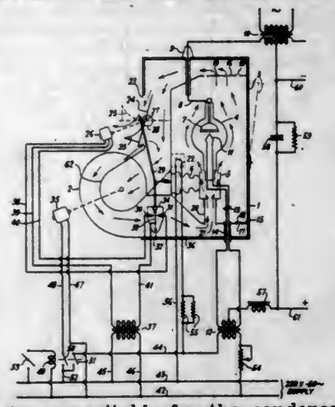


1. A method of delivering water into a boiler, which consists in creating a flow of water in the form of an annular stream, subjecting such stream to the impelling action of condensible motive fluid moving at a high velocity and surrounding such stream, simultaneously subjecting such stream to the impelling action of a condensible motive fluid delivered to the interior thereof and moving at a velocity substantially greater than that of the motive fluid surrounding said stream, gradually contracting said stream while combining it with such motive fluid by condensation thereof and while maintaining its annular form and the flow of high velocity motive fluid throughout the hollow interior thereof, consolidating said annular stream into a solid stream moving at a high velocity, converting the kinetic energy thereof into potential energy in the form of pressure and delivering such water to a boiler under such pressure.

2,190,110
COOLING SYSTEM
George Lindley Usselman, Port Jefferson, and Clarence W. Hansell, Rocky Point, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application December 12, 1936, Serial No. 115,492
Renewed July 11, 1939
11 Claims. (Cl. 250—27.5)

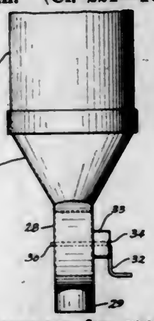
1. A system for regulating the temperature of a mercury vapor rectifier tube having a quantity of mercury subjected to condensation normally located within the lower portion thereof whereby arc-backs in said tube are prevented by keeping the anode and upper portion of said tube free from condensed mercury vapor, comprising temperature responsive switching means adjacent said tube, and means responsive to said switching means for controlling through a series resistance the heating power supplied to the cath-

ode of said tube in such a way that the anode and upper portion of said tube are maintained at a



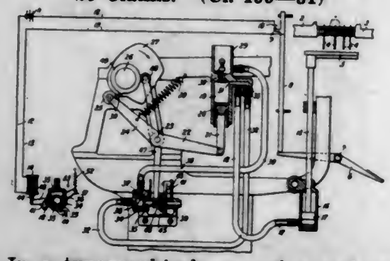
temperature unsuitable for the condensation of mercury thereon.

2,190,111
COFFEE MEASURING DEVICE
Clark L. Zellers, Maywood, Calif.
Application August 3, 1938, Serial No. 222,933
1 Claim. (Cl. 221—106)



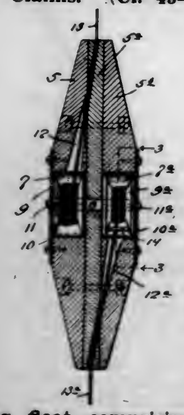
A measuring dispenser for granular material and comprising an annular threaded upper portion adapted to threadedly receive the open end of a container for said material, a conical portion formed on and depending from the threaded upper portion with its small end lowermost and for receiving material from the container, a relatively narrow cylindrical portion including vertical side walls and having its cylindrical wall formed on the small end of the conical portion, a neck depending from the cylindrical wall diametrically opposite said small end and providing a discharge spout, a shaft bridging the side walls, paddle members secured to and radiating from the shaft for disposal in wiping engagement with the cylindrical wall and side walls to provide pockets for individual registration with the conical portion to receive material therefrom and to carry the same for disposal through the discharge spout, a hub formed on and extending laterally from one side wall and having notches in its outer face radiating from the center thereof, said shaft being journaled centrally in the other side wall and the hub, a crank portion providing a handle for rotating the shaft and receivable in any one of said notches for holding opposed pockets in registration with the conical portion and the discharge spout respectively, and mounting means for the dispenser and surrounding the annular upper portion thereof.

2,190,112
TYPOGRAPHICAL COMPOSING AND CASTING MACHINE
Hermann Brandenburg, Berlin-Tempelhof, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application November 2, 1939, Serial No. 302,519
In Germany October 27, 1938
20 Claims. (Cl. 199—51)



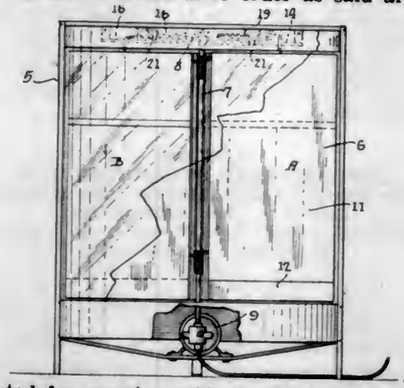
1. In a typographical composing and casting machine, the combination with means for releasing spacebands from a magazine to be assembled with a line of matrices and means for justifying the line of matrices and spacebands, said justifying means including a driving member common to all the spacebands in the line, of means controlled according to the number of spacebands in the line adapted automatically to vary the force applied to said driving member.

2,190,113
FISHING FLOAT
Bond P. Chreitzberg, Georgetown, Tex.
Application October 6, 1938, Serial No. 233,659
7 Claims. (Cl. 43—51)



1. A fishing float comprising an elongated body of buoyant material, a pair of spools journaled within said body and connected together so that rotation of one will cause rotation of the other, fishing lines wound upon the respective spools and extending outwardly through opposite ends of the body, said lines being wound upon said spools in opposite directions, and adjustable means for automatically limiting the amount of line which may unwind from one of said spools.

2,190,114
ADVERTISING DEVICE
Albert H. Christensen, Oakland, Calif.
Application March 13, 1939, Serial No. 261,593
1 Claim. (Cl. 40—104)
In an advertising device, a plurality of plates pivotally supported for movement about a central axis, a semi-circular track positioned above said plates, an arm rotatably carried above said plates, pivoted members secured to the ends of said arm for travel on said track, U-shaped members secured to said pivoted members and capable of alternately engaging and releasing each of said plates in consecutive order as said arm is



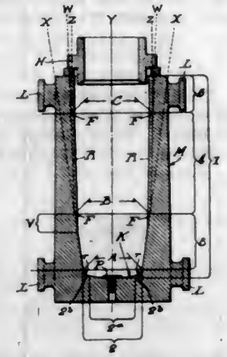
rotated for carrying said plates about a portion of said axis, latches for said plates and mounted adjacent each end of said track, one of said latches being engaged by said arm, whereby said plates will be individually released from the latter latch to be contacted by said U-shaped members to move said plates into engagement with the other of said latches.

2,190,115
SANITARY APPLICATOR FOR DOGS
Clara Louise Wolf Fuqua, Brownsville, Tex.
Application April 19, 1938, Serial No. 202,982
1 Claim. (Cl. 119—143)



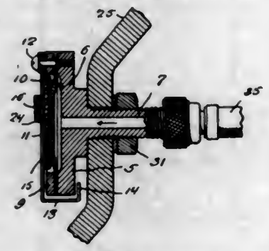
A harness of the character described comprising a body belt including several variable length straps respectively, the ends of adjacent straps being turned on themselves, adjustable runners fitting said pair of straps and having the turned ends connected thereto for varying the size of the body belt, a coupling ring loosely fitting the turned ends of said straps, means for fastening the other ends of said straps together, a substantially V-shaped adjustable croup carried by said body belt directly opposite the coupling ring and having a coupling ring associated therewith, and fastening tabs loosely connected to both coupling rings and having fasteners for separably connecting a protective pad thereto.

2,190,116
METHOD OF PRODUCING INGOTS
Emil Gathmann, Catonsville, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland
Original application June 1, 1938, Serial No. 211,285. Divided and this application December 5, 1938, Serial No. 244,105
5 Claims. (Cl. 22—213)
1. In a method of producing big-end-up ingots, chill-cooling the bottom and lower portions of at least two opposed ingot sides for a distance of from 20% to 50% of the total length of the ingot at a relatively rapid mean rate, the rate of cooling said opposed lower side portions progressively decreasing relatively rapidly and substantially uniformly throughout said opposed lower side portions from bottom to top thereof; chill-cooling the opposed intermediate side portions above and adjoining said opposed lower side portions at a rela-



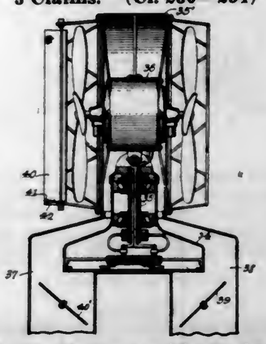
tively slower mean rate, the rate of cooling said opposed intermediate side portions decreasing progressively throughout said opposed intermediate side portions from bottom to top thereof relatively less rapidly than the decrease of cooling rate from bottom to top of said opposed lower side portions; and chill-cooling opposed extreme upper side portions at a rate still lower than the mean rate of cooling the opposed intermediate side portions.

2,190,117
INFLATION SIGNALING DEVICE
Earl W. Griffith, Dalhart, Tex.
Application March 1, 1939, Serial No. 259,266
4 Claims. (Cl. 200—58)



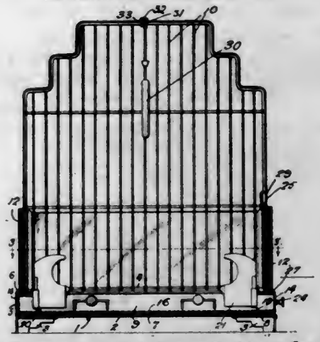
1. In a tire inflation signaling device, a pressure-operated switch comprising a disk-like body having a central inlet stem provided with external threads, a nut threaded on said stem for clamping the switch to a support with the stem extending through an opening in the latter, a clamping ring bolted to the margin of said body, a flexible diaphragm having its margin clamped between said ring and said body and providing a chamber in communication with the bore of said stem, a resilient contact strip attached at one end to one side of said clamping ring and having its other end free and extending around the edges of said body and said clamping ring and then inwardly at the inner side of said body, an insulating disk fitted in said ring between said diaphragm and said contact strip, and means for adjusting the tension of said contact strip.

2,190,118
MOTOR DRIVEN FAN
George F. Hardin, McKenzie, Tenn.
Application January 28, 1937, Serial No. 122,871
3 Claims. (Cl. 230—254)



2. An electric fan comprising a base, a motor mounted on the base, an air inlet pipe, said base being mounted within the upper end of the air inlet pipe and spaced therefrom to allow air to pass upwardly to the fan through the air inlet pipe, and means for rotatably mounting the motor on the base.

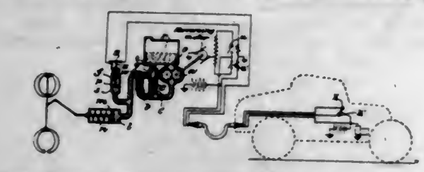
2,190,119
BIRD CAGE
Herbert G. Hoefler, New Haven, Conn., assignor to The Andrew B. Hendryx Company, New Haven, Conn., a corporation of Connecticut
Application June 10, 1938, Serial No. 213,061
11 Claims. (Cl. 119—17)



1. Bird cage comprising a base and an enclosing structure supported by said base having an opening, a tray slidably removable from said base having a front end forming a closure for the lower part of said opening, a door hinged to overhang said opening forming a closure for that part of the opening not occluded by the front end of said tray, the latter having a projection above the lower edge of said door and inwardly of said door when the tray is in fully inserted position, said door being swingable outwardly pushed by said projection as said tray is withdrawn.

2,190,120
OIL ACTUATED BRAKING SYSTEM FOR VEHICLES
Johannes Köhler, Berlin-Grunewald, Germany
Application April 19, 1938, Serial No. 202,949
In Germany February 26, 1935
10 Claims. (Cl. 188—152)
1. In an oil actuated braking system, a revers-

ible pump driven by an electric motor, an oil container connected to one side of the pump, an oil conduit leading from the other side of the pump to the braking cylinder, said conduit being pro-

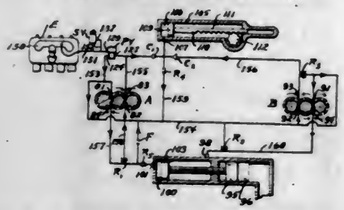


vided with a non return valve, a brake release conduit connected across said valve and means for keeping the brake release conduit closed, said means being operated to open the conduit when the pump is functioning in reverse.

2,190,121
PROCESS FOR OBTAINING COPPER LININGS
Paolo Misciattelli, Rome, Italy
No Drawing. Original application June 7, 1937, Serial No. 146,974. Divided and this application October 12, 1939, Serial No. 299,208. In Italy July 1, 1936
2 Claims. (Cl. 91—69.1)

2. The process for the production of a copper lining upon a support, comprising first producing a very thin layer of silver on said support, and then precipitating a lining of metallic copper in the cold on said thin silver layer by reduction with a reducing agent consisting of formaldehyde from a solution consisting of caustic soda, gum arabic, a cuproglycerate, and water.

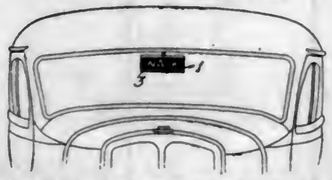
2,190,122
POWER TRANSMISSION
David D. Mohler, Syracuse, N. Y.
Application February 18, 1937, Serial No. 126,509
22 Claims. (Cl. 60—19)



1. In a hydraulic power transmission mechanism, a stationary housing, a hydraulic gear pump of constant volumetric capacity and a hydraulic gear motor of variable capacity mounted in opposite ends of said housing, and the former comprising a central gear and a planetary gear, and the latter comprising a central gear and an auxiliary gear having a fixed axis, a casing rotatably mounted in the pump end of the housing, said casing rotatably supporting the planetary gear of the pump and having passages therein for directing a hydraulic medium from a source within the housing to the pump gears, a driving member to rotate said pump casing, a driven member connected to the central gear of the motor, and means for conducting the hydraulic medium from the pump to the motor gears whereby to transmit motion from the driving member to the driven member.

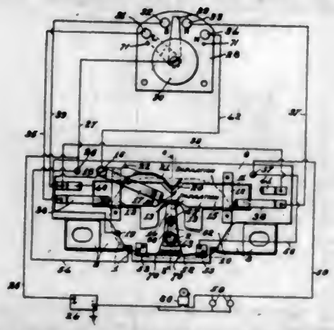
17. The combination with an internal combustion engine having an intake manifold, of a transmission comprising a driving member adapted to be connected with the engine, a hydraulic pump unit operatively connected to the driving member, a hydraulic motor unit operatively connected to the pump unit, a driven member operatively connected to the motor unit, a source of hydraulic medium communicating with the pump unit, means for conducting the hydraulic medium to the motor unit, and means automatically operable by the pressure in the intake manifold aforesaid and speed of the engine for regulating the flow of hydraulic medium from the pump unit to the motor unit, and consequently regulating the transmission ratio.

2,190,123
LIGHTING SIGNAL
Stephen C. Pace, Washington, D. C.
Application July 2, 1938, Serial No. 217,279
3 Claims. (Cl. 177—329)



3. A signal box having a wall showing the word "Walk" through a stencil, electric lighting means in the box, the latter containing a rear vision mirror so as to make a compact unit, attached to which is a conventional ball and socket joint, the whole being readily attached to any make of automobile by merely removing the standard rear vision mirror and substituting the signal box.

2,190,124
AUTOMOBILE SIGNAL
Walter Rudolph, Stroudsburg, Pa.
Application July 12, 1937, Serial No. 153,259
7 Claims. (Cl. 177—327)



3. In a signaling device for motor cars, an oscillatory motor driven shaft, a signal arm thereon to indicate intended change in the movement of the car, a switch adjacent the driver's seat for closing the circuit to the motor, a reciprocatory sliding contact member adjacent the motor driven shaft for controlling the circuit to the motor, said sliding member having a pair of spaced projections thereon, a cam arm on said oscillatory shaft adapted to engage said projections to move said sliding member, a secondary signal circuit, a secondary signal in said circuit, and means carried by the cam arm on the oscillatory shaft for intermittent closing and opening said secondary circuit when the shaft is oscillated, substantially as described.

2,190,125
WEAR-RESISTANT PLATING
Gustav Sembdner, Berlin-Tempelhof, Germany
Application February 23, 1938, Serial No. 192,178
In Germany November 23, 1935
3 Claims. (Cl. 29—168)



1. In a method of removing from a metallic support a wear-resistant layer engaged in undercut recesses of said support, the steps which comprise cutting out a portion of the wear-resistant material coextensive with the undercut recesses so that the wear-resistant layer is split up in two parts, and withdrawing the two wear-resistant parts from the undercuts so that they can be taken off from the support.

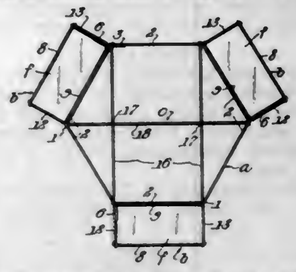
2,190,126
TALLY
William M. Sherrill and Pegram A. Bryant, Statesville, N. C.
Application May 13, 1938, Serial No. 207,808
1 Claim. (Cl. 235—123)



A tally including a body, parallel strips secured therein and arranged side by side, each strip having a longitudinal channel in one side thereof and recesses in the opposite side thereof, the top wall of each channel being cut away to provide a longitudinal slot between the strips, each channel providing means for holding a series of balls mounted to roll within the channel, a key lever associated with each channel and having an ear and an end arm mounted within the respective recesses in the strip opposite to the channel with which the lever is associated, means between the strips for pivotally engaging the ears of the key levers and pivotally supporting said levers, yielding means for holding the key levers normally in predetermined positions, upper and lower stop projections carried by the end arm of each key lever and positioned for movement into and out of the channel with which the lever is associated, said stops being relatively positioned whereby, when the lever is oscillated, the balls will be successively released for gravitation past the stops toward one end of the channel in which the balls are seated.

2,190,127
DISPLAY STAND
Frederick C. Stocker, Rittman, Ohio, assignor to The Ohio Boxboard Company, Rittman, Ohio, a corporation of Ohio
Application November 17, 1937, Serial No. 175,112
2 Claims. (Cl. 248—174)

1. In a display stand, a polygonal body member, and a bracing structure assembled within said body member, said bracing structure including three panels the side edges of which engage interior angles of the polygonal body member, two of said panels arranged in substantial parallelism, and the other panel arranged substantially normal thereto, means providing for slotted assembly of said panels whereby they are maintained in predetermined engagement, the top edges of said first-mentioned panels extending upwardly from the top edge of the third panel, and an auxiliary bracing member disposed between said upwardly extending edges and having

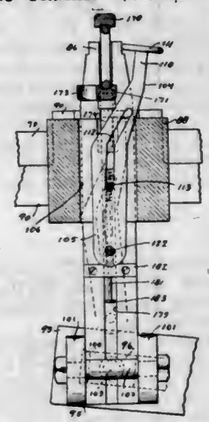


its ends in engagement with opposite sides of said body member.

2,190,128
METHOD OF TREATING SOIL
Uno G. Stone, Pierson, Fla.
No Drawing. Application September 29, 1937, Serial No. 166,418
16 Claims. (Cl. 47—58)

1. The method of treating soil to stimulate trees, plants and the like growing therein which consists in adding to said soil a substance which provides ferric citrate for assimilation by said trees, plants and the like, said substance being added to the soil in a quantity providing said ferric citrate in the proportion of approximately one-tenth pound for each foot of spread of the tree or plant radially from the trunk thereof.

2,190,129
CHAIN FORMING MACHINE
Frank E. Stahl, Tonawanda, N. Y.; Lillie M. Stahl, administratrix of the estate of said Stahl, deceased, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application September 27, 1938, Serial No. 231,957
13 Claims. (Cl. 59—25)



1. A chain forming machine, comprising a housing, a link mandrel slidably carried by the housing, means for operating the mandrel, link forming arms actuated in timed relation with the actuation of the mandrel, a link turning spindle, means for turning said spindle through an angle of substantially 90° each time a link is formed, a chain lifter slidably carried by the housing and associated with the turning spindle for lifting certain links while others are being

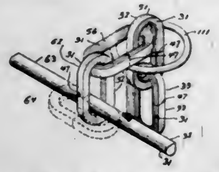
formed, and means for operating said lifter in periodic timed relation with the actuation of the mandrel.

2,190,130

METHOD OF MAKING TWISTED CHAIN

Frank E. Stahl, Tonawanda, N. Y.; Lillie M. Stahl, administratrix of the estate of said Stahl, deceased, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application September 27, 1938, Serial No. 231,958
12 Claims. (Cl. 59—35)



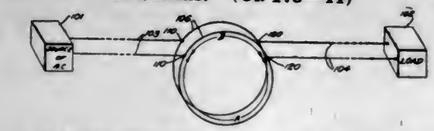
1. A method of making twisted chain formed of links, each link having a traction surface and an opposite tire-engaging surface, assembling each successive link and arranging its traction surface at substantially right angles to the traction surface of the next preceding link, and then twisting the chain, whereby the traction surfaces of the links will be positioned on one side of the chain.

2,190,131

REENTRANT NETWORK

Andrew Alford, New York, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware

Application January 2, 1937, Serial No. 118,886
17 Claims. (Cl. 178—44)



1. A filter network for use at a given high frequency in cooperation with a frequency line comprising a closed loop conductor having two terminals connected to said line at spaced points thereby forming two parallel paths through said loop the sum of said paths in electrical degrees at said given frequency being 360 and the difference between said paths being other than zero electrical degrees.

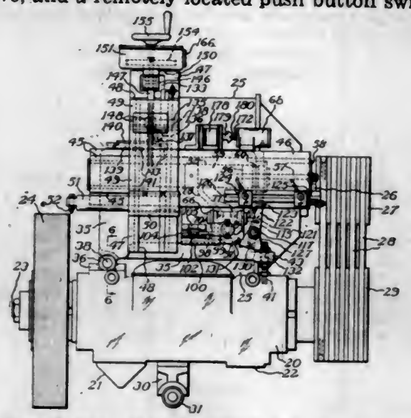
2,190,132

GRINDING WHEEL TRUING APPARATUS

Charles C. Alvord, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application July 2, 1938, Serial No. 217,289
4 Claims. (Cl. 125—11)

1. In a grinding wheel truing apparatus, a truing tool, means including a piston and cylinder longitudinally to reciprocate said truing tool, means including a dog actuated reversing valve to control the admission of fluid to said cylinder, a stop and start valve operatively connected to control the exhaust of fluid from said cylinder, a remote control therefor including a solenoid to actuate said valve, a remotely located switch to actuate said solenoid, means including a fluid pressure operated pawl and ratchet mechanism to feed said tool transversely, a control valve therefor, and a remote electrical control for said feed valve including a solenoid to actuate said valve, and a remotely located push button switch



to control said valve whereby the tool may be incrementally fed transversely as desired.

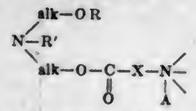
2,190,133

QUATERNARY AMMONIUM DERIVATIVES OF ALCOHOL AMINE COMPOUNDS

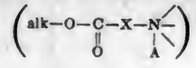
Albert K. Epstein and Morris Katzman, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill.

No Drawing. Application August 3, 1938, Serial No. 222,778
13 Claims. (Cl. 260—295)

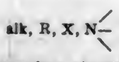
1. Quaternary ammonium chemical compounds corresponding to the formula



wherein "alk" is alkylene, R is an organic radical containing at least six carbon atoms, X is a hydrocarbon residue, A is an anion, and the three indicated valence bonds attached to nitrogen are satisfied by radicals of the class consisting of alkyls, cycloalkyls, alkylols, aralkyls, aryls, aralkylols, and the radical of a heterocyclic ring of which the nitrogen is a member, and R′ is a member selected from the group consisting of hydrogen, alkyl, cycloalkyl, alkylol, (alk-OR), and



where



and A have the foregoing significance.

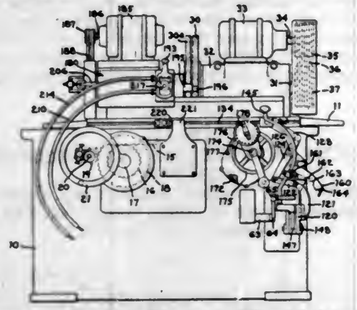
2,190,134

GRINDING MACHINE

John I. Garside, West Boylston, and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 9, 1939, Serial No. 278,330
9 Claims. (Cl. 51—105)

1. In a grinding machine having a longitudinally movable work supporting table, a transversely movable wheel slide, a rotatable grinding wheel thereon, means to traverse said table longitudinally, means including a control lever to move the wheel slide transversely in either direction, and means actuated by the longitudinal



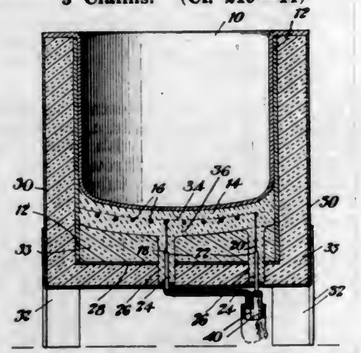
movement of said table to hold said lever so as to prevent an infeeding movement of the wheel slide except when the table is in a predetermined grinding position.

2,190,135

SOLDER MELTING POT

John D. Morgan, South Orange, N. J., and Russell E. Lowe, New York, N. Y., assignors to Power Patents Company, Hillside, N. J., a corporation of Maine

Application July 17, 1936, Serial No. 91,137
3 Claims. (Cl. 219—44)



1. A solder melting pot, comprising a pot shaped metal container for holding the solder, a sheet metal skirt surrounding and conforming to the lower portion of the container and extending downwardly a substantial distance therebelow, an electrical heating unit intimately bonded to the bottom wall of the container within the extended portion of said skirt, said heating element comprising a metallic electric resistance heating filament embedded directly in heat conducting electric insulating refractory material containing a substantial proportion of ferro-silicon, whereby heat produced by said filament is rapidly conducted to the bottom of said container.

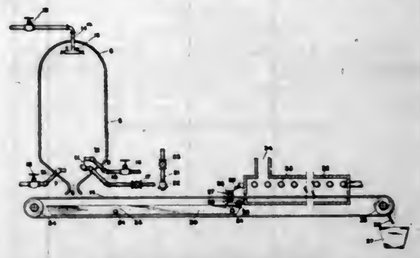
2,190,136

APPARATUS FOR THE MANUFACTURE OF CASEIN

Elmer B. Oberg, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Original application April 29, 1937, Serial No. 139,767. Divided and this application September 15, 1937, Serial No. 163,897
3 Claims. (Cl. 23—284)

1. In an apparatus for preparing casein, a reaction chamber of relatively large volume, said chamber being provided with an unrestricted bottom outlet, means for directing atomized casein solution and vaporous precipitating agent into



the central portion of said chamber above said outlet, and a water spray positioned at the top of said chamber and arranged to continuously wash the sides of said chamber and to discharge precipitated casein from said chamber.

2,190,137

SOLUBLE PROTAMINE INSULIN

Melville Sahyun, Detroit, Mich., assignor to Frederick Stearns & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application July 10, 1937, Serial No. 152,995
6 Claims. (Cl. 167—75)

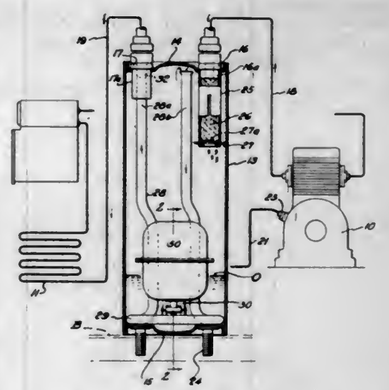
5. A clear stable solution containing insulin to which has been added from 2.5 mg. to 5 mg. of protamine for each 100 units of the insulin, said solution having an acidity of about pH 3.0.

2,190,138

OIL SEPARATOR FOR REFRIGERATION SYSTEMS

George W. Smith and James A. Smith, Lyons, N. Y., assignors to Kenmore Machine Products, Inc., Lyons, N. Y.

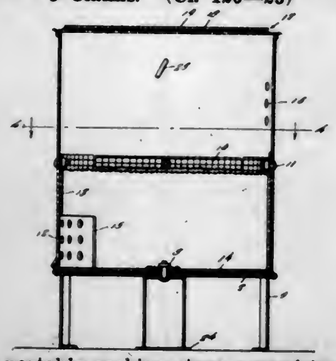
Application March 9, 1939, Serial No. 260,711
5 Claims. (Cl. 62—115)



1. An oil return device comprising a housing having a refrigerant gas inlet and outlet, a passage within said housing having one terminal communicating with a high point within said housing, a body portion extending to the bottom of the housing, and its remaining terminal communicating with said outlet, a float controlled

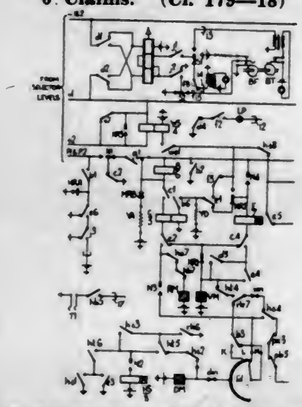
valve mechanism including a valve seat disposed within the housing adjacent the bottom thereof, and an oil return conduit communicating with said valve seat.

2,190,139
PORTABLE STOVE
William Andrew Stockell, Detroit, Mich.
Application July 22, 1938, Serial No. 220,779
3 Claims. (Cl. 126—25)



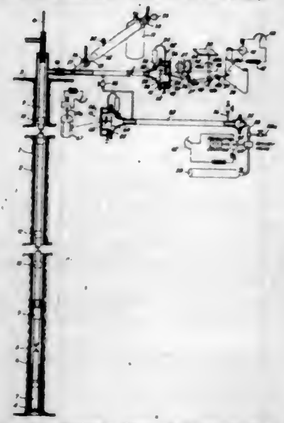
1. A portable cooking stove comprising a cylindrical metallic body closed at its lower end and fully open at its upper end, a supporting structure for said body, a foraminous grate removably mounted in said body and providing between itself and the upper end of the body a fire chamber, said body having draft openings below the grate, said body having draft openings arranged above the grate, and members pivotally mounted on said body for opening and closing the upper end thereof and arranged in superimposed relation and one constructed of foraminous material and the other of a solid material.

2,190,140
TELEPHONE SYSTEM
Reginald Taylor and George Thomas Baker, Liverpool, and Charles Gillings, London, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application July 22, 1937, Serial No. 155,014
In Great Britain August 11, 1936
6 Claims. (Cl. 179—18)



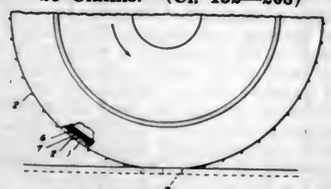
1. In an automatic switching arrangement, a two-directional hunting switch having a plurality of contacts arranged in levels accessible over two different paths, a plurality of lines accessible to said switch through groups of adjacent contacts of non-adjacent levels, means for setting said switch to one of said groups, means for testing the lines associated therewith, and means effective when all of a group of adjacent contacts is found busy and when the switch is seized over a certain one of said paths only to cause the switch to be reset to another group of said plurality of lines.

2,190,141
PRESSURE WAVE VELOCITY MEASURING SYSTEM
Cranford P. Walker, San Marino, Calif.
Application April 29, 1939, Serial No. 270,866
11 Claims. (Cl. 181—0.5)



1. In an apparatus for determining pressure wave velocity in a given medium, an elongated tube, means communcating with said tube for passing the said medium through said tube, means associated with said tube for creating pressure waves of known frequency in said tube, means associated with said pressure wave creating means for varying said frequency, and means communicating with said tube for determining when the frequency is such as to resonate in the medium in the tube.

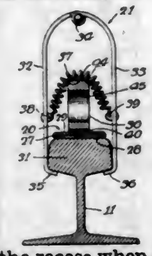
2,190,142
ANTISKID DEVICE
Harry R. Ansel, Cleveland, Ohio
Application February 26, 1937, Serial No. 127,977
26 Claims. (Cl. 152—208)



6. An antiskid device comprising a plurality of similar units each provided with a retractile claw and means for securing said units in assembled relation within the groove of a tire.

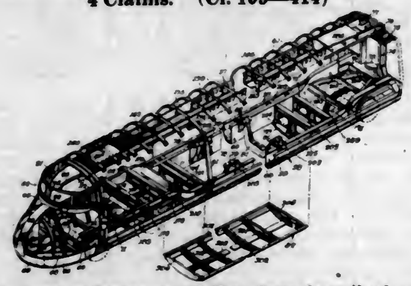
2,190,143
MECHANICAL CLAMP
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application May 14, 1937, Serial No. 142,561
7 Claims. (Cl. 173—273)

1. For use with a metallic body having substantially vertical sides adjacent its top and whose sides are recessed at points spaced from the top, the combination of an electric conductor adapted to rest on the metallic body, a block adapted to rest on the conductor but being electrically insulated therefrom, and a mechanical clamp comprising a pair of pivoted jaws each of which is turned inwardly at its free end so as



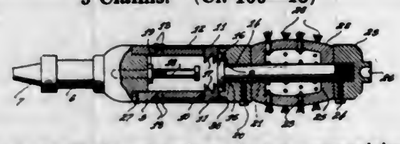
to extend into the recess when the jaws are straddling the body and are lowered so that their ends are in alinement with the recesses, and means cooperating with the block and jaws to shorten the distance between the ends of the jaws when the clamp is forced downwardly towards the metallic body, thereby causing the jaws to grip the metallic body.

2,190,144
RAILWAY CAR
Martin P. Blomberg and William H. Mussey, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 20, 1935, Serial No. 32,336
4 Claims. (Cl. 105—414)



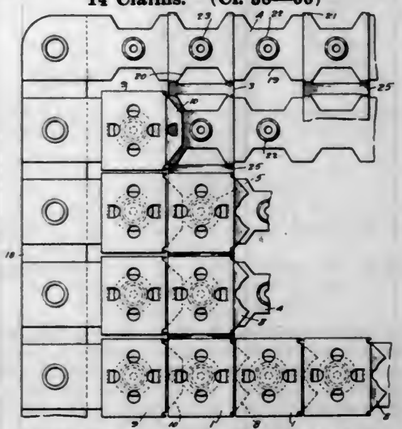
1. In a railway car of the class described, main longitudinal framing including a side sill and a girder adjacent thereto at each side of the car, an end sill, wing projections and ledges rigid with the outer ends of said sill, said wing projections receiving the ends of said girder and secured thereto, and said side sills resting on said ledges, and diagonal rigid brace members between said girders and the central portion of said end sill.

2,190,145
WELLHOLE CLEANING DEVICE
Clark E. Braden, Salem, W. Va.
Application May 27, 1939, Serial No. 276,120
5 Claims. (Cl. 166—18)



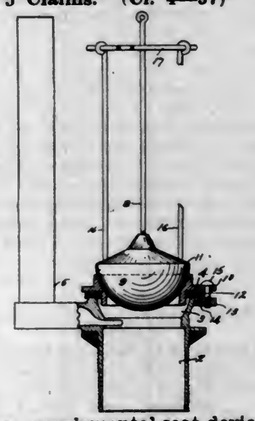
1. A wellhole cleaning device comprising a barrel, a plunger mounted to reciprocate in one end of said barrel, an expansible brush head mounted on the outer end of said plunger, a cap securing said head on said plunger adapted to expand said head upon inward movement of said plunger, and spring dogs mounted in said barrel adapted to engage and hold said plunger when moved inwardly.

2,190,146
FLEXIBLE PRESSING MACHINE PAD
George W. Bristol, New York, N. Y.
Application May 3, 1939, Serial No. 271,470
14 Claims. (Cl. 38—66)



3. A resilient pad comprising a plurality of individual units each independently resilient, and all individually mounted on transverse and longitudinal strips, in which each unit is provided with a cap, means resiliently holding said cap upward, grooved posts with projections from the cap extending into said grooves limiting the upward movement of the cap, and in which said limiting means tapers outward and downward, providing flexibility in the tilting movement of said cap in all directions, and said resilient means comprising a spring extending upward into said cap.

2,190,147
RENEW SEAT FOR TANK DISCHARGE VALVES
Peter L. Ciaccio and Hubert R. Crane, Los Angeles, Calif.
Application August 31, 1938, Serial No. 227,752
5 Claims. (Cl. 4—57)



1. A re-new, supplemental seat device for valve

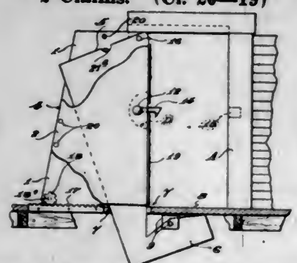
seats having an exterior, peripheral seat lip comprising a seat ring element to fit on an original valve seat, and a means to engage the seat lip for clamping the element thereto.

2,190,148
FULL-FASHIONED STOCKING
Guido Clauss, Elizabethtown, Pa.
Application May 13, 1939, Serial No. 273,444
4 Claims. (Cl. 66—180)



1. A full-fashioned stocking having located in the leg portion thereof rows of fashioning marks and a selvage seam and provided on opposite sides of the seam with lace construction extending to the rows of fashioning marks and to the seam.

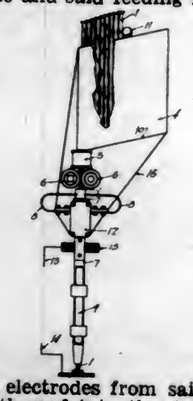
2,190,149
SLIDING DOOR
Charles C. Coleman, Lamesa, Tex.
Application October 4, 1938, Serial No. 233,163
2 Claims. (Cl. 20—19)



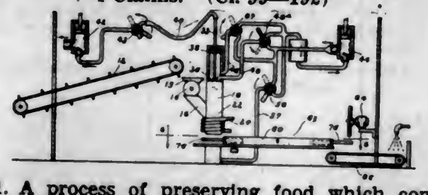
1. A door of the class described comprising two leaves and an operating member, said leaves being spaced apart to receive the operating member adapted to be slid therebetween, said leaves being pivoted to the operating member at one point and said operating member extending below the leaves and terminating in a foot, said foot projecting below the floor of the dwelling or the like to which the door is applied, and pivoted to said floor; the edges of said leaves at one edge being slanted from top to bottom of said leaves and projecting beyond one edge of said operating member; a gear mounted on said projecting parts of the leaves, a rack bar mounted in the floor, said gear adapted to ride on said rack bar when the door is slid open and closed.

2,190,150
ARC WELDING APPARATUS
James Eugene Fay, Middletown, Ohio
Application May 13, 1939, Serial No. 273,559
6 Claims. (Cl. 219—8)

1. In an electric welding apparatus, a magazine for short welding electrodes, feeding means for said electrodes, and magnetic means between said magazine and said feeding means for withdrawing said electrodes from said magazine for introduction thereof into the field of operation of said feeding means.

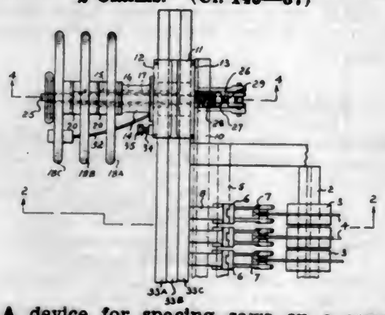


2,190,151
METHOD OF DEAERATING FROZEN FOODS
Eugene G. Hawkins, Seattle, Wash.
Application October 24, 1938, Serial No. 236,765
4 Claims. (Cl. 99—192)



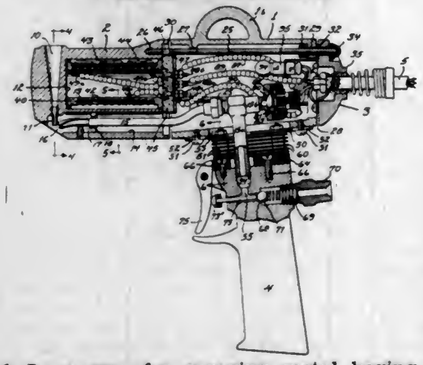
1. A process of preserving food which comprises subjecting the food to a sub-freezing temperature, comminuting the frozen food, pressing the frozen, comminuted food under a relatively light pressure to remove air from the interstices of the food mass, releasing the pressure, and then subjecting the deaerated mass to a relatively heavy pressure to break the food cells and exhaust the gaseous matter therefrom.

2,190,152
SAW SETTING DEVICE FOR EDGERS
John Heaps and John Morton Heaps, New Westminster, British Columbia, Canada
Application March 29, 1938, Serial No. 198,706
2 Claims. (Cl. 143—37)



1. A device for spacing saws on a mandrel comprising a plurality of slidable racks adapted to be mounted parallel to the mandrel, each of said racks having saw engaging means, a pinion for imparting endwise movement to each rack, a plurality of coaxially mounted hand wheels for rotating the pinions, said hand wheels having hubs, said hubs and said pinions being mounted on coaxial sleeves, a bearing surrounding the sleeves, said hubs and bearing having complementary clutch members, means normally causing holding engagement between complementary clutch members and means for disengaging said clutch members for rotation of said hand wheels, said clutch engaging and disengaging means comprising a bolt extending through the sleeves, a cap carried by the bolt for engaging one of the hubs, a spring on the bolt for compressing the hubs between the cap and the bearing and manually operable means for thrusting the bolt against the spring.

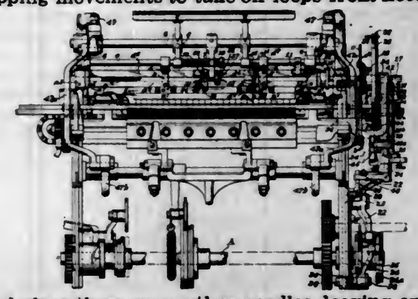
2,190,153
GUN FOR SPRAYING METAL
Curtis Holmes, Chattanooga, Tenn., assignor to Taywal Corporation, Chattanooga, Tenn., a corporation of Tennessee
Application April 13, 1937, Serial No. 136,644
4 Claims. (Cl. 91—12.2)



1. In a gun for spraying metal having an electric heating head and heating element therein for melting the metal to be sprayed, a hollow body section through which conductors pass to the heating element, inwardly extending ears on said section, rods attached to the head and extending past the ears, supported thereby, an electric cord support positioned to close the end of the hollow section opposite the head and attaching members passing from said support into the hollow section and detachably associated with the extended portions of the rods.

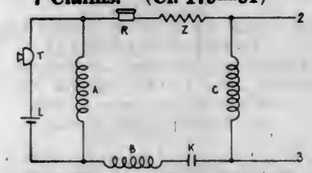
2,190,154
KNITTING MACHINE
Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application January 11, 1938, Serial No. 184,465
19 Claims. (Cl. 66—96)

1. In combination in a flat knitting machine, a needle bar carrying a straight row of needles, a bar carrying points for transfer of loops from one needle to another along the needle row, means for moving the transfer bar a maximum distance along the needle row in one direction and for moving the said bar in the reverse direction, and pattern means for stopping the said reverse movement of the bar variably, comprising a carrier, members movably mounted in said carrier, means for operating said members relative to the carrier, and means for giving said bar dipping movements to take off loops from needles



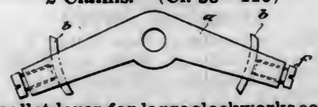
and place them upon other needles, leaving openings in the fabric, substantially as described.

2,190,155
TELEPHONE CIRCUIT
Arthur Frederick Jones, Coventry, England, assignor to The General Electric Company Limited, Coventry, England
Application July 10, 1936, Serial No. 89,917
In Great Britain August 9, 1935
7 Claims. (Cl. 179—81)



1. In a substation telephone circuit, a line, a transformer having three windings, a receiver connected in series with a first and a second winding of said transformer and the conductors of said line, a third winding of said transformer bridging said line conductors to provide a low resistance direct current path for current flowing in said line, a transmitter, and a local battery connected in series with said transmitter and shunting said first winding of said transformer to provide a transmission circuit.

2,190,156
PALLET LEVER FOR CLOCKWORK MECHANISMS
Helmut Junghans, Schramberg-Sulgen, Germany
Application June 9, 1937, Serial No. 147,346
In Germany April 25, 1936
2 Claims. (Cl. 58—116)



1. A pallet lever for large clockworks comprising a two-armed non-flexible lever body, a slot being provided near the end of each arm, a pallet fitting in each of said slots, and a clamping screw threaded at the end of each arm in the longitudinal direction thereof for securing the pallets in position, said pallets being adjustably mounted in their slots.

2,190,157
CENTRIFUGAL OPERATING MEANS FOR FUSES
Helmut Junghans, Schramberg-Sulgen, Germany
Application July 23, 1937, Serial No. 155,333
In Germany July 23, 1936
3 Claims. (Cl. 102—36)

1. In a time fuse for a projectile, a drive shaft

for the timing mechanism of said fuse, a pivot member stationary with respect to the fuse, a driving segment including a primary centrifugal weight mounted on said pivot, a lever member including a secondary weight on one end thereof freely mounted on said pivot, and means connecting said driving segment to said drive shaft for actuating the same, the other end of said lever having means thereon constructed and ar-



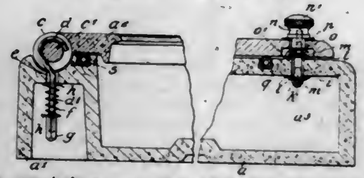
ranged to bear on said primary weight under centrifugal forces caused by rotation of said projectile upon firing whereby both weights actuate the drive shaft, until said secondary weight swings said lever to a maximum throw position, said segment and primary weight moving thereafter on said pivot alone to actuate the drive shaft whereby a substantially uniform drive is effected.

2,190,158

CLOCK CASE OF STONEWARE OR LIKE BRITTLE MATERIAL

Helmut Junghans, Schramberg-Sulgen, Germany

Application July 1, 1938, Serial No. 217,068
In Germany June 1, 1937
4 Claims. (Cl. 58—53)



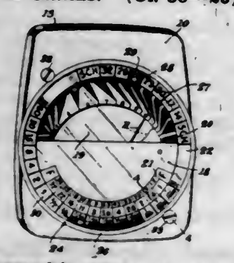
1. A container or case having two relatively movable members, a hinge between said members comprising a part-cylindrical rib on one of said members and a complemental groove in the other member for receiving said rib, said rib having a short entirely cylindrical section therein, and elastic means embracing the cylindrical section of the rib and secured to said grooved member for holding said rib in said groove.

2,190,159

EXPOSURE METER

Fritz Loewenberg, New York, N. Y.

Application November 23, 1938, Serial No. 242,054
11 Claims. (Cl. 88—23)



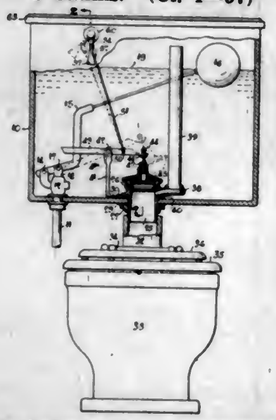
1. A photographic exposure meter of the class described having a movable pointer actuatable by light controlled means and a computing device; comprising a non-movable field of divisional markings, a first row of indicia in fixed relation to said field of markings, said field of markings and said first row extending substantially along opposite halves of a circle encompassing the field of travel of the indicating portion of said pointer, and a substantially ring-shaped member rotatable around said circle and carrying substantially on opposite halves a second row of indicia and a third row of indicia, the ends of said divisional markings adjacent said pointer cooperating with said pointer, the ends of said divisional markings adjacent said ring-shaped member cooperating with said second row of indicia, said first row of indicia cooperating with said third row of indicia, one of said three rows of indicia indicating emulsion speed values, another of said rows indicating lens aperture values, and still another of said rows indicating exposure time values.

2,190,160

FLUSHING MECHANISM FOR TOILET TANKS

Julian L. Mason and Glenn L. McNabb, Gastonia, N. C.

Application April 8, 1939, Serial No. 266,783
4 Claims. (Cl. 4—57)



1. In a tank for water closets provided with a vertically disposed discharge pipe penetrating the bottom of the tank and having an open upper end adapted to receive a tank ball for normally closing the open upper end of the discharge pipe, a rigid stem connected to the upper surface of the tank ball, a lever rigidly connected at one end to the upper end of the rigid stem, a member projecting horizontally and then upwardly from said pipe, a pivotal connection between an intermediate portion of the lever and the upper end of the member projecting from said pipe, an operating handle disposed on the exterior of the sidewall of the tank and having a shaft rotatably penetrating the sidewall of the tank, a second lever rigidly mounted on the inner end of the shaft, and a flexible connection between the two levers.

2,190,161

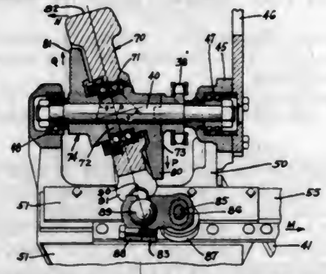
BALANCED MECHANISM FOR CONVERTING ROTARY IN RECIPROCATORY MOTIONS AND VICE VERSA

Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota

Application May 20, 1937, Serial No. 143,777
22 Claims. (Cl. 56—262)

1. A device of the class described comprising,

a rotative element, an element reciprocable in a direction substantially parallel with the rotative axis of said rotative element, a wobble member journaled on the rotative element, the axis of said wobble member being inclined to the axis of said rotative element, an operative connection between said wobble member and said reciprocable element, a weight on said wobble member at that side of the axis of the rotative element which is opposite said connection, said weight being located to counterbalance said reciprocable element and the connection, means fixed to the said weight means being arranged to produce a revolving dynamically unbalanced centrifugal couple, in opposition to the couple setup by motions of the wobble member and reciprocable element connected thereto.



2. In a mower, a drive shaft, a cutter bar reciprocable in a direction substantially parallel with the axis of the drive shaft and transversely to the direction of travel of the mower, a weighted member rotatable with the drive shaft and having a hub, a non-revolving wobble yoke having a bearing on said hub and being arranged to operate at an angle to the rotative axis of the shaft, means pivotally connecting the yoke with a cutter bar, a second weighted member at the opposite side of the yoke having its weight arranged at that side of the shaft which is opposite to the point of connection of the yoke with the cutter bar, said yoke being weighted also at that side, the weight of the first mentioned member being on that side nearest the point of connection of the yoke with the bar.

2,190,162

SPARK PLUG CONNECTION

John M. Oldham, Pleasant Ridge, Mich., assignor to L. A. Young, Detroit, Mich.

Application May 25, 1938, Serial No. 209,905
2 Claims. (Cl. 173—269)



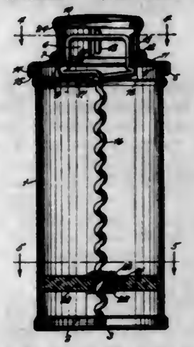
2. An electrical connection for use on a spark plug for an internal combustion engine comprising a cap member having an annular restricted portion therein, a lead wire to be connected to said plug, insulation on said lead wire, and a coil of spring wire for electrically and physically connecting said cap member and said lead wire, one end of said coil being dimensioned slightly smaller than said cap member whereby when said end is slipped over said cap, certain winds in said coil will be received by said restricted portion to provide a resilient, yet locked, connection with said cap, the other end of said coil being adapted to receive and retain insulation surrounding said lead wire and having an end portion bent diametrically of said coil and pressed into said insulation to contact said lead wire.

2,190,163

CONTAINER

Ludwig Roth, St. Louis, Mo., assignor to Handy Containers, Inc., St. Louis, Mo., a corporation of Missouri

Application September 14, 1938, Serial No. 229,839
7 Claims. (Cl. 221—79)



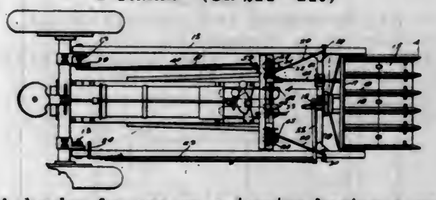
1. In a container of the character described having an upper end wall provided with an opening; a tubular nozzle having a groove at its inner end receiving the margin of said wall around said opening and being rotatively supported and held against longitudinal displacement thereby, a cap engaging said nozzle for rotating the same, a device operated by said cap controlling ejection of the contents of said container, and means in connection with the outer margin of said cap engaging said end wall and holding said cap closely against said end wall for rotation thereon.

2,190,164

LOADER

John C. Seyller, Prophetstown, Ill.

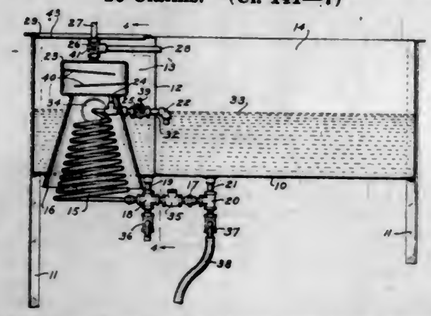
Application March 3, 1939, Serial No. 259,662
1 Claim. (Cl. 214—140)



A loader for use on a tractor having a rear axle housing and a chassis comprising a pair of scoop elevating bars pivoted at rear ends thereof on said axle housing for vertical swinging movement in unison upon opposite sides of said chassis and extending forwardly of the latter, a scoop mounted on said bars between the front ends thereof for elevation thereby, a frame adapted to be secured to the front end of the chassis in upstanding position and extending transversely of the chassis intermediate said bars, a transversely

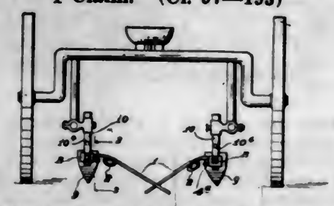
extending hoisting drum shaft on said frame adjacent the top thereof, a pair of drums on opposite ends of said shaft, cables operatively connecting said drums to said bars, respectively, a transversely extending brake shaft on said frame below said drum shaft and geared to said drum shaft, a driven shaft on said frame below said brake shaft, a sprocket and chain drive between said driven and brake shafts, a power shaft on said frame below said driven shaft for connection to a source of power, a clutch on said power shaft having a driven member geared to said driven shaft and a shiftable driving member, a brake drum on the brake shaft, a brake band for applying friction to the brake drum, and a control lever adjacent the rear end of said bars, operatively connected to said band and to the shiftable driving member to alternately shift said member and engage said band with said brake drum, said shafts being arranged in a common vertical plane on said frame to economize in lateral space.

2,190,165
DAIRY APPLIANCE
Englebert Shurts, Waukesha, Wis., assignor to Strauss Electric Appliance Company, Waukesha, Wis., a corporation of Wisconsin
Application July 21, 1937, Serial No. 154,760
16 Claims. (Cl. 141—7)



1. In combination, a liquid receptacle forming a utensil confining chamber, a heating coil having a lower inlet and an upper outlet communicating with said chamber, a steam dome communicable with said coil, means for heating said coil, and means for interchangeably delivering fluid from said coil through said outlet or from said steam dome to said chamber.

2,190,166
ATTACHMENT FOR CULTIVATORS
James O. Simmons, Sr., Troy, Tex.
Application March 7, 1938, Serial No. 194,419
1 Claim. (Cl. 97—193)

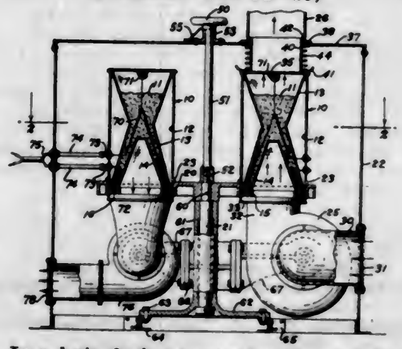


A weeder attachment for a cultivator having a shank and shovel comprising in combination, a resilient rod adapted to be secured to the shank of the cultivator so as to extend laterally and rearwardly therefrom, said rod having one end portion curved to form an open loop, one portion of the loop being in the arc of one circle and the free end of the loop being formed in the arc of a different circle, said rod having a body portion adapted to be submerged at one end into the soil, a closed loop formed within said rod intermediate the open loop and the opposite extremity of said rod, a clamp member longitudinally arched and having flanges on its long edges forming a curved chamber to receive the open loop of the rod, securing means for holding the open looped end of the rod in adjusted position in the clamp on the shank of the cultivator, and the curved chamber being of sufficient size so that the looped end of the rod is retained therein in resilient adjustment.

2,190,167
PROCESS FOR PRODUCTION OF ASCORBIC ACID
Otto Zima, Darmstadt, Germany, assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 12, 1937, Serial No. 120,291. In Germany January 14, 1936
6 Claims. (Cl. 260—344)

1. A process for the production of ascorbic acid which comprises treating a compound of the group consisting of 2-keto-gulonic acid, its methylene ether derivatives and its lower aliphatic alcohol esters with strongly concentrated hydrochloric acid.

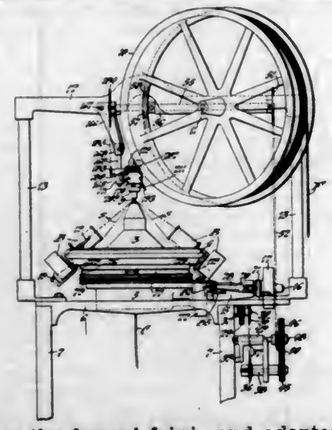
2,190,168
APPARATUS FOR THE DRYING OF THE HAIR
Hubert M. Armistead, San Francisco, Calif.
Application April 30, 1938, Serial No. 205,277
4 Claims. (Cl. 34—26)



3. In a hair drying apparatus the combination of a drying hood, a cabinet, a conduit for said drying hood extending into said cabinet, blower means within the cabinet, a plurality of cartridges containing a moisture adsorbent material, rotary supporting means for said cartridges, means for selectively moving said cartridges into position between said conduit and said blower means, each of said cartridges having a self-contained electrical heating element, and means for energizing said heating elements when said cartridges are moved into inoperative positions.

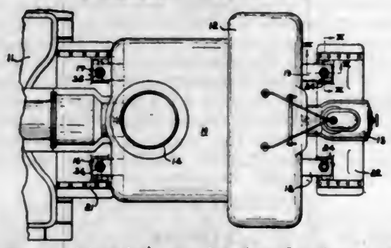
2,190,169
FAULT DETECTOR AND STOPPING DEVICE FOR TEXTILE MACHINES
Willard W. Bardsley, Providence, R. I., assignor to Wardwell Braiding Machine Company, Central Falls, R. I., a corporation of Maine
Application June 6, 1938, Serial No. 212,028
13 Claims. (Cl. 96—19)

1. In a machine of the type indicated, means for combining a plurality of strands to form a tubular fabric, stopping means for arresting the operation of the machine, a loop-catcher sur-



rounding the formed fabric and adapted to engage a loop or tangle projecting therefrom, and means operative by said loop-catcher to actuate the stopping means.

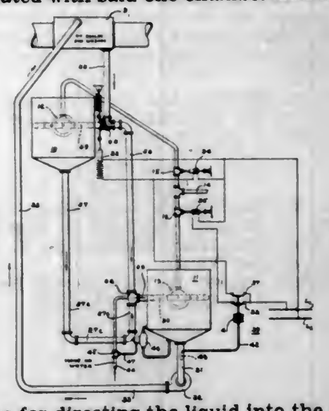
2,190,170
CYLINDER SUPPORTING ARRANGEMENT
Clarence B. Campbell, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1938, Serial No. 200,351
5 Claims. (Cl. 248—2)



1. In combination, mechanism having a casing subject to changes in temperature causing it to expand and contract, a pedestal at each end of the casing, lugs integral with the casing and resting on the pedestals for supporting said casing, and means connecting the lugs and pedestals for transverse and twisting movement of the former relative to the latter in a horizontal plane while preventing relative longitudinal movement of said lugs and pedestals.

2,190,171
COOLING APPARATUS
Rudolph J. Eisinger, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1936, Serial No. 88,296
6 Claims. (Cl. 62—2)

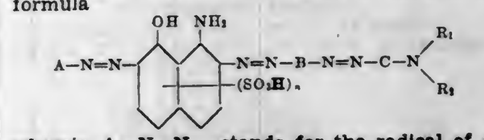
1. In refrigerating apparatus, the combination of a plurality of evaporator chambers, an ejector associated with each chamber for withdrawing vapor therefrom, and means responsive to a predetermined load condition for conveying liquid to be cooled through a plurality of said chambers in series and for effecting operation of the ejectors associated therewith and responsive to a lighter predetermined load condition for conveying said water through only one of said chambers and for effecting operation only of the ejector associated with said one chamber and includ-



ing means for directing the liquid into the vapor-containing space of each chamber and subjecting the liquid to the reduced pressure in such space.

2,190,172
AZO DYESTUFFS
Helmut Kleiner, Cologne-Mulheim, and Detlef Delfs and Otto Bayer, Leverkusen-Wiesdorf, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application August 9, 1938, Serial No. 223,933. In Germany August 19, 1937
4 Claims. (Cl. 260—171)

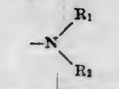
1. As new products azodyestuffs of the general formula



wherein A—N=N— stands for the radical of a monodiazo compound of the benzene series,

—N=N—B—N=N—

stands for the radical of a tetrazo compound derived from a diaminodiaryl of the benzene series, C stands for an aromatic radical of the benzene series bearing the



group in p-position to the —N=N— group, R_1 stands for a radical of the group consisting of hydrogen, alkyl, hydroxyalkyl, halogenalkyl, cycloalkyl, and aralkyl, R_2 stands for one of the group consisting of —alkylene—$S.SO_3H$ and —hydroxyalkylene—$S.SO_3H$ and n stands for one of the numbers one or two.

2,190,173
OIL TREE SPRAY
Hugh Knight, Claremont, Calif., assignor, by mesne assignments, to Shell Development Company, a corporation of Delaware
Application January 18, 1937, Serial No. 121,044
6 Claims. (Cl. 167—43)

1. The method of improving oil deposit from aqueous spray oil emulsions which comprises dispersing a small amount of bentonite in water, adding to said water an oil containing about 1% to 5% of an oil soluble emulsifier comprising an

hydroxy ester of a high molecular weight organic acid, agitating the oil-water-bentonite mixture to form an emulsion characterized by clus-

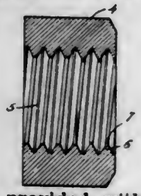


ters of oil particles and spraying said emulsion of clustered oil particles onto surfaces to effect the deposit of oil thereon.

2,190,174
LOCK NUT

Robert A. MacDonald, Greenwich, Conn., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y., a corporation of New York

Application August 6, 1938, Serial No. 223,387
2 Claims. (Cl. 151—22)

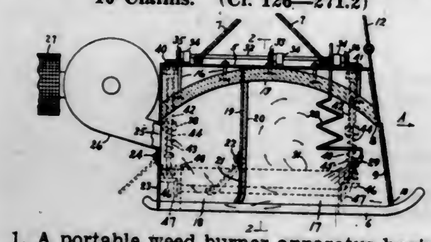


1. A lock nut provided with normal threads throughout a portion of its central opening and being provided with locking threads adjacent one end thereof, the body of the locking threads being of the same pitch and same angle as the normal threads and being of the same diameter at their roots and being provided with extensions at their crests.

2,190,175
WEED BURNER

Glenn H. Roche, South Gate, Calif.

Application March 22, 1937, Serial No. 132,192
10 Claims. (Cl. 126—271.2)



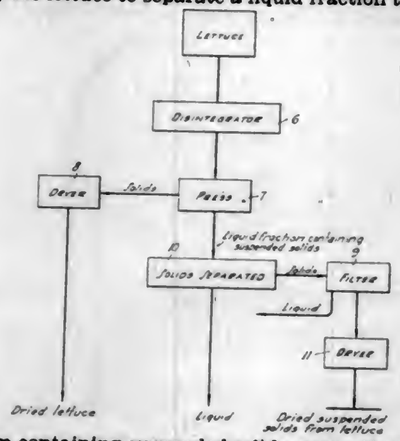
1. A portable weed burner apparatus having a housing open at its bottom and movable over the ground, a partition dividing the interior of the housing into two chambers, one of said chambers being ahead of the other with regard to the direction of operative movement of the apparatus over the ground, at least a portion of the partition being hinged to swing rearwardly upon striking an obstruction, burner means in the forward chamber, and suction means connected to produce a partial vacuum in the rear chamber, to snuff out the fire as the apparatus is moved over the ground.

2,190,176
PROCESS FOR THE MANUFACTURE OF A FEED MATERIAL FROM LETTUCE

Henry A. Smith, Berkeley, Calif., assignor, by mesne assignments, to National Oil Products Co., Harrison, N. J., a corporation of New Jersey

Application August 13, 1937, Serial No. 158,892
4 Claims. (Cl. 99—2)

1. A process for manufacture of an animal feed from lettuce comprising disintegrating and pressing the lettuce to separate a liquid fraction there-



from containing suspended solids, separating said suspended solids from said fraction, and dewatering said solids to provide a feed material.

2,190,177
MANUFACTURE OF SULPHUR NITRIDE

Carl F. Swinehart, Cleveland Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

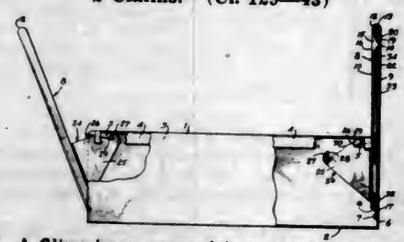
No Drawing. Application April 1, 1938, Serial No. 199,503
14 Claims. (Cl. 23—191)

1. Process of producing sulphur nitride comprising dispersing a quantity of sulphur chloride on more than its own weight of inert solid material and subjecting the resulting material to gaseous NH_3 in such low concentration, and at such a temperature as largely to suppress the formation of end products other than NH_4Cl, S_4N_4 and sulphur and until the reaction mixture has assumed a characteristic, stable, color indicating that the end point has been reached.

2,190,178
FILING TRAY

Carl F. Wolters, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.

Application June 3, 1938, Serial No. 211,614
2 Claims. (Cl. 129—43)



1. A filing tray, comprising a body having bottom and side walls, an end wall for movement between upright and tilted positions having an outer sheet metal section hinged at the bottom to said body, an inner sheet metal section having lateral end flanges terminating in offset end extensions secured to the inner face of said outer section and mounting said inner section in spaced parallel relation, a channel strip at each side of said inner section having the center portion

thereof secured to the side margin of said inner section, said channel strips extending to the ends of said inner section and having the edges engaging the inner face of said outer section, said channel strips having a portion of the edges removed to provide a guideway between said strips and outer section, a retainer strip extending across said end wall slidable in said guideway, said retainer strip having laterally projecting ends at the side edges of said end wall overlapping said side walls in contiguous parallel relation and spaced above said bottom wall, cooperating shoulders formed on said laterally projecting ends and said side walls for supporting said end wall in upright and inclined positions, a lateral flange formed on said retainer strip, a spring between said last-named flange and a lateral end flange on said inner section normally operative to slide said retainer strip in one direction for retaining said shoulders in engagement and a handle formed of a strip of sheet metal having one end secured to said retainer strip and the opposite end projecting laterally therefrom between said wall sections to the upper ends thereof for manual engagement for moving said retainer strip in the opposite direction to disengage said shoulders, said laterally projecting ends forming side wall extensions for said tray to close the opening between said end wall and the ends of said side walls in the tilted position of said end wall.

2,190,179
CONVERSION PRODUCTS OF CONSTITUENTS OF CAROB BEANS

Walter Ziese and Friedrich Ebel, Mannheim, and Alwin Schneevoigt, Ludwigshafen - on - the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application May 21, 1938, Serial No. 209,392. In Germany May 25, 1937
2 Claims. (Cl. 260—112)

2. A polyethyleneglycol ether of carob bean kernel meal.

2,190,180
CHEWING GUM MATERIAL

John O. Barker, New York, N. Y., assignor to Sweets Laboratories, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 11, 1936, Serial No. 84,771
9 Claims. (Cl. 99—135)

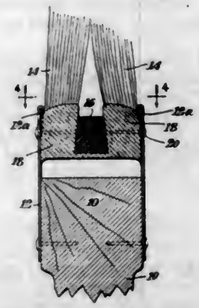
1. A process which comprises well incorporating with dry chewing gum material, a dry undissolved water-soluble oil-insoluble dyestuff which upon subsequent wetting with saliva of the mouth during chewing, will develop its color in the gum, imparting a strong color to the gum.

2,190,181
BRUSH CONSTRUCTION

Walden C. Beames, River Edge, N. J., assignor to Devoe & Raynolds Co., Inc., a corporation of New York

Application April 16, 1938, Serial No. 202,459
2 Claims. (Cl. 15—204)

1. A kalsomine brush comprising a handle, a ferrule mounted on said handle, a recess formed by the walls of said ferrule and the base of said handle, filling for said recess comprising a setting composition capable of receiving and retaining bristle ends, bristles anchored at their basal ends in said setting composition, a tapered, non-absorptive plug having outwardly converging longitudinal sides set in said setting composition and dividing the bristles into a plurality of bristle layers, the plug being set in said setting composition so that the base of the plug is exposed and the horizontal plane of the base of the plug is substantially lower than the sur-

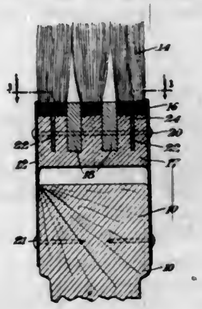


rounding walls of the setting composition thereby forming a secondary recess, the horizontal plane of the base of said plug also being substantially below the outer end of the ferrule, and means for holding the setting composition within the ferrule.

2,190,182
BRUSH CONSTRUCTION

Walden C. Beames, River Edge, N. J., assignor to Devoe & Raynolds Co., Inc., a corporation of New York

Application May 6, 1938, Serial No. 206,349
3 Claims. (Cl. 15—193)



1. A brush comprising a handle, a ferrule, and bristles, a recess in the brush formed by the inner walls of the ferrule and the base of the handle, a filling composition adapted to be poured into said recess and adapted to receive bristles mounted at their basal ends in said bonding composition when the composition is soft and upon hardening of said composition the bristles are retained therein, a narrow longitudinal strip of a substance of relatively high tensile strength set longitudinally in said bonding composition, said strip being formed with a plurality of transverse perforations and being locked in the bonding composition by having the bonding composition penetrate the aforesaid perforations when soft and upon hardening locking the strip in the bonding composition, means for holding the bonding composition and the strip within the ferrule as a unitary structure, said means contacting only the ferrule, the bonding composition, and the strip but not contacting the bristles.

2,190,183
STABLE SUSPENSION OF HORMONE PREPARATIONS

Hermann Friedrich, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 16, 1937, Serial No. 180,159. In Germany December 19, 1936

8 Claims. (Cl. 167—74)

4. A stable and homogeneous hormone suspension which comprises a preparation of the gonadotropic hormone of the anterior lobe of the hypophysis and a physiologically innocuous oil having an admixture of wool fat in an amount not exceeding 15% calculated on the quantity of oil employed.

2,190,184
PROCESS OF PRODUCING ALDEHYDE RESINS

Walter Frankenburger and Herbert Hammerschmid, Ludwigshafen - on - the - Rhine, and Georg Roessler, Oppau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 7, 1937, Serial No. 167,770. In Germany October 28, 1936

3 Claims. (Cl. 260—67)

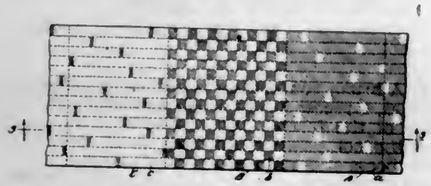
1. The process for the production of artificial resins, which comprises condensing an aliphatic aldehyde selected from the group consisting of acetaldehyde, aldol and crotonaldehyde by means of a small amount of a member of the group consisting of primary and secondary aliphatic and cycloaliphatic amines and secondary heterocyclic bases and their salts, in the presence of a substance containing an aliphatic radicle with at least 10 carbon atoms and at least one hydrophilic group.

2,190,185
PRINTING PLATE

Arthur C. Hardy, Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Original application February 17, 1937, Serial No. 126,110. Divided and this application April 15, 1938, Serial No. 202,177

4 Claims. (Cl. 41—17)



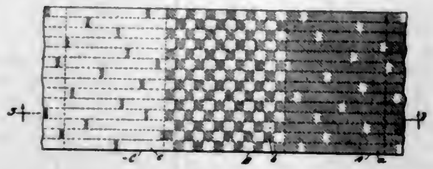
3. A contrast image having parts representing different tones and consisting of a plurality of elements in each of which the ratio of white area to black area corresponds to the value of the tone represented, the size of the black areas ranging upwardly from a predetermined minimum size occurring only in tones lighter than the middle tone and the size of the white areas ranging upwardly from a predetermined minimum size occurring only in tones darker than the middle tone, and the size of the elements ranging upwardly from a minimum size occurring in the middle tone.

2,190,186
PRINTING PLATE

Arthur C. Hardy, Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Original application February 17, 1937, Serial No. 126,110. Divided and this application April 15, 1938, Serial No. 202,178

2 Claims. (Cl. 101—395)



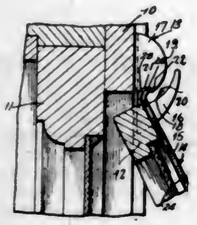
1. A printing plate having parts representing different tones and consisting of a plurality of elements in each of which the ratio of printing area to non-printing area corresponds to the value of the tone represented, the size of the printing areas varying above a predetermined minimum occurring only in parts representing tones lighter than an intermediate tone, and the size of the non-printing areas varying above a predetermined minimum occurring only in parts representing tones darker than said intermediate tone, and the printing and non-printing areas being equal in size and greater than their respective minimum sizes in the part representing said intermediate tone.

2,190,187
STORM SASH HANGER

Edward T. Kunold and Jacob J. Friedman, Omaha, Nebr.; said Kunold assignor to Ruth Friedman

Application May 12, 1939, Serial No. 273,340

6 Claims. (Cl. 16—172)



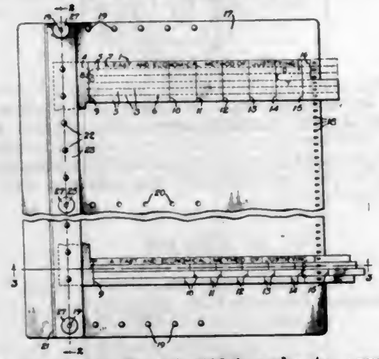
1. In a storm sash hanger of the character described, a hanger comprising two separably connected parts adapted for respective attachment to a window frame and a storm sash, and cooperating means carried by said parts to effect an interlocking engagement therebetween when the storm sash is swung outwardly at its lower end into ventilating position, the cooperating means including an upwardly curved hook carried by the window frame hanger part and an overhanging plate above and in the plane of the hook with a cut-away portion in the lower edge of the plate forming an abutment shoulder, and a bearing finger carried by the storm sash hanger part positionable between the hook and plate and movable into the cut-away portion with the free edge of the finger in a plane above the abutment shoulder and rearwardly thereof when the storm sash is swung outwardly into ventilating position.

2,190,188
HOLDER FOR LINE JUSTIFYING SHEETS

Harry Landsiedel, Wilton, Conn., assignor to Remington Rand Inc., Buffalo, N. Y.

Original application March 17, 1936, Serial No. 69,310. Divided and this application January 25, 1938, Serial No. 186,852

3 Claims. (Cl. 95—4.5)



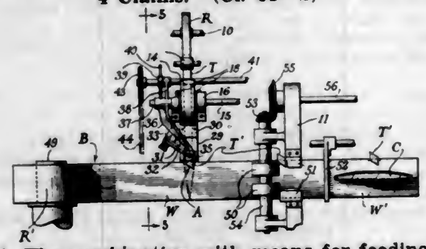
1. A holder for line justifying sheets, comprising a plate, spaced aligned posts on the upper and lower margins of said plate, a post bar detachably engaged at opposite ends on selected posts, a clamping bar superimposed on said post bar and cooperable therewith to retain one margin of a sheet therebetween, means clamping said bars together and to said plate, and strip holders on a margin of said plate to hold the opposite margin of said sheet.

2,190,189
PACKAGING CIGARS

Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application May 22, 1937, Serial No. 144,210

4 Claims. (Cl. 93—2)



1. The combination with means for feeding a web of wrapping material, of a cutter for severing wrapper lengths from said web, members for feeding a web of tear tab material transversely of the web of wrapping material and severing tear tabs therefrom of a length shorter than the width of the wrapper lengths, mechanism for securing the severed tear tabs to one margin of the wrapping material, and a device for lapping the margins of the tabbed wrapper upon each other to envelope an article with a tab protruding from the seam so formed.

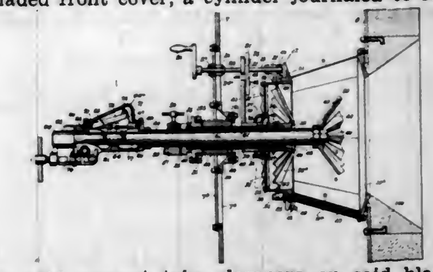
2,190,190
FUEL BURNER

Eric G. Peterson, Glen Ridge, N. J., assignor to Peabody Engineering Corporation, New York, N. Y.

Application March 19, 1938, Serial No. 196,878

5 Claims. (Cl. 158—1.5)

1. An air register having a peripheral set of air doors and a bladed front cover for admitting an axial flow of air, said bladed front cover having a central hub portion, a support tube carried by and projecting from said hub portion of said bladed front cover, a cylinder journaled to rock



on said support tube, dampers on said bladed front cover connected for operation by said rocking cylinder, an air door operating ring rotatably associated with said bladed front cover and operating linkage between said door operating ring and said damper operating cylinder.

2,190,191
MANUFACTURE OR RECOVERY OF POLYNUCLEAR CARBON COMPOUNDS

Mathias Pier, Heidelberg, Leo Boente, Ludwigshafen-on-the-Rhine, and Augüst Eisenhüt, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 31, 1936, Serial No. 118,586. In Germany January 24, 1936

6 Claims. (Cl. 260—668)

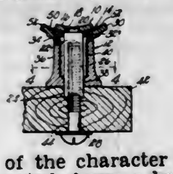
1. The process of producing polynuclear compounds which comprises mechanically freeing a product, obtained in the destructive hydrogenation of mineral coal in a liquid to pulpy state and consisting of oils of high boiling point and solid constituents, from part of its oil, subjecting the remainder to distillation the temperature during said distillation being at least 500° C. after lower boiling fractions, if such are present, have been distilled off, and separating polynuclear compounds from the resulting distillate.

2,190,192
ARTICLE OF HARDWARE

Horace H. Raymond, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

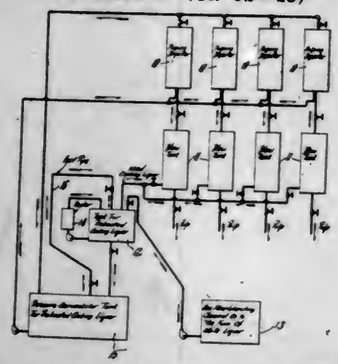
Application December 21, 1938, Serial No. 247,062

3 Claims. (Cl. 16—111)



1. A handle of the character described, comprising an elongated sleeve, a base plate secured to the outer end of said sleeve, said plate and sleeve having a non-circular centrally arranged opening extending therethrough, a shank of like cross section to said opening extending through said sleeve and having prongs on its inner end adapted to engage the surface on which the handle is mounted, and a face plate secured to the outer end of the shank and adapted to overlie said base plate.

2,190,193
CHEMICAL WOOD-PULPING PROCESS
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application January 31, 1936, Serial No. 61,678
6 Claims. (Cl. 92—13)



4. A process of pulping chipped wood in an alkaline sodium base cooking liquor containing caustic soda as an essential fiber-liberating chemical, which comprises cooking the chipped wood in a digester which contains a volume of such liquor not much more than that necessary to cover said wood; maintaining during the cooking operation circulatory communication between the liquor in said digester and a sufficiently large reservoir of similar liquor outside of said digester to cause a volume of liquor more than twice that requisite for covering said wood to participate in the cooking operation, the total volume of liquor participating in the cooking operation containing far more than sufficient active fiber-liberating chemical to pulp said wood completely; and heating the liquor while part of said reservoir outside of the digester substantially to the temperature of cooking in said digester.

2,190,194
CHEMICAL PULPING OF RAW CELLULOSIC MATERIAL
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application October 28, 1936, Serial No. 108,007
7 Claims. (Cl. 92—11)

1. A process of pulping raw cellulosic material, which comprises impregnating such material at a moisture content not exceeding about 50% of its dry weight substantially throughout with vaporous sulphur dioxide, further impregnating such material at a temperature not exceeding about 100° C. substantially throughout with gaseous oxidizing agent to oxidize the sulphur dioxide in situ in the structure of such material to a substantial extent to sulphuric acid, the resulting sulphuric-acid-containing material being of substantially the same dryness as the original material, and then cooking such material to the condition of pulp in chemical pulping liquor.

2,190,195
TREADBOARD
Charles Schivinc, Millvale, Pa.
Application March 2, 1939, Serial No. 259,485
2 Claims. (Cl. 238—14)

1. As an article of manufacture, a treadboard comprising a rigid board, a plurality of cleats positioned transversely of said board and anchorage means formed integrally with said cleats disposed laterally and downwardly of said board, in combination with an end-plate comprising a plate-element; two dowels secured at two adja-



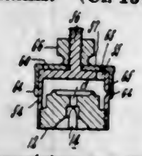
cent corners thereof; at least one of the end-cleats of said board having a plurality of angularly disposed sets of apertures adapted to be engaged by said dowels to removably hold said end-plate in selected rigid angular relation with said traction-board.

2,190,196
ELECTRIC MOLDING
Waldimir Semenyna, Boston, Mass.
Application December 10, 1937, Serial No. 179,129
4 Claims. (Cl. 173—334.1)



2. An electric molding of the character described comprising, in combination, a core of insulating material provided with grooves extending longitudinally thereof and with openings grouped in pairs and communicating with said grooves, an electric conducting member mounted within each of said grooves, a strip of flexible insulating material covering said conducting members and yieldingly holding the latter seated in said grooves, and an electric contact member permanently mounted in each of said openings and connected to a conducting member.

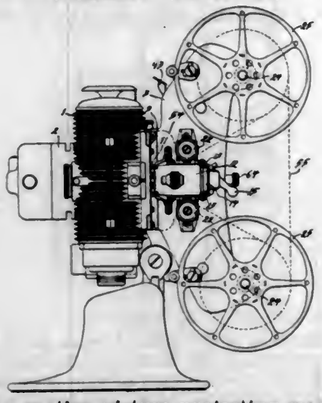
2,190,197
ADJUSTABLY VENTED AIR VALVE
William K. Simpson, Waterbury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois
Application March 18, 1936, Serial No. 69,510
2 Claims. (Cl. 137—122)



2. A valve comprising a cylindrical shell structure having an open interior and a ported end wall, a screw threaded stud projecting outward from said end wall, a complemental shutter fitted to rotate on said stud and formed to enclose the ported end of said shell in close contact therewith, the end face of said shutter having a series of ports of different sizes concentrically arranged about its center for selective registry with the port in the end wall of the shell, the rim of the shutter surrounding the end of the cylindrical shell being provided with notches in its edge and the side of the cylinder having a

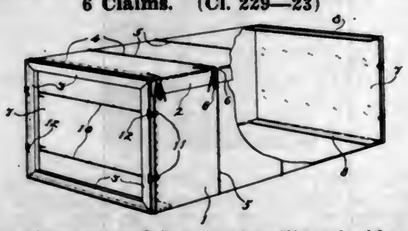
projection cooperating with said notches to lock said shutter positively in adjusted position with a selected port in the shutter in registry with the port in the shell, and a nut for said threaded stud whereby the shutter can be pressed against the ported wall of the shell and the notch corresponding to the selected port positively held in engagement with the projection whereby the shutter is prevented from being rotated.

2,190,198
MOTION PICTURE PROJECTING MACHINE
Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application August 28, 1936, Serial No. 98,367
7 Claims. (Cl. 88—17)



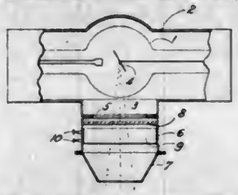
1. In a motion picture projecting machine the combination of a film feed gate movable into and out of film guiding position, two film reel members, manually actuated means shiftable into opposite positions for alternately driving said reel members, a manually actuated pivotally mounted member, an operative connection between said pivotally mounted member and said gate whereby pivotal movement of said pivotally mounted member effects said movement of said gate, and interlock means operative between said shiftable means and said pivotally mounted member adapted to lock one thereof in one position by positioning the other in one position.

2,190,199
BOX
Earl R. Stivers, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application February 21, 1935, Serial No. 7,498
6 Claims. (Cl. 229—23)



2. A box comprising a plurality of side sections connected together and having interior cleats to provide an interior cleat frame at an end of the box and a fiberboard end section located within the cleat frame and having a flexible binder secured thereto and connected to opposite side sections and having also a flap bent at an angle to the body of the end section and extending into the interior of the box.

2,190,200
X-RAY MEASURING INSTRUMENT
John A. Victoreen, Cleveland Heights, Ohio
Application November 24, 1936, Serial No. 112,481
3 Claims. (Cl. 250—83)



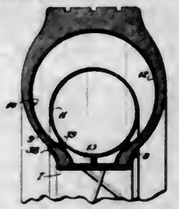
1. In a device for measuring the intensity of radiations from an X-ray tube, comprising a plurality of photovoltaic cells connected in series with each other, fluorescent members superposed on each of said cells, said cells being sensitive to fluorescence from said members, and said members adapted to fluoresce in the presence of X-rays, and an output meter connected to indicate the output of said cells.

2,190,201
BAKING PAN
Paul S. Ward, Cincinnati, Ohio
Application March 15, 1938, Serial No. 196,013
9 Claims. (Cl. 53—6)



1. The combination of a baking pan and a sheet metal frame for exteriorly jacketing the sides of the pan having a rim recessed from the body of the frame and interfitting with the rim of the pan for replaceably connecting with the same and suspendingly supporting the pan with the bottom thereof within the confines of the frame and at an elevation above contact with the oven hearth or floor, and marginally protected by the frame, the frame at its lower portion recessed for nesting one unit with another for stacking.

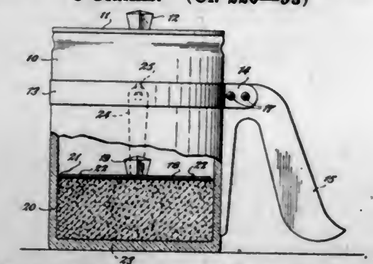
2,190,202
METHOD OF MAKING SAFETY INNER TUBES FOR PNEUMATIC TIRE CASINGS
Gordon C. Arey, Fort Thomas, Ky.
Original application March 11, 1935, Serial No. 10,348. Divided and this application December 22, 1938, Serial No. 247,277
7 Claims. (Cl. 154—14)



2. The method of making an inner tube for pneumatic tires, said tube having inner and outer

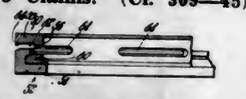
chambers comprising the steps of; first, providing an annular chamber constituted by inner and outer walls and of crescent form in cross section, and, thereafter, sealing together the adjacent and connected ends of the walls to form the inner chamber within the annular chamber of crescent form.

2,190,203
COFFEE CONTAINER
Walter E. Barnard, Wethersfield, Conn.
Application August 5, 1937, Serial No. 157,562
3 Claims. (Cl. 220—93)



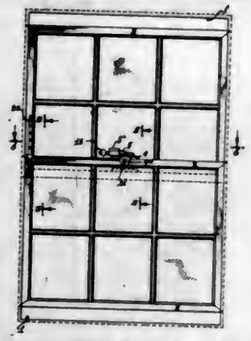
1. In a container for coffee and the like, in which a removable follower rests upon and is supported by a loose body of coffee or the like within a chamber of a container, that improvement in the follower which comprises an imperforate member with a relatively flat underface, of relatively rigid material and of materially smaller diameter than the diameter of the chamber of said container in which it rides but extending across the major portion of said chamber, so as to rise and fall freely in said chamber and be freely tiltable, without binding, therein into different substantial angles of inclination in said chamber, and a relatively thin, imperforate flange carried by said member and extending outwardly therefrom to increase the effective breadth of the follower and form an imperforate enlargement of said member, said flange being of flexible, somewhat resilient material which has an inherent tendency, when released after flexing, to project itself straight out in the same direction from the margin of said member and when so released is of a size slightly larger than said chamber so as to engage against and wipe along the side walls of said chamber around its entire periphery and with a minimum of frictional resistance as the follower rises and falls in the chamber, and to also lie in close proximity to the side walls of said chamber when the follower is tilted in said chamber into different inclinations in seating upon inclined upper faces of said body of coffee or the like in said chamber.

2,190,204
PISTON RING
Alfred Bergeron, Chicopee Falls, Mass.
Application October 17, 1936, Serial No. 106,123
Renewed December 16, 1939
5 Claims. (Cl. 309—45)



1. A piston ring comprising in combination, upper and lower split ring sections, the lower ring section having a vertical body portion and inwardly extending lower flange and upper head portions with a socket therebetween, the upper ring section having a vertical body portion and outwardly extending upper flange and lower base portions with a socket therebetween, the bottoms of said sockets being relatively wide and flat and the said head and base disposed in said sockets and provided flat end faces bearing on the flat bottoms of the sockets, the said sections being formed to provide a radially extending oil slot therebetween and the lower section having a radially extending slot leading into said slot.

2,190,205
SASH LOCK
Isidore Birman, Peekskill, N. Y.
Application June 11, 1938, Serial No. 213,170
2 Claims. (Cl. 70—90)



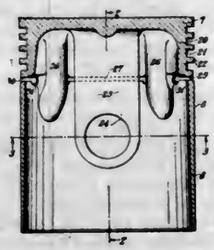
1. A sash lock comprising a base plate having means for securing the same to the upper horizontal sash frame member of the lowermost of two vertically slidable sash members, the base plate being formed at its underface with a chamber, a rotary disk disposed in said chamber and carrying an axially positioned stud projected upwardly through the base plate, a pivot pin eccentrically depending from the disk and adapted to receive one end of a bar for operating supplementary sash locking means, a rotary cam latch mounted on the upper end of said stud and adapted to engage receiving catch means carried by the upper sash, and key-operable lock means carried by said cam latch and including a bolt adapted to be projected downwardly from the cam latch into an aperture formed in said base plate.

2,190,206
ROTARY BRUSH
George R. Churchill, Quincy, Mass.
Application November 1, 1935, Serial No. 47,821
1 Claim. (Cl. 15—179)



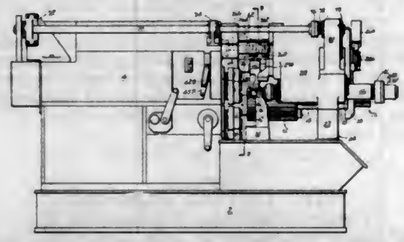
In a rotary brush adapted for high speed rotation, an integral substantially cylindrical hub of vulcanized rubber having an axial aperture therethrough by which the hub may be mounted for rotation, a plurality of bunches of bristles arranged in at least one row extending around said hub, each of said bunches extending substantially radially of said hub and having one end extending a substantial distance into said hub, the rubber of said hub extending into said bunches between the bristles thereof and actually between said bunches so that said end of each said bunch is embedded in the rubber of said hub to secure the same against the action of centrifugal force under high speed rotation, the rubber of said hub being softer adjacent the periphery thereof than adjacent said aperture so as to cushion said bunches against circumferential forces.

2,190,207
PISTON
Harold H. Dillon, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application March 10, 1937, Serial No. 130,086
5 Claims. (Cl. 309—11)



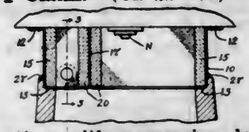
1. A piston comprising an integrally formed head and skirt, said head provided with a depending ring flange and a pair of depending apertured pin bosses, said bosses extending downwardly within the skirt portion of the piston and spaced from the walls thereof, said skirt provided with opposed bearing faces having apertures in alignment with said depending pin boss apertures, and a pair of opposed thrust faces on an axis normal to the axis of said pin boss apertures, the central portion of each of said bearing faces and said thrust faces being separated from said ring flange by a horizontal slot and the end portions of each of said bearing faces and said thrust faces joined to each other and to said ring flange by an integrally formed connector.

2,190,208
CHUCKING MACHINE AND METHOD
Sven E. Green, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 17, 1936, Serial No. 116,392
24 Claims. (Cl. 29—38)



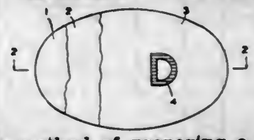
1. In a machine of the character described, a frame, a quill mounted to slide endwise in the frame, a spindle journalled for rotation in the quill and having a chuck, means for locking the quill in retracted position, a cam for retracting the locking means, and a cam for sliding the quill to advance the chuck to a loading position; substantially as described.

2,190,209
APPARATUS FOR ELIMINATING PIPE, ETC., IN METALS
George W. Hazey, Cleveland, Ohio, assignor, by direct and mesne assignments, of twenty-five per cent to Richard C. Tuma, Los Angeles, Calif., six and two-thirds per cent to H. H. Handelman, Cleveland, Ohio, ten per cent to Edward Gadd, Leavittsburg, Ohio, and twenty-five per cent to Elias C. Tuma, Cleveland, Ohio
Original application December 7, 1934, Serial No. 756,496. Divided and this application April 1, 1938, Serial No. 199,388
1 Claim. (Cl. 22—73)



In combination with a pouring ladle and a mold, a metal enclosure interposed therebetween to form with the mold a relatively airtight chamber, a metal partition dividing said enclosure into two chambers, inturned flanges at the bottom of said enclosure and partition, a heat-resistant lining covering the interior of said enclosure and said partition and resting on said flanges, a fitting secured to said enclosure and leading to the interior of said smaller chamber and adapted to receive a hose connection by which gas is removed from the said chamber.

2,190,210
DECALCOMANIA AND METHOD OF PREPARING SAME
Joseph W. Kaber, Shaker Heights, Ohio
Application November 23, 1937, Serial No. 176,098
13 Claims. (Cl. 41—33)

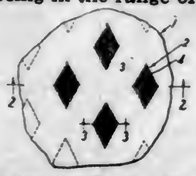


13. The method of preparing a decalcomania which comprises applying a coating of cellulose lacquer upon an adhesive coated paper to form a film, drying said film, applying a design to the film in the form of an ink containing a cellulosic binder, a low vapor pressure solvent for the cellulosic binder, and a powder containing a ceramic flux and a pigment, the liquids and solids in said ink being present in such relative proportions that it will dry immediately when applied to said film, applying a coating of a cellulose lacquer containing a ceramic flux and pigment over said design to form a second lacquer film, and then applying a layer of adhesive to the second lacquer film.

2,190,211
ANTISKID TREAD FOR STAIRS, FLOORS, AND THE LIKE
Louis J. A. Lavallee, Springfield, Mass.
Application March 8, 1939, Serial No. 260,499
3 Claims. (Cl. 94—5)

1. An antiskid tread for stairs, floors, and the like, comprising a metal plate with its surface etched into a series of alternate narrow grooves

and narrow ridges, the width of said grooves and of said ridges being in the range of from 1/32 to 1/8



of an inch, and the depth of said etched grooves being in the order of .005 of an inch.

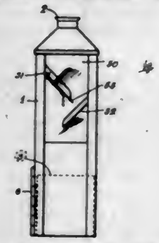
2,190,212

FARE BOX TELLTALE DEVICE

Eugene Murdock Macdonald, Shaker Heights, Ohio

Original application August 27, 1936, Serial No. 98,225. Divided and this application February 2, 1938, Serial No. 188,284

3 Claims. (Cl. 116—114)



2. In a fare box, the combination of an exteriorly visible, vertically disposed fare-receiving passage, a baffle plate in said passage, a hinge slidably mounted on said plate, and means pivotally mounted on said hinge for indicating the insertion of a coin extracting instrument and the like into said passage.

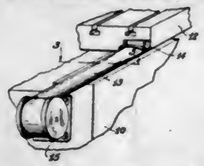
2,190,213

WAY GUARD FOR MACHINE TOOLS

Henry F. Meyer, University Heights Station, Ohio

Application December 15, 1937, Serial No. 179,915

6 Claims. (Cl. 90—58)



1. In a machine tool embodying a base having ways thereon and a carriage slidably mounted on said ways, a shield for said ways, comprising a metal shield of arcuate transverse section, a cylindrical housing for said shield, lugs thereon having slots therein, a tongue mounted on said base loosely engageable in said slots, a spring in said housing connected to an end of said tape to effect the retraction thereof in coiled form, a bracket on said carriage disposed for abutting engagement with said housing and having the opposed end of said shield affixed thereto.

2,190,214

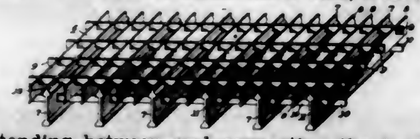
GRATING AND LIKE STRUCTURE

Harry S. Nagin, Pittsburgh, Pa., assignor to Reliance Steel Products Company, Rankin, Pa., a corporation of Pennsylvania

Application October 23, 1937, Serial No. 170,587

6 Claims. (Cl. 189—82)

6. A structural assembly composed of units joined together to form a continuous structure, each unit comprising at least three main bearer bars of greater depth than width spaced apart and extending substantially parallel to each other, intermediate bearer bars of less depth than the main bearer bars disposed between the main bearer bars and substantially parallel thereto, there being at least one intermediate bearer bar between each pair of main bearer bars, cross bars



extending between and connecting the tops of the main bearer bars and the tops of the intermediate bearer bars, and carrier bars extending between and secured to the main bearer bars, the top edges of the carrier bars being in contact with the bottom edges of the intermediate bearer bars, the bottom edges of the carrier bars lying in a plane which is above the plane of the bottoms of the main bearer bars.

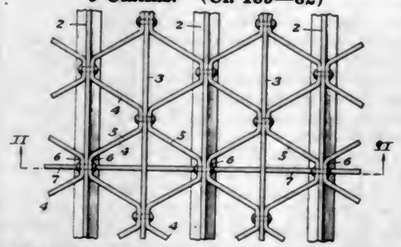
2,190,215

GRATING AND LIKE STRUCTURE

Harry S. Nagin, Pittsburgh, Pa., assignor to Reliance Steel Products Company, Rankin, Pa., a corporation of Pennsylvania

Application November 30, 1938, Serial No. 243,141

9 Claims. (Cl. 189—82)



9. A grating structure of the class described composed of units joined together to form a continuous structure, each unit comprising at least three, longitudinally extending main bearer bars in spaced parallel relation, zigzag bars having diagonal portions and flattened portions connecting the main bearer bars and of less depth than and disposed between each pair of the main bearer bars, the alternate flattened portions of the zigzag bars contacting the sides of the main bearer bars and secured thereto, the tops of the zigzag bars and the main bearer bars lying in the same plane, and means below the zigzag bars for transmitting stresses from the zigzag bars to the main bearer bars, said means including carrier bars extending transversely between the main bearer bars and secured thereto, the bottoms of the carrier bars being above the bottoms of the main bearer bars and the tops of the carrier bars being in contact with the lower edges of the zigzag bars.

2,190,216

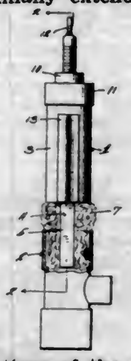
PIPE FITTING CLEANER

Charles Nunziato, Yonkers, N. Y.

Application September 20, 1938, Serial No. 230,858

1 Claim. (Cl. 15—211)

A device for cleaning the interior surface of a tubular body, comprising a cylindrical receptacle open at one end, a cap covering the other end of the receptacle and having a threaded nut as an integral portion thereof, a screw extending longitudinally into the receptacle through and in threaded connection with said nut, a head carried on the inner end of said screw and slidable in the receptacle, an elongated frame extending from the open end of the receptacle and comprising two longitudinally extending side portions



forming continuations of the wall of the receptacle and a cross connecting portion between the side portions at the ends thereof remote from the receptacle, and a body of abrasive material filling said frame and extending into the receptacle and adapted to be forced from the receptacle into the frame as necessary to maintain the frame filled.

2,190,217

LUBRICATING ELEMENT

Earl S. Patch, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 23, 1937, Serial No. 170,527

5 Claims. (Cl. 267—50)



1. A laminated spring, comprising a plurality of superimposed spring plates of graduated lengths and provided with recesses near the ends thereof; a plurality of porous metal, oil impregnated plugs disposed in said recesses and riveted at either side of the spring plates, the surfaces of said plugs being substantially flush with the surfaces of the spring plates whereby the plugs only carry their proportional share of the compressive load on said plates as determined by the relative areas of the plugs on the plates.

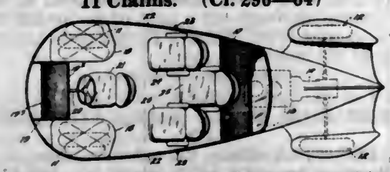
2,190,218

MOTOR VEHICLE

Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 27, 1937, Serial No. 128,262

11 Claims. (Cl. 296—64)



1. A motor vehicle comprising in combination, forward and rear supporting wheels, the forward wheels being steerable, and a body of the enclosed type mounted upon said wheels, said body having a compartment adjacent the rear wheels for the reception of an engine and a forward compartment for passengers or lading, laterally spaced interior panels defining with the body individual, laterally closed compartments for the steering wheels, a panel extending transversely and comprising the rear wall of a compartment intermediate said steering wheel compartments, and an operator's seat in the space in rear of said transverse panel and between said laterally spaced panels.

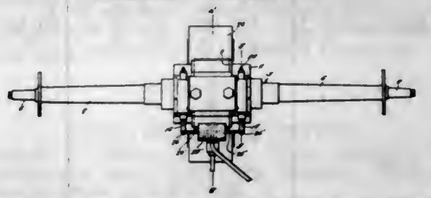
2,190,219

TRAILER BRAKE

Lester H. Pelster, New Haven, Mo.

Application February 11, 1939, Serial No. 255,986

3 Claims. (Cl. 188—91)



1. In a fluid brake, a housing including a fluid chamber and axle sleeves to receive axles of ground wheels, a crank shaft journaled in said housing, means for clutching and declutching the crank shaft to the axles, pump cylinders mounted on said housing, pistons operating in said cylinders, means connecting said pistons to the crank shaft, said cylinders having intake and exhaust passages, intake and exhaust valves for said intake and exhaust passages, cams on the crank shaft for the operation of said valves, an intake fluid pipe connected to the intake passages, an exhaust pipe connected to the exhaust passages, and a cylinder having a series of ports connected to the exhaust pipe, a valve operating in the last-named cylinder for controlling said ports.

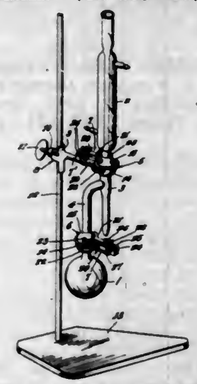
2,190,220

CHEMICAL APPARATUS

William F. Schilling, Vineland, N. J., assignor to Ace Glass Incorporated, Vineland, N. J., a corporation of New Jersey

Application June 12, 1939, Serial No. 278,745

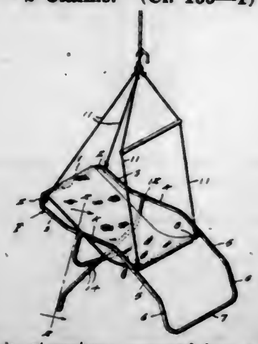
1 Claim. (Cl. 285—91)



In a chemical apparatus, companion elements formed of glass and having portions in interfitting engagement with each other, one of said portions being a cup-shaped female member and

the other a substantially spherical male member freely engageable in the female member, an outstanding flange surrounding said female member and having an under face, the inner surface of said female member being ground and the lower portion of the male member being of increased diameter and having a ground surface, and a clamp having jaws for straddling said members with one jaw engaging the under face of said flange and the other jaw engaging about the male member, and means for tightening said clamp and drawing said members into close contacting engagement with each other to form a tight joint and detachably hold said elements in cooperating relation to each other.

2,190,221
CHAIR
Cyril Eugene Scott, Canton, N. Y.
Application May 26, 1938, Serial No. 210,258
2 Claims. (Cl. 155—1)



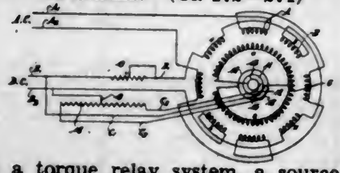
1. A chair structure comprising a frame having a top cross member, upper side members, intermediate arm members in continuation of the upper side members and disposed on an upward incline with respect thereto, lower side members continuing on a downward incline from the intermediate or arm members, a cross member connecting the outer end portions of the lower side members, a cross member connecting the lower side members at a point spaced from the intermediate or arm members, a combined seat and back secured to the top member and to the last named cross member, and a supporting prop rigidly engaged with the intermediate or arm members, said prop being substantially at right angles to the intermediate or arm members.

2,190,222
PORTABLE TABLE STRUCTURE
Bernard J. Strasser, Ozone Park, N. Y.
Application October 27, 1937, Serial No. 171,328
1 Claim. (Cl. 311—17)



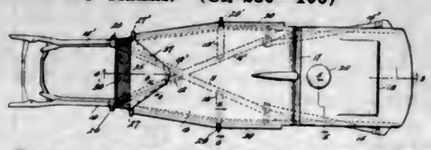
Means for holding table leaves on an upright support comprising a block having an opening formed therein to receive said support, a threaded member carried in said block, moving substantially perpendicularly relative to said support, a plate within said opening carried on and threadedly engaged with said threaded member and abutting against parts of said block whereby rotative motion of said plate is substantially precluded, and a clamp face-plate freely rotatably carried on said threaded member adapted to abut against said support, the useful surface of said face-plate presenting a V-shaped groove whereby, as the threaded member is advanced, the support member is positioned and securely held between the face-plate and sides of the opening.

2,190,223
ELECTRIC MOTOR
Charles P. Sweeny, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application January 27, 1938, Serial No. 187,261
13 Claims. (Cl. 172—274)



1. In a torque relay system, a source of alternating current power, a source of direct current power, an electric motor having a stationary member and a rotatable member, a first winding upon one of said members energized from said source of alternating current power, a second winding upon the other of said members energized from said source of direct current power, a third winding upon said one of said members energized from said source of direct current power, said second winding being divided into sections, and means for differentially varying the direct current energization of said sections.

2,190,224
MOTOR VEHICLE
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 7, 1936, Serial No. 114,692
8 Claims. (Cl. 280—106)

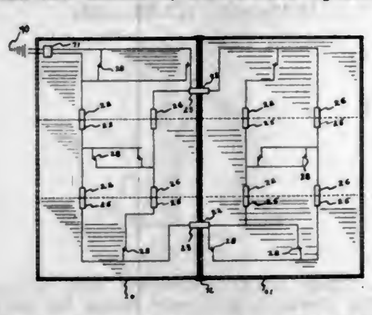


3. In a motor vehicle, a chassis frame comprising side members and cross members, said side members having integral horizontal flanges at their upper sides throughout a part only of their length and having integral horizontal flanges at their lower sides throughout the remainder of their length, and a floor member secured to said upper flanges throughout a part of its length and secured to said lower flanges throughout another portion of its length.

2,190,225
ELECTRICALLY WIRED TABLE COVER AND PAD
Elmer D. Vollmer, Cleveland, Ohio
Application June 21, 1939, Serial No. 280,335
5 Claims. (Cl. 45—68.4)

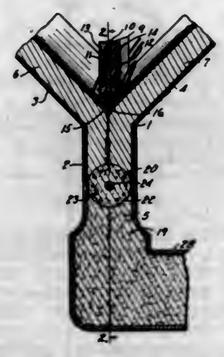
1. An electrically wired table cover comprising

a plurality of sections foldably connected, electric terminals in said sections, conducting means normally connecting said terminals when said sections are unfolded, and means operated by



folding of said sections for rendering said conducting means inoperative and by unfolding of said sections to render said conducting means operative to connect said terminals.

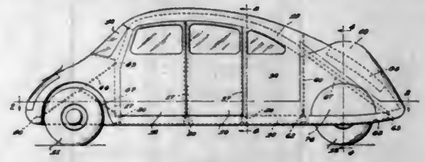
2,190,226
METHOD OF INTRODUCING A FLAVORING INGREDIENT INTO A FROZEN COMESTIBLE
Armstead M. Alexander, Independence, Mo.
Application June 11, 1937, Serial No. 147,656
9 Claims. (Cl. 99—136)



1. The method of introducing a flavoring ingredient into a partially frozen comestible including, forming the comestible into separately moving streams to maintain space therebetween, maintaining the streams under gaseous pressure at the place of separation, effecting convergence of said streams, introducing the flavoring ingredients through said space and between said streams substantially at the time and place of said convergence and while under said gaseous pressure, and dispersing the flavoring ingredient in individual particles throughout the body of the frozen comestible after convergence of said streams.

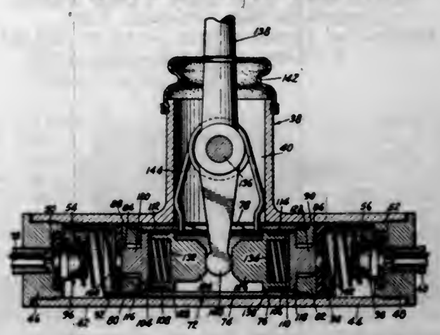
2,190,227
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 29, 1937, Serial No. 171,793
11 Claims. (Cl. 296—28)

1. In a motor vehicle body, the combination with longitudinally extending structural members disposed adjacent the upper and lower portions of the body sides, said members having exposed surfaces forming a part of the body exterior, of means extending between certain of said structural members and affording continuations of said exposed surfaces, structural mem-



bers extending transversely of said body and secured to the lower of said longitudinally extending structural members, and upstanding pillars at each side of said body extending between and secured to the adjacent upper and lower longitudinally extending structural members.

2,190,228
FLUID PRESSURE SYSTEM
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application September 7, 1937, Serial No. 162,787
6 Claims. (Cl. 60—54.6)

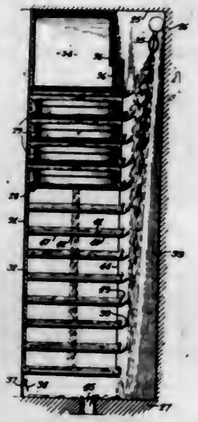


1. A fluid pressure producing device comprising a reservoir, opposed cylinders opening into the reservoir, a piston reciprocable in the cylinders including a hollow cylindrical slotted body having an orificed head on each end thereof, opposed expansible plungers movable in the cylindrical body for cooperation with the orificed heads, and a lever for actuating the plungers having a part extended through the slot and interposed between the plungers.

2,190,229
CABINET FOR THE STORAGE OF FILM
John G. Bradley, Willisville, Ill.
Application August 4, 1939, Serial No. 288,362
20 Claims. (Cl. 109—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

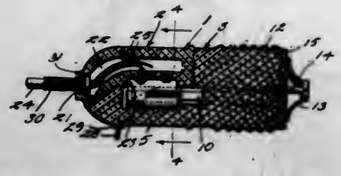
1. A cabinet for the storage and protection of materials, comprising enclosure members forming an enclosed storage space, article supports providing storage areas within said space, a valve-provided intake automatically operable to admit air into said space and automatically operable to prevent the escape of gases and the like from said space, a vent leading from said storage space, normally inoperative means adapted to be actuated by abnormal heat for dis-

pensing a fire extinguishing cooling medium, means for diverting the dispensed medium si-



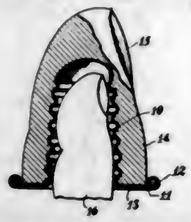
multaneously into each of said areas, and a drain port leading from said storage space.

2,190,230
SEPARABLE ELECTRIC CORD PLUG
Oliver A. Cole, Madison, Ind.
Application August 4, 1938, Serial No. 223,095
2 Claims. (Cl. 173—343)



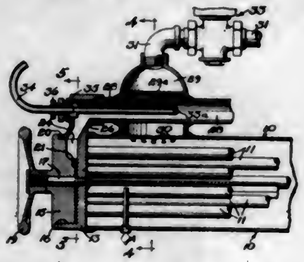
1. An electric cord plug, comprising an elongated unit formed from one end through a portion of its length as a cylinder, the unit being longitudinally divided from its other end to form a separable portion and a fixed portion which is integral with the cylinder, said separable and fixed portions having opposing contacting faces which extend longitudinally of the unit, a pair of electric contact members secured to said separable portion and projecting from the said face thereof, means for connecting an electric cord with said separable portion and electrically coupling the cord with said contact members, a pair of electrical contacts mounted in recesses in the said face of the fixed portion to receive said contact members, an electric current conducting threaded sleeve encircling said cylindrical portion and electrically connected with one of said contacts, an electric terminal at the center of the cylindrical portion upon the end remote from said fixed portion and electrically coupled with the other one of said contacts, interlocking means between the fixed and separable portions of the unit consisting of prongs projecting from the said face of one portion and notches in the face of the other portion to receive the prongs whereby disengagement of the two portions by relative longitudinal movement is prevented, and a loop-like fastener straddling one of the portions and pivotally coupled therewith to be swung over the end of the other portion to encircle the same and secure the portions against lateral separatory movement.

2,190,231
THUMB LOLLIPOP
Frederick L. Craddock, Wilmington, Del.
Application August 7, 1939, Serial No. 288,885
11 Claims. (Cl. 99—138)



1. A candy lollipop provided with a thumb-receiving recess, a deformed lining for said recess, and a drip flange at the lower end of said lining.

2,190,232
TEMPERATURE CONTROL MEANS
Lawrence A. Fry, Los Angeles, Calif., assignor to Bireley's Incorporated, Los Angeles, Calif., a corporation of California
Application March 17, 1937, Serial No. 131,399
4 Claims. (Cl. 257—2)

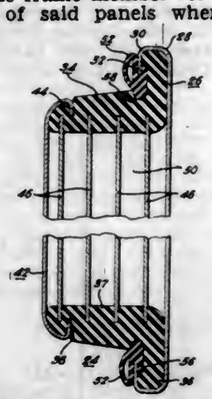


1. A pasteurizing apparatus comprising a main heating chamber, a supplementary heating chamber mounted externally on said main heating chamber and communicating therewith, means forming a passageway through which fluid is adapted to be conducted, said passageway passing through said main heating chamber and having an outlet passing through said supplementary heating chamber, means for supplying heat to said supplementary chamber from where it may pass into said main heating chamber, said heat means passing through said supplementary heating chamber transversely to the direction of fluid flow through said outlet, means for regulating the flow of heat to said supplementary chamber, and means responsive to the temperature of the fluid in said outlet within the supplementary heating chamber for controlling said regulating means.

2,190,233
REFRIGERATOR DOOR
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 30, 1937, Serial No. 182,382
6 Claims. (Cl. 20—35)

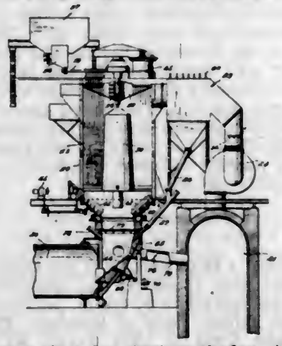
1. A door assembly comprising an inner and an outer panel, a frame member including a resilient rubber portion interposed between the said panels, and means on the resilient rubber

portion of the frame member for releasably engaging one of said panels whereby the said



panel may be snapped in place on the resilient portion of said frame member.

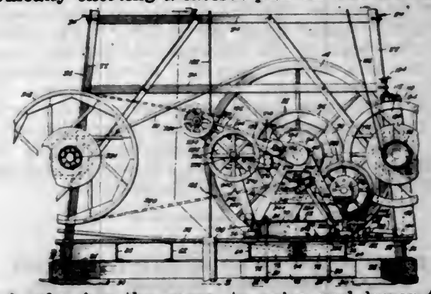
2,190,234
HEAT EXCHANGE APPARATUS
Alexander Hasselbach, Fritz Luther, and Paul Hille, Dessau, Germany, assignors to G. Polysius, Aktiengesellschaft, Dessau, Germany
Application May 23, 1938, Serial No. 209,626
In Germany May 29, 1937
13 Claims. (Cl. 263—32)



1. In apparatus for drying sludge, the combination with a chamber, flexible carrier elements suspended in said chamber, means for depositing sludge on said elements, mechanism intermittently agitating said elements to dislodge the sludge therefrom, and means automatically operable in timed relation with said mechanism for periodically interrupting the operation of said first named means to suspend the depositing of sludge on said elements during cessation of agitation of the latter.

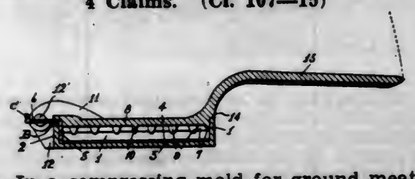
2,190,235
DRILLING APPARATUS
Harry W. Huber, Brookville, Pa.
Application May 22, 1939, Serial No. 275,041
19 Claims. (Cl. 255—2)

1. In a drilling apparatus, the combination of a crown sheave, a drill line passing over the sheave for connection with a drill, a drive shaft, a spudding action operatively connected with the drive shaft and the drill line, and means for paying out the drill line as the depth of the well increases, said spudding action including a pilot wheel and an action wheel located between the pilot wheel and the crown sheave for periodically exerting a lateral pull on the drill line



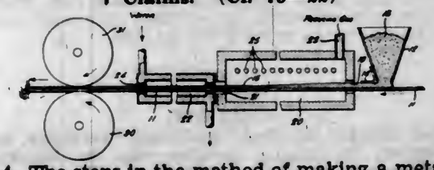
and releasing the same, to raise and lower the line run connected with the drill.

2,190,236
COMPRESSING MOLD FOR GROUND MEAT OR THE LIKE
Bernard King and Preston A. Fellis, Wichita, Kans.
Application November 8, 1939, Serial No. 303,440
4 Claims. (Cl. 107—15)



1. In a compressing mold for ground meat or the like, a container consisting of bottom and side walls, a compressing element consisting of side walls and a plate to close one end of the walls, said container and compressor being hingedly connected to rock toward and from each other, an auxiliary bottom to loosely seat on the bottom of the container, means to rock said auxiliary bottom outward and slanting from parallelism with the bottom of the container when the compressing element is rocked to an open position.

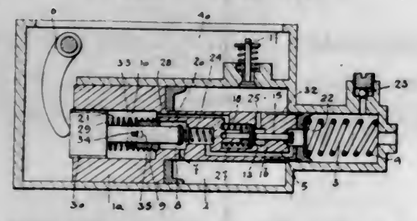
2,190,237
METHOD OF MAKING A COMPOSITE METAL STRUCTURE
Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 30, 1937, Serial No. 182,411
7 Claims. (Cl. 75—22)



4. The steps in the method of making a metallic structure comprising: providing a porous metal matrix of homogeneous character by sintering together finely divided non-compacted metal powder, fluxing said matrix with a suitable flux so that the flux penetrates the interstitial pores of the matrix, impregnating the fluxed porous metal matrix with a mixture of metals which includes one metal that is readily alloyable with the metal in the matrix and another metal which is not readily alloyable with the metal of the matrix, at a temperature only

slightly above the melting point of the impregnating alloy and for such a time as to prevent any substantial dissolving action by the readily alloyable metal upon the matrix, then subsequently heating the impregnated porous metal matrix at a temperature well above the impregnating temperature and thereby causing the readily alloyable metal to diffuse into the metal of the matrix and form an alloy therewith without destroying the continuous structure of the matrix and leaving the less alloyable metal dispersed within the pores of the matrix.

2,190,238
HYDROCOMPOUND BRAKING SYSTEM
Octave Lepersonne, Brussels, Belgium
Application January 4, 1934, Serial No. 705,292
In France January 6, 1933
1 Claim. (Cl. 60—54.6)

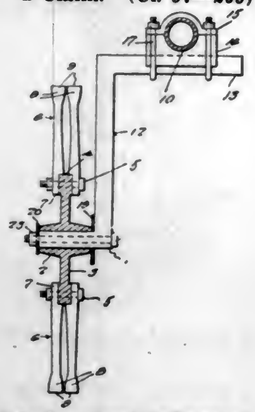


A fluid system for transmitting power between a foot pedal or like element and a brake cylinder, comprising a piston unit having a large piston and a small piston, means responsive to the foot pedal for actuating said piston units, a cylinder for each of said pistons, a duct establishing communication between the small cylinder and the brake cylinder, a communication between the two cylinders, a valve in said communication opening towards the small cylinder, a fluid reservoir, a second communication between the large cylinder and the fluid reservoir, a valve in said second communication operable independently of the first mentioned valve and opening under pressure created in the large cylinder, resilient return means for said second valve, an element subjected to the pressure in the small cylinder for opening said second valve, a third communication between the large cylinder and the fluid container, a non-return valve in said third communication opening toward the container, spring means for holding the valve closed to maintain in the cylinders a light pressure when the system is idle, and closing means for said third communication actuated by the movement of the piston unit under the foot pedal, said first valve, second valve, element, non-return valve and closing means being carried by the piston unit.

2,190,239
ADHESIVE
Adolf Menger, Krefeld-Uerdingen, Germany, assignor, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
No Drawing. Application January 9, 1935, Serial No. 1,069. In Germany January 16, 1934
3 Claims. (Cl. 260—29)

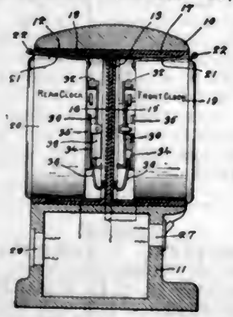
1. A method of preparing and applying an adhesive that comprises bringing together a urea-formaldehyde condensation product, a hardening agent therefor, and a polyhydric phenol in an aqueous solution containing free formaldehyde, and applying the resulting adhesive before it hardens.

2,190,240
FENDER FOR PLOWS
Robert L. Miller, Webb City, Mo.
Application December 29, 1938, Serial No. 248,316
1 Claim. (Cl. 97—209)



A fender and ground pulverizer for attachment to a plow beam alongside the plow element comprising a bracket member having a right angled lower end, means to attach said bracket member to said beam in suspended position with the right angled end laterally extending, and a wheel-like unit rotatably mounted on said right angled end including substantially radial teeth and adapted for rotation under travel of the plow and engagement of said teeth with the ground, said teeth being arranged in opposed pairs spaced around the unit equidistantly, the teeth of each pair being disposed upon opposite sides of said unit and terminating in enlarged spade-like ends closely spaced edgewise and having straight sharp digging edges, and the teeth of each pair including shanks having opposed concaved edges providing a clearance therebetween.

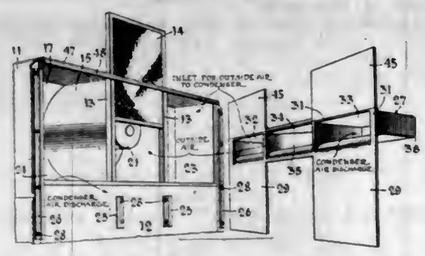
2,190,241
TIME CONTROLLED SWITCH
William Morrone, Oakdale, Pa., assignor of forty per cent to Salvatore F. Gallo, and five per cent to Joseph Miller, both of Oakdale, Pa.
Application April 25, 1939, Serial No. 269,991
2 Claims. (Cl. 200—35)



2. Time controlled switch apparatus comprising an alarm clock, a housing encircling the alarm clock, a metal conductor in the form of an annulus engaging the peripheral metal wall of the clock and insulated from the housing, a metal conductor forming a diaphragm across the housing in rear of the clock and insulated from the housing, an insulated stationary switch contact

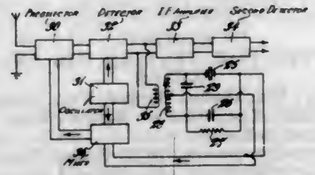
on the rear wall of the clock having a hinged portion, a stationary insulating contact on said stationary switch contact and exposed when the hinged portion of the stationary switch contact is rocked to released position beyond the insulated contact, a metal leaf spring electrically connecting the stationary switch contact to the diaphragm contact, said alarm clock having an alarm winding key, and a switch arm fixed at one end to the key and having the free end adapted to engage the hinged portion of the fixed switch contact when the hinged portion is in one position of the pivotal movement and adapted to engage the insulating contact when the hinged portion is rocked to its other position of pivotal movement for effecting respectively closed circuit and open circuit position of the arm.

2,190,242
AIR CONDITIONER
Charles H. Neiman, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application July 8, 1939, Serial No. 283,492
6 Claims. (Cl. 62—129)



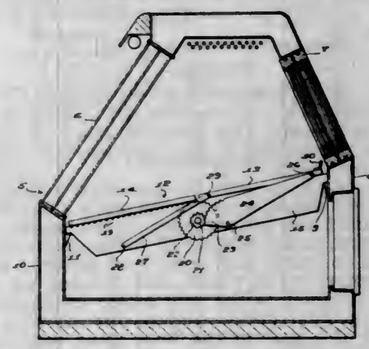
1. The combination of a conditioner having an enclosing wall provided with a room circuit air inlet opening and separate inlet and discharge openings for condenser air; a duct element whose vertical dimension is less than that of said openings, said element being vertically adjustable relatively to said wall and having ducts adapted to afford distinct communications from said discharge opening and to said inlet openings; means for fixing said duct element in adjusted position; and means for closing portions of said condenser air openings both above and below said duct element.

2,190,243
RETROACTIVE VALVE APPARATUS
James Robinson, London, England
Application August 8, 1939, Serial No. 289,059
In Great Britain December 14, 1937
6 Claims. (Cl. 250—20)



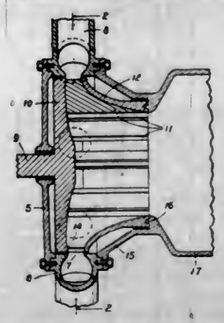
1. A retroactive valve apparatus for an applied band of frequencies comprising a frequency changer having a valve oscillator and a mixing device, to which mixing device said band of frequencies and the local oscillations are applied, and retroactive means for feeding a portion of the beat frequency signal output from the frequency changer to the oscillator to provide at the input of the frequency changer a substantial negative retroaction for a major part of the band of frequencies and a less negative retroaction for a narrow intermediate part of said band of frequencies.

2,190,244
MOVABLE SHELF CONSTRUCTION
John Wade Row, Berrien Springs, Mich.
Application December 29, 1938, Serial No. 248,306
2 Claims. (Cl. 211—134)



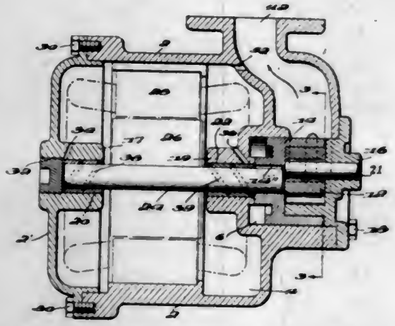
2. A shelf structure comprising a pair of article-supporting sections, a support for the article-supporting sections, leg members for one of the article-supporting sections pivotally connected to the said section and to the support, and drive means on the support operatively connected with one of the leg members and constructed and arranged whereby when the last mentioned article-supporting section is lifted and shifted in a direction over the other section, the said other section is moved to a position substantially where the lifted section was originally located.

2,190,245
PUMP FOR COMPRESSIBLE FLUIDS
Page M. Sartell, Sartell, Minn.
Application March 2, 1938, Serial No. 193,585
15 Claims. (Cl. 230—127)



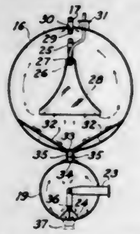
12. A pump for compressible fluids comprising a housing, a rotatable impeller in said housing, said impeller having radial plates and a shroud shaped to set fluid particles that have just entered said impeller into substantially cylindrical rotation, then change the motion of said particles into one that is substantially parabolic, and still further change the motion of said particles to discharge said particles with substantially pure radial velocity.

2,190,246
COMBINATION MOTOR AND PUMP UNIT
Waldo P. Schirmer, Cuyahoga County, Ohio
Application December 1, 1938, Serial No. 243,435
2 Claims. (Cl. 103—118)



1. In combination; a motor and a fluid pump, a fluid inlet and outlet passage to said pump, said motor and pump having an hermetically sealed housing enclosing said pump and motor, a separate compartment within said housing for said motor, an inlet to the said motor compartment from the fluid outlet passage for allowing the passage of a part of the fluid being pumped to enter said compartment, means for withdrawing said fluid from said motor compartment, said means comprising an opening leading from a point at the top of the cavity of said motor compartment into the pump inlet passage and means for releasing the pressure in the fluid outlet passage by allowing the fluid to escape into the fluid inlet passage.

2,190,247
LIQUID MIXER AND SETTLER
Charles W. Stratford, Kansas City, Mo., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application December 8, 1937, Serial No. 178,746
8 Claims. (Cl. 196—46)

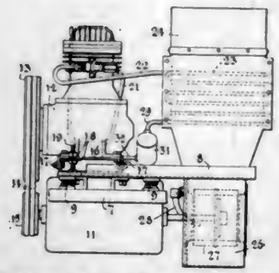


1. An apparatus of the character described comprising an upper container and a lower container, means for introducing a mixture of liquids of different density, together with a finely-divided solid, into said upper container for gravity separation therein, means for withdrawing the less dense liquid from the upper part of said upper container, means for withdrawing the denser liquid together with a solid material suspended therein from the lowest part of said upper container in a narrow stream extending across substantially the full width of said container and introducing them into said lower container, means for withdrawing said denser liquid and said solid from said lower container and means for agitating the contents of said lower container.

2,190,248
PROCESS FOR OBTAINING A SUBSTANCE LOWERING THE BLOOD PRESSURE
Ernst Wollheim, Berlin-Charlottenburg, Germany
No Drawing. Application November 18, 1936, Serial No. 111,557. In Germany November 21, 1935
10 Claims. (Cl. 167—74)

1. A process for obtaining from urine, a substance capable of lowering the blood pressure, which comprises adding a water soluble sulphate to urine, in amount sufficient to produce a precipitate containing the desired substance, allowing the mixture to stand for at least several hours, separating said precipitate from the liquid, therafter dissolving said substance capable of lowering the blood pressure, in water, and at some stage of the process, heating the liquid containing the active substance to about the boiling point.

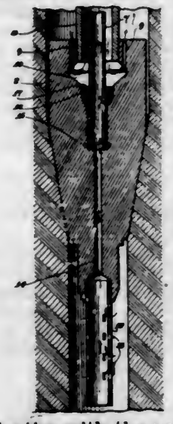
2,190,249
COMPRESSOR-CONDENSER UNIT FOR REFRIGERATING MACHINES
Walter E. Beline, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application July 19, 1939, Serial No. 285,445
5 Claims. (Cl. 62—1)



1. The combination of a dynamically unbalanced compressor; a motor connected to drive said compressor; a condenser to which said compressor delivers; a common platform on which said motor, compressor and condenser are mounted; and supporting means for said platform comprising at least three yielding members symmetrically arranged with reference to the center of mass of the platform and the parts carried thereby all considered as a unit, the compressor and motor being mounted closely adjacent each other with their combined center of mass within the horizontal area bounded by the yielding members, and the condenser being mounted with its center of mass outside said area and sufficiently remote from the motor and compressor to serve as a vibration-damping mass.

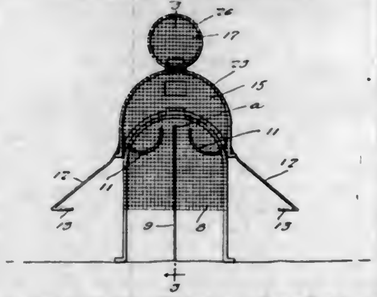
2,190,250
APPARATUS FOR TESTING OIL AND GAS WELLS
Claude Earl Blackburn, Borger, Tex., assignor to J. M. Huber Corporation, Borger, Tex., a corporation of Delaware
Application October 18, 1937, Serial No. 169,684
3 Claims. (Cl. 166—1)

1. A formation tester for oil and gas wells for determining production, comprising in combination with the drill pipe of a packer or shut-off element, a perforated tube attached to the lower end of the packer element for gas and oil entrance, said packer element being centrally bored and having a chamber with outlet ducts for a mud stream flow, said drill pipe being connected to and having open communication with said chamber, a pipe string disposed within the drill pipe for oil and gas flow extending through the said chamber of the packer element and having



open communication with the packer element bore and with said perforated tube, said tester including means for sealing off the packer bore junction with the lower end of the inner pipe string against oil and gas leakage.

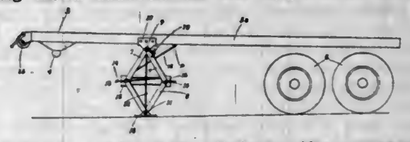
2,190,251
CABBAGE MILLER TRAP
Louis Brandt, Kieler, Wis.
Application January 13, 1939, Serial No. 250,816
3 Claims. (Cl. 43—118)



1. A trap of the character described comprising a pair of end assemblies, said assemblies consisting of a plurality of superimposed receptacles, nipple-like passage forming protrusions between the said superimposed receptacles, an intermediate assembly having insect entrances at the bottom portion thereof and communicating passageways between the intermediate assembly and receptacles of the end assemblies.

2,190,252
JACK FOR SEMITRAILERS
William S. Brant, George J. Lucas, and Albert S. Weaver, Jr., Sacramento, and Smith W. Eakle, Woodland, Calif., assignors to Weaver Tractor Co., Sacramento, Calif., a corporation of California
Application May 12, 1939, Serial No. 273,272
4 Claims. (Cl. 254—86)

1. In the combination of a frame disposed above and movable along the ground, and a jack including a normally folded pantograph linkage, and means mounting said linkage at one end on and depending from the frame; of a swing hook secured on the uppermost linkage



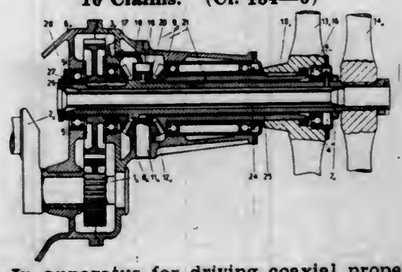
pivot to one side of the linkage, the opposed or lowermost pivot projecting from the same side of the linkage and being normally but releasably engaged by said hook.

2,190,253
CARBON MANIFOLD FORM
Guy F. Brisendine, Kansas City, Mo., assignor to The Schooley Printing and Stationery Company, Kansas City, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 111,026
1 Claim. (Cl. 282—8)



In a manifold form, a U-binder providing a writing surface, a carbon sheet adhered to the fold line of said binder and under the writing surface thereof, and a writing sheet inserted below the carbon sheet and loosely abutting the folded edge of the U-binder, said second sheet being exposed through cut-out portions in the carbon sheet and in the writing surface of the U-binder and the carbon sheet being exposed through an additional cut-out in the writing surface of the binder.

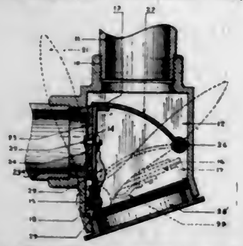
2,190,254
COAXIAL PROPELLER DRIVE
Gianni Caproni, Milan, Italy
Application March 19, 1938, Serial No. 196,862
In Italy March 25, 1937
10 Claims. (Cl. 184—6)



1. In apparatus for driving coaxial propellers in opposite directions by means of concentric shafts having oppositely rotating cooperating

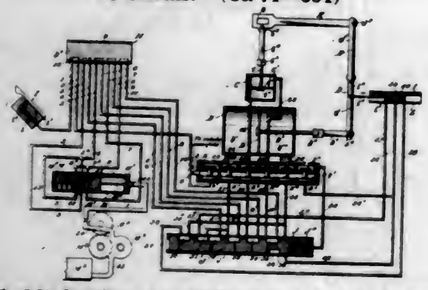
bearing parts, a lubricating system comprising a source of lubricant, means including a supply passage for conducting the lubricant to the bearing parts between said propeller shafts, means rotating with one of said shafts wherein the lubricant after passing through the bearing parts is collected in the form of an annulus centrifugally produced as a result of such rotation, means for tapping the lubricant from said annulus, and a return passage through which the lubricant is returned to the source; the means for tapping the lubricant including a projecting nozzle arranged to rotate in a direction opposite to the annulus rotation and communicating with the return passageway.

2,190,255
DELIVERY VALVE
Aniceto Carrillo, Mexico, D. F., Mexico
Application June 23, 1939, Serial No. 280,887
In Mexico January 7, 1939
2 Claims. (Cl. 251—10)



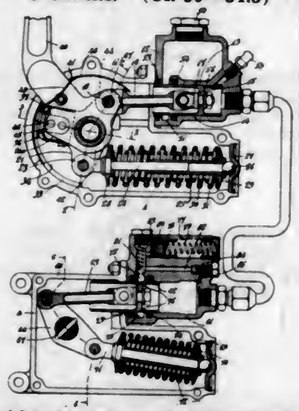
1. A valve structure comprising a casing having an inlet and an outlet opening, a valve pivoted in the casing normally closing the outlet opening, the valve having an extension at its outer end, a curved cover plate pivoted in the casing and extending toward the valve and located below and spaced from the inlet opening, the free end of the cover plate being supported when the valve is closed on the extension of the valve, and a handle for manually operating the valve, the extension on the end of the valve following the contour of the curved cover plate when opening said valve, said cover plate overlying said valve when the latter is in wide open position, the pressure of the discharging fluid on the cover plate rocking the latter on its pivot when said valve opens.

2,190,256
AUTOMATIC GEAR SHIFTING MECHANISM
Tolbert F. Cheek, New York, and Louis G. Collyer, Congers, N. Y., assignors to Welte-Mignon Piano Corporation, Inc., Brooklyn, N. Y., a corporation of New York
Application April 9, 1935, Serial No. 15,474
23 Claims. (Cl. 74—334)



1. Mechanism for shifting the gears of automotive vehicles, comprising a power applying means and means to operate said power applying means to shift the gears at predetermined times in relation to their speeds of rotation, including a master control means, pneumatically operated valves under control of the master control means and operable thereby and prior to the operation of the power applying means to initiate the respective shifting operations and control connections between said master control means and the power applying means, said connections including a member which is automatically adjusted under control of the speed of the vehicle and in turn controls the operations of the power applying means selectively in effecting the various shifts.

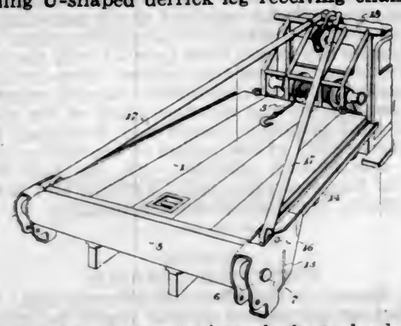
2,190,257
LIQUID PRESSURE REMOTE CONTROL SYSTEM
Edward Claude Shakespeare Clench, London, England, assignor to Automotive Products Company Limited, London, England
Application March 3, 1938, Serial No. 193,790
In Great Britain March 20, 1937
8 Claims. (Cl. 60—54.5)



1. A liquid pressure remote control system comprising a transmitter cylinder and piston, a motor cylinder and piston, a spring urging said motor piston towards its fully advanced position, a single pipe line connecting the transmitter cylinder with the motor cylinder, a rocking member connected with the transmitter piston, angularly movable actuating means connected operatively with the rocking member by a lost motion connection, and locking means for preventing movement of the transmitter piston, except under the influence of the actuating means, said locking means comprising a pair of converging surfaces, one upon the rocking member and one fixed in relation to the transmitter cylinder, said fixed surface being concentric with the axis upon which the rocking member moves, a wedging member arranged to jam between said surfaces, resilient means urging said wedging member towards its jammed position, and means to disengage the wedging member from the surfaces during the movement required to take up the lost motion between the actuating member and the rocking member.

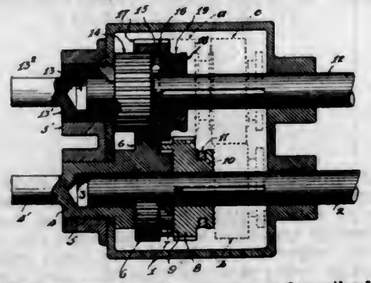
2,190,258
TRUCK BODY ATTACHMENT
Vincent L. Colorigh, Tulsa, Okla.
Application August 29, 1938, Serial No. 227,396
2 Claims. (Cl. 214—84)

1. The combination with opposite sides of a platform type of truck body, of a combined roller and derrick leg supporting means, said means comprising brackets at opposite sides of the platform body, the rear ends of said brackets extending beyond the rear end of the body, a roller supported in bearings of the rear ends of the brackets, said brackets having forwardly extending U-shaped derrick leg receiving channels



to the sides of the platform body and adapted to receive derrick legs and support the same from the sides of the body and means for attaching derrick legs within the channeled members adjacent the rear ends of the channeled members.

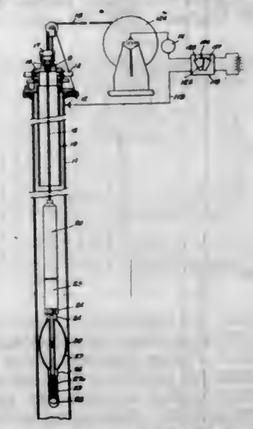
2,190,259
GEARING
John M. Custenborder, Mackinaw, Ill., assignor to Samuel E. Baughman, Broadwell, Ill.
Application June 6, 1938, Serial No. 212,076
7 Claims. (Cl. 74—389)



1. Mechanism for the purpose described having a plurality of three outlet elements for delivering power, each for driving a separate mechanism, the same including, in combination, a power shaft, a gear having its axis of rotation coincident with that of said shaft and including therewith one of said outlet elements, a second gear splined on said shaft, the two gears having provision for clutching each other in driving relation, a driven shaft constituting one of said outlet elements, a clutch part on said driven shaft, the latter being free to rotate with respect to said clutch part, the latter constituting another outlet element, and a gear splined on said driven shaft adapted to be meshed with either gear of the driving shaft and having a clutch part to engage the clutch part on the driven shaft having said outlet element.

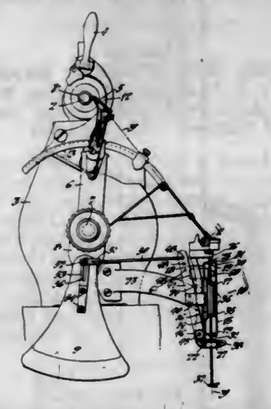
2,190,260
APPARATUS FOR DETERMINING PRESSURE AND TEMPERATURE IN A WELL
George H. Ennis, Long Beach, Calif., assignor of one-half to Robert V. Funk, Long Beach, Calif.
Continuation of application Serial No. 736,892, July 25, 1934. This application January 21, 1936, Serial No. 60,143
3 Claims. (Cl. 73—345)

2. In an apparatus for determining, at the surface of the ground, phenomena which exist in a bore hole, the combination of: an electric circuit, a part of which extends into said bore hole; circuit breaking means operable to break said circuit; indicating means in said circuit; and apparatus adapted to be lowered into said bore hole to depths where said determination is to be made, said apparatus including pressure responsive



means, temperature responsive means, and switch means actuated by the successive opening and closing of said circuit, for first connecting said pressure responsive means to said circuit, and then said temperature responsive means to said circuit, and also for closing said circuit at its lower end with said pressure and temperature responsive means disconnected from said circuit.

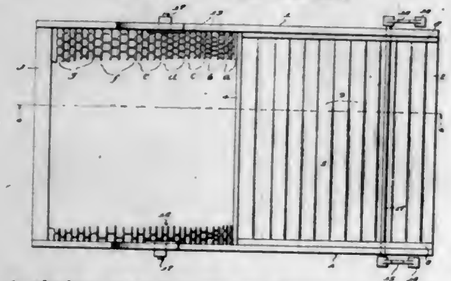
2,190,261
TENSION DEVICE
Edward B. Feaster, Cranston, R. I., assignor to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application December 15, 1937, Serial No. 180,021
12 Claims. (Cl. 242—45)



1. In a tension device, the combination of a magnetic-responsive tension-element movable to adapt it to bear against a feeding strand to apply resistance to its draft, a magnet mounted adjacent said magnetic-responsive element for attracting it to cause it to bear against the strand, and means for adjusting the position of said magnet with respect to the magnetic-responsive

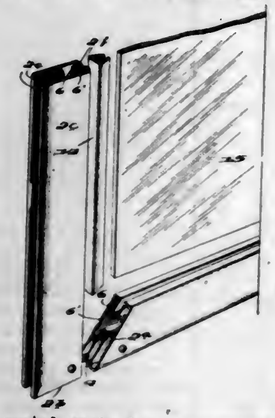
element to vary the effect of said magnet on said element whereby to vary the tension applied to the feeding strand.

2,190,262
SHAKER PAN
Adolf Geist, Hazen, N. Dak.
Application March 17, 1939, Serial No. 262,530
1 Claim. (Cl. 130—24)



A shaker pan for use in threshing machines comprising a rectangular frame having a bottom, hangers on said frame for mounting the same in said machine for endwise oscillation therein, said bottom comprising a plate-like section provided with transversely extending closely spaced series of rows of rectangular elongated apertures therein, long and narrow in some rows and wider in other rows and all of sufficient length to permit the passage of the heads of the grain therethrough, said apertures being disposed lengthwise transversely of the frame in rows in some series and longitudinally of the frame in rows in other series to permit the heads lying crosswise and lengthwise of the section to pass therethrough, said rows being arranged to provide multiple row zones or series having apertures therein staggered in the adjacent rows thereof, increasing in width in successive zones through a plurality of zones from a point adjacent the front of the screen to a maximum in one zone, and decreasing in width toward the rear of the screen in successive zones from said zone of maximum size to facilitate separation of the chaff and straw.

2,190,263
DOOR AND WINDOW SASH
Harry A. Gerland, Baltimore, Md.
Application January 3, 1939, Serial No. 249,089
5 Claims. (Cl. 189—76)



1. In a metal sash frame comprising a plurality of sections, each section being formed from a single sheet of sheet metal, said sections being of hollow rectangular cross-sectional form, a narrow recess in one of the narrow edges of the said frame section extending inwardly to a point substantially one-half the distance of the longer side of the said rectangular sections and having its two longer sides parallel with the sides of the frame having the greatest cross-sectional dimension, the corresponding narrow edges of the sections having the free edges of the metal sheet bent inwardly toward and terminating in close proximity of the bottom of the said recesses and substantially parallel with the said sides thereof for receiving a panel element and means for joining the ends of said sections.

2,190,264
UMBRELLA CARRIER
Simon I. Goldstein, Baltimore, Md.
Application September 30, 1939, Serial No. 297,354
2 Claims. (Cl. 135—33)

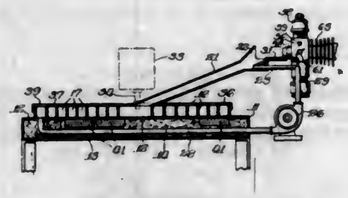


1. An umbrella carrier comprising a body portion consisting of two relatively long tapering panels of thin flexible fabric arranged face to face, flexible bindings extending along the upper and lower edges of said panels, the lower edges of said panels being stitched together, and the upper edges of said panels inclining oppositely from one lateral edge of the carrier to the other lateral edge and a binding extending along the lateral edges of said carrier from its lower to its upper end, the central portion of said binder forming a looped handle beyond the upper end of the carrier body.

2,190,265
SPINNING ARTIFICIAL THREADS
Emil Hubert, Dessau in Anhalt, Heinrich Pabst, Dormagen, near Cologne, and Hermann Hecht, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 2, 1937, Serial No. 118,916. In Germany October 19, 1931
15 Claims. (Cl. 18—54)

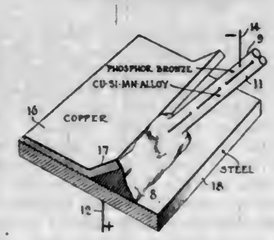
1. A process of spinning artificial threads which comprises squirting a solution of artificial resin comprising a polymeric vinyl compound through a nozzle into a precipitating bath, guiding the threads through the precipitating bath on a length of at least 1 meter and stretching the threads after they have left the spinning bath while in a plastic condition to at least 2½ times the length which the threads would have in case no stretch were applied.

2,190,266
APPARATUS FOR TREATING RUBBER
William W. Knight, Cicero, Ill., assignor to Roth Rubber Company, Cicero, Ill., a corporation of Illinois
Application April 11, 1936, Serial No. 73,822
9 Claims. (Cl. 18—6)



1. Apparatus for continuous vulcanization of rubber including a trough open along its length, and means for heating a liquid and flowing it through said trough, to carry said rubber therethrough and to heat it to the vulcanizing temperature, said trough being arranged in a spiral path having a plurality of adjacent convolutions.

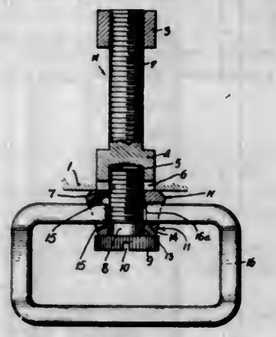
2,190,267
METHOD OF MAKING A WELDED JOINT
Albert T. Light, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application March 9, 1938, Serial No. 194,918
2 Claims. (Cl. 113—112)



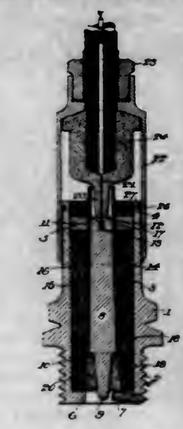
1. The method of producing a gas-tight union between abutting steel and copper members which consists in bringing an alloy welding rod having an approximate composition of 96% copper, 3% silicon and 1% manganese into operative relation with the steel member, bringing an alloy welding rod having an approximate composition of 89.2% copper, 0.30% phosphorus and 10.5% tin into operative relation with the copper member, applying heat to the alloys and the members in the region where the weld is to be formed until each alloy fuses and forms a film on its particular member, and then causing the alloys to flow together and form a substantially homogeneous weld between the two members.

2,190,268
SWIVEL DEVICE
Philip Magid, Brooklyn, N. Y.
Application April 27, 1939, Serial No. 270,376
7 Claims. (Cl. 59—95)

3. A swivel device of the character described comprising a socket element and a swivel element releasably connected to each other, said swivel element comprising a bushing member, a cap screw and a loop, said bushing having a vertical and horizontal bore formed therein, said bores intersecting each other, one of said horizontal bores having at least one of its faces inclined to a horizontal plane.



2,190,269
SPARK PLUG AND METHOD OF MAKING THE SAME
George Marglin, Port Washington, N. Y., assignor, by direct and mesne assignments, to Aeroflex Laboratories, Incorporated, Long Island City, N. Y., a corporation of New York
Application December 7, 1937, Serial No. 178,461
11 Claims. (Cl. 123—169)

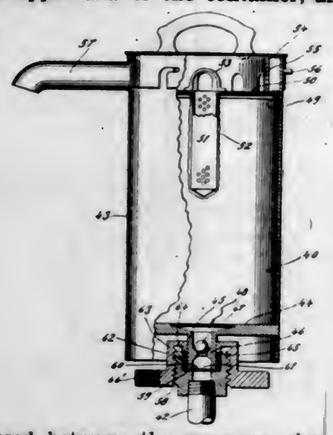


1. A spark plug comprising, a metal shell having a longitudinal bore interiorly screw threaded at its upper end, a relatively longitudinally yieldable cylindrical insulator fitted snugly within said bore and provided with a firing cavity, means screw threaded in the bore below the top of the shell and engaging the insulator for securing it in the bore and a longitudinally tapered electrode driven in said insulator and forming a gas tight joint therebetween.

2,190,270
COFFEE-MAKING DEVICE
Ambrose A. Peters, Milwaukee, Wis.
Application March 7, 1938, Serial No. 194,405
3 Claims. (Cl. 53—3)

1. In a device for making coffee, a boiler, means for introducing water into the boiler, means for heating the water in the boiler, a pressure pipe leading from said boiler, a container for ground coffee having communication at its lower end

with the pressure pipe, a delivery nozzle carried by the upper end of the container, and a disc



interposed between the pressure pipe and the container having a small delivering orifice.

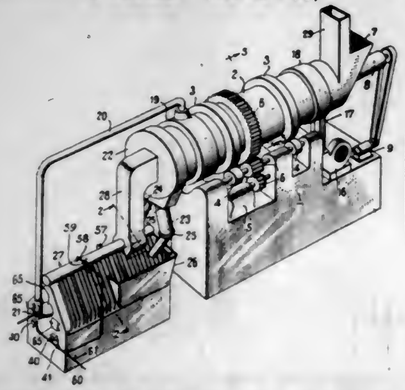
2,190,271

METHOD AND APPARATUS FOR MELTING ROCK AND MAKING PRODUCTS THEREFROM

Edward R. Powell, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application January 21, 1937, Serial No. 121,585

6 Claims. (Cl. 49—53)



1. An apparatus for melting rock including calcining means, heating means providing a melting flame, a stationary reservoir in which material is melted by said heating means, means for transferring material from the calcining means to the reservoir while retaining the sensible heat of the material, means for discharging molten material from said reservoir in stream form, means for collecting exhaust gases from said heating means and conveying the same to said calcining means, and water-cooling means for reducing the temperature of said gases below the melting point of the material before said gases enter the calcining means.

4. A process for melting material which comprises agitating raw material in crushed form, depositing said material after agitation in the form of a bank adjacent a heated area to permit the material to fuse away from said bank and form a pool in the heated area, withdrawing molten material in stream form from said pool at a definite minimum distance from the nearest portion of said bank, projecting a flame from a location adjacent the place of withdrawal of the molten material over the surface of said pool to maintain the pool molten and provide the heated area and in a direction to mechanically sweep unmelted material away from the withdrawal area, and directing the exhaust gases through the raw material while the same is being agitated to produce heat treatment thereof.

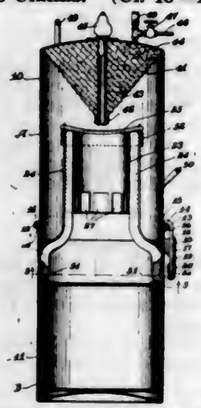
2,190,272

AUTOMATIC ACETYLENE GAS GENERATOR

Rolland C. Sabins, White Bear Lake, Minn.

Application September 12, 1935, Serial No. 40,258

13 Claims. (Cl. 48—19)



1. An acetylene generator including a container having walls, and a liquid and gas tight flexible joint comprising a stationary nipple secured to a container wall, a movable member extending through said nipple to the inside of the container, a flexible hose-like sealing member, clamping means to secure said sealing member to said nipple on one end, and clamping means for securing said flexible member to the movable member extending through said nipple into the container to provide a sealing joint for said movable member providing a liquid and gas tight connection between the wall of the container and the movable member.

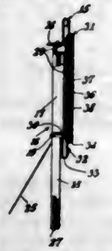
2,190,273

WOMAN'S COMPANION

Samuel Shapiro, New York, N. Y.

Application August 7, 1939, Serial No. 288,708

3 Claims. (Cl. 40—152)



1. An article of manufacture, comprising a frame having a display opening; a utility unit having at one end a lateral enlargement, said enlargement of smaller size than said display opening; a subsidiary frame part for backing said opening; means partially including said enlargement and partially carried by said subsidiary frame part for mounting said unit on the frame; and a substantially flat and flexible object of greater size than said display opening and disposed between the utility unit and the subsidiary frame part.

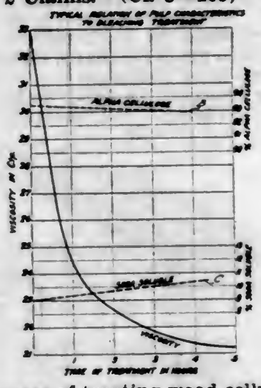
2,190,274

METHOD OF BLEACHING CELLULOSE

Lyle Melvin Sheldon, East Alton, Ill., assignor to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware

Application November 28, 1936, Serial No. 113,115

2 Claims. (Cl. 8—105)



1. The process of treating wood cellulose to attain a predetermined color and viscosity comprising providing a sulphite wood pulp having a bleachability less than 5% and a viscosity not more than 40 centipoises above the viscosity of the pulp after bleaching, treating said pulp with a hypochlorite bleach solution at a pH greater than 7 and at a concentration of the bleach solution substantially in excess of that normally required to give the final color attained in the bleached pulp, continuing said treatment to bleach the pulp and reduce its viscosity not more than 40 centipoises at a rate of viscosity reduction which is first substantially constant and then decreases toward a substantially constant lower value, and terminating said bleach by washing the pulp free of treating reagents before the substantially constant lower rate of viscosity reduction is reached and before exhaustion of the bleach and without substantial degradation of the pulp.

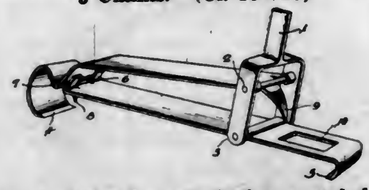
2,190,275

CAN PUNCTURING DEVICE

Bernard Simunich, Chicago, Ill.

Application April 21, 1938, Serial No. 203,377

3 Claims. (Cl. 30—16)



1. In a device for puncturing a sealed can at two diametrically opposed points on the top thereof, a pair of opposed side clamps, an arm extending laterally from each of said clamps, a prong extending downwardly from each of said arms adjacent their free ends, a lever pivoted to each of said arms at spaced apart points thereon, and cooperable cam means extending from each of and between said arms, the said lever being adapted to draw said clamps toward each other and to simultaneously cause said cam means to co-act and to depress one of said prongs, and to thereafter by continued leverage action successively depress the second prong.

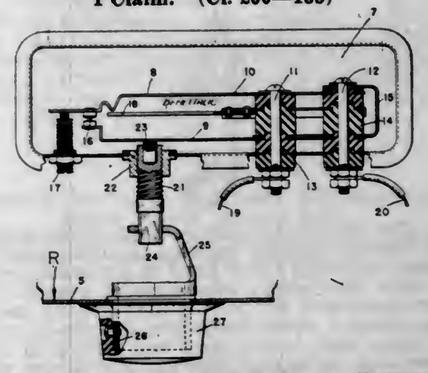
2,190,276

TEMPERATURE CONTROL FOR ELECTRIC COOKING DEVICES

Alva T. Smith, Milwaukee, Wis., assignor to National Enameling and Stamping Company, Milwaukee, Wis.

Application September 7, 1937, Serial No. 162,730

1 Claim. (Cl. 200—138)



In an electric heating device, a thermostat control therefor including a pair of resilient fingers having contact points, a casing for said fingers, a nut rotatably carried by the casing and held against longitudinal movement, an adjusting screw fitted in the nut movable toward and away from one of the fingers for adjusting the finger relative to the other, an actuating knob located exteriorly of the casing for rotating the screw, said knob having a slidable connection with the screw, a radially extending operating lever connected with the nut projecting a considerable distance beyond the casing, whereby the lever can be grasped by the fingers of an operator for turning the nut on the casing whereby primary adjustment of the screw can be had without turning or disturbing the position of the knob, and means for holding the lever and, consequently, the nut in an adjusted position against movement.

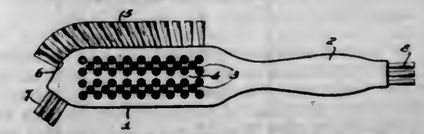
2,190,277

DENTAL BRUSH

Stephen Viragh, Forest Hills, Pa.

Application April 10, 1937, Serial No. 136,123

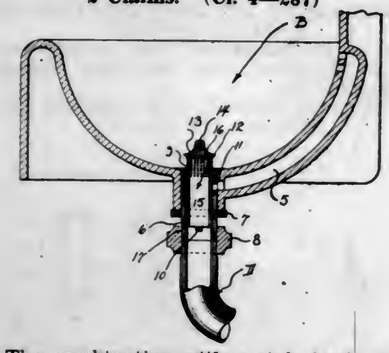
6 Claims. (Cl. 15—167)



1. A tooth brush consisting of a bristle block having a handle integral therewith and projecting axially therefrom, a substantial bristle section on the lower face of said block presenting an exposed surface parallel with the longitudinal axis of the block and being divided into two laterally-spaced parts by a fully-visible centrally disposed longitudinally extending opening adapted

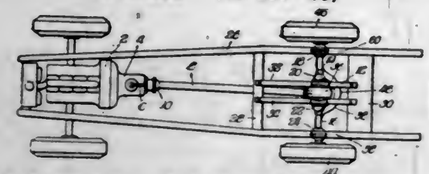
to receive the teeth to be brushed, and another section of bristles in said block presenting a curved exposed surface.

2,190,278
COMBINATION DRAIN AND PLUG
Arthur C. Wiedoff, Milwaukee, Wis.
Application August 27, 1938, Serial No. 227,119
2 Claims. (Cl. 4—287)



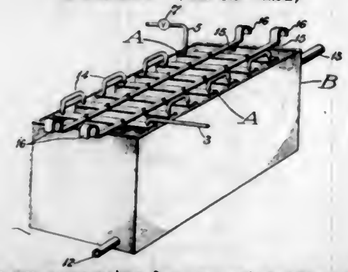
1. The combination with a sink, basin, or the like, having a drain opening, a drain pipe, a flanged, threaded sleeve fitted in the drain opening with the flanged edge disposed around the drain opening, a nut holding the threaded sleeve in position, a union connecting the sleeve with the drain pipe, and a cross bar carried by the sleeve and extending diametrically across the same, of a plug for the sleeve including a solid body having a beveled peripheral edge for fitting against the inner surface of the flanged sleeve, a depending cylindrical member carried by the body and snugly fitted within the sleeve, said member having a plurality of minute perforations therein adjacent to the body, and slots in its lower edge, the slots receiving the cross bar when the plug is in one position for permitting the lower end of the plug of the body to rest on the sleeve and said cross bar holding the plug in elevated position when the lower edge of the plug rests upon the cross bar.

2,190,279
AUTOMOTIVE VEHICLE CONSTRUCTION
John Zimka and Frank Miller, Chicago, Ill.
Application December 24, 1938, Serial No. 247,657
2 Claims. (Cl. 180—73)



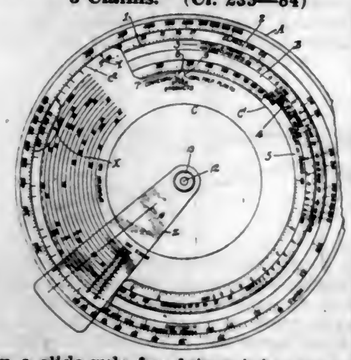
1. In an automotive wheeled vehicle construction, the combination of, a vehicle frame, a differential gearing including a casing mounted on the frame at the rear of said vehicle, means solidly associating the top of said differential casing with said frame, wheels in the rear of said vehicle, mountings for said wheels, a rigid axle independent of the differential and rigidly connected with the mountings for said wheels, said axle extending transversely between said wheels below a line joining their centers and having a laterally extending offset near its central portion adapted to permit the differential casing to move up and down therein, longitudinally extending leaf springs attached to the frame at opposite sides independently of the differential casing and attached intermediate their ends to the lower face of said rigid axle at points substantially in the transverse vertical plane passing through the wheel axis, drive axles between the differential and said wheels, and a universal joint between each of said drive axles and said differential and between each of said drive axles and its associated wheel.

2,190,280
RECOVERY OF GLAUBER'S SALT
Thomas F. Banigan, Kenmore, and Omar E. Snyder, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 11, 1938, Serial No. 189,948
7 Claims. (Cl. 62—124)



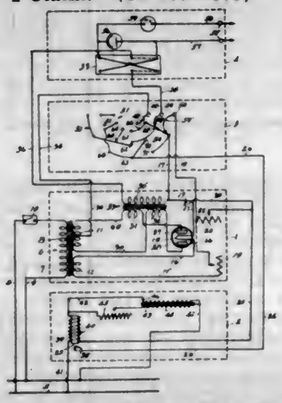
3. In an apparatus for removing Glauber's salt from concentrated solutions thereof, an enclosure including yieldable planar walls and an inlet and an outlet located in the top thereof through which a liquid temperature controlling medium may be passed, means for holding said enclosure suspended in the concentrated solution of the said salt, said inlet and outlet being so arranged as not to interfere with the removal of the enclosure from the said solution, and means in said outlet for suddenly stopping the flow of said temperature controlling medium whereby to build up a pressure in said enclosure and cause said planar walls to yield sufficiently to bring about separation therefrom of any Glauber's salt which has crystallized thereon.

2,190,281
SLIDE RULE
Christian P. Berg, Chicago, Ill.
Application August 8, 1935, Serial No. 35,277
3 Claims. (Cl. 235—84)



1. In a slide rule for determining manufacturing costs, a plurality of relatively movable members each having scales thereon, the scale of one of said members being divided into a group of calibrations indicating the class of work being figured and a group of calibrations indicating price, said groups being in end to end relationship, another of said relatively movable members having its edge lying adjacent the edge of the class and price scale on the first member and having thereon two scales lying adjacent each other and the class indicating scale and cooperating therewith, one of said scales being calibrated for work in an even numbered class and the other being calibrated for an odd numbered class, said two scales progressing in the same direction and being offset with respect to each other, and a single indicating pointer positioned on the edge of said other member and cooperating with the price scale on the first member so as to indicate price thereon when the members are moved relative to each other so that a graduation for a known factor on the scale of the second member in either an odd or an even numbered class registers with its proper class calibration on the first member.

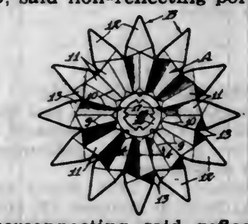
2,190,282
THERAPEUTIC MACHINE
William Browner, San Francisco, Calif., assignor of one-half to Wayne Limberg, Bakersfield, Calif., and one-half to Frank W. Epperson, Oakland, Calif.
Application February 19, 1937, Serial No. 126,634
1 Claim. (Cl. 175—373)



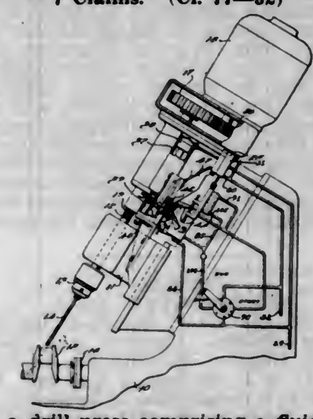
In a therapeutic machine, a transformer having a primary and two secondary coils, means for connecting the primary to a source of alternating current, a rectifying tube having a filament and two plates, means for connecting one of the secondary coils to the filament including a flasher relay circuit for periodically opening and closing the filament circuit, means for connecting opposite ends of the other secondary coil to the two plates, means for connecting an intermediate tap of the second secondary coil to the filament and a second transformer including two primaries arranged in the plate connections and an output secondary.

2,190,283
CHRISTMAS TREE REFLECTOR
Fred W. Eckelberg, Minneapolis, Minn.
Application January 14, 1938, Serial No. 184,995
3 Claims. (Cl. 240—103)

1. A decorative light reflector comprising a relatively highly reflective dish-shaped element having an aperture therein adapted to receive a base of a lamp, said reflector having portions thereof shaped to intercept and reflect rays from said lamp, and other portions of said reflector being bent to non-reflecting positions relative to said lamp, said non-reflecting portions mechanically interconnecting said reflecting portions, said reflecting portions and said non-reflecting portions being so related as to give the appearance of reflecting portions visually separated by a definite line of demarcation provided by the non-reflecting portions.



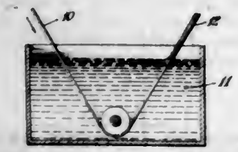
2,190,284
DRILL MACHINE CONTROL APPARATUS
Edgar Foshie, Detroit, Mich.
Application October 7, 1938, Serial No. 233,705
7 Claims. (Cl. 77—32)



1. In a drill press comprising a fluid pressure system for advancing a drill toward and retracting the same from a piece of work including variable valve mechanism; control apparatus for said valve mechanism including a block movable in unison with said drill and having a series of fixed stops thereon, a bar shiftably mounted on said block having a series of stops movable therewith, a carriage shiftably mounted on said block having a pair of pawls, one engageable with said fixed series of stops and the other engageable with said movable series of stops, resilient means normally holding one of said pawls in engagement with said fixed stops for causing movement of said carriage and block in unison during initial movement of said drill toward a piece of work, means including a member responsive to movement of said carriage and engageable with said latter pawl for disengaging the same from said fixed stops and engaging the other pawl with said movable stops to accommodate resetting movement of said carriage relative to said block during drilling of said work, said member being operatively connected with and adapted to maintain said valve mechanism in a drilling speed setting during said drilling step, and means responsive to drilling movement during the final

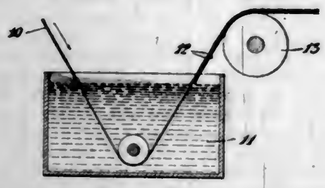
increment of said drilling step for moving said member out of engagement with said carriage to accommodate re-engagement of one of said pawls with said fixed stops at a new position and for setting said valve mechanism to return said drill and block to their initial positions for performing another similar cycle.

2,190,285
ELECTROLYTIC CELL
Geoffrey Charles Gaut, Romford, and David John Pritchard Phillips, Croydon, England, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application February 28, 1938, Serial No. 193,191
In Great Britain October 19, 1937
4 Claims. (Cl. 175—315)



1. A film-maintaining spacer for dry electrolytic condensers comprising a non-tacky, non-homogeneous, porous matrix of cellulose derivative selected from the group consisting of cellulose acetate, ethyl cellulose and cellulose aceto-butyrate, and an ionogen and a high boiling liquid intimately embodied therein, said ionogen being at least one of the materials selected from the group consisting of acids used in the formation of conductive compositions for electrolytic condensers and the stable salts thereof, and said high boiling liquid being selected from the group consisting of glycerine and the glycols.

2,190,286
ELECTROLYTIC CELL
Geoffrey Charles Gaut, Romford, David John Pritchard Phillips, Croydon, and Benjamin Frederick Huggins, Barkingside, England, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application February 28, 1938, Serial No. 193,192
In Great Britain October 19, 1937
4 Claims. (Cl. 175—315)

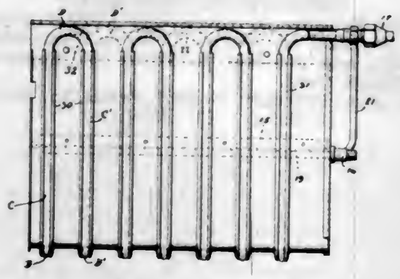


1. A film-maintaining spacer for dry electrolytic condensers comprising a paper base, a porous, non-tacky cellulose derivative selected from the group consisting of cellulose acetate, ethyl cellulose and cellulose aceto-butyrate embodied therein and thereon, and an ionogen and a high boiling liquid intimately embodied in the cellulose derivative, said ionogen being at least one of the materials selected from the group consisting of acids used in the formation of conductive compositions for electrolytic condensers and the stable salts thereof, and said high boiling liquid being selected from the group consisting of glycerine and the glycols.

2,190,287
PRESERVATION OF RUBBER HYDROCHLORIDE
Albert Hershberger, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1939, Serial No. 276,803
4 Claims. (Cl. 23—244)

1. A package consisting of rubber hydrochloride of 27% to 31.5% chlorine content immersed in water and a container therefor.

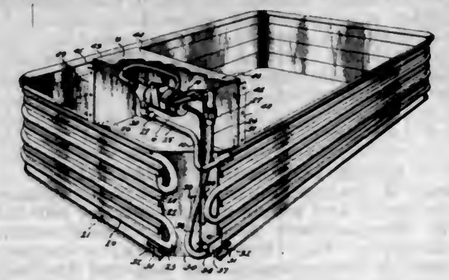
2,190,288
REFRIGERATOR EVAPORATOR
William W. Higham, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan
Application April 5, 1938, Serial No. 200,173
7 Claims. (Cl. 62—126)



7. An evaporator for a refrigerator comprising, an extruded sheet of metal of relatively great length in the direction of extrusion and having a width measured transversely of the direction of extrusion which is substantially equal to one dimension of the evaporator and which is relatively narrow as compared to the length of the sheet, said sheet having projecting formations thereon running lengthwise of the sheet and substantially in parallel relationship with the formations spaced from each other transversely of the sheet, tubing for refrigerant disposed in windings on the sheet with the runs of the windings held in assembly with the sheet by the projections, said sheet and the windings of tubing thereon being fashioned into an evaporator body with the sheet forming a plurality of walls of the evaporator and said evaporator having one dimension substantially equal to the width of the sheet.

2,190,289
REFRIGERATING APPARATUS
William W. Higham, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan
Application June 29, 1938, Serial No. 216,457
12 Claims. (Cl. 62—99)

10. In a refrigerator for bottled goods or the like having a cabinet, an evaporator body formed from a tube having lengthwise extending flange means thereon, said tube being fashioned into a coil having a plurality of superposed runs, said evaporator body being fashioned to substantially fit into the cabinet with the runs of the coil extending along and in proximity to the walls of the cabinet, the flange means of the runs forming

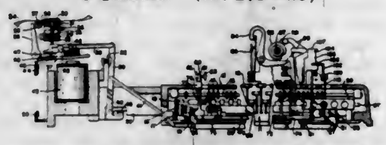


a substantially solid wall-defining area for the reception of goods to be refrigerated.

2,190,290
PROCESS FOR PREPARING ALLOYS OF CALCIUM WITH ALUMINUM
Gustaf Newton Kirsebom, Westbury-on-Trym, Bristol, England, assignor to Calloy Limited, London, England, a joint-stock company of England
No Drawing. Application February 9, 1938, Serial No. 189,592. In Great Britain February 11, 1937
1 Claim. (Cl. 75—135)

A process for preparing alloys of calcium with aluminum, which comprises heating lime in a bath of molten aluminum below the surface of the latter wherein the temperature of the bath is maintained between 1500 and 1600° C. and calcium aluminate is allowed to collect below the molten bath of calcium-aluminum alloy formed.

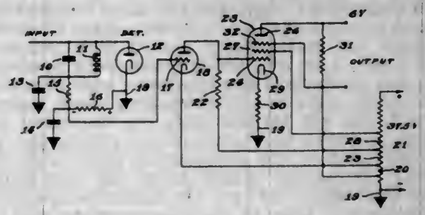
2,190,291
KEYBOARD PERFORATOR TRANSMITTER
Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 4, 1937, Serial No. 167,139
6 Claims. (Cl. 178—25)



1. In a telegraph unit, a selector mechanism, operating elements therefor, a counter for recording the number of operations of said selector mechanism including a stepping magnet responsive to the operation of the selector mechanism and a release magnet operative to restore said counter, and cam means controlled by said elements for controlling said magnets.

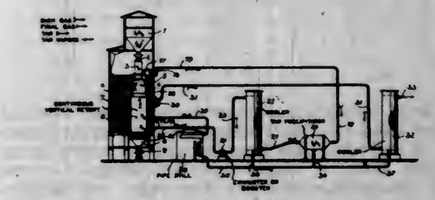
2,190,292
INTERFERENCE REDUCTION SYSTEM
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,142
8 Claims. (Cl. 250—20)

1. In an interference reduction system wherein modulated carrier impulses are applied to a channel including a detector coupled through an amplifier to the control grid of a limiter provided with a cathode, a cathode lead resistor, an anode and a screen grid, the method of operation which comprises reducing the output of said limiter to a lever corresponding to normal



zero modulation level during periods of excessive input, interrupting the output of said amplifier, and maintaining said limiter output at said level.

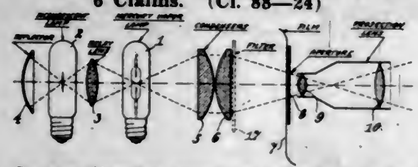
2,190,293
PROCESS FOR THE PRODUCTION OF COMBUSTIBLE GASES FROM BITUMINOUS FUELS
Walter Malkomes, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application November 11, 1936, Serial No. 110,211
In Germany November 12, 1935
4 Claims. (Cl. 202—16)



1. In a process for the production of gas of a predetermined ratio of H to CO, and coke in a method comprising, continuously descending coking mass of bituminous fuel in a vertical retort chamber with continuous supply of fuel to be coked at the upper part of the retort mass and with continuous discharge of finished high temperature coke at the bottom of the retort mass; subjecting the fuel in the upper part of the continuously descending mass to externally applied heating laterally inwardly of the mass to initially distill the freshly supplied fuel, and concurrently subjecting the lower portion of the mass to externally applied heating laterally inwardly of the mass to subsequently complete the carbonization of the initially distilled fuel to complete the formation of high temperature coke therefrom: the steps of effecting the external heating of the upper and lower portions by separately controlled heating; controlling the heating of the upper part of the mass so as to expel therefrom only low temperature distillation gas at a temperature of the order of about 350° C., and controlling the heating of the lower part of the mass so as to progressively raise the temperature of the mass in the lower part thereof from about 350° C., at the juncture of the upper part, to about 950° C. at the bottom of the lower part and thereby expel from the fuel in the lower part, gas of high temperature coking up to the order of about 950° C.; drawing off the low temperature gas from the upper part of the mass at the upper part thereof; de-tarring the gas, and adjusting the steam content of the so withdrawn low temperature gas to the amount predetermined as critical to pro-

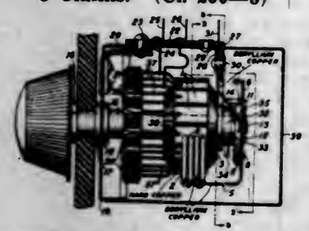
duce the predetermined ratio of H to CO on the final gas from the high temperature zone, and then introducing the de-tarred and steam adjusted low temperature coking gas at the lower part of the descending mass of highly heated coke undergoing completion of high temperature coking for flow of the re-introduced gas upwardly through the more highly heated high temperature coke; and withdrawing the high temperature gas produced from the lower high temperature coking part of the descending mass, together with the gas formed from the de-tarred and steam adjusted low temperature coking gas reintroduced into the descending mass from the initial distillation stage, from the descending mass at a region between the higher temperature carbonization zone in the lower portion and the lower temperature carbonization zone in the upper portion of the descending mass.

2,190,294
LIGHT SOURCE FOR PROJECTION SYSTEMS
Gjon Mili, Upper Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 6, 1937, Serial No. 173,133
6 Claims. (Cl. 88—24)



1. In a projection system particularly adapted for use with colored motion pictures, in combination, a reflector, an incandescent electric lamp, a relay lens, a high-intensity mercury vapor lamp, condenser lenses, a film gate, and projection lenses, all in axial alignment and air spaced apart, whereby the image of the filament of said incandescent lamp is focused by the relay lens in the discharge path of the mercury lamp, and the said image and the radiation from the discharge of the mercury lamp are focused to a point beyond the film gate by means of a beam of light from each of said lamps.

2,190,295
SWITCHING DEVICE
Robert A. Miller, Plainfield, and Harry C. Rubly, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1937, Serial No. 169,180
3 Claims. (Cl. 200—8)



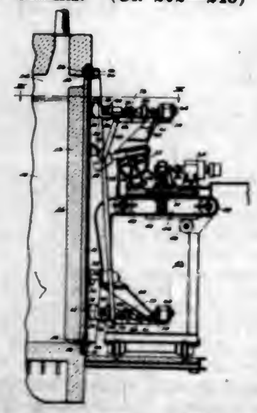
1. In a switching device, in combination, a ring of spaced segmental contacts, a support for said contacts, an arm movable relative to said ring of contacts, a support for said arm, a fingered wiper contact supported on said arm and slightly bowed into tangential engaging position relative to said segmental contacts and having only a central portion presented into engaging position relative to said segmental contacts and said segmental contacts, said arm and said wiper contact being made of metal of the same general kind to minimize the development of electro-thermocouple effects in the parts.

2,190,296
GUIDE FOR MOLTEN MATERIAL
Henry K. Richardson, Bloomfield, N. J., assignor, by direct and mesne assignments, of one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania, and one-half to Baker and Co., Inc., Newark, N. J., a corporation of New Jersey
Application August 27, 1938, Serial No. 227,170
21 Claims. (Cl. 49—55)



17. A die for molten material comprising a refractory body having a tubular passage with a normally vertical axis, for the flow of said material, and a one-piece correspondingly shaped member, formed from a sheet of platinum-rhodium alloy, lining said passage, extending from said body and having a flange formed from said sheet and normally engaging a normally horizontal surface on said body for holding said member in said passage.

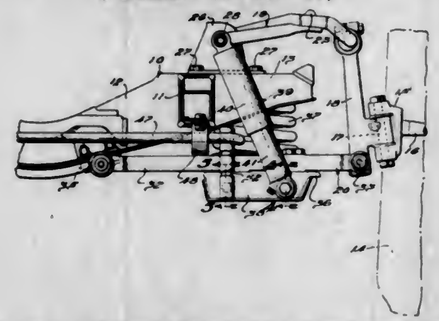
2,190,297
COKE-OVEN DOOR OPERATING MECHANISM
Gustaf Edwin Salkvist, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware
Application March 6, 1937, Serial No. 129,336
20 Claims. (Cl. 202—248)



1. In combination with a coking retort oven having a movable door adapted for support in the mouth of the oven by a latching device comprising, a flexible and resilient member comprising plates coacting together as a spring and disposed both to span said door and to engage means that are independent of the door for arresting said member while under flection, and means for

transmitting clamping-pressure from an extraneous source to at least three points along said flexible and resilient member and of which points two lie on the same side of said member and the third lies on an opposite side thereof substantially intermediately of the others, a clamping mechanism for actuating said flexible and resilient member to latch and unlatch said door, said mechanism comprising: jaw-like parts that are adapted to engage between them both the flexible and resilient member and the means for transmitting clamping-pressure to said member at desired points therealong and in such manner that pressure can be applied to said member from opposite sides thereof simultaneously, and means for altering the distance between the jaw-like parts so as to modify the resilient pressure obtaining in said flexible and resilient member.

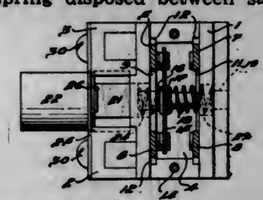
2,190,298
WHEEL SUSPENSION
Frederic W. Slack, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 26, 1936, Serial No. 97,878
Renewed July 28, 1939
6 Claims. (Cl. 267—20)



1. In a motor vehicle having a frame structure, a road wheel disposed at one side of said frame structure, means structurally connecting said wheel and frame structure for supporting and guiding said wheel for independent rising and falling movements, including upper and lower linkages, means yieldingly supporting said frame structure on said supporting and guiding means, said lower linkage comprising a sheet metal member having a side boundary reinforcing flange, a shaft supported by said frame structure adjacent the inner end of said upper linkage for pivotally supporting said upper linkage, and a shock absorber comprising relatively movable parts respectively pivotally connected to said shaft and reinforcing flange.

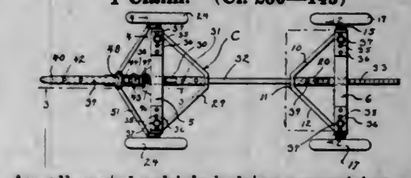
2,190,299
ELECTRIC SWITCH
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 19, 1936, Serial No. 64,627
2 Claims. (Cl. 200—16)

1. An electric switch of the push-button type comprising spaced stationary contacts, a contact plate adapted to bridge said stationary contacts, an element slidably projecting through said plate and having a flange at one end engageable therewith, a spring biasing said flange against said plate and said plate to one operating position, an operating plunger having an abutment engaging said member for movement against said bias, and a second spring disposed between said plunger



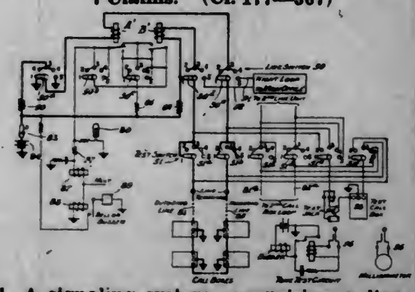
abutment and said contact plate and providing resilient pressure on said plate in a second operating position under the influence of said plunger.

2,190,300
FARM WAGON
Bernard Van Zeeland and Leonard Van Zeeland, Kaukauna, Wis.
Application April 11, 1938, Serial No. 201,366
1 Claim. (Cl. 280—143)



An all-metal vehicle bolster comprising, a body of an inverted U-shape in cross section including spaced parallel depending side walls and a connecting top wall, vertically disposed channel beams secured between the depending side walls and closing the ends of the body, said channel beams constituting axle-supporting members, brace bars formed from channel beams secured to the outer face of one depending side wall of the body, and a guide sleeve securely fastened to the body and brace and connecting said brace to the body.

2,190,301
SIGNALING SYSTEM
Gilbert S. Vernam, Hackensack, N. J., and Ronald S. Wishart, Rockville Centre, N. Y., assignors to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York
Application July 10, 1935, Serial No. 30,630
7 Claims. (Cl. 177—367)



1. A signaling system, comprising a line loop having a first and second terminal, a plurality of call boxes each comprising a signal transmitting device for intermittently interrupting the loop and connecting it to ground connected in said loop, a central office at which said loop is terminated and a source of current at said office having one terminal grounded and the other terminal normally connected to said first loop termi-

nal, said other loop terminal being normally grounded, characterized by means for rendering said system operative during abnormal conditions of said line, such as grounding, open circuit or a combination of both conditions, comprising a first and second relay at said office, switch means at said office having a normal and only three other control positions, each of said three other control positions representing a different one of said abnormal conditions on said loop, a circuit for said first relay from ground to said second terminal of the loop closed in the normal position and from said source to said second terminal of said loop closed in the three other positions of said switch means, a circuit for said second relay from said other terminal of said source of current directly over said first loop terminal, separately closed only in said three other positions of said switch means, whereby said second relay is connected with the loop for effecting signal control only in said three other positions but not in the normal position of said switch means, said first relay being operatively connected with said loop for response to signals in the normal and three other positions of said switch means, front contacts for said relays connected together and back contacts for said relays connected together, relay armature contact means controlled by said first and second relays, a call register, and circuit connections including said contacts and armature contact means adjusted by said switch means for controlling said register by said first relay only in the normal position of said switch means, and independently by either of said relays in said three other positions of said switch means.

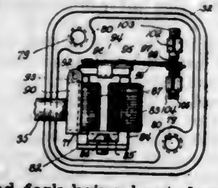
2,190,302
GLASS-METAL SEAL
Ernst Waldschmidt, Berlin-Siemensstadt, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application March 18, 1939, Serial No. 262,708
In Germany March 19, 1938
5 Claims. (Cl. 176—126)



1. A seal comprising a vitreous container, a hollow metal tube having its outer wall sealed in said container, said hollow metal tube projecting within said container and having an air-tight closure at its inner end and a plug of vitreous material within said tube at the location where its outer wall is sealed in said container.

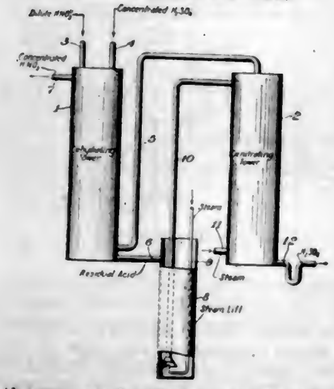
2,190,303
ELECTRIC SWITCH
Clarence Wantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application July 5, 1934, Serial No. 733,722. Divided and this application June 4, 1936, Serial No. 83,481
7 Claims. (Cl. 200—87)

1. A magnetic switch structure comprising a switch housing, a U-shaped frame in said housing, energizing coils mounted on the legs of said frame, an armature pivoted adjacent the end of one of said legs and extending across the top of said frame, a resilient forked extending contact member secured to said armature, a contact at the end of one fork of said member, an insulating pad at the end of the other fork of said member,



said last-named fork being bent downwardly below the plane of the contact-carrying fork, and stop means engaged by said pad for normally holding said contact out of operative position when said coils are unenergized.

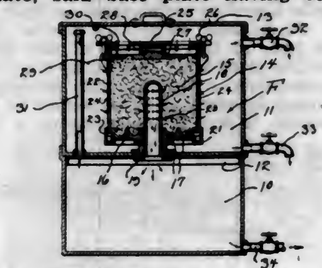
2,190,304
CONCENTRATION OF NITRIC ACID
Frederick C. Zeisberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 3, 1936, Serial No. 83,262
3 Claims. (Cl. 23—160)



2. In the process for the concentration of nitric acid by means of a dehydrating agent, the steps which comprise maintaining the dehydrating zone at substantially the same level as the denitration zone, elevating the residual liquid from the dehydration zone to the upper portion of the denitration zone by means of steam in direct contact with said residual liquid, passing additional steam up through said denitration zone, and returning the steam-containing vapors from the top of said denitration zone to said dehydration zone.

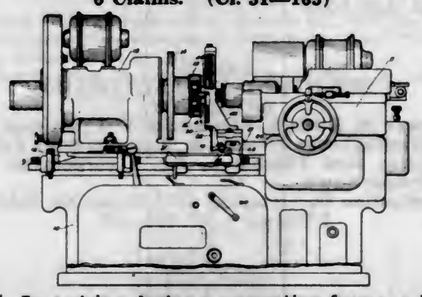
2,190,305
FLUID FILTER
Joseph F. Auberschek, Milwaukee, Wis.
Application December 15, 1938, Serial No. 245,874
1 Claim. (Cl. 210—131)

In a filter, a tank for receiving the liquid to be filtered, a holder disposed in the tank including, a base plate, a perforated side wall connected to the base plate, and a spider carried by the top of the side wall, a perforated filtering tube extending into the holder through the base for connection with the bottom wall of the tank, loose filtering material packed in said holder, a follower in said holder, and means normally urging the follower into engagement with the filtering material, the spider and follower coacting to normally urge the filtering material toward the base plate, said base plate having concentric



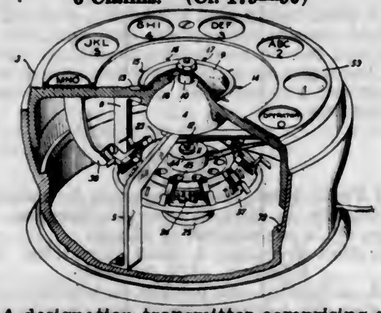
channels around the filtering tube, as and for the purpose specified.

2,190,306
SIZING DEVICE
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application May 3, 1938, Serial No. 205,749
6 Claims. (Cl. 51—165)



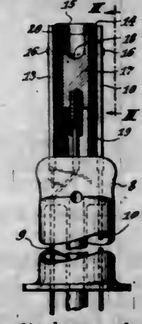
1. In a sizing device a supporting frame, a bar resiliently attached to said frame and having a movement relative thereto, a pair of brackets mounted on said bar, a work engaging feeler on each of said brackets, one of said feelers being resiliently attached to its bracket.

2,190,307
DESIGNATION TRANSMITTER
Henry M. Bascom, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1937, Serial No. 161,750
6 Claims. (Cl. 179—90)



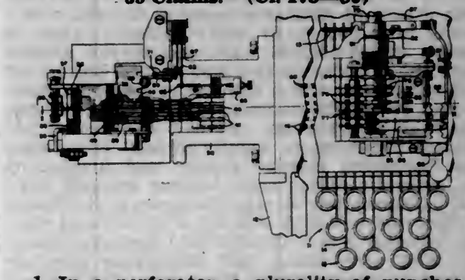
1. A designation transmitter comprising a stationary cup-shaped housing member, a universal bearing secured to said housing member, an inverted cup-shaped operating member mounted on said bearing for universal movement within said housing member, and means actuated by the movement of said operating member for producing currents characterizing designations.

2,190,308
CRATER LAMP AS A SPOTLIGHT
Philip W. Blackburn, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1937, Serial No. 171,216
5 Claims. (Cl. 176—122)



3. An electric discharge device comprising an envelope containing a gaseous mixture comprising at least 95% neon and the remainder argon and nitrogen, said argon and nitrogen being present in a percentage greater than .2%, and cooperating electrodes within said envelope, and an insulator spacing said electrodes approximately 2 millimeters apart and an opening in one of said electrodes.

2,190,309
KEYBOARD PERFORATOR
Charles W. Burcky, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 1, 1937, Serial No. 151,364
35 Claims. (Cl. 178—30)

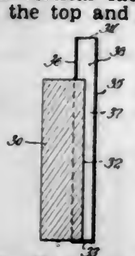


1. In a perforator, a plurality of punches, a corresponding plurality of punch selector bars, means to select said bars in a code signal combination an actuator for actuating said punches, in accordance with the selection of said bars, and means for facilitating, during the actuation of said actuator, the reactuation of said bars according to a succeeding code signal.

2,190,310
METHOD OF CLADDING METAL
Thomas B. Chace, Winnetka, Ill., assignor, by direct and mesne assignments, to Clad Metals Industries, Inc., Chicago, Ill., a corporation of Illinois
Application January 2, 1937, Serial No. 118,812
13 Claims. (Cl. 22—204)

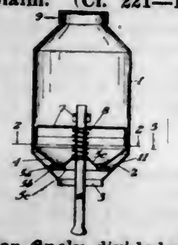
12. Method of facing a steel slab with a coating of cladding metal, which comprises welding a thin steel wall peripherally about three sides of a vertical face of the slab, welding a steel

plate to said thin steel wall to define with the same and said vertical face a vertical mould space open at the top and having a thickness



corresponding to the desired thickness of the coating and flowing the cladding metal onto said vertical face in said vertical mould space.

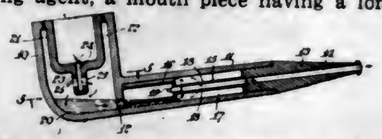
2,190,311
DISPENSER FOR POWDERED SOAP OR SIMILAR GRANULAR MATERIAL
Michael Conner, Cincinnati, Ohio, assignor of one-half to Sugar Beet Products Company, Saginaw, Mich., a corporation of Michigan
Application May 4, 1938, Serial No. 206,015
1 Claim. (Cl. 221—114)



A dispenser for finely divided material, comprising a receptacle having a tapering bottom with a central discharge opening therein, a tapering false bottom in said receptacle having a central outlet coaxial with and spaced axially from the opening in the first named bottom of said receptacle, and a dispensing member within said receptacle between said tapering bottom and said false bottom, centered and guided for vertical displacement axially of said receptacle, said dispensing member formed and adapted to engage said tapering outer bottom and said false bottom alternately at opposite limits of its travel, to close the outlet in said false bottom and permit material to flow through said discharge opening, and vice versa, said dispensing member formed to present a peripheral upwardly-tapered surface lying radially outside of the outlet in the false bottom, an upwardly-tapered central portion spaced inwardly of said tapered peripheral surface, extending upwardly through said outlet into said receptacle, and a substantially horizontal portion of substantial width between said tapered surfaces located to abut against said false bottom at the outlet thereof to close said outlet.

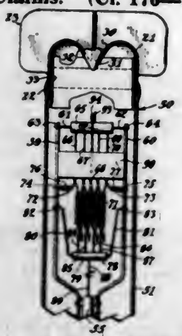
2,190,312
SMOKE PURIFIER FOR TOBACCO SMOKING ARTICLES
Francis H. Cullen, Philadelphia, Pa.
Application August 29, 1936, Serial No. 98,542
18 Claims. (Cl. 131—173)

1. In a smoke purifier of the kind described, a pipe bowl, a tobacco bowl of less depth than the pipe bowl and its lower part of smaller diameter than said pipe bowl and insertable in the latter leaving a space between the two bowls, an induction tube on the bottom of said tobacco bowl with a hole therein communicating with the interior of the tobacco bowl and lateral openings from the hole to the exterior of the induction tube, a hollow stem body carried by the pipe bowl in communication with the latter through a restricted opening adapted to be sealed by a liquid sealing agent, a mouth piece having a longitu-



dinal bore and insertable in the outer end of the stem body, a tube carried by said mouth piece and communicating with the bore thereof, said tube having oppositely disposed orifices intermediate its ends and the inner end of said tube being closed, and a cylinder carried by said tube having an open inner end adjacent a wall at the inner end of the stem body, said tube and cylinder occupying the longitudinal center of said stem body.

2,190,313
LAMP WITH INTEGRAL COOLING RADIATION
George M. Dinnick, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1938, Serial No. 248,398
7 Claims. (Cl. 176—16)

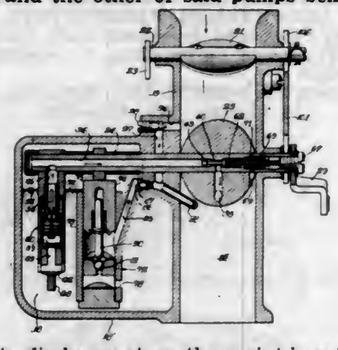


1. A lamp comprising a filament, a casing with an inert gaseous atmosphere enclosing said filament and having a translucent portion adjacent said filament and a metal portion sealed to said translucent portion, said metal portion having interior fins.

2,190,314
CARBURETOR
David Firth, Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 3, 1936, Serial No. 62,179
3 Claims. (Cl. 261—34)

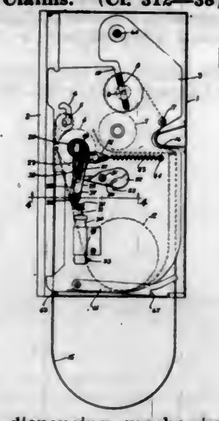
1. A carburetor comprising, in combination, a body member having a main passage and a fuel chamber, a throttle in said main passage having a fuel passage therein terminating in a discharge orifice, means for supplying fuel from said chamber to said main passage, said means comprising a pair of accelerating pumps supplied from said chamber and operated to discharge fuel in response to the opening of said throttle, one of said

pumps being connected to discharge through said orifice, and the other of said pumps being con-



nected to discharge at another point in said main passage.

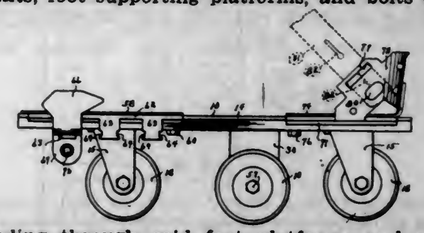
2,190,315
STOP MECHANISM FOR TOWEL DISPENSING APPARATUS
Albert C. Grunwald, River Forest, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application March 10, 1937, Serial No. 130,119
Renewed December 9, 1939
7 Claims. (Cl. 312—38)



1. A towel dispensing mechanism having, a measuring roll, a stop mechanism controlled by and controlling the roll, including two stops, a first operated by the roll and a second independently automatically movable to non-stop position, means by which the first stop forcibly moves the second to stop position and releases it, automatic means for reversing the roll following engagement of the stops, and means cooperable with the first stop for limiting such reversal.

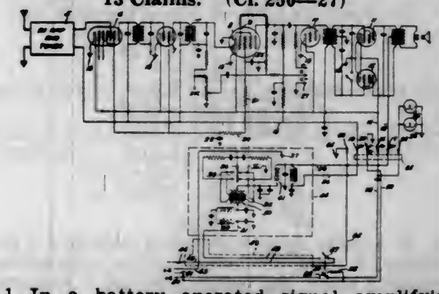
2,190,316
ADJUSTABLE SKATE
Fredric A. Harris, Des Moines, Iowa
Application January 24, 1938, Serial No. 186,589
4 Claims. (Cl. 280—11.26)

1. In a skate, an elongated chassis bar having an elongated longitudinal groove and an elongated slot opening in the center bottom of said elongated groove, a plurality of supporting elements, bolts extending through said supporting elements and said elongated slot opening for securing the same to the under side of said chassis bar; said bolts having their upper portions resting in said elongated groove and terminating below the upper surface of said chassis bar, wheels rotatably mounted on said supporting elements, foot supporting platforms, and bolts ex-



tending through said foot platforms and said elongated slot opening for securing said foot platforms to the upper side of said chassis bar.

2,190,317
BATTERY OPERATED RADIO APPARATUS
Poul F. G. Holst, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1936, Serial No. 80,098
13 Claims. (Cl. 250—27)

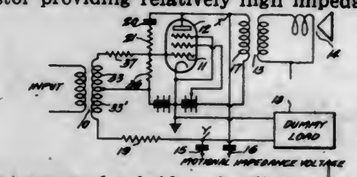


1. In a battery operated signal amplifying apparatus including a plurality of electric discharge devices, a cathode heating circuit having a chassis ground connection and a common supply lead provided with external terminal means, means providing anode and screen grid supply connections for said apparatus having external terminal means associated with said first-named terminal means, a vibrator potential supply device connected with said last-named terminals, said vibrator device being designed to operate with a potential of substantially four volts and said filament heating circuit being designed to operate with a potential of substantially two volts, whereby said vibrator and cathode heating circuits may be connected with the terminals of a storage battery with a common connection at an intermediate tap thereon, filament circuit supply connections for said first-named terminals including a shielded conductor, and separate supply leads for said vibrator device.

2,190,318
DAMPING SYSTEM
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 21, 1938, Serial No. 203,224
14 Claims. (Cl. 179—180)

1. In a system for damping the motion of a device including a load circuit and a member movable in response to the current of said circuit and susceptible of producing therein a motional impedance voltage, the combination of an amplifier provided with an input circuit and with output electrodes connected to said load circuit, a network including the output electrode impedance of said amplifier and balanced with respect to said load, and means for deriving said mo-

tional impedance voltage from said network, said last named means including a load device and a resistor providing relatively high impedance ad-



jacent arms of a bridge circuit in said network and an output connection between said arms and a point on said network between the output electrode and said load circuit.

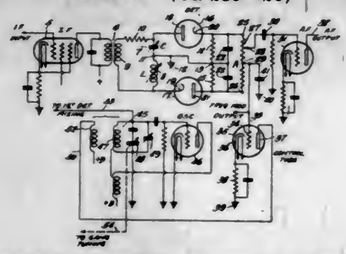
2,190,319

AUTOMATIC TUNING SYSTEM

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1937, Serial No. 156,666

4 Claims. (Cl. 250—20)



1. In a radio signalling system including a first detector, a local oscillator and an intermediate frequency stage, the combination of a frequency discriminating control circuit comprising series resonant tuning elements provided with end and intermediate terminals and connected in parallel with the output of said intermediate frequency stage, a resistance network provided with end and intermediate terminals, a pair of rectifying elements reversely connected between the end terminals of said circuit and said network, means interconnecting said intermediate terminals, means for automatically tuning said oscillator in response to change in the potential of said network, and means for deriving an audio frequency output from said network.

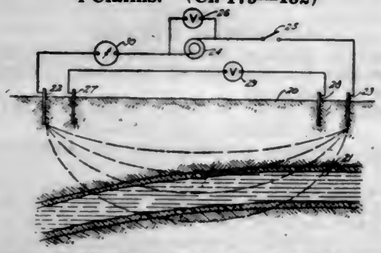
2,190,320

METHOD OF DETERMINING THE PRESENCE OF OIL

Gennady Potapenko, Pasadena, Calif., assignor to Geo-Frequenta Corporation, a corporation of Delaware

Application December 22, 1937, Serial No. 181,144

4 Claims. (Cl. 175—182)



1. A method of oil prospecting which includes subjecting the earth to a polarizing electromotive force, and determining the dependence upon time of the resultant earth polarization.

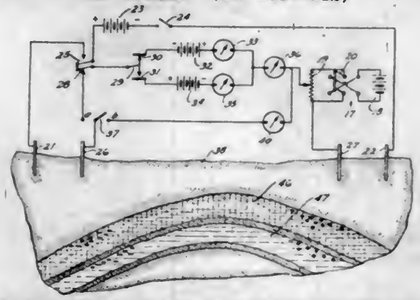
2,190,321

METHOD AND APPARATUS FOR GEOPHYSICAL PROSPECTING

Gennady Potapenko, Pasadena, Calif., assignor to Geo-Frequenta Corporation, a corporation of Delaware

Application December 22, 1937, Serial No. 181,143

14 Claims. (Cl. 175—182)



2. A method of geophysical prospecting comprising polarizing the earth, successively applying to the earth electromotive forces of opposite direction, and measuring the currents in circuit with said electromotive forces.

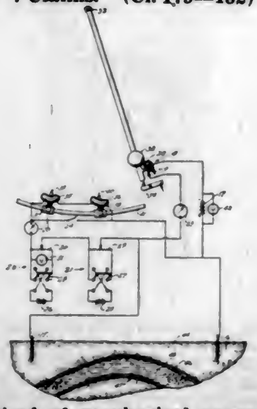
2,190,322

METHOD OF GEOPHYSICAL PROSPECTING

Gennady Potapenko, Pasadena, Calif., assignor to Geo-Frequenta Corporation, a corporation of Delaware

Application December 24, 1937, Serial No. 181,595

7 Claims. (Cl. 175—182)



1. A method of geophysical prospecting comprising subjecting the earth to polarizing applications of a unidirectional electromotive force during polarizing periods of different duration, and measuring the resultant earth polarization at a plurality of times during the discharge of said polarization following polarizing applications of each duration, whereby is determined a relation between polarization and time during the build-up and discharge of polarization.

2,190,323

METHOD OF AND APPARATUS FOR GEOPHYSICAL PROSPECTING

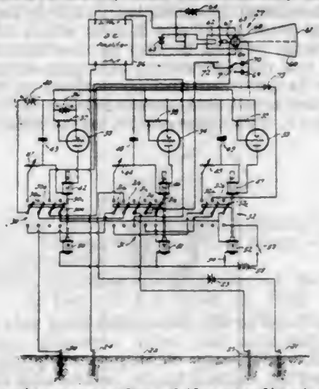
Gennady Potapenko and Donald Folland, Pasadena, Calif., assignors to Geo-Frequenta Corporation, a corporation of Delaware

Application January 4, 1938, Serial No. 183,264

9 Claims. (Cl. 175—182)

1. A method of geophysical prospecting comprising polarizing the earth for a limited time

period by application thereto of a unidirectional electromotive force, and continuously measuring



the instantaneous value of the resultant earth polarization during discharge of said polarization following said polarizing period.

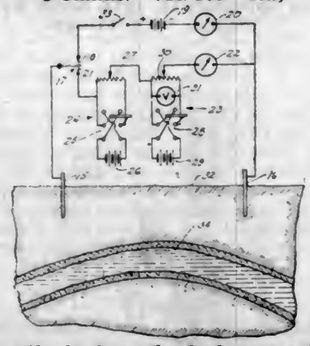
2,190,324

METHOD OF GEOPHYSICAL PROSPECTING

Glen Peterson, Pasadena, Calif., assignor to Geo-Frequenta Corporation, a corporation of Delaware

Application February 2, 1938, Serial No. 188,299

8 Claims. (Cl. 175—182)



1. A method of geophysical prospecting comprising subjecting the earth through spaced electrodes to intermittent polarizing applications of a unidirectional electromotive force of constant duration, intermittently measuring between spaced points in the earth the potential difference due to the resultant earth polarization during measuring periods of constant duration following said polarizing applications by a constant time interval, and repeating said intermittent measurement of potential difference employing measuring periods following said polarizing applications by time intervals having a plurality of values different from said first-mentioned time interval, the repetitions of said measurement being sufficient in number to establish a relation between the measured potential difference and said time interval.

2,190,325

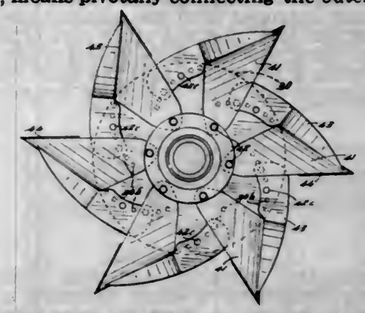
ROTOR FOR SNOW PLOWS

Melvin H. Bemis, Edward R. Greer, and Andrew E. Morrison, Minneapolis, Minn., assignors to Rotary Snow Plow Company, Minneapolis, Minn., a corporation of Minnesota

Application January 10, 1938, Serial No. 184,234

7 Claims. (Cl. 37—43)

1. A rotor for a snow plow comprising an annular plate, a hub secured to said plate, said hub having flanges at each end, a plurality of concavo-convex blades of sheet material having their concave sides directed forwardly for engaging snow, means pivotally connecting the outer edges



of said blades to said flanges respectively, means secured to said blades and extending along said plate and means for securing said last mentioned means in different positions on said plate whereby said blades are held in different positions.

2,190,326

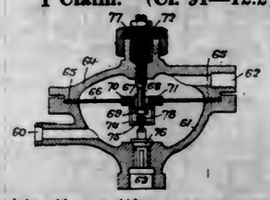
APPARATUS FOR PROJECTION OF MOLTEN PULVERIZED BODIES

Francois Philippe Charles Benoit, Paris, France

Application July 15, 1936, Serial No. 90,661

In France February 19, 1936

1 Claim. (Cl. 91—12.2)



In combination with a spray gun for melting powder and spraying the resulting molten matter in an atomized state, a casing, an elastic partition in said casing for dividing it into two chambers, an inlet for said fluid under pressure opening into one of said chambers, an outlet for said fluid connected with said last mentioned chamber, said elastic partition being provided with an adjustable aperture of restricted section, means carried by said partition for controlling said outlet so as to open it when the pressure in said last mentioned chamber is higher than in the other chamber, and an outlet connected with said other chamber adapted to be connected with said means for feeding a fluid under pressure to said burner, the first mentioned outlet serving to the outflow of the fluid intended to hold the powder in suspension therein.

2,190,327

DRAFTING ATTACHMENT FOR SCALES

John B. Clerke, Springfield Gardens, N. Y.

Application April 26, 1938, Serial No. 204,303

9 Claims. (Cl. 33—75)

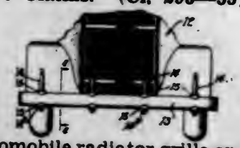
7. A device of the class described, comprising a triangularly shaped tubular member adapted to be slipped upon either end portion of a triangular scale, an indication mark in the form of a small aperture in the bottom arm of said member, adapted to be aligned with the zero mark of any of the rulings of said scale, and vernier means for holding said member in vari-

ous adjusted positions on said scale, said tubular member comprising a strip of metallic material bent into triangular shape and having one of its ends extended from the bottom arm with part of the extension bent over and secured to the other end, extended from the adjacent side arm, said bottom arm, and the other part of its extension, being wider than the adjacent side arm, and having a projection past the inner edge of the adjacent side arm, to provide material for



the indication marking, and said indication marking comprising a small aperture in said projection located so that its center point is aligned with the inside edge of the adjacent side arm and with the adjacent edge of the scale when the end portion of the scale is engaged into the tubular member, a protractor with an aperture at its zero position, so arranged that the aperture of the said triangularly shaped member may conveniently be superimposed over the aperture of the protractor.

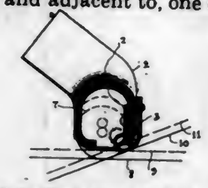
2,190,328
GRILLE AND FENDER GUARD FOR AUTOMOBILES
Martin Hans, Berwyn, Ill.
Application July 25, 1938, Serial No. 221,257
6 Claims. (Cl. 293—55)



1. An automobile radiator grille or wheel fender guard adapted to be secured to a horizontal member of an automobile bumper comprising a single rigid rod of round cross-section extending above the top of said bumper horizontal member, said rod having a plurality of vertically spaced pairs of integral projections constituting spaced upper abutments and a lower threaded end portion carrying a nut constituting an adjustable lower abutment, a pair of vertically spaced retainers positioned to engage the upper and lower edges of the bumper horizontal member, each of said retainers comprising a bar having an angularly bent end adapted to engage a face of said bumper member and having a horizontal portion provided with an opening therein, said opening being enlarged at spaced points of its periphery to permit passage therethrough of said pairs of rod projections, the upper one of said retainers being disposed in abutment with one of said pairs of projections and the lower one of said retainers being disposed in abutment with said nut.

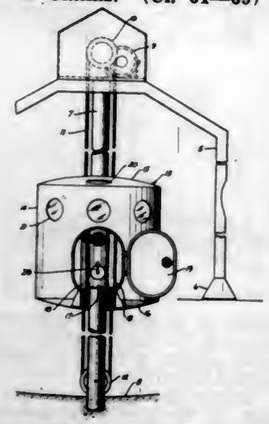
2,190,329
THREAD PICKER FOR VACUUM-CLEANER NOZZLES
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Application October 21, 1936, Serial No. 106,763
4 Claims. (Cl. 15—157)

1. In a vacuum-cleaner nozzle having an elongated air-inlet slot, forward and rearward carpet-contacting lips defining the long sides of said slot, all the foregoing disposed transversely to the direction of motion of the nozzle when in use, a row of teeth affixed to one of the long sides of said slot but not in normal cleaning engagement with the carpet nap and so positioned that the tips of the teeth are substantially horizontally aligned with, and adjacent to, one of said lips, the



said lip affixed to the same said long side and extending between the teeth, normally contacting the carpet undergoing cleaning, and being flexibly yieldable with respect to the nozzle and the teeth when under more than usual upward pressure from the carpet when more than normal downward pressure is exerted by the operator, said yieldability permitting the said teeth to sink into the carpet nap when the said downward pressure is exerted.

2,190,330
SUBMERSIBLE CHAMBER
Edmund S. Martine, Los Angeles, Calif.
Application November 16, 1938, Serial No. 240,841
9 Claims. (Cl. 61—69)

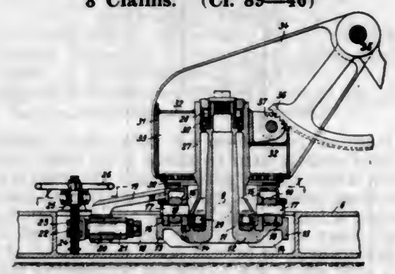


1. A submersible structure as described, comprising a vertical tubular guide anchored in the river bed and above the surface of the water, a drum surrounding the guide and having a well through which the guide passes, a cable secured to said drum, a pair of pulleys for said cable, an anchoring means for said pulleys above and below the surface of the water, respectively.

2,190,331
SCROOPING PROCESS
Hugh Harold Mosher, Nutley, N. J., and Boris Uzunoff, New York, N. Y., assignors to The Richards Chemical Works, Incorporated, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1937
Serial No. 150,314
3 Claims. (Cl. 91—68)

1. The herein described method of applying scroop to prefinished cellulose textile material, which method comprises the steps of removing all softening agents from the material, and then treating the material with an aqueous emulsion of about 1% to 1¼% of a compound selected from the class consisting of the aliphatic alcohols having more than ten carbon atoms in the molecule and having melting points between 15° and 40° C. and the borates and amides of said alcohols, while excluding softening agents.

2,190,332
PIVOT GUN
Emil Nuding, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany
Application October 9, 1937, Serial No. 168,149
In Germany October 21, 1936
8 Claims. (Cl. 89—40)



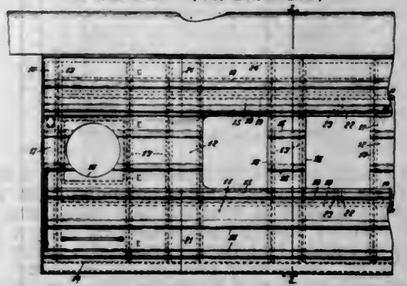
1. In a gun carriage structure of the class described, a lower carriage and an upper carriage, a pivotal column Cardanically mounted at its lower end on said lower carriage, a supporting element connected with said upper carriage and disposed to surround and rotate on said column, two upwardly projecting lugs fixed at the lower end of said column and surrounding the lower part of said supporting element and carrying one pair of the journals of the Cardan mounting, two angularly-spaced radial arms attached to the lower end of said column, and means for adjustably connecting said arms to said lower carriage.

2,190,333
HOPPER CAR CONSTRUCTION
Karl F. Nystrom, Milwaukee, Wis.
Application April 16, 1938, Serial No. 202,492
10 Claims. (Cl. 105—247)



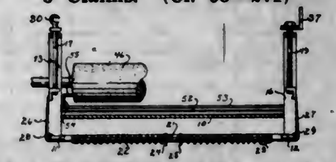
1. A hopper car construction comprising a plurality of preformed members adapted to constitute the side walls of the hopper portion, anchoring members and fill sheets, certain of the anchoring members being adapted to slope upwardly from the base of the car side sill to the top thereof, with the upper ends secured to the car side wall while the lower end is secured to the base of the side sill, said members being provided with a side stake supporting and attaching portion; other members arranged in straddling relation with the car center sill and secured to the adjacent side walls of the hoppers on opposite sides of the center sill; a fill sheet disposed between the members on the car side sill and sloping toward the car side wall and united therewith, the ends of said fill sheet being integrally united to said first mentioned members; and a crown sheet disposed across the center sill members, the ends of said crown sheet integrally secured to the last mentioned members.

2,190,334
RAILROAD CAR WALL CONSTRUCTION
Karl F. Nystrom, Milwaukee, Wis.
Application February 18, 1939, Serial No. 257,040
4 Claims. (Cl. 105—401)



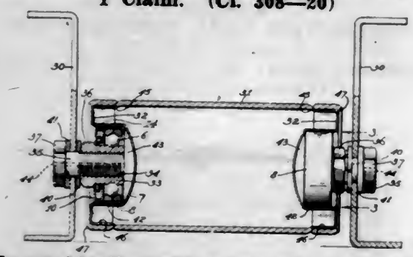
1. In a railroad car construction, a side frame comprising longitudinally extending letter-board, intermediate and lower side metal sheets; the intermediate sheet being provided with longitudinally spaced window-openings and its upper and lower longitudinal edges bent inwardly to provide horizontally disposed portions terminating in vertically extending flanges, said horizontal portions at longitudinally spaced points being provided with closed ended slots; and vertically disposed posts extending through said slots and intimately secured to said horizontal portions, vertical flanges and to the inner sides of the main portions of the letter-board, intermediate and lower side sheets.

2,190,335
CLOTHES OR LIKE WRINGER
Robert D. O'Callaghan, Des Moines, Iowa
Application October 4, 1937, Serial No. 167,188
3 Claims. (Cl. 68—271)



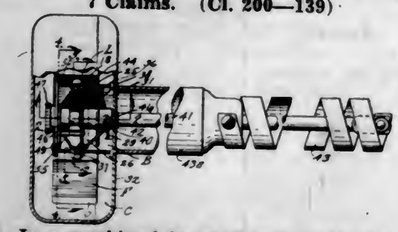
1. In a wringer, a lower frame member, an upper frame member vertically slidably mounted to said first frame member, a roller rotatably mounted in each of said frame members, a horizontal rod below said first frame member, two compression springs embracing said rod, a means for limiting the movement of each of said springs on said rod, a cable guide member at each end of said first mentioned frame, a cable having one end operatively secured to one of said compression springs and its other end secured to one end of said second frame member; said cable engaging one of said cable guide members and having only one bend in its length from its point where it is operatively secured to said spring and secured to said second frame, and a second cable having one end operatively secured to the other said compression spring and its other end secured to the other end of said second frame member; said second cable engaging the other of said cable guide members and having only one bend in its length from the point where it is operatively secured to said spring and to said second frame member.

2,190,336
CONVEYER ROLLER CONSTRUCTION
Samuel Olson, Chicago, Ill.
Application June 22, 1936, Serial No. 86,452
1 Claim. (Cl. 308—20)



In combination with a conveyer roller, a head for the roller closing its cavity and formed with a central socket, a bearing unit comprising an outer bearing race, an inner bearing race, a plurality of rolling members between the races, said unit being frictionally secured in the socket, the inner race having a threaded bore, a bearing support and a screw in said support disposed with its threads engaging the bore of the inner race for clamping it to the support, the outwardly disposed end of said inner race having radial notches, and a split spring washer disposed between said notched end of the race and support engaged with one of the notches for locking the bearing member against rotation.

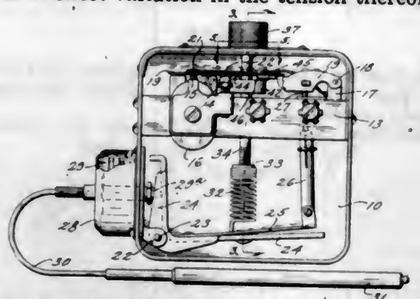
2,190,337
COMBINATION FAN AND LIMIT CONTROL
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application February 21, 1938, Serial No. 191,645
7 Claims. (Cl. 200—139)



1. In a combined fan and limit control switch, a switch housing, a fan switch and a limit switch mounted therein, an operating rod for said switches, a first cam thereon for operating said fan switch, a second cam thereon for operating said limit switch, a temperature responsive element for rotating said rod, said first cam being rotatable relative to said rod, a disc secured to said rod, a pointer normally fixed relative to said disc, means for swinging said pointer relative to said disc to a new position spaced from the first position and for locking said pointer in its new position and an operative connection between said pointer and said first cam to retain said first cam in relatively fixed position circumferentially of said rod.

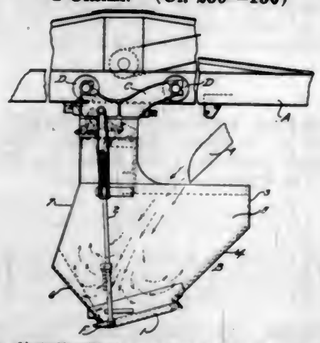
2,190,338
SWITCH STRUCTURE
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application January 3, 1939, Serial No. 248,973
4 Claims. (Cl. 200—83)

1. In a switch structure of the character disclosed, a switch arm, condition responsive means, a lever operated thereby, means for operatively connecting said lever to said switch arm whereby the condition responsive means normally moves the switch arm through a path of movement effective to make and break an electric circuit controlled by said switch arm, a range adjusting spring for said lever, an adjusting shaft for said range adjusting spring and operable upon rotation to effect variation in the tension thereof on



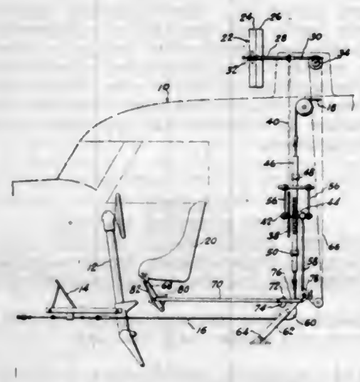
said lever, a projection on said shaft coacting with said switch arm to move it to open circuit position when the adjusting shaft assumes a predetermined position, said operative connection including a leaf spring having one end anchored to said lever and its other end connected with said switch arm to permit such movement of the switch arm while the condition responsive means is in position corresponding to the closed circuit position of said switch arm.

2,190,339
BOOM BUCKET
Oscar Sheck, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis.
Application December 1, 1938, Serial No. 243,434
1 Claim. (Cl. 259—150)



Paver distributing means and charging means therefor, comprising, in combination, a distributing bucket including spaced side walls, supporting means for the bucket at the upper portion thereof, the front portion of the bucket between the side walls being made up of upper and lower inclined walls, the upper wall inclining downwardly and forwardly and the lower wall inclining downwardly and rearwardly so that the two meet at an angle some distance above the plane of the bottom of the bucket, a door for the bottom portion of the bucket inclining rearwardly and upwardly from its front edge to its rear edge and meeting at its front edge the lower edge portion of the lower inclined wall at the front of the bucket so that the door and side wall are at substantially an obtuse angle, the rear portion of the bucket being made up of a rearwardly and upwardly inclined wall leading from the rear edge portion of the door, and a chute arranged above the bucket to cooperate therewith and cause charging of concrete aggregates into the bucket by movement of the aggregates at a forward and downward angle to the vertical axis of the bucket so that said aggregates will strike the lower portion of the bucket above the door and the lower front wall at the front of the bucket at about the point of the angle at which these parts meet, whereby to cause an upward whirling and a downward swirling movement of the aggregates as they enter the bucket and impinge the bottom portion thereof, to thus eliminate segregation of the said aggregates.

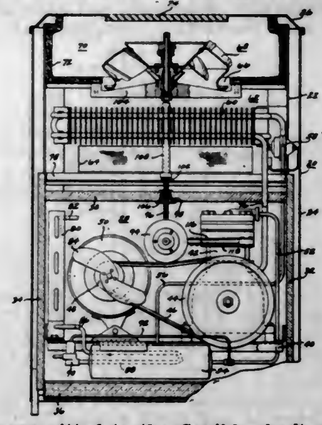
2,190,340
AIRPLANE CONTROL
Igor I. Sikorsky, Trumbull, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 22, 1937, Serial No. 181,173
6 Claims. (Cl. 244—82)



2. In an aircraft having a movable control surface, manually actuatable means for moving said control surface, a wind-driven servo-mechanism, a connection between said servo-mechanism and said manually actuatable means for applying power developed by said servo-mechanism to move said control surface, means for moving the vanes of said servo-mechanism to render the same operative, and manually controllable means for disrupting said connection and locking said vane moving means while leaving said manually actuatable means free to move said control surface.

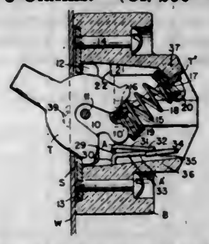
2,190,341
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 29, 1936, Serial No. 82,551
5 Claims. (Cl. 62—140)

1. Refrigerating apparatus including a cabinet including a machine compartment and an evaporator compartment, a motor-compressor unit in the machine compartment, an evaporating means in the evaporator compartment, a condenser operably connected to the evaporator and compressor, a fan for circulating air in heat exchange relation with the evaporating means, means including a flexible shaft extending from the motor-compressor unit to said fan, and torque limiting means for limiting the amount of



torque transmitted to the flexible shaft and said fan for driving said fan.

2,190,342
DOUBLE BREAK ELECTRIC SWITCH
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 12, 1937, Serial No. 142,183
3 Claims. (Cl. 200—67)

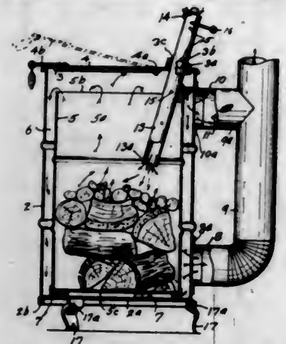


1. In a manually actuated toggle switch, a base of insulating material having a cavity therein, a manually actuated toggle member pivoted in said cavity, a pair of resilient terminals for one side of an electric circuit mounted on one side of said cavity separated by a gap, a second pair of resiliently separable terminals mounted on another side of the cavity comprising a pair of elements normally urged resiliently into contact with each other, one of said elements having an extension thereof positioned adjacent a wall of said cavity at the side opposite said gap, and a spring pressed toggle actuated lever having a portion adapted to be moved to a stop position against the cavity wall bridging the gap between said first pair of terminals to close a side of the circuit, said lever portion being adapted to move the extension of said second resilient terminal element to a stop position against the adjacent cavity wall for separating said second pair of terminals and simultaneously establishing the gap between said first pair of terminals.

2,190,343
DUAL COMPARTMENT STOVE
Clinton D. Town, Portland, Oreg.
Application October 30, 1937, Serial No. 171,944
18 Claims. (Cl. 126—75)

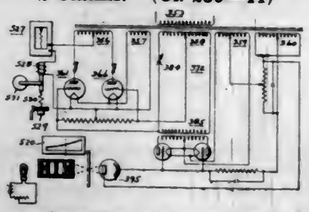
1. A heating device comprising a firebox, an

encompassing heating jacket communicating therewith adjacent the top of said firebox, a draft connection extending vertically into said firebox, said connection comprising a tubular



element adjustable to vary the plane of the effective outlet of said draft connection vertically, and means for selectively fixing the height of said outlet by hand while said elements are in their normally heated condition.

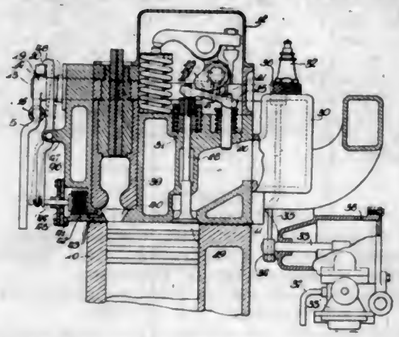
2,190,344
AIR CONDITIONING
George V. Woodling, Cleveland, Ohio, assignor to General Motors Corporation, a corporation of Delaware
Original application December 3, 1932, Serial No. 645,570, which is a division of application Serial No. 606,837, April 22, 1932. Divided and this application November 10, 1936, Serial No. 110,162
2 Claims. (Cl. 236—44)



1. The combination of control means, a relay for operating said means, a light sensitive device, circuit connections interconnecting the relay and the light sensitive device, means emitting a plane of light, an opaque member having a light transmitting portion with at least two non-parallel sides for governing the amount of said light falling upon the light sensitive device, and condition responsive means for actuating the member, the non-parallel sides of the light transmitting portion being so proportioned that the magnitude of the plane of light falling upon the light sensitive device corresponds to the magnitude of the condition.

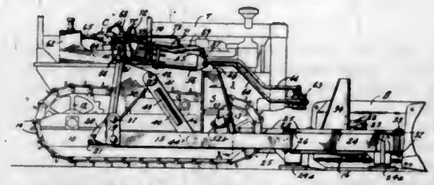
2,190,345
STARTING DEVICE FOR HIGH COMPRESSION ENGINES
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 31, 1935, Serial No. 33,952
4 Claims. (Cl. 123—48)

3. In an internal combustion engine formed with a combustion chamber, the combination of means for operating the engine on a volatile mixture with spark ignition and on low compression, means for operating the engine on high compression with a non-volatile fuel and compression ignition, means for shifting from one operating means to the other, speed responsive means operated by the engine, means connecting said means to the shifting means operable to shift from low compression to high compression when the en-



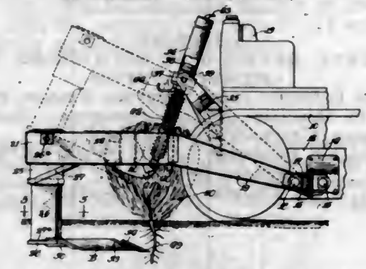
gine has attained a predetermined speed sufficient to ignite and operate on compression ignition, and heat responsive means in heat exchange relation with the engine operable to retard the shifting to high compression by the speed responsive operated means until the engine temperature is sufficient for operation on compression ignition.

2,190,346
EARTH MOVING DEVICE
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application June 21, 1937, Serial No. 149,460
9 Claims. (Cl. 37—144)



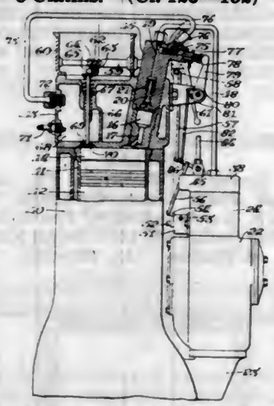
1. The combination with an earth moving device having a main frame including a pair of side frame elements pivotally connected to a tractor and a blade carried thereby for engaging and moving earth; of means for raising said blade comprising an upright jack lever arm pivoted to said tractor at a point adjacent the pivotal connection of the side frame element thereto, said arm having a connection for the side frame element, said connection being located forwardly and upwardly from the lever arm pivot, a lifting link between said connection and the side frame element at a point spaced forwardly from the pivotal connection of the element and the jack lever arm to the tractor, a hydraulic jack for each jack lever arm, a supporting bracket for each hydraulic jack and located forwardly of the jack lever arm, said hydraulic jack being interposed between said supporting bracket and said jack lever arm and arranged in a substantially horizontal plane to swing the jack lever arm rearwardly and result in upward lifting of said main frame and said blade.

2,190,347
EARTH MOVER
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application March 27, 1939, Serial No. 264,413
12 Claims. (Cl. 97—47)



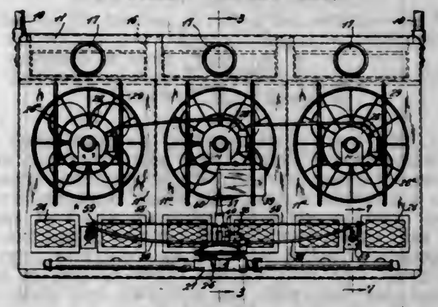
1. In an earth moving device, a tractor, a U-shaped frame adapted for attachment of its arms to said tractor, a root cutting blade supported by said frame at the rear of said tractor for root cutting operations upon being propelled by said tractor, said blades comprising forwardly converging blade portions which are relatively thin vertically and wide horizontally and being arranged to be propelled by said tractor, vertex foremost, and at an elevation to cut under ground, uprights rigidly attached to said blade at points near the lower extremities of said legs, means for attaching said uprights to said frame, and a hydraulic jack interposed between said tractor and said frame for varying such elevation and thereby adjusting the depth of cut.

2,190,348
STARTING SYSTEM FOR COMPRESSION IGNITION ENGINES
Abel W. Bach, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 3, 1938, Serial No. 211,622
3 Claims. (Cl. 123—182)



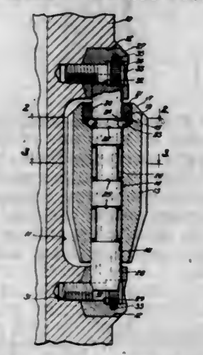
1. In combination, an engine having a main combustion chamber and a first valve for admitting heavy fluid for normal compression ignition, and an auxiliary combustion chamber adapted to be connected with the main combustion chamber on starting and a second valve for admitting a volatile starting fluid for lower compression and spark ignition, a pump connected with both valves and having a single plunger functioning to supply the proper fluid to the two valves, and means for connecting the auxiliary combustion chamber with the main combustion chamber and for causing the pump to supply volatile starting fluid to the second valve.

2,190,349
HEATER
Vilynn O. Beam, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application January 5, 1937, Serial No. 119,119
8 Claims. (Cl. 126—110)



1. In a unit heater of the class described, a casing having heat exchange members therein, burners adjacent the bottom of the casing, a plurality of motor driven fans or blowers for directing air forwardly past the heat exchange members, control means for causing the same to be started successively, a valve for controlling the supply of fuel to the burners, and means whereby one of the blowers other than the first blower controls the valve.

2,190,350
REAMER CUTTER MOUNTING MEANS
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Original application November 18, 1938, Serial No. 241,205. Divided and this application March 10, 1939, Serial No. 260,973
8 Claims. (Cl. 255—73)



1. In a well reamer, a reaming cutter having a longitudinal opening, a pin passing through said opening and projecting from the ends of the cutter, the pin having an annular ball race, one end portion of said opening being enlarged to form a socket, a ring inserted in said socket and integrally joined to the cutter, there being a ball race formed in said ring and the cutter at the inner wall of the socket to register with the first named

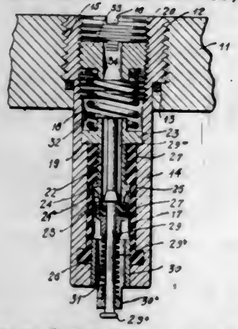
race, and balls in the registering races rotatably supporting the cutter and transmitting end thrusts in both directions.

2,190,351
BOILER CONSTRUCTION
Frank L. Cormier, East Braintree, Mass., assignor to Massachusetts Engineering Co., Inc., North Quincy, Mass., a corporation of Massachusetts
Application March 10, 1938, Serial No. 195,115
8 Claims. (Cl. 29—157.4)



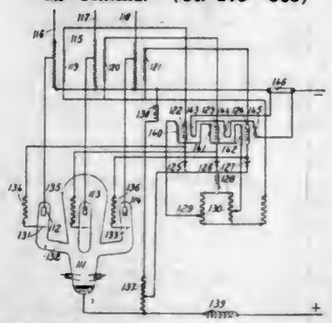
1. The method of forming the outer shell of a boiler having a cylindrical portion and an adjacent fire-box portion, which comprises shearing a suitable sheet-metal blank inwardly from two opposite edges to form two wings at each of said edges, bending one portion of the blank together with the attached two wings to form a cylinder, and utilizing the other portion of the blank together with the attached two wings to form the fire-box portion of the shell.

2,190,352
RELIEF VALVE
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 6, 1937, Serial No. 135,289
1 Claim. (Cl. 137—53)



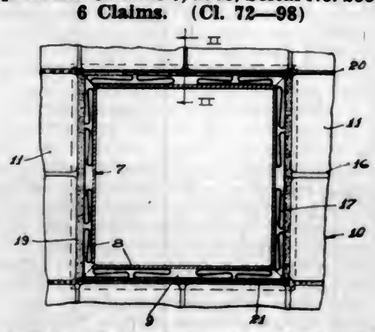
A pressure relief valve comprising a tubular member adapted to have one of its ends in communication with pressure fluid while its opposite end constitutes an outlet, said member having a counterbore therein adjacent said outlet end and a bore extending therethrough from said counterbore to said inlet end, a barrel located in said member and having a valve seat at one end thereof and a bore therethrough, said barrel being movable longitudinally of said member and having adjacent its other end a flange slidably fitting said counterbore and engageable with the bottom thereof to limit movement of the barrel in one direction, an elastic tube interposed between said barrel and the wall of said bore in said member and having one of its ends secured to said barrel intermediate said valve seat and said flange and its opposite end secured to said member, a valve movable longitudinally of said member, means tending to move said valve against said valve seat on said barrel, means tending to move said barrel in the opposite direction and toward said valve with a predetermined pressure, and means limiting said movement of said valve, said barrel being provided with a surface upon which pressure fluid can act to move said barrel against the action of said second named means and in a direction away from said valve.

2,190,353
CONTROL DEVICE FOR RECTIFIERS WITH IONIZED VAPOR
Marcel Demontvignier, Suresnes, France, assignor to Hewittic (Societe Anonyme), Suresnes, France, a corporation of France
Application December 3, 1932, Serial No. 645,634
In France December 5, 1931
12 Claims. (Cl. 175—363)



10. In an electric translating system, the combination with an alternating current circuit, a direct current circuit, and means comprising a vapor electric valve having an anode and a cathode interconnecting said circuits and constituting spaced electrodes for the flow of current therebetween, of means for controlling said flow of current comprising an element of said valve other than said electrodes, means comprising a saturable inductor connecting said alternating circuit with said element and one of said electrodes, an auxiliary electric valve having an anode connected with one of said electrodes and a cathode connected with said element, and means for controlling the saturation of said inductor in dependence upon variations in the voltage of said alternating current circuit.

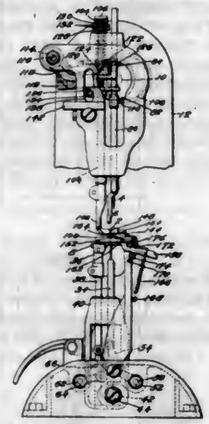
2,190,354
MOUNTING FOR FRAMES IN BUILDING WALLS
Daniel T. Downes, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 7, 1938, Serial No. 233,768
6 Claims. (Cl. 72—98)



1. A frame for an opening in a building wall,

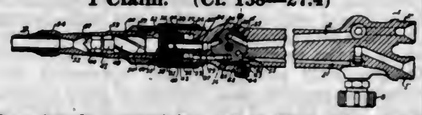
comprising frame sections having outwardly directed flanges adapted to engage the marginal portions of openings in building walls and a spring comprising a sinuously bent strip of resilient metal disposed between the flanges and running lengthwise of the sections and engaging at the vertices of the sinuations alternately with the webs between the flanges of the sections, and the marginal portions of the openings resiliently to support the frame.

2,190,355
SHOE SEWING MACHINE
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 4, 1937, Serial No. 146,389
18 Claims. (Cl. 112—47)



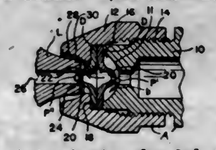
1. A machine for use in the manufacture of pre-welt shoes having, in combination, means for guiding a welt and an unlasted upper to the sewing point with their edges substantially in alignment, and stitch forming and work feeding devices including a presser foot, a hook needle, an awl, means for moving one of the latter two elements with the work in the line of feed, and means for feeding the upper with relation to the welt during the sewing operation to cause the upper to be sewed to the welt in puckered condition.

2,190,356
TORCH
Arthur J. Fausek and Irwing F. Fausek, Clayton, Mo.
Application April 27, 1936, Serial No. 76,551
1 Claim. (Cl. 158—27.4)



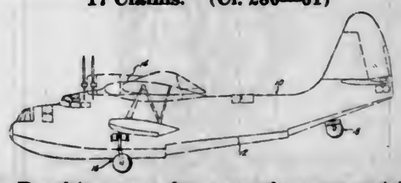
In a torch comprising a handle portion having longitudinal gas conduits therethrough and a transversely disposed recess therein, a mixer portion having conduits therethrough and a flame directing portion having a nozzle, the combination of a valve mechanism conveniently located in the transverse recess in the handle portion for conducting gases from their source of supply to the conduits of the mixer and controlling their rate of supply, characterized by a rotatable portion provided with ducts to be brought into registration with the gas conduits through the handle portion from the source of supply and those through the mixer portion and so arranged that upon operation of the rotatable portion of the valve mechanism one gas will be cut off before the other gas is cut off, and an independently controlled by-pass through the rotatable portion of the valve mechanism for supplying gas for a pilot light constantly in registration with the conduit from the source of supply.

2,190,357
REPLACEABLE NEEDLE POINT ADAPTER FOR LUBRICATING DEVICES
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application June 9, 1937, Serial No. 147,272
1 Claim. (Cl. 285—161)



A needle point adapter for lubricating devices comprising a fitting having at least two parts, forming thereby a receiving chamber, said parts having opposite faces, a pair of similar disk elements each having a central protuberance formed on one face which is perforated with a capillary bore, said disk elements being positioned within said receiving chamber and confined between said opposite faces with their protuberances extending in opposite directions, whereby said disk elements may be reversed within said chamber for cleaning purposes and used for lubricating purposes in either of their reversed positions.

2,190,358
BEACHING GEAR
Knut Henrichsen, Bridgeport, Conn., and Clifford J. Leisy, Towson, Md., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 19, 1938, Serial No. 202,888
17 Claims. (Cl. 280—61)

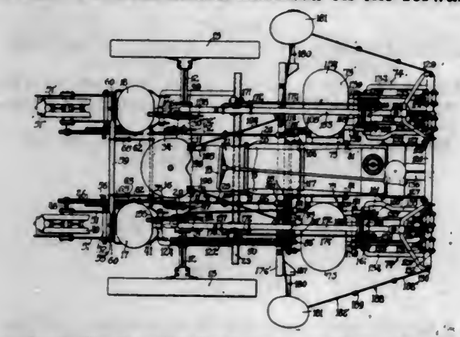


1. Beaching gear for a seaplane comprising a plurality of floating units, means for connecting said floating units to the seaplane and a manually operable jack carried by each unit for submerging the lower portions of said units after said units have been connected with said seaplane.

2,190,359
TRACTOR ATTACHMENT
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 21, 1937, Serial No. 121,506
15 Claims. (Cl. 111—59)

7. The combination with a motor propelled wheel supported frame having a narrow longitudinal body portion and a transverse rear axle structure, of a planter attachment mounted on

said rear axle structure comprising a plurality of planter units, a transverse draft means mounted below the narrow longitudinal body portion intermediate the ends thereof to which the planter units are connected, a marker-bar structure for the aforesaid planter attachment supported from the wheel supported frame intermediate the ends of the narrow longitudinal body portion, a fertilizer attachment comprising a transverse draft means mounted on the forward

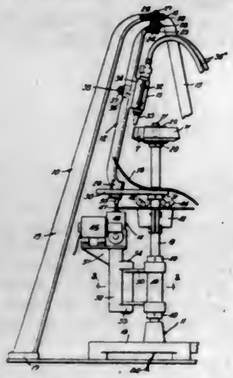


end of the longitudinal body portion, fertilizer-furrow opening units positioned on each side of the longitudinal body portion and connected to the last mentioned transverse draft means, and means for correspondingly adjusting laterally each of the aforesaid planter units and fertilizer furrow opening units for various row spacings positioned on the aforesaid transverse draft means for the planter units and the aforesaid transverse draft means for the fertilizer furrow opening units.

2,190,360

APPARATUS FOR MAKING TOOTHED CUTTERS AND THE LIKE

John H. Howard, Whittier, Calif.
Application July 11, 1938, Serial No. 218,718
9 Claims. (Cl. 266—23)

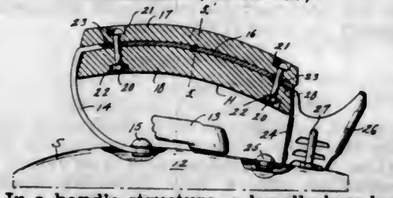


1. Apparatus for cutting teeth in a conical blank comprising means for supporting the blank, a flame cutting torch, means supporting the torch at approximately the angle of the cone of the blank and for movement around and in and out relative to the longitudinal axis of the blank, and means for moving and directing the torch in and out relative to said axis while moving it around said axis and maintaining the torch at said angle during said movement to cut peripheral longitudinal teeth in the blank.

2,190,361

HANDLE STRUCTURE FOR SADIRONS AND THE LIKE

Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application April 11, 1938, Serial No. 201,389
2 Claims. (Cl. 38—90)

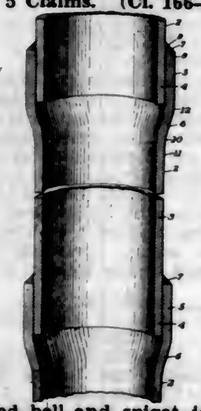


1. In a handle structure, a handle bow having a flat handle portion and a supporting portion at one end thereof and a handle member for said handle portion comprising a pair of handle elements on opposite faces of said handle portion, bolts extending through said handle elements and said handle portion to retain said parts assembled together and a supporting member for said other end of said handle bow having a flange retained between one of said handle elements and said handle portion of said handle bow by one of said bolts.

2,190,362

WELL CASING

Howard N. Keener, Baden, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 15, 1938, Serial No. 240,489
5 Claims. (Cl. 166—4)



1. A welded bell and spigot joint well casing comprising a series of casing sections which have a spigot end and a bell end, the bell having a wall thickness greater than that of the body portion of the section and being integrally united with the body portion by an outwardly flared connecting portion also having a wall thickness greater than that of the body portion, and welds joining the ends of the bells with the sides of the spigots.

2,190,363

ELECTRICAL FITTING FOR CORD SETS

Raymond Knapp, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 10, 1938, Serial No. 184,272
5 Claims. (Cl. 173—332)

1. In an electrical fitting for cord sets, a plug

body, a pair of terminals imbedded therein with their ends terminating between opposite ends thereon, passageways through said body having their inner ends terminating at the inner ends of said terminals, connector elements connected with the supply wires of a supply cord, said connector

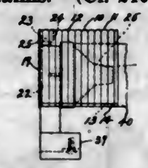


elements being positioned in said passageways and aligned thereby with said inner ends of said terminals and means for connecting said connector elements and terminals together, said means comprising screws through the terminals and threaded into said connector elements.

2,190,364

LAMP CAP FOR LUMINESCENT TUBES OR FLUORESCENT LAMPS

John Liston, Cleveland, Ohio, assignor to Novelty Lighting Corporation, Cleveland, Ohio
Application December 29, 1938, Serial No. 248,261
2 Claims. (Cl. 240—6)



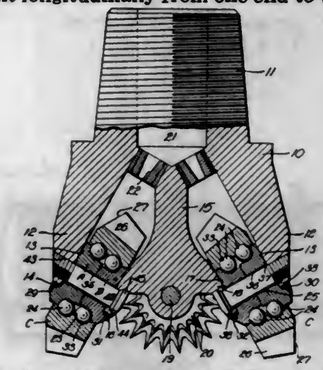
1. In combination with a supporting bracket and a luminescent lamp, a cap comprising a part enclosing body portion terminating in symmetrically aligned flanges having indentations formed therein at a predetermined location relative to the supporting bracket, an end fixed in an end of the aforesaid enclosing body portion, and having opposite portions of the enclosing body portion adjacent the flanges free from attachment with the fixed end portion to permit outward yielding of the flanges when the cap is slipped endwise over the bracket, and a positioning rib fixed in the interior of the cap and extending into the body portion from the fixed end in the cap, and adapted to maintain the cap in spaced relationship with the bracket and the lamp.

2,190,365

CUTTER AND BEARING ASSEMBLY

Robert W. Maxwell, Los Angeles, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application January 24, 1938, Serial No. 186,641
4 Claims. (Cl. 308—193)

1. An assembly of the character described comprising a roller having an opening, tubular bearing elements in the opening, anti-friction parts rotatably supporting the roller on the bearing elements and transmitting end thrusts between the roller and the bearing elements, a tubular retaining member to be arranged in the bearing elements and having laterally projecting end parts to cooperate with the ends of the bearing elements to hold the elements against axial separation, said retaining member being flexible and split longitudinally from one end to the other

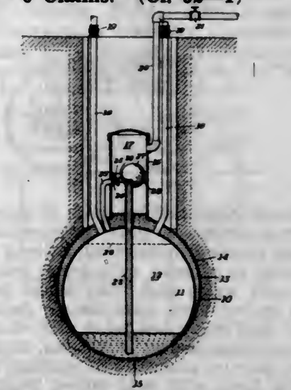


whereby it may be contracted for ready insertion in the bearing elements, and key and groove connections between the member and the bearing elements preventing relative turning between the elements.

2,190,366

GAS GENERATING APPARATUS

Roy M. Mead, Asheville, N. C., assignor to American Gas Service Company, Lima, Ohio, a corporation of Ohio
Application March 5, 1938, Serial No. 194,180
6 Claims. (Cl. 62—1)



3. A fuel-supply system comprising a liquid storage and evaporating tank having an outer wall in heat-exchange contact with a surrounding medium, means whereby said tank may be filled at intervals with liquid combustible which vaporizes at atmospheric temperatures, an offtake for vapor evolving from said liquid, and means whereby the pressure of said vapor maintains a portion of said liquid in contact with the tank wall above the level of the main body of the liquid in said tank as said level falls because of the removal of vapor from the tank.

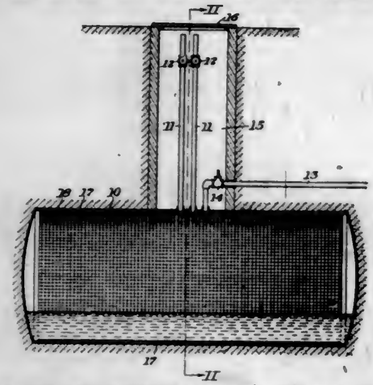
2,190,367

GAS GENERATOR

Roy M. Mead, Asheville, N. C., assignor to American Gas Service Company, Lima, Ohio, a corporation of Ohio
Application March 29, 1938, Serial No. 198,720
2 Claims. (Cl. 62—1)

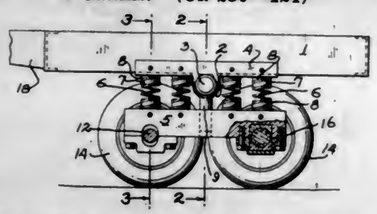
1. The combination with an underground tank

for storing liquefied fuel gas, of a lining in said tank composed of material having high capillary attraction, whereby to maintain liquefied gas in heat-exchange contact with the tank wall



throughout an area thereof above the natural level of the liquid, and means interiorly of said lining for holding said lining in place against the interior surface of the tank wall.

2,190,368
WHEELED TRUCK
David G. Morgan, San Francisco, Calif.
Application December 19, 1938, Serial No. 246,559
7 Claims. (Cl. 280—124)

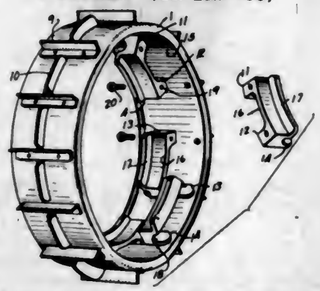


1. A truck comprising a pair of normally parallel wheel beams, a pair of normally parallel axles each passing through said wheel beams and terminating in wheels, cylindrical bearings connecting said axles and said wheel beams, said bearings having their axes fixedly parallel to the extent of said wheel beams, a pair of spring beds positioned above said wheel beams, and connected by a bed axle, a plurality of springs connecting the spring beds with said wheel beams on each side, a torque carrying connection between said spring connected spring beds and wheel beams, and a load frame mounted on said bed axle.

2,190,369
TRANSFORMATION OF ORGANIC COMPOUNDS
Francis Owen Rice, Baltimore, Md., assignor, by mesne assignments, to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 23, 1937, Serial No. 121,987
4 Claims. (Cl. 260—680)

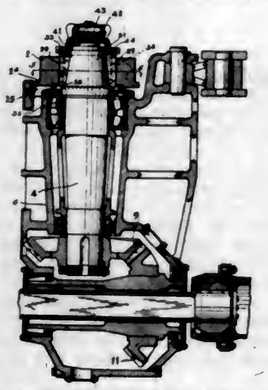
1. The process of transforming an unsaturated carbo-cyclic non-aromatic compound which comprises heating such a compound under non-catalytic conditions to a temperature of between about 1100°–1500° F. at a pressure not substantially in excess of about 20 mm. and maintaining said compound at said reaction temperature for a time of between 1/10–1/50 of a second to transform a limited quantity of said compound into substantially only organic compounds containing double bonds as primary reaction products.

2,190,370
TRACTION WHEEL RIM
Charles H. Smallwood, Brownington, and Walter A. Reich, Kansas City, Mo.
Application November 14, 1938, Serial No. 240,278
8 Claims. (Cl. 152—56)



8. In a rim of the character described, saddles mounted interiorly of the rim, certain of said saddles being fixed to said rim, the others of said saddles being connected to said fixed saddles.

2,190,371
SHAFT MOUNTING FOR ROLLS OR THE LIKE
Clarence L. Taylor, Youngstown, Ohio, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application March 1, 1938, Serial No. 193,322
1 Claim. (Cl. 287—52.01)

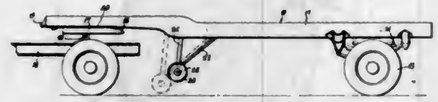


In apparatus of the type described, a shaft having a tapered portion and a threaded portion, a member to be mounted on the shaft, said member having a bore larger than the tapered portion of said shaft, a resilient tapered wedge bushing having its outer surface adapted to conform to and engage with the bore in the member to be mounted on the shaft and having its inner surface adapted to conform to and engage with the tapered portion of the shaft, means on said shaft for limiting the axial movement of the member to be mounted on the shaft, threaded means adapted to pass through the bore in said member and engaging said threads on said shaft and adapted to move said resilient bushing into engagement with both the tapered surface of the shaft and the bore of the member to be mounted on the shaft, said resilient tapered bushing having threads at one end of greater diameter than said threaded means, a nut threaded to engage said threads on said bushing and adapted to bear against the member to be mounted on the shaft to release the wedge engagement of said bushing with said shaft and member, and a key extending through a slot in said shaft and engaging said member to be mounted on said shaft at two diametrically opposed points, said wedge bushing having diametrically opposed slots extending inwardly from its thin end whereby said wedge bushing may be moved into and out of position while retaining said key in position in said shaft.

2,190,372
MANUFACTURE OF ADHESIVES
Julius R. Adams, Westfield, Mass., assignor to Old Colony Envelope Company, Westfield, Mass.
No Drawing. Application August 18, 1937, Serial No. 159,797. Renewed June 7, 1939
8 Claims. (Cl. 134—23.4)

3. A remoistening adhesive of the class described comprising in combination, dextrin, a dispersing agent consisting of a water solution of a water-soluble ether, a hygroscopic agent consisting of sorbitol, and methyl salicylate.

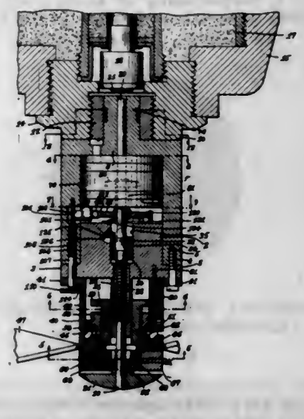
2,190,373
SEMITRAILER PROP ACTUATING MECHANISM
James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware
Application May 6, 1938, Serial No. 206,441
26 Claims. (Cl. 280—33.1)



1. In a tractor-trailer combination, a semitrailer including a chassis having wheels at its rear end and a retractable prop at its forward end, a tractor having a fifth wheel on its rear end, including a throat and coupling jaws at the inner end of the throat, said chassis of the trailer including a fifth wheel at its forward end having a stationary king pin adapted for engagement by said coupling jaws, and prop actuating means, including a member projecting below the surface of the chassis fifth wheel, and a guide slidably mounting said member in the chassis for shifting said member rearwardly by engagement with the tractor firth wheel and movable upwardly prior to coupling of the jaws and king pin.

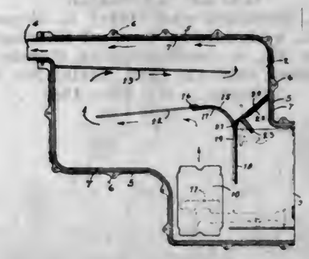
2,190,374
AERIAL BOMB FUSE
Frederick W. Bold and Arthur W. Bold, Chelsea, Mass., assignors to Waltham Horological Manufacturing Company, Waltham, Mass.
Application December 22, 1937, Serial No. 181,175
2 Claims. (Cl. 102—37)

1. In a fuse, a casing, a cap on the casing rotatable during flight and comprising a sleeve and a hub threaded therein, said hub having gear teeth, a firing pin passing thru the hub and having a head externally of the casing, removable blocks between the cap and the head of the firing pin and each having a recess in its rear face, said hub having a portion normally projecting forwardly of the rotatable cap and disposed in



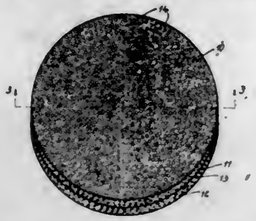
the recesses of the blocks, said sleeve having a gear with a different number of teeth than the hub, and a pinion carried by the casing and meshing with both gears, and air-operated means to rotate the cap.

2,190,375
FURNACE CONSTRUCTION
Herbert F. Curtis, Berea, Ohio, assignor to Henry Furnace & Foundry Company, Cleveland, Ohio, a corporation of Ohio
Application September 23, 1938, Serial No. 231,365
6 Claims. (Cl. 126—91)



4. A furnace comprising matched left and right housing portions adapted to be placed together to form a housing section, said sections formed with faces disposed on opposite sides of each section and adapted to be matched with each other and formed to provide openings therethrough, said sections adapted to be assembled in juxtaposition to each other in batteries with said openings in alignment to provide a unitary structure, burners disposed in said sections and communicating with each other through said openings, each of said housing portions having inwardly extending flanges adapted to abut each other to form partitions in the housings, said partitions being arranged to cause a continuous sinuous flow of the products of combustion through the housing, at least one of said partitions being interrupted to provide a cleanout opening, and a removable baffle for closing said opening and a second removable baffle for locking said first baffle in place and further closing said opening.

2,190,376
NONABSORBENT CLOSED CELL POWDER PUFF
Frederick M. Daley, Shelton, Conn., assignor to The Sponge Rubber Products Co., Derby, Conn., a corporation of Connecticut
Application September 22, 1939, Serial No. 296,005
10 Claims. (Cl. 132—78.5)

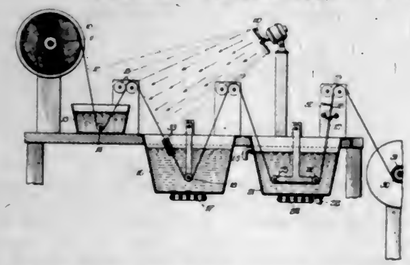


1. A sanitary powder puff comprising closed cell gas expanded soft rubber.

2,190,377
PROCESS FOR THE PRODUCTION OF KETO GULONIC ACID FROM SORBOSE
Otto Dalmer and Kurt Heyns, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 15, 1937, Serial No. 153,760. In Germany July 18, 1936
8 Claims. (Cl. 260—528)

1. The process which comprises reacting an aqueous solution of sorbose with oxygen and maintaining the hydrogen ion concentration conditions of that solution at approximate values represented by a pH of the order of about 6 to 11.

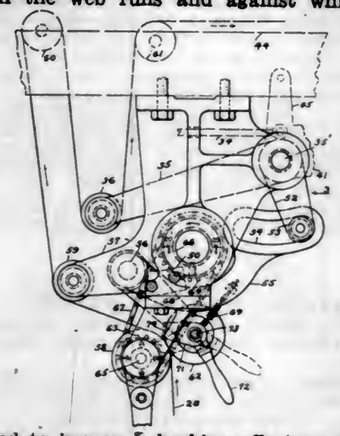
2,190,378
GAUZE BANDAGE
Joseph A. Hinkamp and Harry R. Brasel, Chicago, Ill., assignors to General Bandages, Inc., Chicago, Ill., a corporation of Illinois
Application July 13, 1936, Serial No. 90,346
3 Claims. (Cl. 128—156)



1. As a new article of manufacture, a soft porous self-adhering gauze bandage strip impregnated with de-proteinized rubber latex, said strip when looped upon and pressed against itself adhering to produce a self-secured bandage.

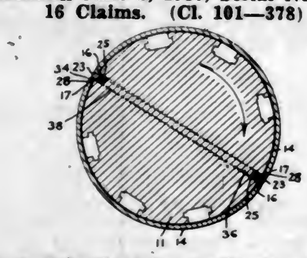
2,190,379
WEB TENSIONING MECHANISM
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 1, 1936, Serial No. 77,308
18 Claims. (Cl. 242—75)

5. In a web tensioning mechanism, a first rotatable member disposed in a loop in a running web and movable in response to variations in the web tension, a second rotatable member over which the web runs and against which it is



pressed to impose a braking effect on the web, and means actuated by movement of said first member to vary the degree of pressure of the web on said second member.

2,190,380
PLATE CLAMPING MECHANISM
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 2, 1937, Serial No. 145,964
16 Claims. (Cl. 101—378)



1. In a plate clamping mechanism adapted to engage the straight edges of a pair of substantially cylindrical plates to hold the plates firmly against the surface of a cylinder, a pair of fixed members spaced apart circumferentially of the cylinder, one clampingly engaging one straight edge of each plate, a pair of movable members spaced apart circumferentially of the cylinder, one clampingly engaging the other straight edge of each plate, means passing through the cylinder to connect said movable members, and means to bias each of the movable members to constantly urge them circumferentially about the cylinder and into engagement with the plate.

2,190,381
ARMATURE HINGE FOR RELAYS
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application April 28, 1932, Serial No. 608,037. Divided and this application December 30, 1936, Serial No. 118,334
3 Claims. (Cl. 175—345)

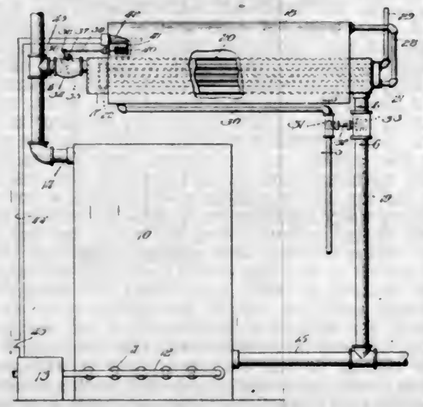
1. In a relay of the telephone type, a flux

member having a substantially square cut, free end, an elongated armature bent on itself to form substantially a right angle and having a relatively wide inner face adjacent the said free end and formed of relatively thin material, a groove recessed in, and positioned transversely of, said face and extending from edge to edge, a relatively wide thin plane pivot plate carried by the



flux member and having one of its wide edges received loosely in the groove and projecting beyond said free end to thus space the armature from the flux member, flat plane holding means passing around the outer face of the armature adjacent the groove, and means for fixing the holding means relatively to said pivot plate, whereby to hold the pivot plate in the armature groove.

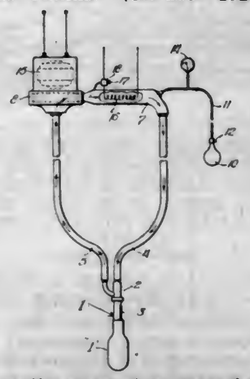
2,190,382
HEATING SYSTEM
Robert E. Moore, Park Ridge, Ill.
Application July 9, 1937, Serial No. 152,696
18 Claims. (Cl. 237—19)



1. A heating system comprising in combination, a boiler, a conduit connected to the boiler to contain water substantially at boiler temperature, a tank in which the conduit is submerged, a water heater submerged in the conduit having its inlet connected to the tank and its outlet connected to a service fixture, a cold water supply pipe connected to the tank, and interconnected circulating means in the supply pipe and conduit responsive to the water pressure in the supply pipe when a service fixture is opened.

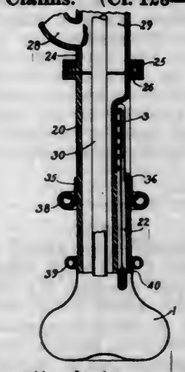
3. A heating system comprising in combination, a boiler, a preheating tank adapted for connection to a cold water supply, a conduit connected to the boiler to contain water substantially at boiler temperature and submerged in the tank to thermogravitational'y preheat the water therein, a water heater submerged in the conduit having its inlet connected to the tank and its outlet connected to a service fixture, and an air cushion tank connected to the boiler and surrounding the preheating tank, the preheating tank being located adjacent the top of the air tank and at least partially within the dead air space above the water in the air tank.

2,190,383
THERAPEUTIC APPARATUS
Louis B. Newman, Chicago, Ill.
Application August 29, 1936, Serial No. 98,437
15 Claims. (Cl. 128—401)



1. Therapeutic apparatus comprising an airtight flexible applicator, means for moving a gas through the applicator, and means for changing the pressure of the gas in the applicator.

2,190,384
THERAPEUTIC BAG
Louis B. Newman, Chicago, Ill.
Application July 6, 1937, Serial No. 152,006
6 Claims. (Cl. 128—400)

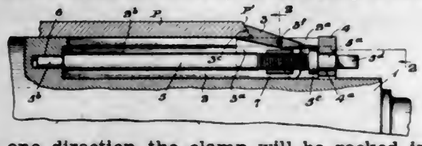


3. A therapeutic device comprising an applicator head including a tube and a relatively elastic sheath tensioned around said tube and having a leak-proof fixed connection with said tube around the periphery of the sheath at the end of the sheath that is farthest from the end of the head, and an elastic membranous applicator bag having a neck detachably elastically and intimately fitted about said tube and within the unconnected part of said sheath and engaging said tube substantially to the juncture of said tube and sheath and pressed towards said tube by said sheath.

2,190,385
PLATE CLAMP FOR ROTARY PRINTING PRESSES
William P. V. Ross and Donald H. Mars, Battle Creek, Mich., assignors to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application February 4, 1939, Serial No. 254,737
21 Claims. (Cl. 101—378)

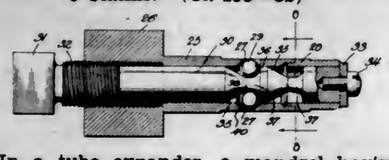
1. In combination with a plate cylinder having

a recess, a clamp having a plate engaging portion, said clamp being normally housed within the recess and slidably mounted therein; means engaging the clamp for moving same axially of the recess; and means whereby as the clamp is moved



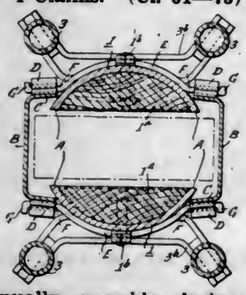
in one direction the clamp will be rocked in a plane parallel with the axis of the cylinder to partly project same out of the recess, and when the clamp is moved in the other direction the clamp will be retracted within the recess.

2,190,386
EXPANDER TOOL
Albert J. Scholtes, Baltimore, Md., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 1, 1938, Serial No. 238,275
5 Claims. (Cl. 153—82)



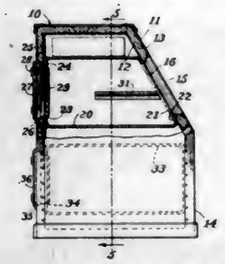
1. In a tube expander, a mandrel having a socket opening in its side and adapted for insertion in a tube, a ball seated in the opening, means for advancing the ball outwardly in the opening for expanding the tube, and a circumferential spring seated in the interior surface wall of the mandrel across one side of the opening thereof and engaging the side of the ball to yieldingly retain the ball in the socket opening when the ball is retracted.

2,190,387
DEVICE FOR DRIVING BOARDS, PLANKS, OR THE LIKE INTO THE GROUND
John Earl Ransom Simons, Harlow, and Ethel Lillian Brice and Albert Brice, Stockport, England, assignors, by mesne assignments, to John Earl Ransom Simons, Harlow, Essex, England
Application August 23, 1938, Serial No. 226,344
In Great Britain August 26, 1937
4 Claims. (Cl. 61—73)



1. A manually operable device for driving planks, boards and the like into the ground comprising a guiding member closed at the top, and having two or more handles extending lengthwise of the guiding member so that it can be caused to slide up and down and operate as a hammer on the plank to be driven, said guiding member having diametrically aligned side openings to permit the sideways entry of or removal of the device from the plank or planks to be driven, and to enable lateral shifting of the device from one plank to another plank when the planks are arranged in rows.

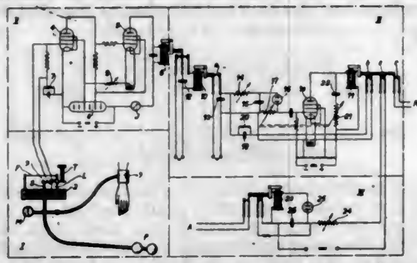
2,190,388
REFRIGERATOR
Roy E. Sparks, Sturgis, S. Dak.
Application June 27, 1939, Serial No. 281,479
3 Claims. (Cl. 62—89.5)



1. A refrigerator of the class described including an insulating casing, a storage container for hydrated vegetables within the casing and sealed at its front and rear sides by the front and rear walls of said casing, the remaining sides of the container being spaced from the casing to provide therewith a closed air circulating passage extending around the container and out of contact with the interior of the container, said container having an opening in its rear side registering with an opening in the wall of the casing, an insulating door for closing said openings, and a refrigerating unit resting on the top of the container and having a bottom substantially coextensive in area therewith, said unit being formed to be traversed by the air circulating through said passage and cooperating therewith to cool the entire top of the container, the bottom of said unit being in conductive contact with the top of the container so as to cause an excessive accumulation of moisture being formed on substantially the entire area of the ceiling of the container, the arrangement being such that the condensed moisture accumulating on the ceiling of the container may drip onto the vegetables therein to retain and increase their moisture and warm air entering said container upon opening of said door becomes humidified so as to provide an ample supply of moisture being maintained within the container.

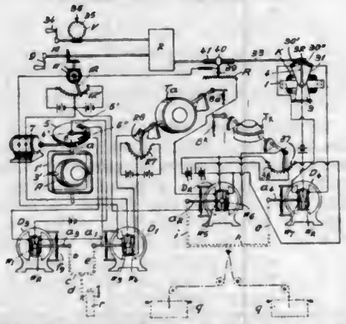
2,190,389
PROCESS AND APPARATUS FOR TAKING X-RAY PICTURES OF PARTS OF THE HUMAN BODY
Siegmund Strauss and Louis Weisglass, Vienna, Austria
Application July 7, 1937, Serial No. 152,410
In Austria July 8, 1936
20 Claims. (Cl. 250—65)

1. A method of making X-ray pictures of parts of the human or animal body on films sensitive to X-rays, comprising making a plurality of exposures of short duration on a single film sensitive to X-rays in immediate succession during corresponding phases of successive heart movements, the moment of the individual exposures being controlled by the heart-action itself by detecting body impulses dependent on the heart action, converting said impulses into electric impulses, actuating the X-ray machine in response to said electric impulses, and delaying



the actuation of the X-ray machine after the occurrence of each of said electric impulses until the desired phase of the heart movements occurs.

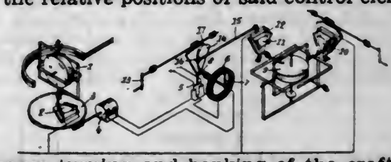
2,190,390
AUTOMATIC STEERING DEVICE FOR AIRCRAFT
Johannes Thiry, Berlin-Sudende, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application April 9, 1938, Serial No. 201,163
In Germany April 9, 1937
11 Claims. (Cl. 244—77)



1. An automatic control device for aircraft and the like, comprising gyroscopic means for controlling said craft about one axis thereof, gyroscopic means for controlling said craft about a second axis thereof at right angles to said first axis, means responsive to the rate of turn of said craft about said first axis for producing a force to modify the control about said axis, means responsive to the rate of turn about said second axis for producing a force to modify the control about said second axis, means producing a force in opposition to the control force of said first responsive means and proportional to the rate of turn of said craft about said first axis, and means producing a force in opposition to the control force of said second responsive means and proportional to the product of the rate of turn about said first axis and a sine function of the angle of bank.

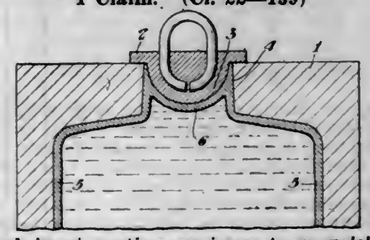
2,190,391
AIRCRAFT CONTROL
Johannes Thiry, Berlin-Sudende, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application April 14, 1938, Serial No. 202,049
In Germany April 16, 1937
8 Claims. (Cl. 244—76)

1. In a control device for aircraft, the combination with directional and horizon gyroscopes and control elements therefor, of means operable at will for continually and simultaneously shifting the relative positions of said control elements



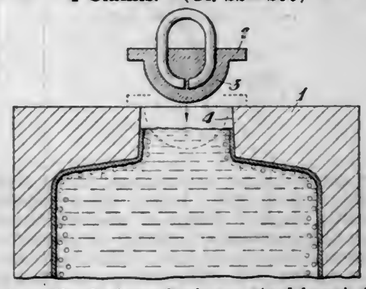
to cause turning and banking of the craft, and means for modifying the relative proportions of said shifting in proportion to the speed of the craft.

2,190,392
INGOT CAP
Harvey Ross Belding, Sharpsville, Pa.
Application June 16, 1938, Serial No. 214,098
1 Claim. (Cl. 22—139)



Steel ingot casting equipment comprising an ingot mold having a round opening in its top and an ingot cap for capping steel cast in said mold and exposed by said opening, said cap having a portion for engaging the top of said mold to restrict the entrance of said cap through said opening and having a downward hemispherical steel contacting bottom extending down through said opening when said portion engages said top, said bottom being of such diameter as compared to the diameter of said round opening as to leave an annular space between the side of said bottom and the inside edge of said round opening into which the steel may be displaced by said bottom dipping into the steel when it is cast into said mold, adjacent portions of said bottom and said inside edge of said opening approaching parallelism.

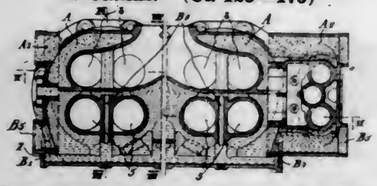
2,190,393
METHOD OF PRODUCING CAPPED STEEL
Harvey Ross Belding, Sharpsville, Pa.
Application June 16, 1938, Serial No. 214,099
4 Claims. (Cl. 22—200)



1. A method of producing a steel ingot, including casting an effervescing steel into an ingot mold, the steel being oxidized to a degree preventing it from appreciably rising or falling in the mold after its casting, the effervescing of

the steel being controlled by dipping a heat absorbing body into the top level of the steel while this top level is molten throughout, the body providing a space between it and the inside of the mold and displacing the molten steel into this space to form a ridge of sufficient thinness to freeze substantially immediately so as to effect complete stoppage of the effervescing of the steel.

2,190,394
COOLING SYSTEM FOR PISTON ENGINES
Louis Birkigt, Versoix, near Geneva, Switzerland
Application December 28, 1938, Serial No. 248,131
In Belgium February 11, 1938
17 Claims. (Cl. 123—173)



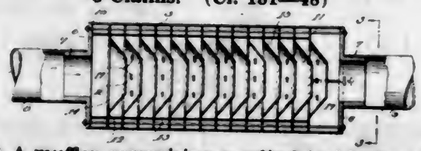
7. In an internal combustion engine including a plurality of cylinders forming at least one bank of cylinders, and pistons movable in said cylinders respectively, a head common to all of said cylinders, inlet valves for said cylinders located in said head all on one side of said bank of cylinders, exhaust valves for said cylinders located in said head all on one side of said bank of cylinders opposed to the side on which said inlet valves are located, ignition plug supporting bosses carried by said cylinders near said inlet and outlet valves respectively, at least one air cooling circuit formed in said head, and at least two liquid cooling circuits formed in said head and distinct from each other over at least a portion of their path, one of said liquid cooling circuits including a main conduit running longitudinally of said bank of cylinders on the side thereof corresponding to said exhaust valves and passages extending from said conduit to the other side of said head so as to pass near the bosses corresponding to the inlet valves.

2,190,395
COMBINED HEAD AND ARM REST
George F. Brady, Honolulu, Territory of Hawaii
Application May 24, 1938, Serial No. 209,799
4 Claims. (Cl. 155—174)



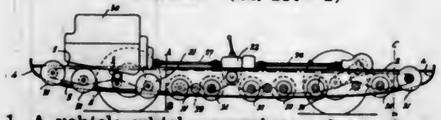
1. In combination, a U-shaped lower frame, a similarly shaped upper frame telescopically engaged with the first frame, a head on the upper frame, a link member adjustably connected to the head, means for securing the link in adjusted position, a second link adjustably connected to the first link, a head rest adjustably connected to second named link and arm members on the lower frame, said arms having contractible collars embracing the sides of the lower frame to secure the upper and lower frames together.

2,190,396
MUFFLER
Roy L. Brooks, Costa Mesa, Calif.
Application March 24, 1939, Serial No. 264,020
3 Claims. (Cl. 181—48)



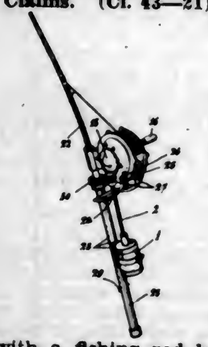
3. A muffler comprising a cylindrical body, nipped end heads at opposite ends thereof, tie rods passing through the cylindrical body and connecting the said end heads, a plurality of baffles fitting the tie rods and having perforated funnels registering with each other, the funnels of alternate baffles being perforated spacers between the baffles for the spacing thereof relative to each other, and means engaged with one end head and active upon a baffle adjacent thereto to hold the same in their spaced assembled relation to each other.

2,190,397
VEHICLE
Ettore Bugatti, Molsheim, Bas-Rhin, France
Application May 12, 1937, Serial No. 142,272
In France May 13, 1936
11 Claims. (Cl. 180—1)



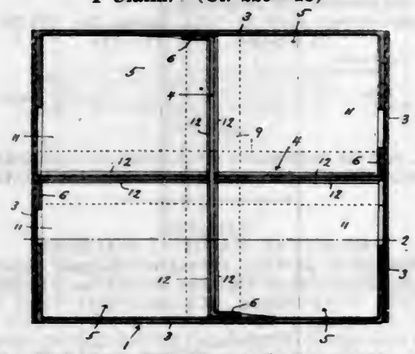
1. A vehicle which comprises a frame including side-members having wide, exposed lower surfaces adapted to form auxiliary ground bearing surfaces; normal ground bearing wheels revolubly mounted on the frame; a multiplicity of auxiliary ground bearing rollers revolubly mounted on the frame, having their operative surface in raised position with respect to the operative surface of the normal ground bearing wheels; and means supported by the frame for driving the rollers for propelling purposes.

2,190,398
REEL FOR FISHING
Ettore Bugatti, Molsheim, Bas-Rhin, France
Application August 23, 1937, Serial No. 160,552
In France October 31, 1936
3 Claims. (Cl. 43—21)



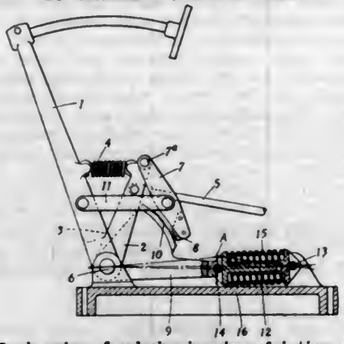
2. For use with a fishing rod having a reel provided with a spool driving member, a rod supporting and spool driving device forming a unit in itself, which comprises a tubular casing for detachably accommodating therein the butt end of said rod, a motor carried by said casing, and coupling means for operatively connecting said spool driving member and said motor, said coupling means being permanently connected with said member and adapted for detachable connection with said spool driving member.

2,190,399
CHICK BOX
Henry S. Burnham, Clinton, Mo.
Application January 30, 1939, Serial No. 253,658
1 Claim. (Cl. 229—15)



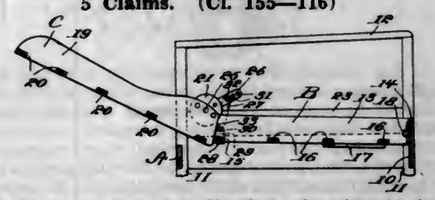
A chick box including a bottom and walls rising from said bottom, and crossed partitions mounted in the box, said partitions terminating in right angular extending end portions engaged with the walls, each partition being laminated and comprising a corrugated intermediate sheet and plane outer sheets mounted on said intermediate sheet, said outer sheets comprising integral flaps on their lower edges extending horizontally in opposite directions on the bottom of the box, said flaps terminating at the angularly extending end portions of the partition.

2,190,400
SPRING-CONTROLLED MECHANISM
George Carwardine, Bath, England, assignor of one-third to Herbert Terry & Sons Limited, Redditch, England, a company of Great Britain
Application October 14, 1937, Serial No. 169,014
In Great Britain October 31, 1936
15 Claims. (Cl. 188—167)



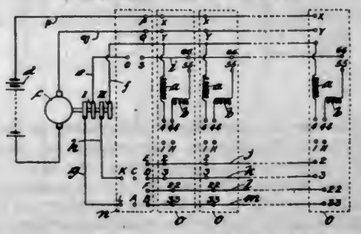
1. Mechanism for bringing two friction surfaces into engagement, increasing the pressure between the surfaces when in engagement, and subsequently separating the surfaces, said mechanism comprising in combination, an operating element, a force-transmitting member adapted to be operatively connected to one of the friction surfaces and operatively connected to said operating element so as to be moved by a force applied to said operating element to bring the friction surfaces into engagement, a gripping mechanism connected to be operated by movement of said operating element relatively to said force-transmitting member when resistance to the movement of the latter is set up by engagement of the friction surfaces, and a servo spring arranged to be rendered effective, upon further movement of said operating element, to act through said gripping mechanism and to expend energy on said force-transmitting member in association with the force applied to said operating element to force the surfaces tightly together.

2,190,401
CHAIR
Howard Don Croy, Marshall, Mich.
Application February 21, 1939, Serial No. 257,759
5 Claims. (Cl. 155—116)



2. In a chair, a vertically swingable seat a vertically swingable back, turning wheels supported adjacent the juncture of the seat and back and having fixed connection with said back, crank arms fixed with the wheels and having linkage connection with said seat, means for adjustably connecting the linkage with said crank arms, and a supporting frame swingably carrying the seat and having bearing surfaces supporting the said wheels.

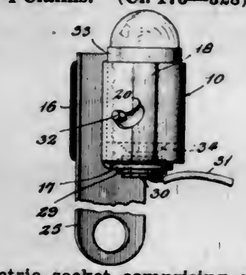
2,190,402
ELECTRICAL CONTROL SYSTEM
Thomas Curzon, London, England, assignor to J. Stone & Company, Limited, Deptford, England, a company of Great Britain
Application November 22, 1938, Serial No. 241,865
In Great Britain January 6, 1938
10 Claims. (Cl. 172—179)



4. In combination with a series of two-phase alternating current electric motors arranged for "four-wire" supply, particularly for operating window blinds, an electrical control system for said motors comprising a master switch-device, a series of local switch-devices each associated with a respective motor, one wire of each supply phase being divided into two at the master device so that there are six wires which are extended from the said master device to the local devices and one wire of each divided phase serves for motor-energizing circuits prepared in the local devices

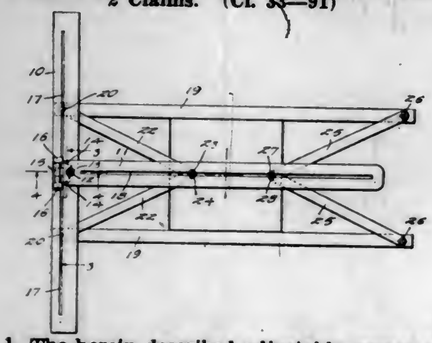
in their normal positions and completed in the master device in its actuated position whilst the other wire of each divided phase serves for motor-energizing circuits prepared by the master device in its normal position and completed in any local device in its actuated position.

2,190,403
BAYONET TYPE LAMP SOCKET
Albert J. Foute, Chicago, Ill.
Application March 30, 1938, Serial No. 198,995
4 Claims. (Cl. 173—328)



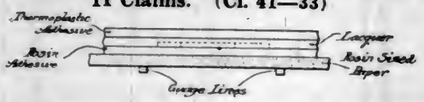
1. An electric socket comprising a cylindrical shell having a free longitudinal edge, a disk-like member at one end and integral with the shell, said disc-like member having a contact, said disc-like member normally extended in an upwardly inclined plane with respect to the adjacent edge of the shell and said shell having slots for reception of pins of a lamp bulb base for securement of the lamp bulb therein.

2,190,404
COMBINATION TAPER SQUARE
James I. Hastings, Murfreesboro, Tenn.
Application March 7, 1938, Serial No. 194,466
2 Claims. (Cl. 33—91)



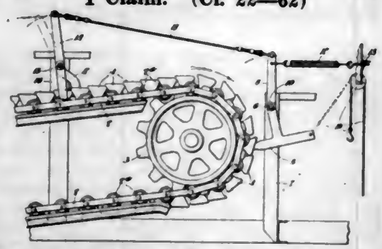
1. The herein described adjustable square and taper measuring device, comprising an elongated straight-edged base member having guide means extending lengthwise thereof on opposite sides of its middle portion, a blade member extending perpendicularly from the middle portion of said base member, said base member and blade member constituting a T-square, the blade member having longitudinal guide means extending continuously from end to end thereof, a pair of longitudinal straight-edged side bars located respectively on opposite sides of said blade member and adjustably connected together at their opposite ends by opposed pairs of equalizing bars, the equalizing bars of each pair being pivotally attached at one end to said side bars and pivotally joined together at their opposite ends and being adjustably secured at the jointure in the longitudinal guide means of said blade member, said longitudinal side bars and the equalizing bars of one pair being adjustably engaged at their respective places of attachment in the guide means of said base member, whereby said side bars may be adjusted and placed in equalized but variably distanced parallel and inclined relation to said blade member, at will.

2,190,405
DECALCOMANIA
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware
Application July 25, 1938, Serial No. 221,221
11 Claims. (Cl. 41—33)



1. A heat-responsive decalcomania comprising a rosin-sized paper, and a rosin imprint thereon.

2,190,406
PIG-METAL CASTING MACHINE
Howard A. Jackson, Cleveland Heights, Ohio
Application June 10, 1938, Serial No. 213,062
1 Claim. (Cl. 22—62)



In a pig-metal casting machine, the combination with a continuous mold conveyor consisting of a series of pig molds disposed on two sets of spaced apart rollers, of a laterally extending shaft fixedly mounted adjacent the pig discharging end of said conveyor, a pair of hammers movably arranged on said shaft which is adapted to impart a blow to the pigs in the molds to loosen the same, an outwardly extending lever associated with each of said hammers, a pair of vertically disposed levers pivotally mounted intermediate their ends above said conveyor with one of said levers positioned opposite each set of rollers, each of said levers having the lower end thereof positioned in the path of said rollers with the lower end of one of said levers being offset relative to the other, a spring associated with each of the levers associated with said hammers for actuating the same, and means interconnecting the upper end of each of the vertically disposed levers and each of the respective hammer levers whereby said rollers actuate said vertically disposed levers intermittently to alternately load each of said springs which in turn actuate the hammers alternately so that each of said hammers imparts a blow against the pigs in alternate molds to loosen the same therein.

2,190,407
SAND PUMP
Clifford Clay King, Kilgore, Tex.
Application December 19, 1938, Serial No. 246,695
2 Claims. (Cl. 166—19)

1. In a sand pump, a casing having openings through which material passes therefrom, a plunger operating within the casing and including a plunger rod, a cup-shaped member secured to the plunger rod and having its open side disposed upwardly, the wall of said cup-shaped



member tapering inwardly towards the lower end thereof, an elongated weight secured to the pump rod below the cup-shaped member and adapted to balance the movements of the plunger, and means for controlling the passage of material into the casing under the action of the plunger.

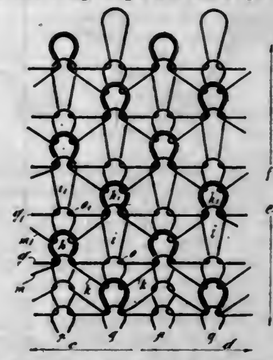
2,190,408
COMBINATION CIGARETTE PACKAGE AND MATCHES
Weston Lowe, Blackfoot, Idaho
Application November 12, 1938, Serial No. 240,132
2 Claims. (Cl. 206—48)



1. A cigarette package matches containing attachment comprising a strip of material adapted to be disposed around a cigarette package and being divided to form a flap, banks of matches on the inside of the strip at the opposite sides of the cigarette package and means on the inside of the strip for securing the strip to the cigarette package, said banks of matches being secured to the strip by clips, said securing means consisting of a U-shaped spring member adapted to straddle a portion of the cigarette package and being disposed through the said clips.

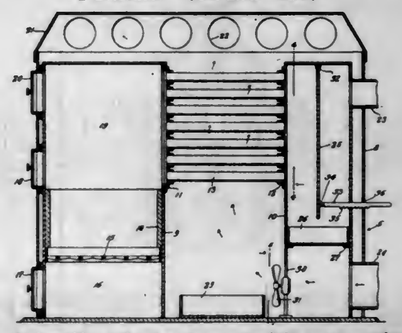
2,190,409
NONRAVELING KNITTED FABRIC
Karl Maier, Meaux, France
Application April 12, 1937, Serial No. 136,411
In France April 11, 1936
5 Claims. (Cl. 66—169)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A nonraveling knitted fabric including a plurality of successive horizontal courses of loops forming vertical wales, in which fabric at least some courses include, at least in some of their loops, two yarns, a long yarn and a short yarn, the long yarn forming in each of said last mentioned courses, alternately from one wale to the next one, a short loop corresponding to the height of one course and a long loop corresponding to the height of at least two courses, and the loops of long yarns in each vertical wale being alternately a long loop and a short loop, in such manner that the long loops are arranged in staggered



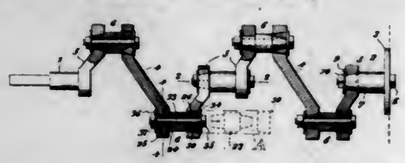
relationship, the short yarn forming alternately in one wale a short loop superposed to a short loop of the long yarn, then, in the next wale and the preceding course, a short loop interposed, in the vertical direction, between a short loop and a long loop of long yarns, these second mentioned short loops of short yarn being adapted to retain and fix the long loops of long yarn, whereby raveling is prevented.

2,190,410
AIR FURNACE
Clifton Mallory, Auburn, N. Y.
Application October 3, 1938, Serial No. 233,102
4 Claims. (Cl. 126—108)



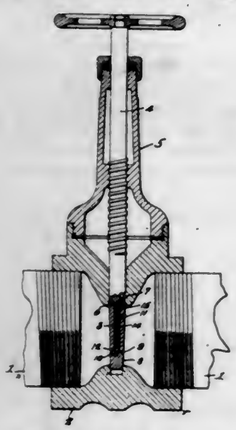
1. A heating furnace comprising an external shell, a pair of internal shells mounted within the external shell, a fire box in one of the shells, a vertically mounted baffle plate in the other shell, said baffle plate being hingedly secured at its upper end to the upper portion of the corresponding shell, a plurality of products of combustion conveying tubes extending from the fire box containing shell to the baffle plate containing shell, the lower free end portion of the baffle plate depending in the corresponding internal shell to a point below the lowermost products of combustion conveying tubes, said baffle plate containing shell having an outlet at its upper portion and at the opposite side of the baffle plate from the said products of combustion conveying tubes.

2,190,411
SECTIONAL CRANKSHAFT
Thomas E. Mattison, Northfield, Minn., assignor of twenty-five per cent to Berman G. Kielmeyer, and fifteen per cent to Albert J. St. Martin, both of Faribault, Minn.
Application March 14, 1939, Serial No. 261,827
3 Claims. (Cl. 74—597)



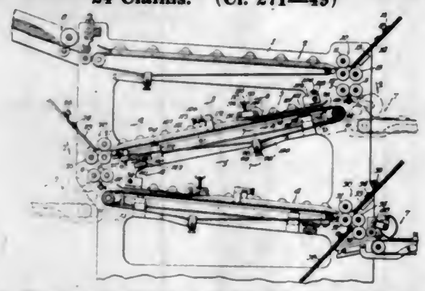
1. In a sectional crankshaft, the combination of a pair of contiguous crank arms, one of said crank arms provided with a small socket and the other crank arm provided with a large socket, a journal sleeve having a portion closing said small socket, said journal sleeve also having a portion extending into the large socket, means fastening said journal sleeve upon said crank arms, and said journal sleeve being adapted to bodily move out of said small socket and entirely through said large socket for removal of said crank arms.

2,190,412
PIPE LINE PRESSURE NEUTRALIZER
Paul E. McMurry, Concordia, Kans.
Application August 8, 1939, Serial No. 289,063
1 Claim. (Cl. 277—54)



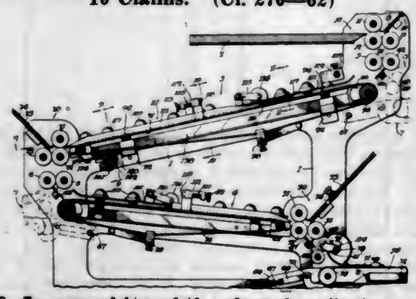
Pressure release mechanism comprising a valve casing, a gate valve slidable in the casing and having a longitudinal bore, there being a valve seat at one end of the bore, the gate valve having oppositely-opening ports, one of which communicates with the bore, by way of the valve seat, a check valve in the bore and cooperating with the seat, a closing spring for the check valve and located in the bore, one end of the spring cooperating with the check valve to hold it yieldably in closed position, an adjuster movably mounted in the bore and cooperating with the opposite end of the spring, and means for operating the valve, said means being assembled with the gate valve for displacement relatively to the gate valve, at the will of an operator, said means guarding the adjuster and rendering it inaccessible until the aforesaid displacement is accomplished.

2,190,413
FOLDING MACHINE
William Ward Davidson, Evanston, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application May 2, 1938, Serial No. 205,571
24 Claims. (Cl. 271—49)



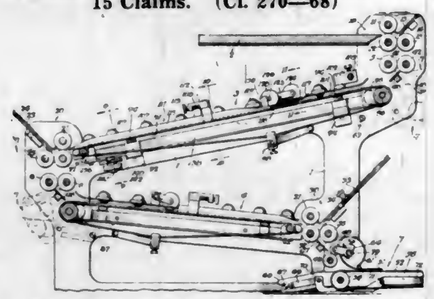
1. In a machine of the kind described, a conveyor comprising two parallel spaced conveyor rolls, a conveyor belt trained around the rolls and shiftable along said rolls, means mounting the rolls whereby they can be inclined relatively to the normal line of travel of articles on the conveyor to cause the belt to urge articles either toward the right or toward the left as they progress along the conveyor, guides adapted to be arranged at the side of the conveyor toward which the articles are urged, a stationary plate extending between the rolls for supporting the belt, the guide having a flat extension at its lower edge extending out over the stationary plate.

2,190,414
FOLDING MACHINE
William Ward Davidson, Evanston, and William Ward Davidson, Jr., Niles Center, Ill., assignors to Davidson Manufacturing Corporation, a corporation of Illinois
Application May 2, 1938, Serial No. 205,570
10 Claims. (Cl. 270—62)



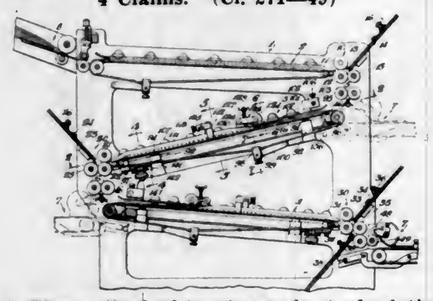
9. In a machine of the class described, a series of folding units including a first folding unit, second and third folding units arranged so that one is capable of folding the sheet forwardly and the other is capable of folding the sheet rearwardly, means for optionally deflecting the sheet past one or the other of the second and third folding units, and conveyor and turning means interposed between the first and second folding units for conveying the sheet to the second folding unit without turning it, or turning the sheet through an angle of 90° in either direction, said conveyor and turning means including a side guide and a conveyor having diagonally-moving sheet engaging means, portions of which are disposed longitudinally of the conveyor and are spaced a substantial distance away from the side guide whereby sheets initially widely spaced from the side guide will be urged throughout substantially their entire length by said diagonally-moving means toward said guide and into registry therewith.

2,190,415
FOLDING MACHINE
William Ward Davidson, Evanston, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application August 9, 1937, Serial No. 158,100
15 Claims. (Cl. 270—68)



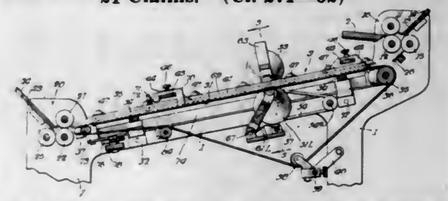
1. A folding machine adapted to make optionally a single fold, parallel folds, or right-angle folds, comprising a conveyor table, a folding unit at each end of the table, optionally effective sheet turning means associated with the table and positioned between the folding units, means between the first folding unit and the table for optionally causing a sheet from the folding unit to pass to the table or in a different direction, and a stacking unit optionally secured adjacent either of the folding units for receiving the sheet directly from said last named means or from the second folding unit.

2,190,416
FOLDING MACHINE
William Ward Davidson, Evanston, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application June 4, 1938, Serial No. 211,852
4 Claims. (Cl. 271—49)



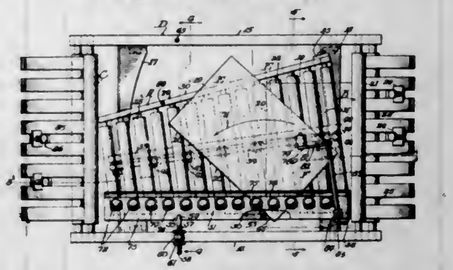
1. The method of turning a sheet of relatively light material through an angle of substantially 90° as it is being moved by a conveyor in a substantially horizontal plane, which consists in permitting the leading edge of the sheet, adjacent to one corner, to strike a positive stop, and then, after the sheet begins to turn about the stop by the continued action of the conveyor, and while the leading edge of the sheet is still in contact with the stop, apply an increased turning force to the rotating sheet and concurrently therewith supporting the sheet on a surface which permits the light weight sheet to turn without becoming caught and which surface is further characterized by the absence of any shoulder that is capable of catching or fouling the corner of the sheet that is diagonally opposite the stop while said corner is moving laterally away from the stop during the turning movement of the sheet, whereby the sheet is assured of making a complete turn but by reason of the relatively lighter force with which the sheet strikes the stop, the danger of buckling the sheet at the stop is minimized.

2,190,417
FOLDING MACHINE
William Ward Davidson, Jr., Niles Center, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application July 5, 1938, Serial No. 217,423
21 Claims. (Cl. 271—52)



1. A sheet conveyor and turning mechanism comprising a substantially horizontal table, parallel rollers at opposite ends of the table set at an angle with respect to the transverse axis of the table, a conveyor tape operating between said rollers and biased with respect to the longitudinal axis of the table, conical rolls intermediate the ends of the table adapted to rotate a sheet carried by the conveyor through an angle of approximately 90°, a side guide positioned between the conical rolls and the delivery end of the table, said biased conveyor tape operating to convey the sheet to the conical rolls and carry it from the conical rolls and to urge the turned sheet against the guide.

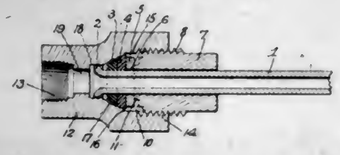
2,190,418
SHEET CONVEYER
William Ward Davidson, Evanston, and Alfred Anderson, Chicago, Ill., assignors to Davidson Manufacturing Corporation, a corporation of Illinois
Application February 24, 1936, Serial No. 65,372
Renewed August 17, 1939
5 Claims. (Cl. 271—52)



1. A substantially horizontal sheet conveyer adapted to receive sheets at one end and deliver them at its directly opposite end, sheet turning mechanism associated with the conveyor capable of being arranged to turn conveyed sheets through ninety degrees either to the right or to the left as may be desired, a sheet guide toward

which the sheets are turned and arranged at an angle to the uncontrolled line of travel of the sheets on the conveyer so that the turned sheets will be carried into contact with the guide, an associated machine to which the conveyer is adapted to deliver the sheets, the conveyer having a frame which is narrower at its delivery end than at its entrance end and movable so as to cause the guide to properly direct the sheets to the associated machine whether the guide is at the right or the left side thereof, the narrowed end of the frame minimizing the necessary clearance space between the conveyer and the associated machine.

2,190,419
PIPE JOINT
Ralph E. Evarts, Chicago, Ill., assignor to The Bastian-Blessing Co., Chicago, Ill., a corporation of Illinois
Application July 19, 1937, Serial No. 154,473
1 Claim. (Cl. 285—166)



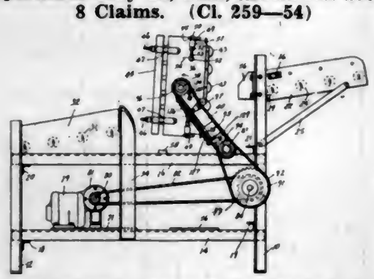
In combination in a pipe joint, a hollow receiving member shaped interiorly to provide a packing seat, a pipe inserted within said receiving member, a fastening nut positioned about said pipe and in threaded engagement with said receiving member, and a sealing member of relatively compressible material positioned about said pipe between said nut and said packing seat and in sealing contact with the pipe and with the seat, the end of said pipe which lies within said receiving member being flared to a size which prohibits the removal over it of the sealing member and the fastening nut.

2,190,420
CALF FEEDER
Laurence D. Frederick and Oscar T. Bloom, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 23, 1937, Serial No. 181,412
1 Claim. (Cl. 119—71)



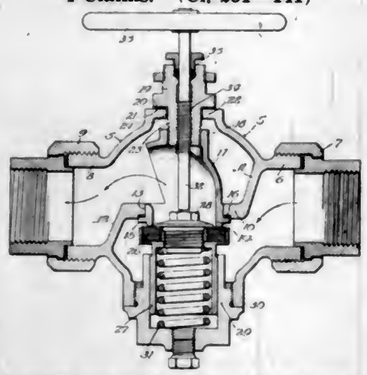
In a feeding device, a vessel having an opening therein, a nipple having an apertured end and an open end, the nipple at its open end being provided with an annular shoulder, a plug having end faces and a communication orifice therebetween inserted within the open end of the nipple, an expansible ring circumferentially securing the nipple adjacent the shoulder about the plug and means securing the nipple within the vessel opening comprising a ring having annular flanges between which is pressed the continuous edge adjacent the vessel opening and having a pressed circumferential fit about the nipple at a point between the ends of the plug.

2,190,421
MIXING MACHINE
Curtis W. Gibbs, Fort Worth, Tex., assignor, by direct and mesne assignments, to Bottlers Equipment Company, Fort Worth, Tex., a corporation
Application July 18, 1938, Serial No. 219,758
8 Claims. (Cl. 259—54)



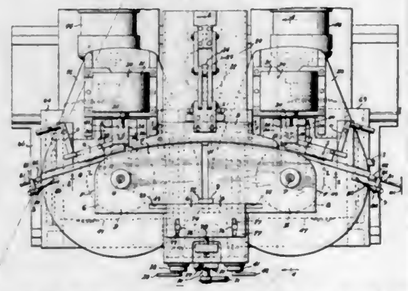
1. In a mixing machine for bottled goods, a container adapted to receive a case of said goods, said container having opposite ends open for reception and discharge of a case, latch means at each of said open ends for retaining said case therein, means for moving said container to a case receiving position, latch engaging members operating the latch means at one end of said container when the same has reached said receiving position to permit entrance of a case thereto, means for thereafter moving the container to a case discharge position and for rotating the same in transit, and latch engaging members operating the latch means at the other end of said container when the same has reached said discharge position to permit discharge of said case.

2,190,422
VALVE
Herbert Hansen, Oak Park, Ill., assignor of one-half to Refrigerating Specialties Co., Chicago, Ill., a corporation of Illinois
Application February 12, 1938, Serial No. 190,147
4 Claims. (Cl. 251—141)



1. A valve comprising in combination a casing provided with a fluid inlet and an outlet, a cross-wall in the casing disposed between the inlet and the outlet and having an opening therein, an annular valve-seat fitting in said opening and having a flange at, and in engagement with, the inlet side of said cross-wall, a curved directional flow controlling wall connected rigidly to the seat and extending from the latter into the outlet side of the casing in such manner as to direct the fluid from the seat through the outlet, means extending between the curved wall and the adjacent portion of the casing for drawing the seat into clamped engagement with the cross-wall, a valve member for engaging the seat and controlling the flow of fluid from the inlet through the opening in the cross-wall opening into the outlet, and means for shifting the valve member.

2,190,423
WINDSHIELD FRAME BENDING MACHINE
Axel Edwin Henricson, Walnut Lake, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application December 6, 1937, Serial No. 178,423
9 Claims. (Cl. 153—46)

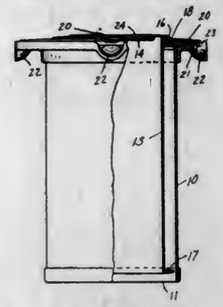


2. In a machine for bending a strip of stock to a predetermined longitudinal contour, a form having sections supported for movement toward and away from each other and cooperating in one relative position to provide the form with a side surface corresponding in shape to said predetermined longitudinal contour, a member overlapping the adjacent edges of said sections to provide a continuous support for the strip of stock, a shoe movable as a unit with each section of the form and supported in the plane of the form, yieldable means movable as a unit with each section for urging the shoes in a direction toward the form to clamp a strip of stock against the form, and means for rotating the shoes relative to the form to bend the strip of stock around portions of the side surface of the form.

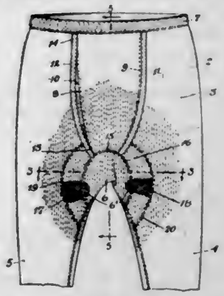
8. In a machine for bending a strip of stock to a predetermined longitudinal contour, a form corresponding in shape to said predetermined longitudinal contour and having a portion of its side surface grooved to correspond to the cross sectional contour of the strip of stock, a support, a shoe mounted upon said support and having one side surface grooved to correspond to the cross sectional contour of the strip of stock, hydraulic means mounted upon said support and arranged to urge one end of said shoe toward said form, a clamp mounted upon said support and arranged to move the opposite end of said shoe toward said form, and means for moving said support relative to said form whereby said shoe is moved along a portion of the side surface of said form to bend the strip of stock to the predetermined longitudinal contour.

2,190,424
CEMETERY VASE
Myron E. Hunt, Indianapolis, Ind.
Application April 18, 1938, Serial No. 202,681
6 Claims. (Cl. 47—41)

1. A cemetery vase having a casing adapted to be sunk into the ground, an outwardly extending flange formed about the top of said casing having a drainage groove and spout associated therewith, a removable and reversible vase open at one end and closed at the other adapted to be mounted within said casing, outwardly extending flanges formed on opposite ends of said vase, and a supporting ring slidably mounted about said vase movable between said flanges for suspending said vase in spaced relation to said casing from either end thereof, said ring having an outwardly and downwardly sloping drainage surface for draining water from about said vase onto the flange of said casing.

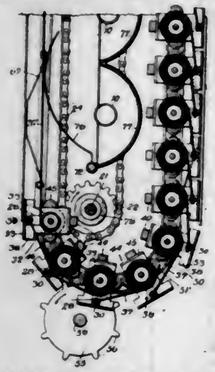


2,190,425
UNDERWEAR
William Hurd, Troy, N. Y., assignor to Wright's Underwear Company, Inc., New York, N. Y., a corporation of New York
Application March 4, 1939, Serial No. 259,755
2 Claims. (Cl. 2—224)



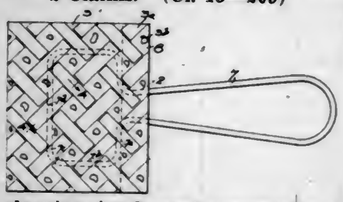
2. Textile woolen drawers having a body, an inserted crotch piece and leg members formed of knit fabric positioned so that the wales of the body and leg members extend substantially longitudinally of the garment, a crotch reinforcing member of knit textile fabric formed of material appreciably less permanently deformable than wool when moist, said crotch reinforcing member being arranged interiorly and underlying parts of said body and leg members positioned so that the wales will be substantially parallel to the wales of the drawers, said crotch reinforcing member being substantially U-shaped with the center part removed and two lines of stitching for securing the respective edges of the reinforcing member in position, the inner line of stitching being substantially a continuation of the inside seam of the drawers and acting to connect said crotch piece and inner edges of the crotch reinforcing member together and in functioning position in the garment while the outer line of stitching is substantially arc-shaped and divided at the closed end of the U-shaped reinforcing member and acting to secure the outer edge of the U-shaped reinforcing member to parts of the body and leg members.

2,190,426
DISPLAY SIGN
Job Hutchinson, Great Neck, N. Y., assignor to Visual Merchandiser, Inc., New York, N. Y., a corporation of New York
Application April 1, 1939, Serial No. 265,431
6 Claims. (Cl. 40—84)



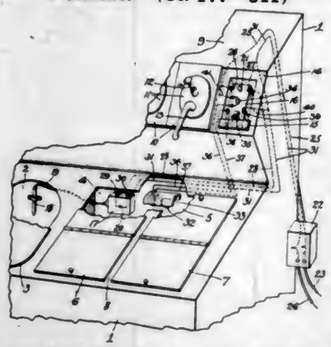
1. A display sign including a casing having a window, a pair of facing guideways arranged in said casing, there being one guideway on each side of said window, a plurality of sign groups having their ends slidably mounted in said guideways, each of said sign groups including a drum, a sign sheet having one end secured to said drum, a spring for normally rotating the sign sheet on the drum, means connecting the opposite end of the sign sheet to the next preceding group, means adjacent said window for preventing said sign groups from moving opposite said window, said means including a plurality of loosely rotatable rubber rollers positioned to engage part of the respective sign groups as they move to the lower end of said window, an endless chain for each of said guideways, each of said chains having a lug positioned to engage and force the respective sign groups past said rollers and also past said window whereby the sign sheets of the succeeding group will be displayed as the preceding sign group is moved by the lugs, and means for causing said chains to continually function while the sign is in use whereby the various sign groups will have their sign sheets displayed in succession opposite said window.

2,190,427
CLEANING IMPLEMENT
Axel A. Johnson, Holly, Mich.
Application July 1, 1938, Serial No. 217,093
2 Claims. (Cl. 15—209)



1. A cleaning implement comprising a sheet of rubber-like material folded upon itself centrally of its length whereby a shoulder is formed within the folded extremity of the sheet, means holding the adjacent faces of the folded sides of the sheet in contact with one another, the folded extremity of the sheet being apertured, a handle extending through said folded apertured extremity and projecting outwardly from the sheet, said handle projecting laterally between the folded sides of the sheet and bearing against said shoulder to prevent detachment of the handle through the apertured extremity.

2,190,428
CONTROL AND WARNING CIRCUIT
Herman K. Johnson, Grand Haven, Mich., assignor to The Bastian-Blessing Co., Chicago, Ill., a corporation of Illinois
Application March 10, 1937, Serial No. 129,974
2 Claims. (Cl. 177—311)

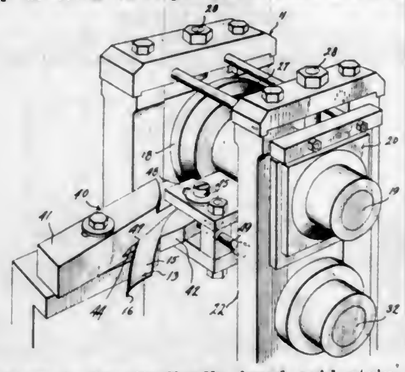


1. In combination in a material storage and dispensing apparatus, a storage assembly, a container in said assembly, means for cooling said container and a dispensing assembly, a plurality of dispensing devices in said dispensing assembly, said dispensing devices including manually operable parts and being grouped together, a control panel remote from said storage assembly, grouped with said dispensing devices and immediately adjacent to one of said manually operable parts and visible generally with them, an electric light on said control panel, a temperature responsive device associated with said container, an electrical circuit for said light and means actuated by said temperature responsive device and acting upon said electric circuit to affect said light upon the occurrence of unsatisfactory temperature conditions with said container, said electric light circuit being separate from said cooling means.

2,190,429
ROLLING MACHINE
Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application May 11, 1937, Serial No. 142,024
6 Claims. (Cl. 153—64)

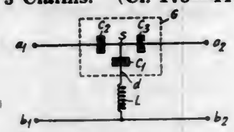
2. In a metal working machine, a bending unit having cooperating rolls supported for rotation about axes extending at an angle to each other and having cooperating surfaces both inclined with respect to the axes whereby the corresponding outer portions of the surfaces have a peripheral speed greater than the corresponding inner portions of said surfaces, means for introducing a strip of metal between said surfaces, and means for relatively adjusting the rolls to exert a differential pressure on portions of the strip spaced transversely thereof.

6. In a metal working machine, a bending unit having cooperating bending rolls provided with bearing surfaces both inclined with respect to the axes of the rolls and arranged so that the corresponding disposed portions of the bearing surfaces of the rolls have the same peripheral speed, means for introducing a strip of stock between the inclined surfaces of the rolls, means for relatively adjusting the rolls to exert a differential pressure on different portions of the strip of stock as it passes between the bearing



surfaces to longitudinally bend said strip, and guide means predeterminedly positioned with respect to the cooperating rolls to engage the strip as it passes from between the bearing surfaces of said rolls and adjustable to control the degree of curvature.

2,190,430
ELECTRIC FILTER
Karl-Heinrich Krambeer, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application July 26, 1938, Serial No. 221,341
In Germany September 11, 1937
3 Claims. (Cl. 178—44)



1. Electric filter comprising a series path containing a pair of condensers, a shunt path containing a condenser and an inductance, said condensers having a terminal in common, an individual shield for each condenser, and a common shield enclosing all said condensers.

2,190,431
X-RAY OPAQUE SPONGE
Edward F. Lewison, Chicago, Ill.
No Drawing. Application June 27, 1938, Serial No. 216,071
3 Claims. (Cl. 128—156)

2. In combination with a surgical gauze sponge, a radio opaque material interwoven therewith, said material comprising glass thread having a radio opaque substance incorporated therein.

2,190,432
SAUSAGE TREATING APPARATUS
Harry H. McKee, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Original application March 26, 1936, Serial No. 70,977. Divided and this application April 10, 1937, Serial No. 136,194
2 Claims. (Cl. 53—7)

1. A device of the class described comprising a tank adapted to carry a cooking liquid at a predetermined level and provided with heating means for maintaining the liquid at a predetermined temperature, an endless conveyor mounted within the tank providing a conveying surface beneath the level of the liquid, the conveying surface comprising a plurality of foraminous



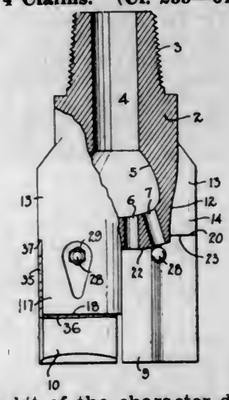
product carrying trays, and means for raising the conveying surface of the conveyor to a plane above the level of the liquid and for returning the conveying surface in a vertically inclined plane to discharge by gravity and at a point above the level of the liquid the product carried in the product carrying trays.

2,190,433
CONTAINER
Frank D. Palmer, Chicago, Ill., assignor of one-third to Cranston Spray, Chicago, Ill.
Application September 22, 1937, Serial No. 165,000
4 Claims. (Cl. 229—37)



1. A fastener for a folded container or the like having two edges to be secured together comprising a member carried by one edge having a curvilinear slot therein, a guide protuberance bounding one side of said slot and a tongue carried by the other member having a rectilinear cross sectional contour and a leading edge guided by said protuberance into said slot.

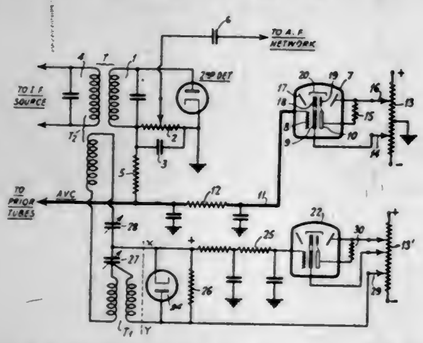
2,190,434
CHANGEABLE BLADE DRAG BIT
Felix L. Pivoto, Liberty, Tex.
Application September 20, 1937, Serial No. 164,649
4 Claims. (Cl. 255—61)



1. A drag bit of the character described comprising a bit body, a forwardly inclined blade thereon, a water course therein, an enlarged chamber at the base of said course, a laterally and rearwardly inclined discharge port to direct a flow of liquid against the bit blade, a second port disposed axially of the bit, a blade backup

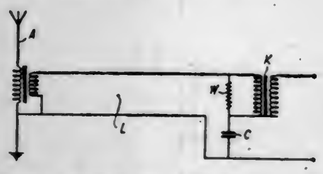
extending downwardly at opposite sides of said body, a curved blade of uniform width and uniformly arched transversely disposed on each backup, a bolt to hold said blade in position, and a bead of welding material along the side and bottom of the backup to affix said blade to said body, the top of each of said blades being inclined rearwardly from its base.

2,190,435
TUNING INDICATOR CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1936, Serial No. 87,607
11 Claims. (Cl. 250—40)



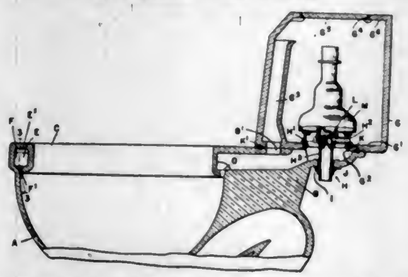
7. In a radio receiver having a signal channel which includes a rectifier, means for deriving from the rectifier a direct current voltage capable of being utilized as an automatic volume control bias, means for visually indicating variations in said derived bias voltage, means for deriving from the signal channel a direct current voltage which varies chiefly with the resonance condition of the receiver, and means independent of the first visual indicating means for visually indicating variations in said last mentioned derived voltage.

2,190,436
RECEIVER ARRANGEMENT
Hans-Werner Steinhausen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 8, 1938, Serial No. 212,423
In Germany June 9, 1937
4 Claims. (Cl. 178—44)



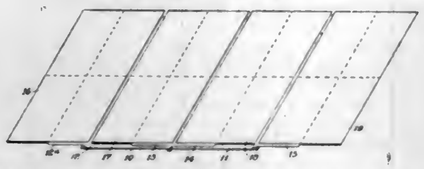
3. An input circuit for a short wave and long wave receiver comprising an antenna, a transmission line having one end coupled to the antenna, the other end of the transmission line having a filter constituted by a resistance and a capacity connected across the line, and a high frequency transformer, the primary of which is connected across the filter resistance and the secondary of which together with the filter condenser constituting the output circuit which is adapted to be connected to the input of the receiver.

2,190,437
WATER CLOSET
James M. Teahen, Detroit, Mich.
Application October 18, 1937, Serial No. 169,745
3 Claims. (Cl. 4—14)



1. In a water closet, the combination of a bowl having a hollow shelf extending rearward therefrom, a tank supported on said shelf provided with an outlet port through the bottom thereof registering with a corresponding port in said hollow shelf, and a combined inlet and outlet fitting having a seat portion for a water discharge valve surrounding the port in the bottom of the tank and a central water inlet conduit passing through said port and the bottom of said shelf and forming a tie connection between the tank and bowl.

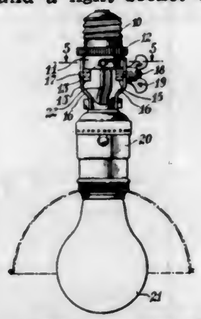
2,190,438
MOUNTING FOR MAPS AND THE LIKE
Ludwig Emil Vogt, Freiburg in Breisgau, Baden, Germany, assignor to Kenneth Lydecker, New York, N. Y.
Application November 10, 1936, Serial No. 110,070
In Germany November 25, 1935
2 Claims. (Cl. 281—2)



2. A mounting for displaying matter of the nature set forth, comprising a holder having a plurality of hinged supporting leaves, and a plurality of strips folded transversely into a plurality of sections, the end sections of each folded strip being mounted upon its leaf support to rock thereon substantially about the median line of said strip, the end leaves being of a width three times that of the intermediate leaves.

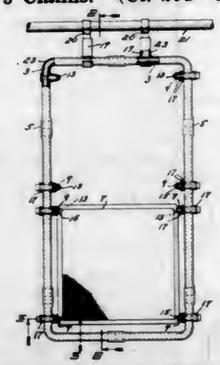
2,190,439
ADJUSTABLE LIGHT SOCKET
Maurice J. Wohl, New York, N. Y.
Application May 15, 1939, Serial No. 273,686
5 Claims. (Cl. 248—278)

1. A flexible lamp support for incandescent lamps comprising a connection plug having a cap thereon, a tubular extension on said cap, a guide ring within said tubular extension rotatable about the vertical axis of said plug, a pair of diametrically opposite pivots mounted on said ring, said tubular extension having a peripheral slot, a pin fastened to said ring and guided in said slot and a light socket having vertical



arms thereon rotatably mounted by the pivots on said ring.

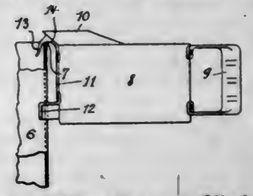
2,190,440
ELECTRIC ETCHING OR DEPOSITION FRAME
Watson Beebe, Cheboygan, Mich., assignor, by mesne assignments, to The Trumbull Metal Products Company, a corporation of Delaware
Application June 12, 1937, Serial No. 147,968
3 Claims. (Cl. 204—5)



2. A support for holding articles to be electroplated or etched comprising, an electrically conductive rod, a stationary clamp jaw of electrically conductive material joined to said rod in permanent, electrically conductive relation therewith and projecting therefrom, a movable clamp jaw journaled on said frame in cooperation with said stationary jaw, and rubber elastic means disposed around said jaws and rod for securing the movable jaw on the rod adjacent the stationary jaw and compressing the movable jaw on the stationary jaw in clamping relation.

2,190,441
POURING CAN FOR COFFEE URNS
William Cecil, New York, N. Y.
Application September 9, 1939, Serial No. 294,131
2 Claims. (Cl. 221—11)

1. As a new article of manufacture a pouring can for coffee urns comprising a can body adapted to contain a liquid, a handle secured to the rear of said body, a pouring lip secured to the front portion of said body, a bracket secured to the front of said body below said pouring lip, said bracket forming a hook at its upper end and a concave foot at its lower end, said hook being adapted to be hooked in over the upper edge of a coffee urn, said foot being shaped to rest against the side of said coffee urn whereby to facilitate



the operation of lifting the can filled with liquid to the top of the coffee urn and pouring the liquid into the urn.

2,190,442
TOOL USEFUL FOR REMOVING OBJECTS FROM WELLS
Charles E. Costello, Bakersfield, Calif., assignor of one-fourth to William B. Collins and one-fourth to Walter W. Boggs, both of Los Angeles, Calif., and one-fourth to John W. Costello, Inglewood, Calif.
Application May 10, 1938, Serial No. 207,042
16 Claims. (Cl. 166—1)

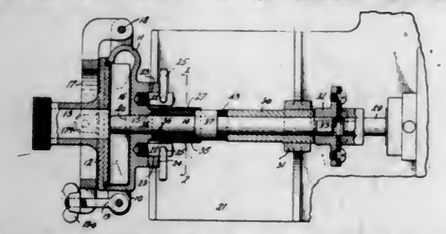


1. A tool useful in removing an object from a well comprising two spaced elements adapted to seal with the wall of the well to define a chamber in the well, means connected with one of the elements for gripping the said object, means for holding the other element against movement, and means for introducing fluid pressure to said chamber to act on the first mentioned element to move said object.

2,190,443
SEALING MEANS FOR ROTARY SHAFT OPENINGS
Charles B. Dalzell, Little Falls, and Ralph K. Miner, Oriskany Falls, N. Y., assignors to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application January 20, 1938, Serial No. 185,916
10 Claims. (Cl. 286—11)

1. The combination of a casing, a rotary shaft passing through a shaft opening in a wall of the casing, said wall and shaft having opposed faces transverse to the axis of the shaft, means forming a fixed sealing chamber around the shaft outwardly from said wall, said casing wall being removably mounted at the inner end of said sealing chamber and movable off of said shaft, seal-

ing means for said shaft opening comprising an elastic imperforate walled sleeve surrounding the shaft in said sealing chamber between said opposed faces, and a sealing body which surrounds the shaft in said sealing chamber and is pressed axially by said sleeve against one of said faces by reaction of said sleeve against said other face,



said sleeve and sealing body being loose in and removable with the shaft from said sealing chamber through said inner end thereof when the casing has been removed from the inner end of the sealing chamber and said sleeve and sealing body being removable from said shaft when the shaft is withdrawn from the casing.

2,190,444

DERIVATIVES OF 2.6 - DIHYDROXYPYRIDINE-4-CARBOXYLIC ACID AND A METHOD OF MAKING THE SAME

Max Dohrn, Berlin-Charlottenburg, and Hans Nahme, Berlin-Zehlendorf, Germany

No Drawing. Application March 19, 1937, Serial No. 131,784. In Germany March 23, 1936

13 Claims. (Cl. 260—295)

1. Process for the manufacture of mono-ethers of 2.6-dihydroxy-pyridine-4-carboxylic acid compounds, comprising reacting a 2.6-dihydroxy-pyridine-4-carboxylic compound with a compound containing an alcoholic group which is the residue of a monobasic alcohol taken from the class consisting of saturated aliphatic alcohols and cyclic alcohols saturated in the alcohol radical in the presence of an etherifying agent.

2,190,445

REGENERATED CELLULOSE ETHER PRODUCT

Deane C. Ellsworth, deceased, late of Wilmington, Del., by Joseph F. Haskins, administrator, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 25, 1933, Serial No. 682,119. Divided and this application January 29, 1936, Serial No. 61,337

5 Claims. (Cl. 106—40)

1. A regenerated cellulosic derivative of improved moisture resistance produced by dissolving in dilute aqueous caustic soda, a low-substituted cellulose glycolic acid which is substantially insoluble in 6% aqueous caustic soda solution at room temperature but soluble in said caustic soda solution near the freezing point thereof, and thereafter regenerating the cellulosic body.

2,190,446

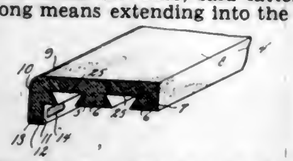
STAIR TREAD

Michael Fioritto, Ottawa Hills, Ohio

Application February 15, 1939, Serial No. 256,441

4 Claims. (Cl. 72—96)

1. A tread unit comprising a cementitious tread face body portion, and parallel thereto a sheet metal anchorage and reinforcement portion opposite from the face, said latter portion having prong means extending into the cementi-



tious portion short of the face, and additional prong means oppositely extending away from the face, said latter being effective as an anchorage for said unit in a base.

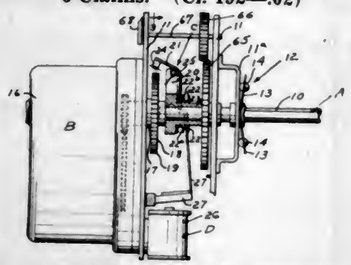
2,190,447

REMOTE CONTROL APPARATUS

Radford K. Frazier, Chicago, Ill., assignor to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware

Application November 29, 1937, Serial No. 177,072

6 Claims. (Cl. 192—.02)



1. In combination with a rotatable control shaft and a motor operated drive mechanism, a clutch mechanism comprising a gear associated with said drive mechanism, a radially extending arm attached to said shaft, a member pivotally mounted on said arm and equipped with teeth for engaging the teeth of said gear, a collar axially slidable along said shaft and engaging said pivoted member, and clutch actuating means for moving said collar axially of said shaft to effect engagement and disengagement of said pivoted member with said gear whereby said drive mechanism and control member are mechanically connected and disconnected.

2,190,448

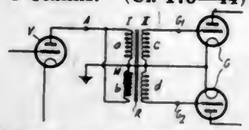
BROAD-BAND TRANSFORMER FOR PUSH-PULL CIRCUITS

Hans-Günther Freygang, Berlin-Friedrichshagen, Germany, assignor to General Electric Company, a corporation of New York

Application August 10, 1938, Serial No. 224,203

In Germany May 11, 1937

5 Claims. (Cl. 178—44)



1. A wide-band transformer for coupling an unbalanced transmission line to one that is balanced, comprising a closed core member, a two-part primary winding electrically connected in parallel and wound around said core in opposite directions, one of the common terminals of said windings adapted to be connected to the unbalanced line and the other common terminal adapted to be connected to ground, a two-part secondary winding electrically connected in series and wound around said core in the same direction and between the turns of the primary windings, the common terminal of said secondary windings being grounded, and the other terminals of the latter windings being adapted to be connected to the balanced transmission line.

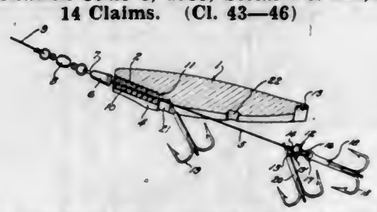
2,190,449

ARTIFICIAL FISH BAIT

Clarence L. Goldammer, Milwaukee, Wis.

Application June 3, 1938, Serial No. 211,485

14 Claims. (Cl. 43—46)



1. An artificial bait comprising a body having outwardly opening sockets at its ends and provided with a slot extending longitudinally of the body from one end thereof to the other, said slot opening downwardly and intersecting the sockets at its ends, a leader wire having its intermediate portion disposed in said slot and its end portions disposed in said sockets, a head connected to the front end of the leader wire, a fishing line connected to said head, a coil spring between the head and the inner end of the socket at the front of the body, a connector secured to the rear end of the leader wire and interfittable with the socket at the rear of the body a hook connected to the connector, and hooks mounted on intermediate portions of the leader wire, said body having notches intersecting the slots and receiving the eyes of said last named hooks.

2,190,450

CELLULOSE ETHERS

Frederick C. Hahn, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 3, 1938, Serial No. 183,133

14 Claims. (Cl. 260—231)

1. In the etherification of cellulose, the steps which comprise intimately associating cellulose and a small amount of an alkali stable wetting agent for cellulose of the group consisting of alkali metal isobutyrates and alkali metal salt of the acids prepared by the oxidation of the mixture of oxygenated carbon compounds obtained by the catalytic hydrogenation of carbon oxides under elevated temperatures and pressures, by treating the cellulose with a solution of the wetting agent, removing the solvent and treating the dry cellulose and associated uniformly distributed wetting agent with an etherifying agent.

2,190,451

CELLULOSE DERIVATIVES

Joseph F. Haskins, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 9, 1935, Serial No. 49,034. Renewed April 1, 1939

13 Claims. (Cl. 260—231)

1. Process of preparing ethoxyethylcellulose soluble in water, alkali and organic solvents which comprises steeping 100 parts of cellulose in excess 35% sodium hydroxide, pressing to 741 parts, shredding, reacting with 782 parts of ethoxyethyl chloride in 329 parts of dioxane for nine hours at 150° C. and isolating the resulting ethoxyethylcellulose.

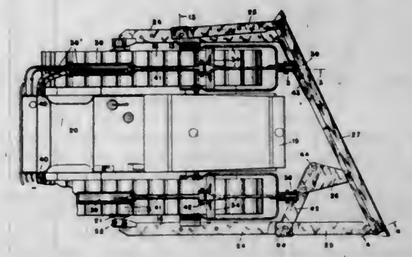
2,190,452

SCRAPING APPARATUS

Joseph H. Kerber, Milwaukee, Wis., assignor to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application June 6, 1938, Serial No. 212,021

3 Claims. (Cl. 37—144)



2. The combination with a vehicle, of a scraper blade adapted to work at the front of the vehicle, levers pivotally connected at their rear ends to the vehicle and having their front ends extending inwardly at an angle, means for connecting said front ends to the central part of said blade, braces connecting said levers to the ends of said blade, and means for independently raising and lowering said levers to adjust the angle of said blade in a vertical plane relative to the surface over which it travels.

3. The combination of a vehicle having an operator's seat at the rear portion, of a scraper blade adapted to work at the front of the vehicle, a main frame for said vehicle, traction means for said vehicle including frames, levers on opposite sides of the vehicle pivotally connected at their rear ends to said traction frames and having their front ends operatively connected to said blade, a hoisting frame pivotally mounted on each traction frame and operatively connected with the lever at that side of the vehicle, an hydraulic cylinder connected with each hoisting frame and pivotally connected with the main frame of the vehicle below the operator's seat for independently raising and lowering said hoisting frames to vary the angle of said blade in a vertical plane relative to the surface over which it travels.

2,190,453

OXIDATION OF HYDROCARBONS

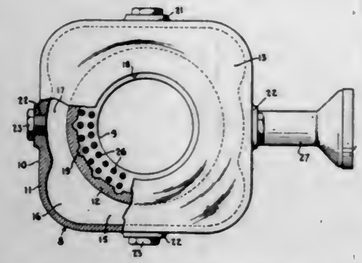
William H. King, New Orleans, La., and Clyde Q. Sheely, State College, Miss.; said King assignor to said Sheely

Application October 30, 1936. Serial No. 108,478

12 Claims. (Cl. 260—451)

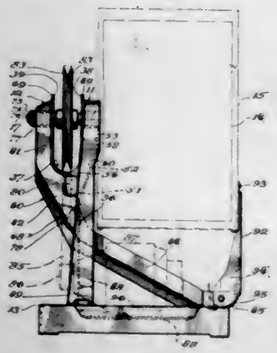
1. The process of producing oxidation products of normally liquid aliphatic hydrocarbons, which comprises subjecting said hydrocarbons in the vapor phase to the oxidizing action of vaporized nitric acid in a gas containing free oxygen, said oxidation being carried out at a temperature between 250 and 500° C. in a reaction period not exceeding 15 seconds, removing the reacting materials and the reaction products from the chamber while still in the vapor phase, and condensing the unreacted hydrocarbon and the oxidation products under non-reacting conditions.

2,190,454
WATER HEATER
John J. MacNeill, New York, N. Y.
Application June 6, 1938, Serial No. 212,196
1 Claim. (Cl. 126—54)



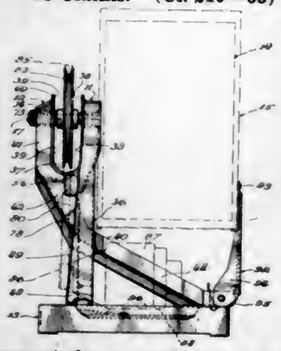
A device of the character described comprising, a hollow substantially square-shaped body adapted to be supported above a heating element and providing a water space and heat passage, said water space comprising relatively wide areas at the corners of the body joined by relatively narrow areas, the wall of the body surrounding said passage being grooved to increase the heating surface thereof, and a baffle projecting inwardly from said body with respect to said passage to retard the flow of heated air.

2,190,455
SUPPORT FOR CENTRIFUGES
Andrew O. McCollum and Victor J. Lovett, Detroit, Mich., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application April 9, 1937, Serial No. 135,954
Renewed August 21, 1939
14 Claims. (Cl. 210—63)



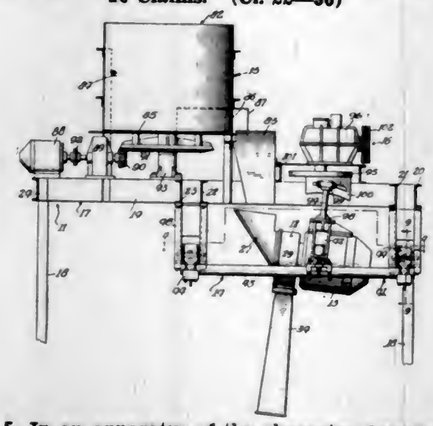
1. Apparatus comprising a centrifuge having a shaft mounted for rotation about a substantially horizontal axis, in combination with a support including a base, a first member substantially triangular in shape and mounted in vertical position on said base and supporting said shaft at a point adjacent the centrifuge and a second member lying substantially in a vertical plane passing through the axis of rotation and extending diagonally downward between the inclined sides of said first mentioned member to said base and supporting said shaft at a point spaced farther from said centrifuge than the first mentioned point.

2,190,456
SUPPORT FOR CENTRIFUGES
Alfred H. Haberstump, Detroit, Mich., assignor, by mesne assignments, to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application April 9, 1937, Serial No. 135,955
13 Claims. (Cl. 210—63)



1. A support for a centrifuge adapted to be rotated by a shaft mounted for rotation on a substantially horizontal axis on said support including, in combination, a base, a first member mounted in a vertical position on said base for supporting said shaft at a point adjacent the centrifuge, said member being provided with a centrally located aperture having vertically extending side and diagonally inclined bottom flanges, and a relatively narrow second member for supporting said shaft at a point spaced farther from said centrifuge than the first mentioned point, said member lying substantially in a plane passing vertically through the axis of rotation and extending diagonally downward through said aperture to said base and having side and bottom walls, said second member having its side and bottom walls secured to the flanges extending from said aperture and its lower end to said base.

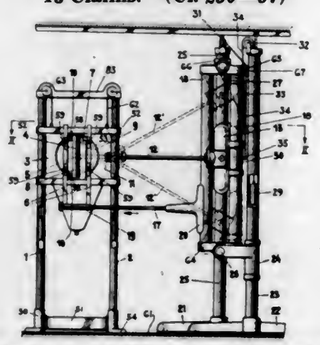
2,190,457
FLASK FILLING APPARATUS
Walter E. Naylor, Chicago, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1937, Serial No. 122,700
10 Claims. (Cl. 22—36)



5. In an apparatus of the character described,

the combination of a supporting structure, an assembly consisting of a rotary projector and a projector driving motor at one side of the projector and adapted to project mould forming material downwards into a subjacent flask, a pair of laterally spaced side members extending alongside of the assembly and carried by the supporting structure, and a yoke having the central portion thereof overlying and fixed to the assembly and the end portions thereof connected by pivotal connections to the side members so that the assembly may be tilted up and down in order to cause the projector to project the material into different portions of the flask.

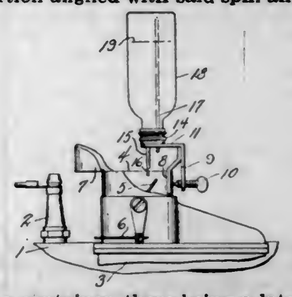
2,190,458
SUPPORT FOR X-RAY WORK
Leonhard Raab, Erlangen, Germany, assignor to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany
Application May 2, 1938, Serial No. 205,547
In Germany May 3, 1937
13 Claims. (Cl. 250—57)



1. A support for X-ray work, comprising at least two separate supporting devices which are movable relatively to each other; an X-ray tube, an image surface, one of said supporting devices comprising guiding means, means slidably supporting the X-ray tube upon said guiding means, and means swingably supporting said guiding means to enable said guiding means to swing from a horizontal position to a vertical position and vice versa; the other one of said supporting devices comprising other guiding means, means slidably supporting the image surface upon said other guiding means, and means swingably supporting said other guiding means to enable said other guiding means to swing from a horizontal position to a vertical position and vice versa; and means interconnecting the two guiding means to cause a proportional movement of the two guiding means in opposite directions when one of the two guiding means is moved.

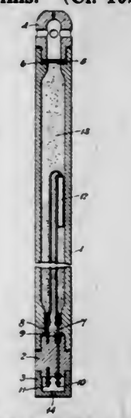
2,190,459
INTERNAL COMBUSTION ENGINE TREATMENT
Paul A. Schnebelen, Toledo, Ohio, assignor to Hi-Speed Tire and Accessory Company, Toledo, Ohio, a corporation of Ohio
Application October 24, 1938, Serial No. 236,626
3 Claims. (Cl. 123—198)

1. For an internal combustion engine having an air intake providing a rim, a clamp for engaging said rim including an overhanging arm, a cup thereon adapted to receive a container, there being a port through the arm and the bottom of the cup, and a drip duct through said port providing a passage for direct spill into the way clear of said rim, said duct having an upward terminus provided with a perforation effecting cutter portion aligned with said spill and adapted



to pierce a container, there being a lateral minor way into the passage from the container for promoting drip flow through the passage.

2,190,460
BLASTING CHARGE
James Taylor, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 14, 1936, Serial No. 96,121
In Great Britain August 21, 1935
6 Claims. (Cl. 102—6)



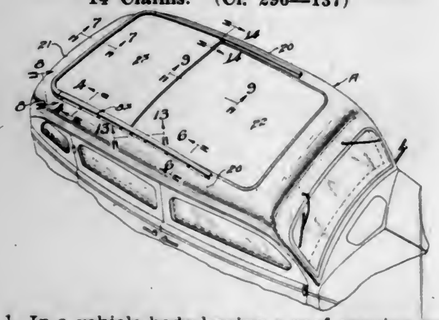
1. A blasting device of the non-detonating gas-generating type comprising a pressure-resisting shell, a pressure-responsive venting member disposed in said shell adapted to permit the escape of gases from said shell at a predetermined and considerable pressure, and a gas-producing agent confined within said shell comprising a non-detonating mixture of an alkali metal nitrite, an ammonium salt, and a stabilizer consisting of a solid inorganic substantially insoluble material, substantially incapable of undergoing metathesis with said ammonium salt, selected from the group consisting of the oxides, carbonates, and carbides of the alkaline earth metals, and the oxides, hydroxides, carbonates, and basic carbonates of magnesium and zinc.

2,190,461
LACQUER MANUFACTURE
Max Raymond Vogel, Easton, Pa., assignor to Binney & Smith Co., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 28, 1937, Serial No. 156,107
15 Claims. (Cl. 134—79)

1. The method of stabilizing a black lacquer

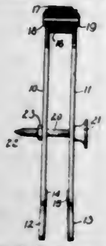
against flocculation, said lacquer including a nitrocellulose containing body, having dissolved therein a copper soap, and having suspended therein a quantity of carbon black in a condition of colloidal dispersion, which comprises incorporating in the lacquer prior to the inception of flocculation, a polyamine selected from the class consisting of benzidine, meta-phenylenediamine, para-phenylenediamine, meta-toluylenediamine, piperazine, an induline base, a rosaniline base, a chrysoidine base, Bismarck brown, and polyamino condensation derivatives of sulfanilic acid.

2,190,462
VEHICLE BODY
John Votypka, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 6, 1936, Serial No. 89,065
14 Claims. (Cl. 296—137)



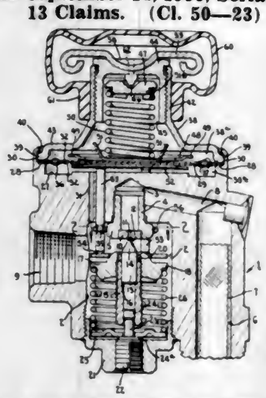
1. In a vehicle body having a roof opening and a longitudinally slidable roof panel movable into and out of position to close the opening, said panel having marginal downwardly directed flanges along the sides and ends thereof, channel shaped gutters receiving said longitudinal flanges, rollers slidingly supporting the panel in said gutters, said end flanges having guide slots receiving the inner upright walls of the gutters whereby portions of said end flanges extend into said gutters, and non-metallic sealing members secured to the inner sides of said end flanges and sealing the space between the flanges and the bottom of the gutters.

2,190,463
YIELDABLE PRESSURE APPLYING CLAMP
James A. Watt, Chicago, Ill.
Application July 7, 1938, Serial No. 217,872
7 Claims. (Cl. 24—255)



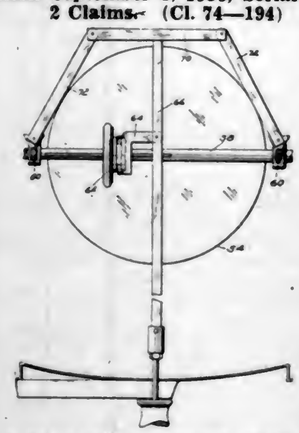
1. A clamp comprising opposed clamping jaws, tightening means disposed between the extremities of the clamp and manually operative to force clamping ends of said jaws at one side of said tightening means into clamping engagement with the material to be clamped, resilient cushioning means at the other side of said tightening means opposite from said clamping side and so tensioned as to be automatically displaceable upon further tightening of said tightening means to permit the other ends of said jaws at said other and opposite side to move towards each other and thus relieve said clamped material from excessive and damaging clamping pressure, said cushioning means comprising resilient spacing means interposed and held between said other ends of said jaws.

2,190,464
CONTROL DEVICE
Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application September 11, 1936, Serial No. 100,264
13 Claims. (Cl. 50—23)



1. In an expansion valve for controlling flow of a refrigerant medium, a body, a reciprocal valve member controlling flow through said body, means operable for moving said valve member in one direction, means operable for moving said valve member in the opposite direction, an abutment member adjustably supported on said valve member for free universal movement relative thereof, and a plurality of thrust members having universal engagement with said abutment member and operatively connecting said valve member and said first-named means.

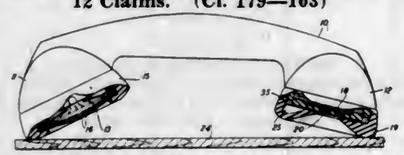
2,190,465
SOUND EFFECT MACHINE
Samuel E. Adair, Chicago, Ill., assignor, by mesne assignments, to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware
Application September 4, 1936, Serial No. 99,430
2 Claims. (Cl. 74—194)



1. In a sound-effect machine having a record-

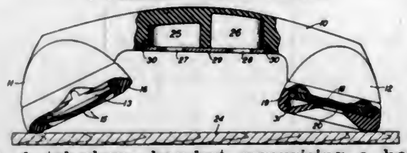
supporting turntable arranged on a drive shaft, drive means comprising a friction disk on said shaft, a motor-driven shaft extending diametrically across said disk, a driving wheel keyed to and axially movable on the motor-driven shaft and frictionally engaging the disk, and means for shifting the driving wheel across said disk to vary the speed of the turntable while it is running, said means including a lever connected to the driving wheel and having at one end a cross bar rigidly connected thereto and which bar is pivoted at opposite ends to inclined links pivotally fulcrumed adjacent the motor-driven shaft at opposite sides of the friction disk.

2,190,466
TELEPHONE SUBSTATION APPARATUS
Arthur F. Bennett, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1937, Serial No. 167,894
12 Claims. (Cl. 179—103)



1. A telephone handset comprising a support, a transmitter and a receiver mounted in spaced relation on said support and having diaphragms facing in substantially the same direction, and resonant means for absorbing energy from the sound field between said transmitter and said receiver, said resonant means having a natural frequency within the range of frequencies to be translated by said transmitter and receiver.

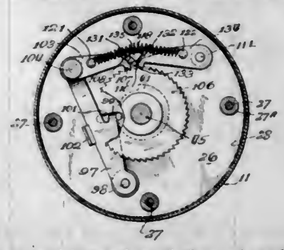
2,190,467
TELEPHONE SUBSTATION APPARATUS
Frey Hamburger, Orange, N. J., now by judicial change of name Fray Hardwick, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1937, Serial No. 167,904
7 Claims. (Cl. 179—103)



1. A telephone handset comprising a handle having an elongated surface, and a pair of telephone instruments mounted on said handle adjacent opposite ends of said surface and having vibratile elements facing in generally the same direction with respect to said handle, said handle having a cavity therein with a resonant frequency within the range to be translated by said instruments, said cavity being connected to the atmosphere through an opening in said surface facing the sound field between said instruments.

2,190,468
CIRCUIT CONTROLLER
Clifford C. Bradbury, Glencoe, Ill., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application May 6, 1937, Serial No. 141,081
9 Claims. (Cl. 74—125)

1. In a drive mechanism for a controller or the like, the combination including a ratchet wheel, a pivotally mounted pawl mounted upon an oscillatable arm, means for oscillating said arm through a predetermined angle whereby predetermined reciprocatory movement is imparted to said pawl, a pivotally mounted dog for preventing reverse movement of said ratchet wheel, a spring connecting the pawl and dog, said spring being



mounted on said pawl and dog at points spaced farther from the axis of rotation than a line passing through the pivot points, and pivotally mounted means adapted to engage said pawl and biased toward said pawl by said spring for preventing said wheel from being rotated more than the amplitude of the reciprocatory movement of said pawl upon each oscillation of said arm.

2,190,469
METHOD OF MANUFACTURING FLEXIBLE STAYS
Julius R. Bux, Melrose Park, Pa.
Application April 21, 1938, Serial No. 203,318
2 Claims. (Cl. 29—148)

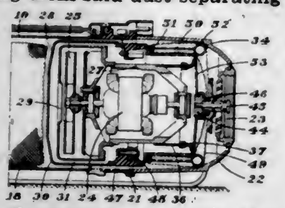


1. A method of fabricating stays for mattresses, cushions, pads, or upholstery, each comprising a length of cord with dissimilar cast-on parts at its opposite ends, the part at one end of the cord length being a button and the part at its other end being a shouldered anchorage sleeve of smaller radial dimension than said button; which method comprises casting around a cord, at intervals corresponding to the desired stay-cord length, a series of identical unitary members each combining in itself the said dissimilar parts for the opposite ends of a stay-cord length, to wit, a button portion and a sleeve portion of smaller radial dimension than said button portion extending from the side of said button portion and shouldered adjacent but at an interval from the said button portion; and severing adjacent identical unitary members between the sleeve shoulders and button portions of said members, also correspondingly severing the cord, whereby a series of similar stays are produced.

2,190,470
VACUUM CLEANER
Johan Eric Valdemar Edstrom, Stockholm, Sweden, assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application October 22, 1938, Serial No. 236,439
In Sweden October 27, 1937
5 Claims. (Cl. 183—37)

1. A vacuum cleaner including a casing having an inlet opening at one end, a closure member secured to said casing at the other end having an outlet opening, a dust separating member in said casing adjacent said inlet opening, a motor-fan

unit mounted in said casing, a fine dirt filter located in said closure member, means guiding air passing from said dust separating member to



said fan through a portion of said filter, and means guiding air passing from said fan to said exhaust opening through a portion of said filter.

2,190,471

REFINING OF PETROLEUM DISTILLATES

Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 26, 1938, Serial No. 226,905

5 Claims. (Cl. 196—44)

1. The process whch comprises treating a sulphuric acid-treated cracked petroleum distillate with a hydrocarbon-soluble heavy metal salt of a phenolic body selected from the class of substances consisting of phenol and its homologues, allowing insoluble metallic compounds to form and separating said insoluble compounds, whereby the ability of said distillate to develop acidic compounds on distillation is suppressed.

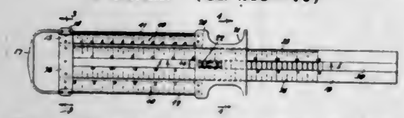
2,190,472

PROPORTIONAL SLIDE RULE

Bartolomeo Ferrughelli, New York, N. Y.

Application March 9, 1938, Serial No. 194,742

1 Claim. (Cl. 235—70)



A proportionate rule comprising a thin, flat rigid graduated straight scale bar having a central longitudinal channel throughout its entire length on one side thereof, ratchet teeth disposed transversely in said channel in uniformly spaced definite relation, a slide movable on said scale, a spring pressed manually operable pawl pivoted in said slide selectively engageable with said teeth, a cross bar fixed on one end of said scale, a loop handle combined with said bar, elastic scales fixed at their respective ends to said slide and bar, parallel and closely adjacent said stationary scale, and series of graduations on said elastic scales normally half the distance apart as the graduations on said stationary scale.

2,190,473

PHYSICIAN'S HEAD MIRROR

Samuel Golub and Bernard Frommer, New York, N. Y.

Application November 27, 1937, Serial No. 176,783

3 Claims. (Cl. 128—21)

2. A physician's head mirror comprising an annular casing having a flange portion on its front face and a threaded internal portion adjacent its rear face, a concaved mirror within said casing having a flange portion resting against said flange portion, a back cover disc threadedly engaging said threaded internal portion having a projecting annular bead engaging the rear face of the flange of said mirror for holding the mirror fixedly, and a knob mounted on the back face of said cover disc near the periphery thereof,



said knob having a spherical outer end, and at its inner end being provided with a square shank engageable into a square opening in said cover disc, and a screw for holding said knob on said cover disc.

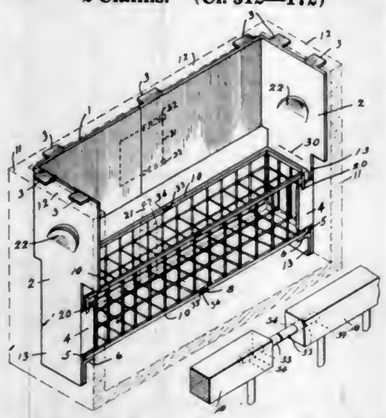
2,190,474

BOTTLE COOLING RACK

Alva Eagon Gregory, Nashville, Tenn.

Application October 21, 1938, Serial No. 236,355

2 Claims. (Cl. 312—172)



2. In combination with a cooling box of the class described, a bottle crate comprising a frame of flat material formed into a three-sided shape having a rear wall and two side walls extending therefrom horizontally and having a T-form shape with the enlarged head portions joining and aligning with the said rear wall at the upper portion of the frame, ledge pieces on the upper edge portions of the walls extending therefrom for engagement on the cooling box, stops on the front portions of the side walls formed in the frame, shelves mounted on the lower portions of the side walls, a basket having an openwork cell construction adapted to fit within the space between the side walls and hold and position the bottles therein, and to be held by said stops and shelves, the position of the basket being below the normal water line of the said box, slip pieces on the basket for holding the basket to the frame.

2,190,475

BRIDGE FOR STRING INSTRUMENTS

Fred Gretsch, Jr., Forest Hills, N. Y.

Application July 9, 1938, Serial No. 218,379

8 Claims. (Cl. 84—298)

1. A bridge for string instruments and the like adapted to receive the normal number of strings and comprising a lengthwise curved base increasing in width and thickness from the treble to the bass side of the bridge and having end portions,



the end portion at the bass side being greater in length than the end portion on the treble side, and a string mounting member on said base having a crest inclined in the same direction said base is curved.

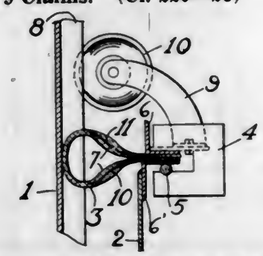
2,190,476

RESILIENT SEAL FOR FLOATING ROOFS

Charles H. Haupt, Elizabeth, and Earle W. Hall, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application January 21, 1937, Serial No. 121,452

9 Claims. (Cl. 220—26)



1. A sealing member for forming a substantially fluid tight seal in the space between the tank wall and a floating roof for the tank, comprising a substantially self-supporting annular loop of flexible resilient material and integral with said material, supplemental supporting means disposed in spaced relation to the tank wall by not less than the thickness of the flexible, resilient loop-material normally engaging the wall surface.

2,190,477

REFRACTORY CARBIDE COMPOSITION

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application February 24, 1939, Serial No. 258,190

2 Claims. (Cl. 200—166)

1. An electric contacting member formed of a composition comprising 1 to 50% zirconium carbide and the balance essentially silver, the zirconium carbide being in a finely divided state intermingled with said silver, the composition forming a compact solid mass.

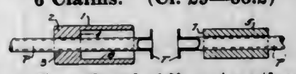
2,190,478

TUBE COUPLING AND METHOD AND APPARATUS FOR MAKING SAME

William J. Kleinknecht, Garden City, N. Y., assignor to American District Telegraph Company, Inc., Jersey City, N. J., a corporation of New Jersey

Application May 12, 1938, Serial No. 207,462

6 Claims. (Cl. 29—88.2)



1. A coupling for holding together the end flanges of tubes, said coupling comprising a ferrule and a smooth cylindrical plug having alined small tube-receiving bores and adjacent opposed annular pressure faces adapted to receive said flanges when the tubes are in the small bores; said ferrule having a smooth cylindrical bore, less small than the alined bores, adjacent to its pressure face for receiving the plug with a forced fit, the fit being sufficiently forced and tight, and the area of contact between the smooth sides of the bore and the plug therein being sufficiently extended to provide sufficient friction, to maintain the flanges together with sufficient pressure to maintain their contact fluid-tight.

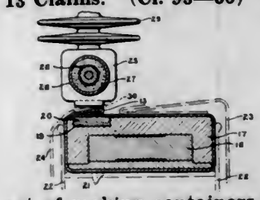
2,190,479

METHOD AND MEANS FOR MAKING CONTAINERS

George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware

Application August 16, 1938, Serial No. 225,113

13 Claims. (Cl. 93—36)



1. In the art of making containers comprising fibrous materials, the method which includes coating a blank of sheet material with a film of thermoplastic adhesive, drying said adhesive, folding said sheet to form a tubular body with opposed ends of the blank in overlapping relation, and applying heat and pressure to said overlapping ends throughout a major portion of the length thereof at the same time to activate the coating of thermoplastic adhesive interposed therebetween while yieldingly resisting deformation of the material of said overlapping ends.

2,190,480

PRODUCTION OF GASOLINE

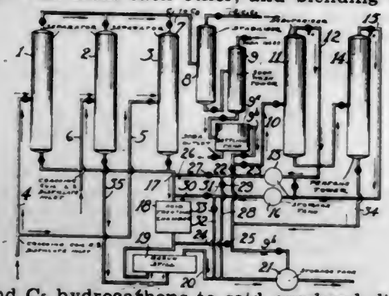
Henry Janney Nichols, Jr., Scotch Plains, and George L. Mateer, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 18, 1936, Serial No. 91,352

3 Claims. (Cl. 196—11)

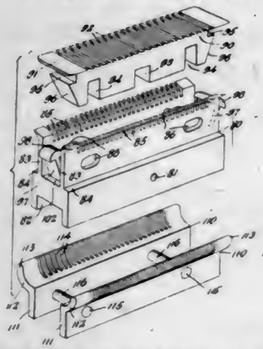
1. A process for producing a gasoline of designated specifications from a hydrocarbon distillate containing lower boiling constituents than those desired in the final gasoline, including C_3, C_4 and C_5 hydrocarbons, which comprises preheating said distillate, injecting it into a separation zone, taking off overhead all hydrocarbons up to and including the C_4 and C_5 hydrocarbons, distilling the remaining hydrocarbon mixture to

make a heavy overhead distillate of the desired end point, segregating the C_4 hydrocarbons and C_5 hydrocarbons from the overhead from the separator and from each other, and blending back



C_4 and C_5 hydrocarbons to said overhead distillate of suitable end point in quantities appropriate to impart thereto the desired vapor pressure and the desired volatility.

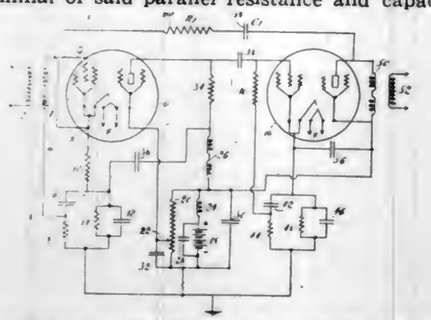
2,190,481
DRY SHAVER
Barney R. Nyhagen, New York, N. Y.
Application June 23, 1938, Serial No. 215,364
5 Claims. (Cl. 30—43)



1. A cutter head for dry shavers including fixed and movable cutter elements having complementary cutting teeth, and a reciprocatory guard connected with the movable cutter element to move therewith and adapted to engage with the skin.

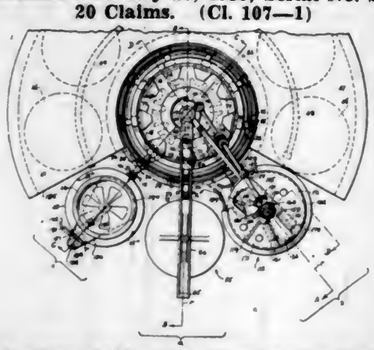
2,190,482
AUDIO AMPLIFIER CIRCUIT
Laurence E. Orne, Melrose, Mass.
Application April 1, 1938, Serial No. 199,473
4 Claims. (Cl. 179—171)

1. A vacuum tube amplifier circuit comprising two stages of pentode vacuum tubes coupled in cascade with a feed back connection comprising a resistance and a capacitance connected in series between the plate of the second tube and the cathode of the first tube for the purpose of feeding back a portion of the output of the second tube to the first tube, networks comprising interconnected resistances and capacitances connecting the control grids with their corresponding cathodes, the network of the first tube being connected between the cathode of the first tube and the control grid of the first tube, and comprising a resistance one terminal of which is connected to the cathode and suppressor grid circuit of the said first tube, and the other terminal of said resistance connected to (*a*) one terminal of a condenser, the other terminal of which connects both to one terminal of the secondary winding of the input transformer and to one terminal of a second resistance, the other terminal of said second resistance being connected to a common ground, (*b*) one terminal of a path comprising a resistance and a capacitance in parallel, the other terminal of said parallel resistance and capaci-



tance being connected to the common ground, (*c*) one terminal of a capacitance comprising one or more relatively large condensers in parallel, the other terminal of said condensers being connected to one terminal of the resistance forming the plate return circuit of the first tube.

2,190,483
MACHINE FOR MAKING ITALIAN PIZZA
Salvatore Pacilio, New York, N. Y.
Application February 27, 1939, Serial No. 258,739
20 Claims. (Cl. 107—1)

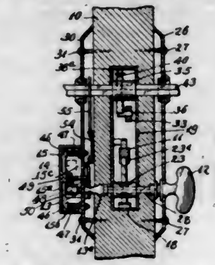


2. A pizza making machine having the combination of an endless series of pizza retaining trays adapted to traverse in a horizontal plane, means to impart to said series of trays intermittent traversals with intervening resting periods, means to impart continuous rotation to each of said trays, a baking oven enveloping a portion of said series of trays, a device for seasoning the pizzas located exteriorly of said oven, means for operating said device as each of said trays is brought thereunder during one of its said resting periods, means to unclutch each of said trays from its rotating means during one of its resting periods, and means to impart an increased rate of rotation to said unclutched tray for centrifugally forming pizza dough thereon.

2,190,484
ART OF BATING HIDES AND SKINS
Julius Pfannmuller, North Plainfield, N. J., assignor to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 6, 1937, Serial No. 141,096
16 Claims. (Cl. 195—6)

12. The process of bating hides and skins which comprises subjecting limed hides or skins to a bating material containing at least one reagent tending to react with part of the lime in the hides or skins to form soluble salts, and also containing an ammonium salt selected from the group consisting of carbonates, bicarbonates and carbamates.

2,190,485
EMERGENCY LOCK KNOB FOR BATHROOM DOORS
Solly Rossman, Brooklyn, N. Y.
Application March 16, 1939, Serial No. 262,129
6 Claims. (Cl. 292—92)



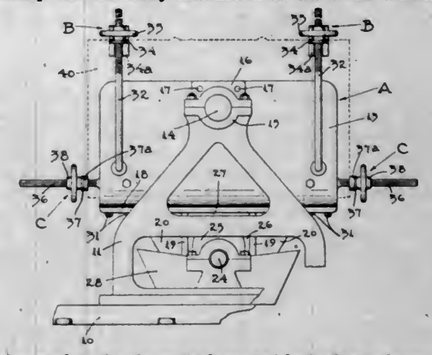
1. In a lock, a lock body for engagement on a door, a bolt slidably mounted in said body and operative from the inner side of said door, a stem connected with said bolt for operating said bolt and extending to the outer side of said door, a handle on said stem, and a shield mounted on the outer side of said door and engaging over said stem and handle making same inaccessible when said door is locked to prevent accidental unlocking of the door from the outside, said shield comprising a hollow shell having a face wall spaced from the door and side walls, one of said side walls having an opening through which said handle may be engaged.

2,190,486
AUSTENITIC CHROMIUM NICKEL STEEL ALLOY
Paul Schafmeister, Essen, Germany, assignor, by mesne assignments, to Krupp Nirosta Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1931, Serial No. 550,288. Renewed July 20, 1939. In Germany July 21, 1930
18 Claims. (Cl. 75—128)

1. A corrosion-resisting steel alloy containing about 12% to 30% chromium, about 7% to 25% nickel, carbon in appreciable quantity but less than 1%, and an additional material acting to lessen materially loss of corrosion resistance on prolonged holding at 500° C., in an amount sufficient to combine with substantially all of the carbon but not in excess of 10%, the balance being substantially all iron, such additional material consisting substantially all of columbium.

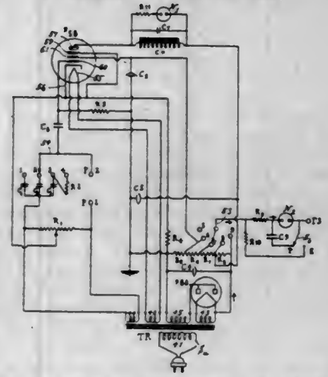
2,190,487
MIXING MACHINE
Fred A. Schletz, St. Paul, Minn.
Application February 18, 1938, Serial No. 191,245
8 Claims. (Cl. 259—75)

1. In a machine for mixing materials in closed containers such as barrels, a frame, a channel-like cradle rockably mounted in the frame, said cradle having a bottom web and upright side flanges, means for rocking the cradle, said cradle being adapted to receive a barrel in sidewise disposition relative to said bottom web and side flanges, barrel chocks secured to said web, means for clamping a barrel against said chocks, end clamps, one at each extremity of the cradle, each end clamp including a pair of studs, each stud issuing from the end of one of the cradle flanges, a clamp bar slidably mounted at its ends on said



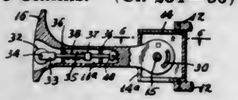
studs, and nuts threaded on said studs and cooperating with said clamp bar for releasable clamping the same against the corresponding end of a barrel supported in the cradle, a pair of straps, one at either side of the cradle, each strap being secured to its corresponding cradle flange and comprising a tie between the opposed end clamp studs at the same side of said cradle.

2,190,488
TESTING INSTRUMENT
Nathan Schnoll, New York, N. Y., assignor, by mesne assignments, to Stevenson Corporation, New York, N. Y., a corporation of New York
Application August 2, 1935, Serial No. 34,309
2 Claims. (Cl. 175—183)



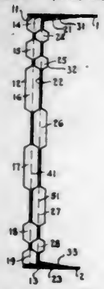
1. In a device for measuring the capacity and power factor of a condenser, an alternating current bridge having source and detector terminals; said bridge consisting of two resistors and standard and unknown capacitor arms; said resistors being in the form of a potentiometer connected between the source terminals of the bridge, the adjustable slider of the potentiometer being used as one of the detector terminals of the bridge; an amplifier tube and associated elements; a blocking condenser connected between the grid of said amplifier tube and the common terminal of the capacitor arms of said bridge, the cathode of said amplifier tube being connected to the slider of said potentiometer, the output of said amplifier being connected to an indicator.

2,190,489
COMBINATION JACK AND AUTOMOBILE THEFT PREVENTION DEVICE
Carl Sellinger and Ernest Forster, Newark, N. J.
Application July 6, 1939, Serial No. 282,997
6 Claims. (Cl. 254—86)



1. A combination jack and automobile theft prevention device, comprising a housing adapted to be attached upon an automobile in the vicinity of an axle of the automobile, a jack arm having its top end pivotally mounted in said housing and extending from a slot in the side of the housing, a cable connected with said jack arm for holding said arm lifted, manual means for releasing said cable to lower said jack arm to rest on the ground, a latch for preventing said jack arm from being lifted off the ground when lowered, said jack arm being adapted to be rendered operative and lift the automobile if same is moved forwards while the arm rests on the ground, a wheel retractably mounted on the bottom of said jack arm, and means for extending said wheel when the jack arm is inoperative.

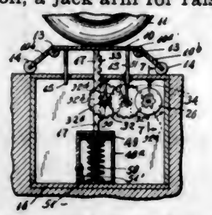
2,190,490
STRUCTURAL MATERIAL
Tadeusz Sendzimir, Paris, France, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application April 22, 1937, Serial No. 138,431
12 Claims. (Cl. 189—34)



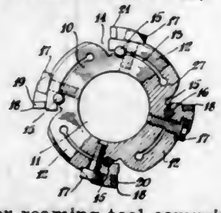
1. A cellular metal structural element comprising outer face portions, and a plurality of inwardly disposed corrugated metal sheets, so disposed as to cause the corrugations of different sheets to come together to form contiguous cellules in rows, there being between said outer face portions a plurality of such rows of cellules along any cross-sectional line, said cellules being larger at the median line of said element and decreasing in dimensions toward said outer face portions whereby to provide an element having greater strength adjacent its outer faces.

2,190,491
AUTOMATIC JACK BLOCK FOR CARS
Michael Sharkey, Brooklyn, N. Y.
Application July 18, 1939, Serial No. 285,043
8 Claims. (Cl. 254—88)

1. An automatic jack block for automobiles, comprising a runway having a depressible raised central portion and inclined ends upon which the wheel of an automobile may be engaged upon, means for releasably holding said raised central portion in a raised or a depressed position, a spring motor, a transmission system for winding said spring motor operable by depression of said central portion, a jack arm for raising said automobile, a transmission system for raising said jack arm operable by said spring motor, and means for releasably holding said jack arm in a raised or a depressed position.

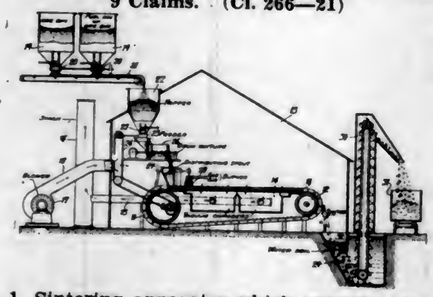


2,190,492
EXPANSIBLE CUTTER
Evans M. Staples, Cincinnati, Ohio
Application July 15, 1938, Serial No. 219,310
6 Claims. (Cl. 77—75)



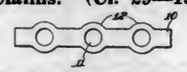
1. A boring or reaming tool comprising a substantially cylindrical supporting body having a plurality of circumferentially spaced arms provided with cutting blade edges, said arms extending in a generally circumferential direction and being rigidly connected at the base of the arms to the main body portion but adapted to flex outwardly to a limited extent; a taper pin wedging means for each of said arms for flexing the free ends thereof outwardly independently of each other with respect to the support at the base and said taper pin means acting also in each case to support the respective arm in such adjusted position thereby to increase the cutting diameter of the tool and to increase simultaneously the clearance for the cutting edges; and means for clamping each of said arms in selected adjusted position.

2,190,493
SINTERING APPARATUS
Henry J. Stehli, Cedar Grove, N. J.
Application October 25, 1938, Serial No. 236,840
9 Claims. (Cl. 266—21)



1. Sintering apparatus which comprises a sintering machine having successive moving pallets for supporting a bed of material to be sintered, an exhaust box below and sealed to the pallets of said sintering machine, a room enclosing said sintering machine, and means to supply air under pressure to said room.

2,190,494
METHOD OF MAKING TUBULAR SHEET MATERIAL
Richard L. Templin, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 4, 1937, Serial No. 167,124
5 Claims. (Cl. 29—157.3)



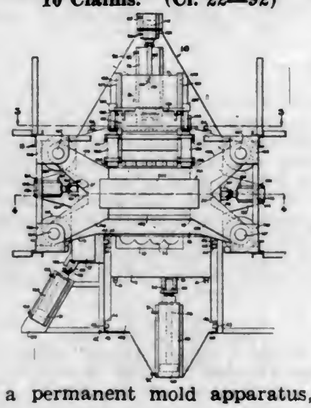
1. The method of producing an apertured metal product comprising the steps, extruding a blank having an internal aperture and an excess of metal of uniform cross section coextensive with, adjacent and exterior to the aperture as measured in the plane of the gauge of the blank, and subsequently submitting the excess metal to a progressive rolling operation to uniformly displace the same and simultaneously change the cross sectional configuration of the internal aperture, said blank being interiorly unsupported during the rolling operation.

2,190,495
SEALING STRUCTURE FOR THE OPENINGS OF METAL CONTAINERS
Louis B. Wackman, St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois
Application February 28, 1936, Serial No. 66,203
8 Claims. (Cl. 220—39)



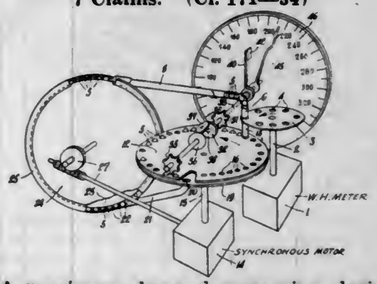
1. In structure of the character described, a container wall having an opening therein, a seat for a bushing surrounding said opening, a bushing, including a flange, received in said seat and a portion of the stock of said seat being partially severed from the adjacent stock and formed to provide an eyelet for reception of a sealing wire.

2,190,496
PERMANENT MOLDING APPARATUS
Matthew Wagner, Glendale, Calif.
Application October 21, 1938, Serial No. 236,230
10 Claims. (Cl. 22—92)



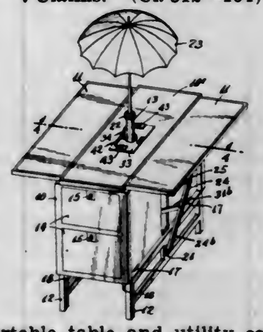
1. In a permanent mold apparatus, a base, a table mounted adjacent said base, means to move said table from a lowered position below the base to a location level with the base, a mold slidably mounted on said table, means on the table to move the mold to and from molding position, a second mold member, means to mount the second mold member on the base for movement towards and from molding position, said first and second mold members having parallel movement and said table having a movement in a plane at right angles to the plane of movement of the mold members when they are moving towards and from each other and a third mold member slidable on the base, said third mold member being movable towards and from said first and second mold members.

2,190,497
MAXIMUM DEMAND INDICATOR
Ernest Whitby, London, and Lionel Barton Swan Golds, Warlingham, England, assignors to Landis & Gyr, A-G., a corporation of Switzerland
Application April 21, 1938, Serial No. 203,260
In Great Britain April 29, 1937
7 Claims. (Cl. 171—34)



4. A maximum demand measuring device including in combination an energy quantity indicator, a meter for measuring energy consumption, a plurality of balls corresponding to energy quantities, a rotatable disc having an endless series of ball receiving apertures, means for rotating said disc at constant speed, a stationary disc located beneath said rotatable disc for supporting the balls in the apertures in the rotatable disc, said stationary disc having a ball discharging orifice, and means cooperating with balls delivered to the rotatable disc at a point near the delivery point for advancing said indicator.

2,190,498
PORTABLE TABLE AND UTILITY CABINET
John H. Williams, New York, N. Y.
Application February 7, 1938, Serial No. 189,119
7 Claims. (Cl. 312—164)



1. A portable table and utility cabinet, com-

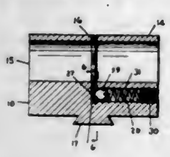
prising a hollow body having a top, table extension leaves hingedly mounted on the sides of said body and normally extending downwards along the sides and adapted to be extended upwards to horizontal positions, legs for the table hingedly mounted on the sides of said body and normally extending upwards along the sides and adapted to be extended downwards to vertical positions, an extension tube mounted through said body from the bottom to the top for supporting an umbrella and normally retracted into the top of said body and extendable therefrom, and means cooperative between said table extension leaves and said legs and said extension tube for extending said tube from the top of said body and lowering said legs when said leaves are raised.

2,190,499
STENCIL BLANK HOLDER
Robert E. Winebrenner, Hanover, Pa.
Application March 22, 1939, Serial No. 263,523
5 Claims. (Cl. 101—114)



2. A stencil holder of the class described comprising in combination, a lower jaw member having an upwardly extending flange thereon for limiting the placement of stencil blanks thereon, an upper jaw member hinged to the said lower jaw member, resilient means for retaining the jaws together and an angularly disposed shield attached to the last mentioned jaw members at the portion adapted for binding the stencil blank in the lower jaw member.

2,190,500
SIGHT FOR FIREARMS
Nicholas L. Brewer, Agawam, Mass., assignor to Savage Arms Corporation, New York, N. Y., a corporation of Delaware
Application July 23, 1938, Serial No. 220,920
4 Claims. (Cl. 33—47)
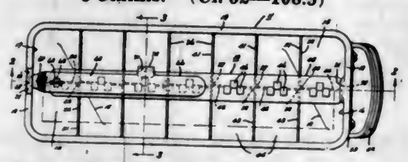


1. In a firearm sight of the readily removable and replaceable sight insert type, the combination of a hooded base having an upright, transverse, insert-receiving slot having at its bottom in the base a support for the insert, a sight insert fitting said slot and having a bottom to rest upon the said support, said insert having a hole in each of its lower corners and yieldingly tensioned cams mounted in the base opposite said holes in the insert and operating against the lower outer edges of said insert holes to yieldingly press the insert down upon said support and to center the insert laterally relative to the base.

2,190,501
PRODUCTION OF ALCOHOLS
Benjamin T. Brooks, Old Greenwich, Conn., assignor to Standard Alcohol Company
No Drawing. Application December 4, 1936, Serial No. 114,135
6 Claims. (Cl. 260—639)

1. Improvements in the process of manufacturing alcohols which comprises reacting a hydrocarbon mixture containing less than 30% of olefines with an acid hydrolyzing material to form acid esters containing less than 1 mol of combined olefin to 1 mol of the acid, separating any polymers that may be formed and contacting the residual acid liquor with a hydrocarbon mixture containing at least 30% of olefines.

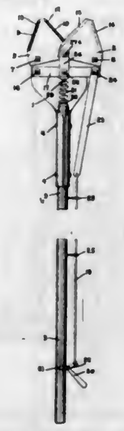
2,190,502
ICE TRAY
Francis P. Keiper, Philadelphia, Pa., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 7, 1938, Serial No. 206,613
3 Claims. (Cl. 62—108.5)



1. In combination, a tray having a unitary grid structure removably disposed therein, said grid structure comprising a relatively narrow elongated resilient metal backbone member having a plurality of separate rigid metal partitions secured thereto and depending therefrom to the bottom of said tray for dividing the interior thereof into rows of ice block compartments, each of said partitions having a part thereof extending lengthwise of said backbone member and another part thereof extending laterally from each side of said first named part, said laterally extending parts of said partitions being spaced apart along the length of said grid structure and extending outwardly a substantial distance from said backbone member to provide said ice block compartments with open tops, a lever pivotally mounted upon said grid structure and having a part thereof on one side of its pivotal mounting engaging a portion of said backbone member and having another part thereof on the other side of its pivotal mounting engaging a portion of said tray for locking said resilient backbone member in a horizontal position relative to the tray during freezing of a substance in said compartments, said lever being movable in one direction of motion to release said first named part thereof from said backbone member and being movable in another direction of motion for causing its second named part to apply force to the tray for elevating the unitary grid structure together with ice blocks adhering thereto relative to said tray, and said backbone member being flexible to permit bowing of said unitary grid structure, after same has been removed from the tray, whereby said laterally extending parts of said partitions will be moved away from one another to enlarge said ice block compartments and facilitate the removal of ice blocks therefrom.

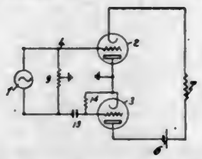
2,190,503
PRUNING SHEARS
David I. Miller, Albany, Oreg.
Application October 17, 1938, Serial No. 235,322
3 Claims. (Cl. 30—237)

1. In a device of the class described, the combination of a head made of a single piece and having a shank formed integral therewith and outwardly extending therefrom, a handle disposed within the shank and disposed coaxial therewith, a pin disposed within the head end of the handle, a pair of double edged shear blades hingedly secured to the head and secured in articulating relationship with each other, an actuating bar spaced apart from the shearing blades and hingedly secured to the head, a pull rod disposed longitudinally of the handle, a bell crank shaped handle hingedly secured to the



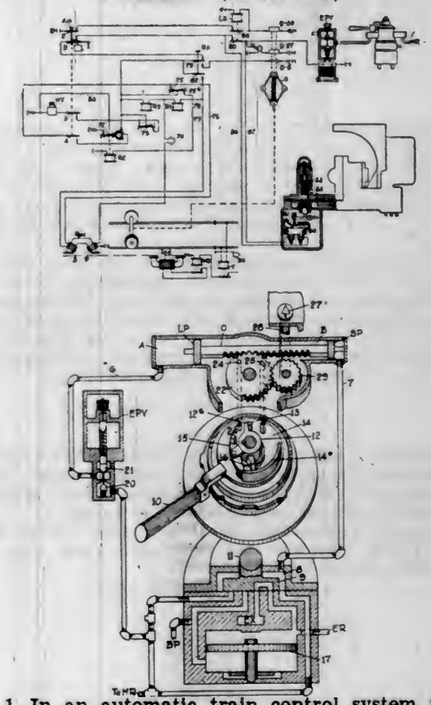
handle and secured to the pull rod, means for maintaining the pull rod in parallel relationship with the handle, a link secured upon its one end to the pull rod and upon its oppositely disposed end to the actuating bar, a link connecting the actuating bar with the shear blades, a teat outwardly extending from one end of the said link and a coil spring seated upon the base end of the link to which the teat is disposed and upon the head end of the handle and held in registry by the teat associated with the link, and by the pin associated with the end of the handle.

2,190,504
METHOD OF GENERATING IMPULSES AND IMPULSE GENERATOR
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application February 26, 1937, Serial No. 127,894
In Germany March 3, 1936
6 Claims. (Cl. 250—36)



1. An arrangement for producing short impulses by sine oscillations comprising a sine wave generator, a phase-shift-device, a circuit containing a source of direct current, two discharge gaps and an anode resistance in series, and two grids each controlling one of said gaps, the terminals of said generator being connected in push-pull to said grids, one terminal directly, the other terminal via said device shifting the phase by an amount substantially less than 180 degrees.

2,190,505
AUTOMATIC TRAIN CONTROL SYSTEM FOR RAILROADS
Percy W. Smith, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 19, 1938, Serial No. 241,397
24 Claims. (Cl. 246—63)

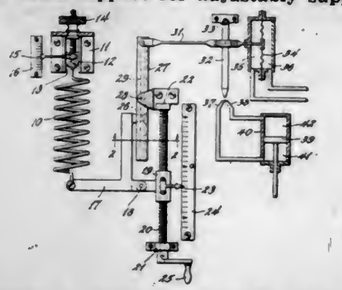


1. In an automatic train control system for railroads equipped with a block signal system and having trackway means effective near the entrance to each caution block to communicate a stopping influence to moving vehicles, vehicle carried apparatus comprising, a brake applying device, a speed responsive device operatively connected to the wheels of the vehicle, an acknowledging contactor manually operable by the engineer without applying the brakes, means for operating said brake applying device irrespective of the speed of the vehicle in response to a stopping influence if the engineer fails to have said acknowledging contactor in the operated position at the time of the transmission of said stopping influence, and means including said speed responsive device and automatically rendered effective upon manual operation of said acknowledging contactor and independently of the transmission of said stopping impulse for operating said applying device thereafter if and so long as the running speed of the vehicle exceeds a predetermined restricted speed limit.

2,190,506
APPARATUS FOR CREATING OR MEASURING FORCES
Carl Wurr, Berlin-Lichterfelde, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application December 5, 1936, Serial No. 114,485
In Germany December 6, 1935
7 Claims. (Cl. 74—522)

1. In apparatus of the character disclosed an

actuating lever having a guiding recess; a fixed pivotal support for said lever; a crank-shaped transmitting lever arranged to engage the recess of said actuating lever with one arm; a spring connected to the other arm of said transmitting lever; a fixed support for adjustably supporting



said spring; a pivotal support for said transmitting lever; and a threaded spindle for linearly displacing said pivotal support relatively to said fixed pivotal support of the actuating lever and said fixed spring support, whereby the force exerted by said actuating lever is varied in response to the square of the displacement.

2,190,507

PENCIL HAVING A MULTICOLORED LEAD

Richard Zückert, Budweis, Czechoslovakia, assignor to "Koh-i-noor" tužkárna L. & C. Hardtmuth, Budweis, Czechoslovakia, a firm

Original application April 15, 1936, Serial No. 74,470. Divided and this application July 7, 1938, Serial No. 217,856

2 Claims. (Cl. 120—83)



1. A multi-colored cylindrical pencil shaft adapted for writing and drawing having a plurality of friable longitudinal elements of different colors, said elements abutting each other along common longitudinal surfaces, the cross-sections of said elements being arranged in checkered pattern in the transverse cross-section of said shaft, said cross-sections of said elements forming a composite cross-section having a plurality of individual element cross-sections in two directions squared one to the other.

2,190,508

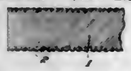
LEAD FOR BLACK-LEAD, COLORED, AND COPYING PENCILS AND THE LIKE

Richard Zückert, Bohmisch-Budweis, Czechoslovakia, assignor to the firm "Koh-i-noor" tužkárna L. & C. Hardtmuth, Ces. Budejovice, Czechoslovakia

Application January 27, 1939, Serial No. 253,621

In Germany May 30, 1936

1 Claim. (Cl. 120—83)



A process of manufacturing leads for pencils, color-pencils, copying-pencils or the like for use in cemented cover, consisting in providing in the outermost portion of the commonly used lead-composition-body inserts containing a substance easily liberating gas, in pressing to the form of a lead the lead-composition thus prepared, and in treating this lead in a suitable manner for causing the liberation of gas.

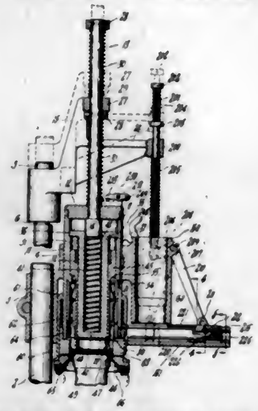
2,190,509

APPARATUS FOR CAPPING BOTTLES

Ewald G. Baum, Natick, Mass., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Application February 5, 1936, Serial No. 62,469

17 Claims. (Cl. 226—80)



12. A bottle capping machine comprising three concentric members, the outermost of said members being a sleeve and having its lower end formed to clamp sheet material, the intermediate member being formed as a sleeve with its lower end shaped to clamp said sheet material against the mouth of a bottle to be capped, the inner of said members being formed as a plunger to depress the central portion of said sheet material into the bottle mouth, wipers supported between said intermediate and outer members for wiping the margin of said sheet material about the outside of the bottle adjacent to its top, and means for moving said concentric members relatively axially in proper timed relation to conform said material to the mouth portion of the bottle.

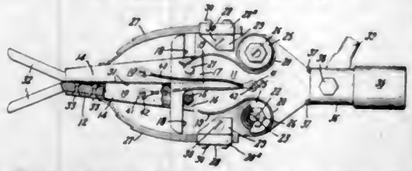
2,190,510

CONNECTOR CLAMP

Myron A. Best, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 16, 1938, Serial No. 246,159

10 Claims. (Cl. 173—273)



1. In an electrical connector, a support, a pair of jaws mounted on said support and adapted to receive a conductor therebetween, one of said jaws having a floating pivotal connection with said support, a first spring means for engaging said one jaw near said pivotal connection to bias it toward the other of said jaws, and a second spring means engaging said one jaw at a point remote from said pivotal connection to bias it toward the other of said jaws and to move said

pivotal connection away from said other jaw against the bias of said first-mentioned spring means when a conductor is received between said jaws intermediate the points of application of said first and second spring means.

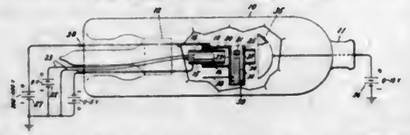
2,190,511

ULTRA SHORT WAVE SYSTEM

John M. Cage, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 1, 1938, Serial No. 193,316

7 Claims. (Cl. 250—17)



1. In combination, means for producing an electron beam and a pair of electrically separate concentric conductors arranged transversely to and in the path of the electron beam, said conductors being provided with aligned openings to permit passage of the beam therethrough and being electrically connected to one another at a point spaced from the axis of the beam by a distance corresponding approximately to an odd number of quarter wave lengths of an electrical quantity desired to be transmitted along the conductors.

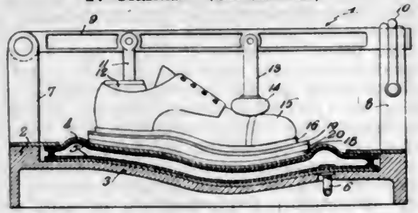
2,190,512

MANUFACTURE OF FOOTWEAR

Alfred W. Donovan, Quincy, Mass.

Application January 8, 1938, Serial No. 183,937

17 Claims. (Cl. 12—38)



1. Method of imparting to the forepart and shank portions at least of the outer sole of a shoe substantially that surface configuration which is desired in the finished shoe, which comprises as steps providing a rigid contouring form having a surface which is substantially the exact complement of the desired final finished surface of the outer sole, disposing the outer sole against the bottom of a lasted shoe previously made ready for the reception of the outer sole, disposing the contouring form in contact with the outer sole and pressing the form with heavy pressure against the outer sole thereby to impart the desired surface configuration to the outer sole, and while so applying pressure roughening the heel seat surface of the outer sole.

2,190,513

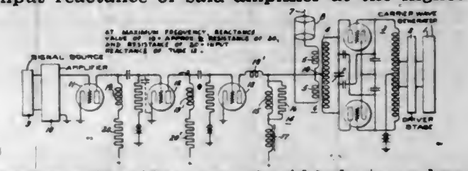
HIGH FREQUENCY CIRCUITS

George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application March 24, 1936, Serial No. 70,567

5 Claims. (Cl. 179—171)

1. In combination, an electron discharge amplifier having input electrodes comprising a cathode and control grid, a source of oscillations having component frequencies extending over a wide range, and an impedance network for impressing said oscillations on said input electrodes including a series connected resistance and inductance connected across said source and in shunt to the input capacity of said amplifier, said resistance having a value substantially equal to the input reactance of said amplifier at the highest



frequency in said range and said inductance having a reactance value at the highest frequency in said range equal approximately to one-half the value of said resistance, whereby substantially equal transmission efficiency is obtained for all of said component frequencies.

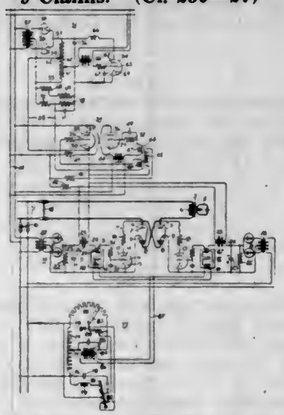
2,190,514

ELECTRIC VALVE CIRCUITS

George W. Garman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application January 28, 1938, Serial No. 187,429

9 Claims. (Cl. 250—27)



1. In combination, an alternating current circuit, an electric valve means connected to said circuit and having a control member for controlling the conductivity thereof, and an excitation circuit for energizing said control member comprising means for impressing thereon a biasing potential tending to maintain said electric valve means nonconductive, means for impressing on said control member a voltage tending to render said electric valve means conductive during a predetermined number of half cycles of voltage of said alternating current circuit but being of a value insufficient to overcome said biasing potential and means for impressing on said control member an alternating voltage which cooperating with said voltage is effective to render said electric valve means conductive during said number of half cycles.

2,190,515

ULTRA SHORT WAVE DEVICE

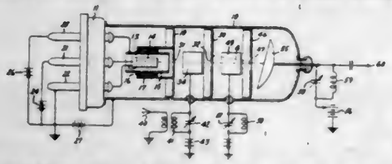
William C. Hahn, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 15, 1938, Serial No. 219,386

6 Claims. (Cl. 250—20)

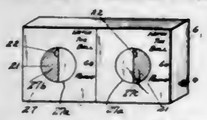
1. A converter comprising means including a cathode for developing an electron stream, a pair

of successively arranged electrodes operable to produce velocity variations in the electron stream, said electrodes being sufficiently shielded from the cathode so as to be incapable at normally applied potentials of producing appreciable charge density variations in the stream, means connected with one of said electrodes for causing such electrode to produce electron velocity variations in the stream corresponding to a signal frequency, means connected with the other electrode



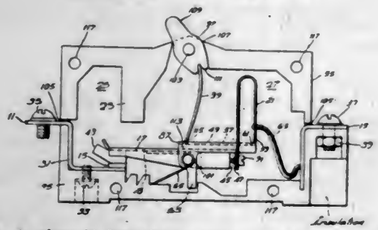
for causing such electrode to produce electron velocity variations in the stream at a fixed frequency different from the signal frequency, means reacting on the stream in a manner which varies non-linearly with the velocity of the stream, thereby to obtain in the stream charge density variations having frequency components resulting from the mixing of the said signal and fixed frequencies, and means selectively responsive to a particular frequency resulting from such mixing for abstracting energy from the stream.

2,190,516
STEREOSCOPIC PICTURE DEVICE
Milton M. Idzal, Sioux City, Iowa
Application December 31, 1935, Serial No. 56,875
1 Claim. (Cl. 128—76.5)



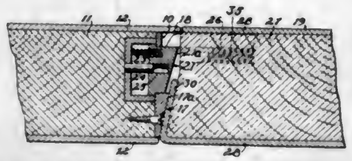
A stereoscopic picture device comprising a stereoscopic picture having a left hand and a right hand semicircular opening, a pair of targets, one for each opening, eccentrically rotatable behind said openings and having their centers of rotation upon the center of the straight portions of said semicircular openings, said semicircular openings adapted to provide visibility of said target alternately to the left and right eye of an observer.

2,190,517
CIRCUIT BREAKER
Oliver S. Jennings, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1936, Serial No. 116,324
Renewed July 20, 1939
35 Claims. (Cl. 200—116)



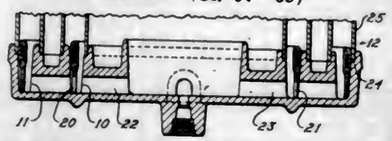
14. A circuit breaker unit comprising a casing of insulating material, a pivotally mounted switch member, means biasing said member to open circuit position, an actuating member pivoted about the same axis as said switch member, means including an electro-responsive device for normally connecting said members for movement together, operating means including an operating member mounted for movement relative to said actuating member, and an overcenter spring for moving said actuating member and the normally connected switch member to open and to closed circuit position with a snap action, said electro-responsive device being operable in response to predetermined conditions to effect disconnection of said switch member from said actuating member to allow said biasing means to move said switch member to open circuit position, said operating member being pivotally mounted in bearings provided in the insulating material of said casing.

2,190,518
AUTOMOBILE DOOR LATCH
Richard E. Joyce, Jr., Meriden, Conn.
Application May 25, 1938, Serial No. 209,937
3 Claims. (Cl. 292—340)



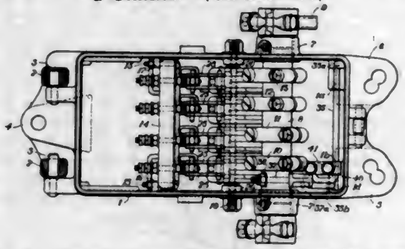
1. As an article of manufacture, a striker plate comprising a casing open at one end having opposite flanges laterally projecting inwardly from said open end, one of said flanges terminating in a first plane retaining shoulder and extending laterally outwardly from said open end and having a wedging surface gradually ascending to the top of said shoulder, a main retainer slidable in the casing and having opposite stop shoulders and a portion projecting through the open end of said casing, said portion having a second plane retaining shoulder and a wedging surface gradually descending from the top of said second shoulder and extending to said first shoulder below the top thereof when said main retainer is in retaining position, and a spring between the bottom of the casing and said main retainer urging the latter into retaining position in which said stop shoulders engage said flanges.

2,190,519
WICK FOR DISTILLATE BURNERS
Ernest C. Leach, West Peabody, Mass., assignor to Lynn Products Company, Lynn, Mass., a corporation of Massachusetts
Application April 26, 1938, Serial No. 204,279
3 Claims. (Cl. 67—69)



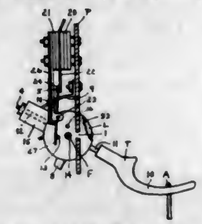
2. A tape for a distillate burner wick comprising a substantially rectangular, thin body of absorbent, non-combustible material having a hem along at least one longitudinal edge and a stiffener longer than the tape run through the internal passage in the hem.

2,190,520
CIRCUIT CONTROLLER
Edwin G. Little, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 30, 1937, Serial No. 182,490
4 Claims. (Cl. 200—17)



1. A circuit controller comprising a contact controlling shaft rotatable between two contact operating positions, a bifurcated arm secured to said shaft, a spring comprising a rod extending parallel to said shaft and having one end fixed and the other end provided with a loop which extends between said bifurcations, the parts being so proportioned that when said shaft is midway between its two extreme positions said loop will be located midway between said bifurcations but that rotation of said shaft to either extreme position will cause one bifurcation or the other of said arm to engage said loop and twist said rod.

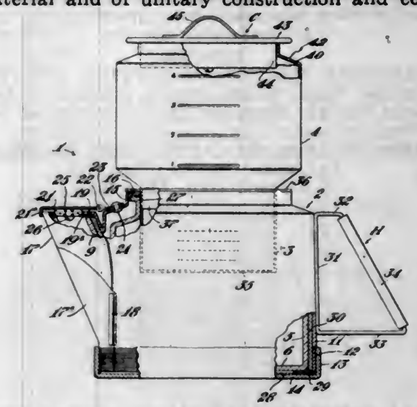
2,190,521
STOP MOTION FOR KNITTING MACHINES
Joseph D. Normandeau, Nashua, N. H.
Application June 23, 1938, Serial No. 215,366
8 Claims. (Cl. 66—163)



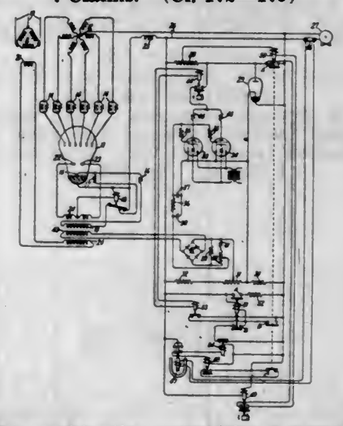
7. The combination in a stop motion for knitting machines; of electrical devices operable to stop the machine; with devices to close the circuit for said stopping devices; a stationary contact in the circuit; a feeler, including a medially pivoted single feeler arm with a feeler finger at one end which is open at the top and over which the thread passes, a yieldable adjustable stop to keep the other end of the feeler arm normally below a predetermined point until a predetermined maximum pressure is exerted by the thread and means to cause said other end of the feeler arm to drop when a predetermined minimum pressure is exerted on the feeler finger together with grounded attachments, whereby a movable contact will engage the stationary contact when the pressure on the feeler finger is above the maximum or below the minimum.

2,190,522
COFFEEPOT
Antonio Pagliuco, Natick, Mass.
Application January 27, 1939, Serial No. 253,048
7 Claims. (Cl. 53—3)

1. A drip coffeepot having an inner container for the brewed coffee, an outer casing provided with a handle, and a cushioning jacket interposed between the casing and container, characterized in that the container is of vitreous material and of unitary construction and comprises a spout member, and the casing has a spout member within which the spout member of the container is normally nested, the casing having a removable bottom and a removable side wall section thereby to permit removal of the container with its spout from the casing.



2,190,523
ELECTRIC VALVE CONVERTING SYSTEM
Stephen E. Rogers and Austyn L. Whiteley, Rugby, England, assignors to General Electric Company, a corporation of New York
Application August 17, 1938, Serial No. 225,468
In Great Britain August 18, 1937
7 Claims. (Cl. 172—179)



6. The combination comprising a source of alternating current, a direct current load circuit including a regenerative load, rectifying means interconnecting said source and said load circuit, a loading resistor connected in series with an electric valve across said load circuit, means responsive to a predetermined relation between the voltage of said source and the voltage of said load circuit for rendering conductive said valve, a second loading resistor, means responsive to the conductivity of said valve and to a reversal of the direction of flow of current in said load circuit for connecting said second resistor across said load circuit, means for removing said first load

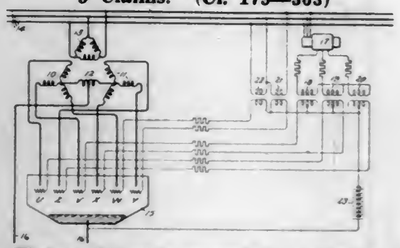
resistor from said load circuit after a predetermined time after the cessation of reverse current flow in said load circuit, and means responsive to a predetermined value of normal flow of current in said load circuit for removing said second load resistor from said load circuit.

2,190,524

ELECTRIC VALVE CONVERTING SYSTEM

Yoshiaki Toda, Tokyo, Japan, assignor to General Electric Company, a corporation of New York

Application January 4, 1939, Serial No. 249,294
In Japan January 21, 1938
5 Claims. (Cl. 175—363)



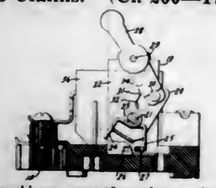
1. The combination comprising a source of alternating current, a direct current load circuit, an electric valve rectifier interconnecting said source and said load circuit, said rectifier including at least two polyphase networks having neutrals interconnected by an interphase inductive winding, a group of electric valves for each of said networks, said valves each having a control electrode, a control circuit for said electrodes including means for supplying to one electrode of each group of valves for a predetermined time a potential tending to render conductive the valves thereof and means for supplying to the remaining electrodes of said valves for a time interval which is short relative to said predetermined time potentials tending to render the valves conductive.

2,190,525

ELECTRIC SWITCH

Fred H. Travers, Stratford, Conn., assignor to General Electric Company, New York, N. Y.

Application January 29, 1937, Serial No. 123,036
3 Claims. (Cl. 200—17)



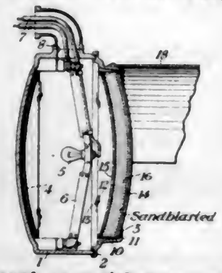
1. An operating mechanism for an electric switch comprising a supporting structure, a shaft journaled in said supporting structure, a U-shaped rocker carried by said shaft with said shaft secured to the arms of the U, a track on said rocker having a plurality of notches, a spring mounted on said shaft between the arms of the rocker and having ends engaging said supporting structure and the rocker for opposing movement of said rocker from the vertical position, a lever pivoted in said supporting structure and a roller carried by said lever and adapted to engage the notches in said track whereby movement of said rocker is produced by movement of said lever and the positioning of the rocker is accomplished by the location of the roller in one of said notches.

2,190,526

LIGHT SIGNAL

Wesley B. Wells, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 6, 1938, Serial No. 223,467
1 Claim. (Cl. 40—133)



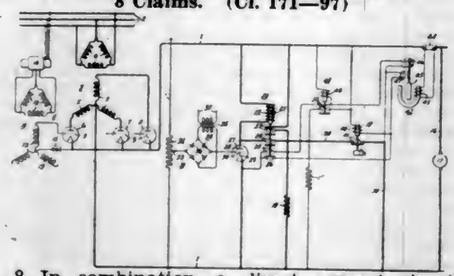
A light signal comprising a casing provided with a front door having an aperture, a source of light in said casing, a parabolic reflector in said casing for projecting a beam of substantially parallel rays toward said aperture, a cover glass mounted in said door and closing said aperture, a stencil mounted in said door between said cover glass and said source and having light transmitting and non-light transmitting portions arranged to form signal indicia, said stencil having the non-light transmitting portions of its surface on the side adjacent to said source provided with light reflecting means and being shaped similar to said reflector and being so positioned that its focal point will be disposed at said source, whereby said stencil acts partly as a reflector to improve the efficiency of the signal, and a screen structure disposed between said stencil and said cover glass and arranged to permit light rays from said beam to emerge from the signal but to prevent light rays entering the signal through said cover glass from rendering said signal indicia visible, the inner surface of said cover glass being roughened to add some spread to the signal indication and to assist in rendering the signal indicia invisible due to extraneous light.

2,190,527

ELECTRIC VALVE CIRCUIT

Austyn L. Whiteley, Rugby, England, assignor to General Electric Company, a corporation of New York

Application April 12, 1939, Serial No. 267,462
In Great Britain June 10, 1938
8 Claims. (Cl. 171—97)



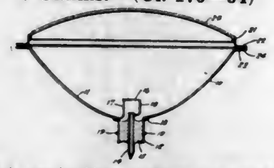
8. In combination, a direct current circuit, means for energizing said direct current circuit, a regenerative load circuit connected to said direct current circuit, a load device, a control circuit connected in parallel with said electric valve means, an electric valve means having an anode, a cathode and a control member, a contactor having an actuating coil connected in series relation with the anode-cathode circuit of said electric valve means for connecting said load device across said direct current circuit and for closing said control circuit so that said electric valve means conducts current only during the initiating operation of said contactor, means responsive to a predetermined electrical condition of said direct current circuit for rendering said electric valve means conductive, timing means connected in said control circuit to limit the period of time during which said load device is connected across said direct current circuit, a second load device, means responsive to said contactor for connecting said second load device across said direct current circuit, and current directional means connected in said direct current circuit for controlling the operative period of said last mentioned means and said timing means.

2,190,528

ELECTRIC PROJECTION DEVICE

Daniel K. Wright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application March 13, 1936, Serial No. 68,714
Renewed May 21, 1937
7 Claims. (Cl. 176—34)



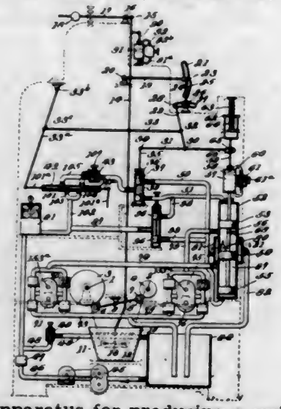
1. A light projecting device comprising a concave metal reflector, a cover glass, a metal ring sealed directly to the rim of said cover glass and united to the rim of said reflector to form a hermetically sealed enclosure, and a light source mounted in said enclosure in definite relation to the focus of said reflector.

2,190,529

APPARATUS FOR PRODUCING A UNIFORM TENSION IN WINDING DEVICES

Max Bretschneider, Plauen, Germany

Application October 4, 1935, Serial No. 43,593
In Germany October 11, 1934
21 Claims. (Cl. 242—55)



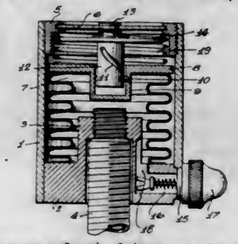
1. An apparatus for producing a uniform tension in material, particularly the material being treated in jigger dyeing machines comprising means for feeding said material, means responsive to variations of tension in said material, braking means operative on said feeding means to vary the tension of the material fed thereby, a motor controlling the operation of said braking means, means for reversing the action of said feeding means and means operated by said reversing means for reversing the operation of said motor.

2,190,530

TIRE GAUGE

William S. Clarkson, Ann Arbor, Mich.

Application November 22, 1937, Serial No. 175,763
4 Claims. (Cl. 73—110)



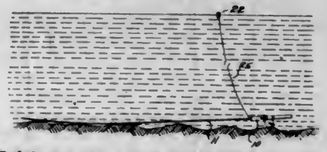
1. A tire gauge adapted to remain permanently on a tire, said gauge comprising a cylindrical body having a rigid closure at one end and a transparent closure at its other end, means in the rigid closure for mounting the body on the hollow stem of a tire, a bellows having one end secured to said rigid closure, a disk closing the other end of said bellows, a rotary indicator disk adjacent the transparent closure, means mounted in said transparent closure for rotatably supporting said indicator disk, and means for converting axial movement of said bellows disk into rotary movement of the indicator disk.

2,190,531

RETRIEVING DEVICE

Benjamin F. Kaboskey and Chester J. Walczak, Milwaukee, Wis.

Application August 21, 1939, Serial No. 291,246
2 Claims. (Cl. 43—25)



1. A fishing rod retrieving device comprising a cylindrical tube perforated near one end, an end wall in the tube at the perforated end having an opening therein, means on the tube for attaching the tube to a fishing rod, a helical spring in the tube adjacent the perforations and abutting said end wall, an endless soluble band passed around the spring to hold the spring compressed and permit the spring to expand upon being dissolved by action of water on the band, an indicating float in the tube adapted to be expelled from the tube upon expansion of the spring, and a spool of thread carried by the float, the ends of the thread being connected respectively to the float and to the tube.

2,190,532

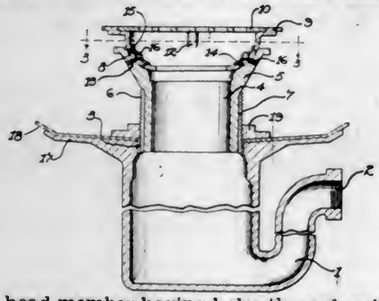
ADJUSTABLE LEVELING DRAIN HEAD

Stanley Lukomski, Detroit, Mich.

Application April 16, 1938, Serial No. 202,380
4 Claims. (Cl. 182—31)

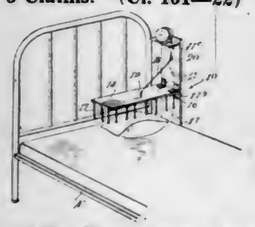
1. A drain head assembly comprising a tubular

head member having a spherical seat in its upper end, a bowl of substantial depth having a spherical portion fitted in said seat and rotatably adjustable therein, a strainer carried by said bowl,



said head member having holes through said seat and said bowl having larger holes registering with the first holes, and securing means passing through the registering holes.

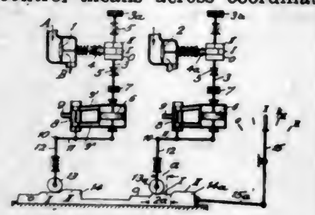
2,190,533
ALARM DEVICE
Benjamin F. MacPherson, San Francisco, Calif.
Application June 29, 1939, Serial No. 281,970
3 Claims. (Cl. 161—22)



1. An essentially silent alarm device comprising a supported standard; a pivotally mounted downwardly swinging member attached to said standard adapted to overlie portions of a bed when the standard is positioned thereagainst; ticklers carried on said member for annoying and awakening a sleeper when the member is in horizontal position; and means for holding the member in raised position comprising a relatively inextensible cable attached to one end to distal parts of the member, a time controlled power driven spool mounted on the standard near the top thereof to which the free end of the cable is attached in a manner such that rotation of the spool causes the member to be raised or lowered.

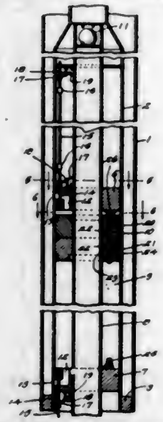
2,190,534
MULTISTAGE CONTROL DEVICE FOR POWER DRIVEN VEHICLES INCLUDING A PLURALITY OF PRIME MOVERS
Hans Nyffenegger, Winterthur, Switzerland, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland
Application October 3, 1938, Serial No. 233,101
In Germany October 7, 1937
7 Claims. (Cl. 60—97)

1. In a multistage control device for power driven vehicles including a plurality of pressure fluid operated prime movers and driving axles driven thereby, prime mover units including at least one prime mover, individual control means correlated to each of said units for adjusting the pressure fluid admission of each prime mover included in the respective unit in steps of consecutive main cut-off stages, and means for commonly adjusting said individual control means of all of said units for a non-intermissive tractive effort of the vehicle by shifting said individual control means across coordinated main



cut-off stages for unidirectional movement of said units, in relatively staggered relation, for obtaining intermediate cut-off stages of the device between the main cut-off stages of said units.

2,190,535
PUMP
William T. Robertson, Okemah, Okla.
Application September 20, 1938, Serial No. 230,856
4 Claims. (Cl. 103—46)

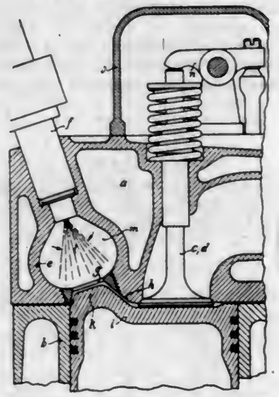


1. A deep oil well pump comprising a cylinder located in a well and terminating in close proximity to the bottom of said well and including a standing valve, upper and lower heads mounted in said cylinder, valve actuating means carried by the said heads, a tubular pump element slidably supported by said heads, a check valve carried by said pump element, a power piston operating in said cylinder between the heads and secured to said pump element, said power piston having exhaust passages therein communicating with the cylinder through the upper and lower faces of the piston and with the tubular element respectively, sliding valves carried by the piston and positioned transversely of the passages and protruding beyond the upper and lower faces of the pistons, said valves being cooperatively connected so that one of the exhaust passages will always be open to the cylinder through one face of the piston and the other of the passages will be closed to the cylinder through the opposite face of the piston and as the piston reciprocates between the heads, the valve actuating means will engage the said valves to close the opened passage and to simultaneously open the other of the said passages, and means for alternatingly admitting fluid pressure to opposite sides of the power piston for the reciprocation of the power piston.

2,190,536
METHOD OF MANUFACTURING HOLLOW ARTICLES FROM METALS
Karl Staiger, Aachen, Germany, assignor to Firma Kreidler's Metall- & Drahtwerke Gesellschaft mit beschränkter Haftung, Stuttgart-Zuffenhausen, Germany, a firm of Germany
No Drawing. Application November 23, 1937, Serial No. 176,143. In Germany November 6, 1936
1 Claim. (Cl. 29—1.3)

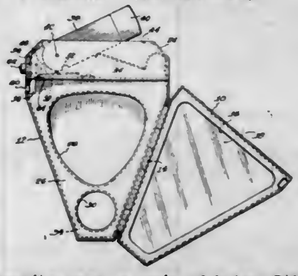
The process of producing cartridge cases of zinc-copper alloys comprising casting a bar of the alloy of sufficient diameter that a fine grained cast structure will result, and to be cut transversely into disc-shaped work pieces of sufficient size to be worked into cartridge cases, then without any preliminary plastic deformation which alters the structure of the alloy subjecting the discs to a series of drawing operations alternating with annealing treatments, the temperature of the alloy in the first drawing operation being below the usual hot-working temperature of the alloy and the first drawing operation performing a high degree of deformation to avoid roughening the surface of the articles.

2,190,537
DIESEL MOTOR
Paul Wiebicke, Nuremberg, Germany
Application May 2, 1938, Serial No. 205,438
In Germany May 3, 1937
1 Claim. (Cl. 123—32)



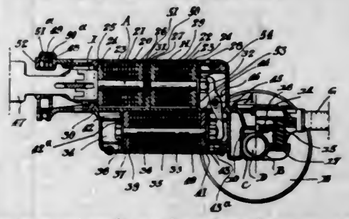
A Diesel motor comprising a cylinder, a cylinder head, a piston reciprocable within said cylinder, said cylinder head having a substantially pear-shaped combustion chamber with its base towards the cylinder and a passageway affording communication between said chamber and the cylinder, said passageway flaring toward the cylinder and, where it opens into said chamber, being of smaller diameter than said chamber, said chamber and passageway being coaxial with their axes intersecting the axis of the cylinder at a point remote from said head, a frustoconical projection on the piston to enter and to substantially completely fill said passageway when the piston is at its limit of outward movement, said projection being coaxial with the passageway at the limit of the outward movement of the piston and having its upper end face at right angles to its axis, and a fuel injection nozzle disposed to inject fuel into said combustion chamber from the outer end thereof and coaxial with said chamber, the combustion chamber being of a width greater than the jet of fuel delivered into the same by the fuel nozzle whereby, upon outward movement of the piston, air forced from the cylinder into said chamber counter to the delivery of fuel therein, causes the fuel to be spread throughout the combustion chamber and to become thoroughly intermixed with the air.

2,190,538
VANITY CASE
Floyd M. Williamson, Detroit, Mich.
Application July 11, 1938, Serial No. 218,510
7 Claims. (Cl. 206—37)



1. In a vanity case, a pair of inter-fitting casing members forming a compartment therebetween, a cover hinged to one of said casing members, a cosmetic holder normally confined within said compartment and pivotally supported at an end therein, said compartment having an opening adjacent said holder, means engaging the free end of said holder for urging same about its pivoted support through said opening, a member anchored at one end in said compartment and formed intermediate its ends with an upstanding portion, an interruption formed on the surface of said holder and engaged by said upstanding portion for locking said holder against pivoted movement, a spring supported and positioned in said compartment, and a cam operable externally of said compartment for depressing the free end of said anchored member to release said upstanding portion from said interruption, whereby said holder is urged outwardly through said opening by said means, said spring having a free hooked end engageable with said cover for locking said cover and casing members together during the normal position of said cam.

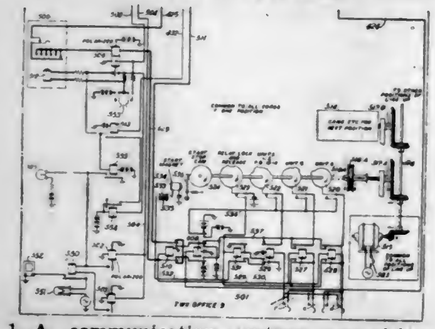
2,190,539
TWO-WHEEL CAR TRUCK
Joseph Ashmore Cameron, Montreal, Quebec, Canada
Application February 11, 1935, Serial No. 6,057
6 Claims. (Cl. 213—7)



1. In a car truck, a housing having two cylindrical sections mounted one above the other, with an opening at one end between the same, a reciprocably mounted coupling element in the upper section, resilient means in the lower section resisting such movement of the element, a lever mounted in the housing fulcrumed inter-

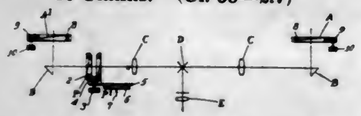
mediate of its length, having one end connected to the coupling element and the opposite end connected to the resilient means.

2,190,540
PRINTING TELEGRAPH SYSTEM
James Michael Desmond, Great Neck, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 6, 1938, Serial No. 200,542
7 Claims. (Cl. 178—2)



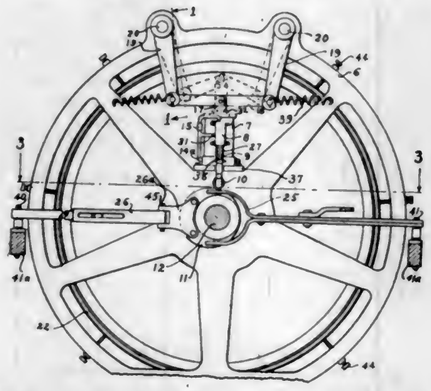
1. A communication system comprising a single signaling channel of transmission, a permutation code sending device connected thereto for sending out code combinations in definitely timed groups, a permutation code receiving device connected to said channel and responsive to said sending device, a second permutation code sending device connected to said channel for sending code combinations in groups of definitely different timing than those of the first-mentioned sending device, a second permutation code receiving device responsive to the code combinations sent by said second sending device, and instrumentalities whereby transmission of code combinations from the first-mentioned sending device is prevented from setting up selections in the second-mentioned receiving device.

2,190,541
RANGE FINDER AND LIKE OPTICAL MEASURING INSTRUMENT
James Weir French, Anniesland, Glasgow, Scotland, assignor to Barr and Stroud, Limited, Glasgow, Scotland
Application January 10, 1938, Serial No. 184,280
In Great Britain January 14, 1937
16 Claims. (Cl. 88—2.7)



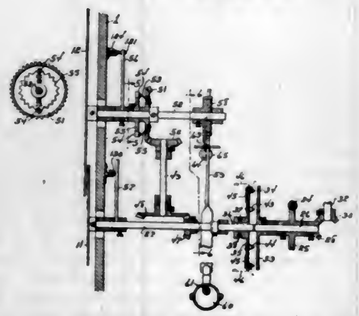
1. A range finder comprising measuring prism means arranged permanently and angularly movably in the path of the light within the instrument, means for moving said prism means for effecting measurement of range, the extent of movement arranged for corresponding with range readings from a minimum to the maximum finite range which the instrument is to determine, and supplementary movable light deviating means permanently in the path of the light, and normally stationary in the operation of range finding, means for moving said supplementary light deviating means independently of the measuring prism means, to effect settings of the instrument above said maximum finite range, and one and the same graduated scale serving for all range readings obtainable with the instrument.

2,190,542
HYDRAULICALLY OPERATED CLUTCH
Charlie E. Geiser, Wichita Falls, Tex.
Application July 25, 1936, Serial No. 92,681
6 Claims. (Cl. 192—85)



2. In combination with a friction clutch and mounted thereon, a hydraulic unit comprising a motor, a pump mounted upon said motor, an eccentric held against rotation to actuate said pump, said eccentric being tapered substantially in conical shape, and means to slide the eccentric into and out of engagement with said pump.

2,190,543
SCOREBOARD
James O. Ivie and Horace Leon Ivie, Logan, Utah
Application August 14, 1934, Serial No. 739,822
7 Claims. (Cl. 161—17)



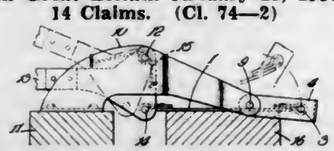
1. A time indicating mechanism comprising a dial, an indicator movable over said dial, operating means for said indicator including a driving shaft and a driven shaft, time-controlled means for rotating said driving shaft, and gearing connecting the driving shaft and the driven shaft including a gear loosely mounted on the driven shaft, a notched disk secured on the driven shaft adjacent the loosely mounted gear, the number of notches on said notched disk corresponding to the divisions on the dial, fingers secured on the loosely mounted gear and yieldably engageable in the notches of the disk, and a resetting mechanism for said indicator.

2,190,544
CHRISTMAS TREE BASE ORNAMENT AND SUPPORT
Kossuth W. Jarnagin, Kirkwood, Mo.
Application April 28, 1938, Serial No. 204,867
5 Claims. (Cl. 41—10)



5. A combined tree base ornament and tree stand, comprising a flat frame constructed of spaced parallel side bars, transverse bars connecting said side bars, a central bar extending longitudinally of the frame, the ends thereof extending appreciable distances beyond the transverse bars, obliquely disposed bars connecting the ends of the central bars and side bars, a covering of wire mesh material stretched over the frame, and formed with depressions simulating the roughened ground surface, an ornamental fabric covering stretched over the wire mesh material and conforming with the depressions thereof, and a tree socket rising from the frame.

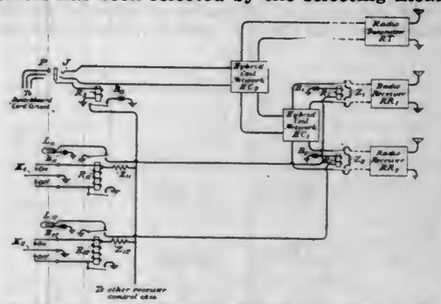
2,190,545
TEMPERATURE-ACTUATED MECHANISM
Donald Rudolf Lambert, Carshalton, England
Application December 16, 1937, Serial No. 180,230
In Great Britain January 11, 1937
14 Claims. (Cl. 74—2)



1. Temperature-actuated mechanism, comprising a toggle joint consisting in combination of a bi-metallic toggle member, a pivot for said toggle member, a second toggle member, a support for said second toggle member, said second toggle member being movable relatively to said support and said toggle members being in movable cooperative relationship with each other, and a yieldable force-applying member constructed and arranged to effect the collapse of said toggle joint when said bi-metallic member attains a predetermined temperature.

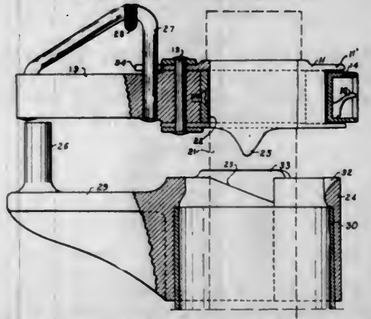
2,190,546
CONTROL CIRCUIT FOR RADIO RECEIVERS
Otto Theodore Laube, East Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 27, 1938, Serial No. 227,201
7 Claims. (Cl. 250—20)

1. In a signaling system, the combination of a plurality of radio receivers located at different points and wired to a common receiving circuit where said receivers simultaneously monitor a distant station, each receiver being adjusted for receiving the same signals from said distant station, means for selecting one of said receivers and for observing its output and for disconnecting all of the other receivers from the receiving circuit, means for indicating which of the various receivers has been selected by the selecting means,



and means for subsequently reconnecting all of said radio receivers to the common receiving circuit so that the outputs of all of said receivers may again be received by said common circuit.

2,190,547
COMBINATION ELEVATOR AND WRENCH
John E. Le Bus, Electra, Tex., assignor to David Erickson, Wichita Falls, Tex.
Application May 7, 1937, Serial No. 141,367
10 Claims. (Cl. 255—35)

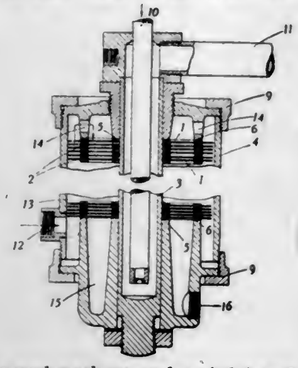


1. In a combined wrench and elevator, the combination of an elevator body constructed for supporting a pipe section, a wrench lever hinged to said elevator body and having a jaw in position to engage and hold a pipe section, said wrench lever extending outwardly from the body, a support, a back-up post carried by the support in position to engage the wrench lever, and interengaging means between the elevator body and the support whereby the weight of the pipe section on the body causes bodily turning movement of the body relative to the support and causing pressure of the wrench lever against the post to tighten the jaw against the pipe section.

2,190,548
CATALYTIC APPARATUS
Christopher Pleydell-Bouverie and Owen David Lucas, London, England, assignors to The Research Trust Limited, London, England, a corporation of Great Britain
Application July 23, 1936, Serial No. 92,266
In Great Britain July 25, 1935
8 Claims. (Cl. 23—288)

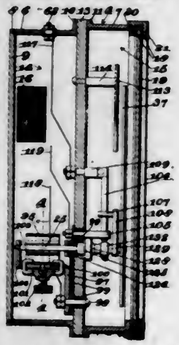
5. Apparatus for carrying out catalytic reactions on fluids comprising a central tube having imperforate walls, a plurality of perforated discs strung on said tube, a set of spacing washers disposed between said discs and having an internal

diameter substantially equal to the external diameter of said tube, a further set of impervious spacing washers disposed between said discs and having an external diameter smaller than the diameter of said discs, a casing surrounding said



tube, discs and washers and an inlet and an outlet in said casing for the fluid to be reacted disposed so as to constrain said fluid to travel parallel to the axis of said tube and the perforations in said discs accounting for from 30 to 50% of the superficial area of said discs.

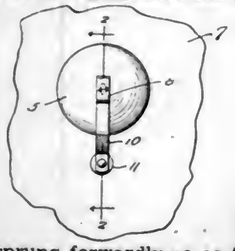
2,190,549
HYGROMETER OPERATED SWITCH
Karl F. Schoew, Huntington, W. Va.
Application August 24, 1935, Serial No. 37,763
2 Claims. (Cl. 200—52)



1. In a hygrometer operated switch, an absorption element of spiral form, means coupled with said element for operation of the coupled element by lengthening and contraction of the element, and an anchorage for the free end of said element, said anchorage comprising a bracket, a yoke carried by the bracket having means to engage the element, and means to actuate the yoke in order to clamp down on the element.

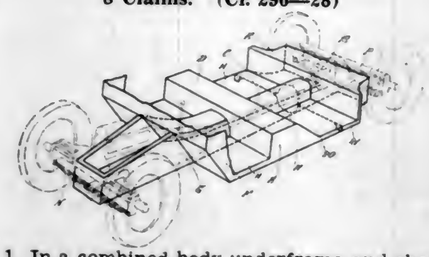
2,190,550
SUPPORTING HOOK
Victor E. Simmons, Johnstown, Pa.
Application May 9, 1938, Serial No. 206,875
1 Claim. (Cl. 248—206)

A supporting device of the character described comprising a suction cup, a strip of spring metal secured at one end to the central portion of said suction cup at the forward side of the latter, said spring metal strip extending downwardly and rearwardly, and a supplemental smaller suction cup carried by the lower end of said spring metal strip and arranged to engage the supporting surface beneath the first-named suction cup with the



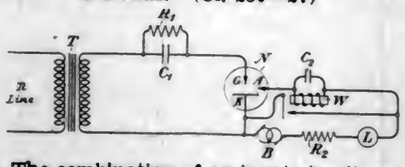
spring strip sprung forwardly so as to be placed under tension, and a forwardly projecting hook member integral with the upper end of said spring strip.

2,190,551
VEHICLE
William Swallow, Headington, Oxford, England, assignor to The Pressed Steel Company of Great Britain Limited, Oxford, England, a British company
Application September 26, 1935, Serial No. 42,188
In Great Britain October 5, 1934
8 Claims. (Cl. 296—28)



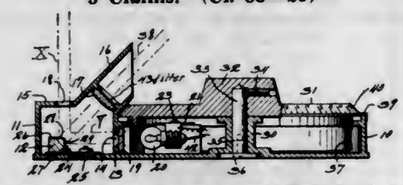
1. In a combined body underframe and chassis structure for vehicles; a sheet metal flooring; a hollow section downwardly open keelson integral with said flooring; a keel member closing the keelson to form a vertically deep box section central longitudinal principal load carrying sill having a high resistance to torsion and weaving; transverse downwardly presenting hollow section frame members being closed by cover plates to form hollow box section structures; said transverse box section structures being rigidly connected with said flooring, said keelson and said keel; and downturned flanges along the lateral edges of and integral with said flooring, said flanges being of a depth sufficient to provide faces through which bottom parts of body side wall structures may be secured.

2,190,552
GAS TUBE CIRCUIT
Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 3, 1936, Serial No. 88,904
4 Claims. (Cl. 250—27)



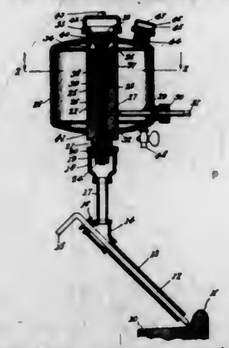
1. The combination of an input circuit, a work circuit independent of said input circuit, and a gas tube having an electrode of large area and another electrode between which the input circuit is connected, said tube having a third, point-like electrode which is connected to the electrode of large area through the work circuit, said input circuit including a condenser which, upon discharge, will maintain the gas within the tube ionized for a predetermined time interval, the charging circuit of said condenser including the electrodes of said tube to which the input circuit is connected.

2,190,553
PHOTOMETER FOR MEASURING EXPOSURES AND DENSITIES
Philip R. Tarr, Cuyahoga Falls, Ohio
Application May 14, 1938, Serial No. 208,000
5 Claims. (Cl. 88—23)



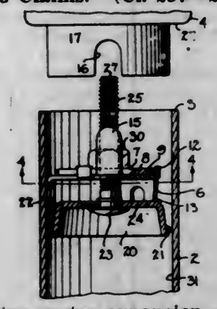
3. A photometer, comprising a flat circular casing having a bottom wall and a side wall, a rotary dial constituting a top wall and having graduations about its rim, an annular band secured along one edge to the inner side of the dial and constituting an absorption screen, a housing extending radially from the casing side wall, the side wall having a light window opening from the casing into the housing, the housing having a top wall provided with a light window, a comparison block fixed in the housing and having two perpendicular faces each facing a light window, means within the area defined by said band for directing a light beam through the band and through said first window toward the block face in line therewith, an index on the casing wall correlated with said graduations, a sight tube opening through the top of said housing and directed thereinto toward the edge of the block formed at the intersection of said faces, and a lens in said tube, the optical axis of which intersects said edge.

2,190,554
FLANGE OILER
Angelo Tecca and Patrick Tecca, Livingston, Mont.
Application August 9, 1938, Serial No. 223,914
2 Claims. (Cl. 184—3)



1. A wheel flange oiler comprising depositing means for the oil upon the flange, a mixing housing for oil and steam in communication with said depositing means, a hollow barrel connected to said housing, an oil reservoir extending about said barrel, a plunger rod movable axially in the hollow barrel, a plunger at the upper portion of said rod, an oil valve at the lower end of said rod, said barrel having a valve seat for said oil valve, means for normally raising said plunger, plunger rod and oil valve, a steam head space above said plunger rod in communication with a source of steam supply, said plunger rod having a steam passage extending therethrough and in open communication with said head space and said housing, said plunger rod having an annular chamber thereabout within the bore of the hollow barrel, said barrel having an oil feed duct in communication with said chamber and with the oil reservoir in all positions of the plunger rod.

2,190,555
PARKING METER EXPANSION CLAMP
Charles A. Toce, Robert F. Broussard, and William N. Woodruff, Houston, Tex., assignors, by mesne assignments, to Vehicular Parking, Ltd., Washington, D. C., a corporation of Delaware
Application August 16, 1937, Serial No. 159,353
3 Claims. (Cl. 287—20)

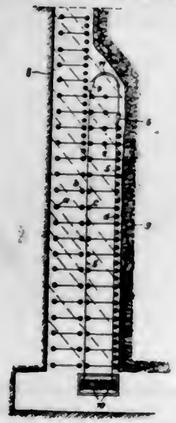


1. A parking meter expansion clamp adapted to be positioned within a tubular post, comprising in combination, an expansion cup, a bolt extending upwardly therefrom, a skirt slidable on said bolt having depending fingers extending over said cup and upstanding lugs to lie within the tubular post and adapted to engage a parking meter housing, a nut on said bolt to draw said skirt and cup together to effect expansion of said fingers, and an anchor nut to clamp said parking meter housing upon said lugs to hold it securely in position and against rotational movement.

2,190,556
MEANS FOR PULLING DOWN PIT PROPS OR PILLARS
Walter Wiebecke, Alsdorf, near Aachen, Friedrich Wilhelm Moll, Witten-Ruhr, and Walter Hardieck, Dortmund, Germany, assignors to the firm F. W. Moll Söhne, Maschinenfabrik, Witten, Germany
Application December 23, 1937, Serial No. 181,450
In Germany December 28, 1936
19 Claims. (Cl. 262—1)

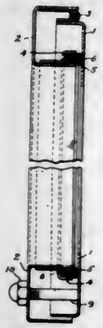
1. An apparatus for pulling down mine props or pillars each of which is in at least two parts, comprising a shoe member forming one part of a prop, said member having a guide opening therein, a pulling means adapted to pass through the opening, and a wedge member on one end of the pulling member which when pulled by the pulling member and when the wedge member

passes through the opening the wedge member will contact the other part of the prop to force



a relative movement between the two parts of the prop.

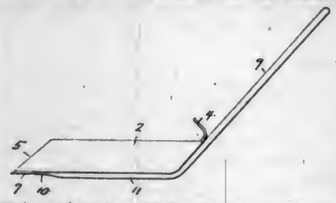
2,190,557
POSTER DISPLAY FRAME
John Wilson Connell, Mountain View, N. J., assignor to Utility Steel Display Frames, Inc., New York, N. Y., a corporation of New York
Application April 21, 1938, Serial No. 203,248
Renewed December 13, 1939
4 Claims. (Cl. 40—152)



1. A poster display frame consisting of a stationary frame, a co-acting frame hinged to said stationary frame and bearing a circumferential gasket channel in which is mounted a resilient gasket, whereby a water tight joint is provided to protect the edges of a card from varying atmospheric conditions, and means to secure said frames together.

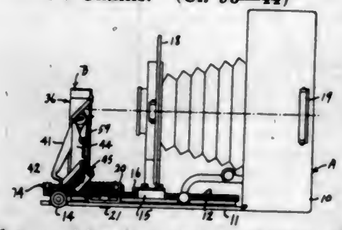
2,190,558
SNOW SCOOP
Louis Alberic Cote, Lewiston, Maine
Application May 19, 1939, Serial No. 274,621
1 Claim. (Cl. 37—53)

A scoop of the class described comprising a body formed of a single piece of material including a bottom, side walls and a rear wall, said walls sloping upwardly and outwardly, a flange on the rear wall extending forwardly and upwardly and the front end of the bottom being beveled, with the bevel extendingly upwardly and rearwardly, a plate connected to the underside of the bottom at the front thereof and having a bevel conforming to the bevel of said bottom, and a U-shaped handle member connected with the rear part of the scoop and having the ends of its limbs extending under the bottom of the scoop and secured thereto to form runners,



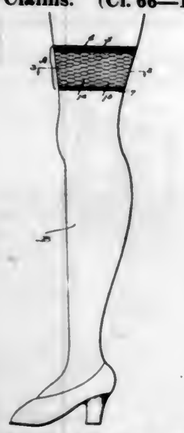
the front ends of said limbs being flattened and abutting the rear edge of the plate connected to the underside of the bottom.

2,190,559
COUPLED RANGE FINDER
Fred Drenko, Mobile, Ala.
Application December 20, 1938, Serial No. 246,896
7 Claims. (Cl. 95—44)



1. The combination with a camera including film and lens carrying elements, one of which is mounted for rectilinear movement relative to the other for a focusing purpose, of a range finder including a movable component, means securing the range finder to one of said elements for pivotal movement about an axis extending in the direction of said rectilinear movement, said range finder including a control member for the movable component, said control member having a portion movable in a path co-extensive with said axis, and an operating member secured to the other of said elements and contacting the movable portion of said control member.

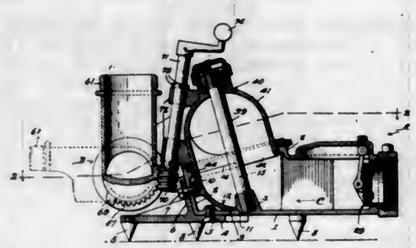
2,190,560
STOCKING
Eugene F. Gaines, deceased, late of Bala, Pa., by Jean S. Gaines, administratrix, Bala, Pa.
Application April 3, 1939, Serial No. 265,852
19 Claims. (Cl. 66—172)



1. A universally stretchable open mesh elastic fabric comprising two series of laterally spaced composit elastic structural elements respectively arranged on intersecting lines extending in opposite diagonal directions, means forming part of said structural elements for tying said elements together at said intersections, and a band of relatively solid longitudinally stretchable fabric extending along one longitudinal edge of and formed integral with said open mesh fabric.

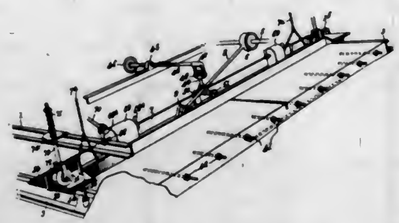
5. A stocking comprising a knitted leg portion and an elastic top composed of universally stretchable elastic fabric comprising two series of laterally spaced composit elastic structural elements respectively arranged on intersecting lines extending in opposite diagonal directions and connected together at said intersections.

2,190,561
NOZZLE
Jordan W. Grant, Portsmouth, Va.
Application November 15, 1938, Serial No. 240,577
2 Claims. (Cl. 299—57)



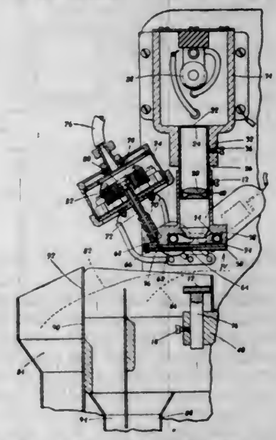
1. In a device of the class described, a body having an inlet, a loop-shaped outlet member, the forward portion of which is intermediately connected to the body, in communicating relation therewith, a nozzle having oppositely disposed lateral branches rotatably mounted in the rear portions of the outlet member, the branches and the rear portion of the outlet member having internal, communicating recesses, an annular packing in the recesses, an annular sustaining ring on the packing, and a fixed nipple having a bore discharging into the recesses.

2,190,562
ROAD BUILDING MACHINE
John N. Heltzel, Warren, Ohio
Application March 2, 1935, Serial No. 9,114
Renewed December 29, 1939
19 Claims. (Cl. 94—45)



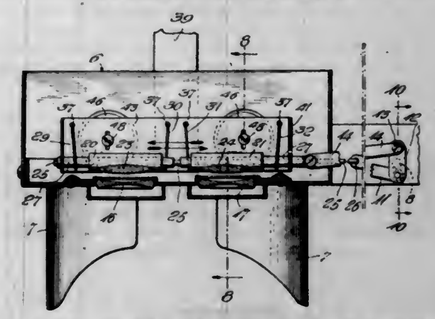
16. A road building machine comprising a screed, means connected to the central portion only of the screed for warping the central portion of the screed, and means for holding down the end portions of the screed against such warping action.

2,190,563
SORTING APPARATUS
Walter Reginald Horsfield, Welwyn Garden City, England, assignor to Electric Selectors Limited, Welwyn Garden City, England, a British company
Application March 4, 1938, Serial No. 194,009
In Great Britain March 10, 1937
6 Claims. (Cl. 209—111)



5. Apparatus for automatically sorting objects in accordance with an optical characteristic thereof comprising in combination a photo-electric cell, an amplifier associated therewith, means for throwing said objects one at a time across a free space within the field of view of said photo-electric cell, means for illuminating said objects, an illuminated background surface for said objects the illumination of which matches that of those objects which possess said optical characteristic, and a rejecting device operated by said amplifier and comprising means for directing a jet of air upon said objects while traversing said free space.

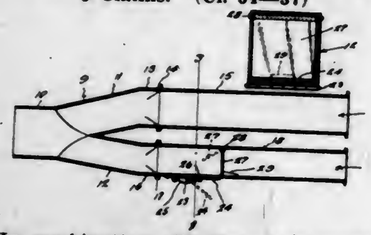
2,190,564
OPTICAL INSTRUMENT
Charles Myron Jones, Yakima, Wash.
Application August 31, 1938, Serial No. 227,844
3 Claims. (Cl. 128—76.5)



1. In an optical instrument of the character described, two pairs of lenses, the lenses of one pair being arranged in rear of the lenses of the other pair, and the lenses of the rear pair being mounted for reciprocating motion in paths crossing the optical paths of the lenses of the other or front pair, a rotary shaft, arms extending from the rotary shaft in opposite directions, and con-

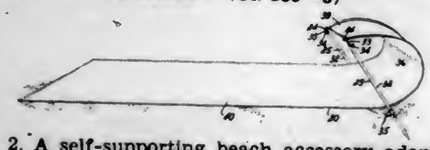
nections between said arms and the respective lenses of the rear pair for reciprocating said lenses in said paths toward and from each other.

2,190,565
SLIP-STREAM MIXER
Robert M. Joyce, Greenville, Miss.
Application February 10, 1939, Serial No. 255,790
3 Claims. (Cl. 34—37)



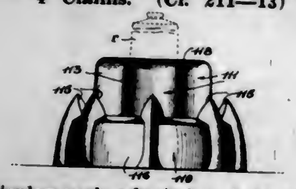
1. In combination with the cotton intake conduit of the cotton drying tower of a cotton drying system embodying a source of damp cotton under air pressure and a source of hot air under pressure, of a mixer, said mixer comprising a Y-conduit comprising a first leg to which the source of damp cotton and air under pressure is connected, and a second leg to which the source of hot air is connected, means in said second leg operative upon failure of the hot air pressure supply to close off said second leg between said intake conduit and said hot air pressure supply whereby the cotton is prevented from passing to said hot air supply.

2,190,566
BEACH ACCESSORY
Clifford E. Julian, Fort Lauderdale, Fla.
Application November 5, 1938, Serial No. 239,141
15 Claims. (Cl. 135—5)



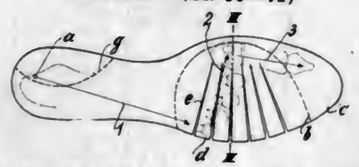
2. A self-supporting beach accessory adapted for use as a mat, backrest and/or sunshade, comprising a substantially rectangular fabric section, resiliently flexible side frame members mounted at opposite longitudinal edges of said fabric section, and ground engaging supporting means connected to one end of said resilient side frame members.

2,190,567
DISPLAY STAND
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application May 6, 1939, Serial No. 272,289
4 Claims. (Cl. 211—13)



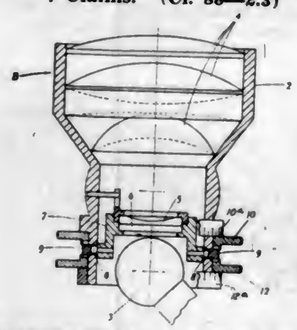
1. A display rack adapted to hold at least one collapsible tube with its major axis arranged substantially vertical and without substantial disfigurement comprising, structure forming at least one shallow pocket including a rearwardly tilted relatively tall concave back, a forwardly tilted relatively short concave front, a pair of relatively short thin side pieces, a relatively tall narrow friction member integral with and extending above said front and having an inner surface forming a continuation of the concave surface of the said front of the said pocket structure, said friction member including an integral outwardly projecting portion forming a reinforcing rib and stabilizing foot for said rack, the concavity of the back cooperating with the concavity of the front of each pocket structure to automatically arrange a tube with its major axis substantially vertical as it is loaded within the pocket structure.

2,190,568
DETORSION SHOE
Emil Lattemann, Waldfischbach/Palatinate, Germany
Application June 2, 1938, Serial No. 211,435
In Germany August 5, 1937
7 Claims. (Cl. 36—71)



1. In an orthopedic shoe, an insole provided with slits extending almost across the entire width at the outer ball portion and an outer wedge tapering from the waist transition portion to the outer ball almost up to the point on the one hand and to the inner ball edge on the other hand, said wedge having slits corresponding and registering with those in the insole and lowering the inner ball relatively to the outer ball.

2,190,569
OPTICAL SIGHTING APPARATUS
Charles Dalrymple Macgill, Anniesland, Glasgow, Scotland, assignor to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland
Application November 21, 1938, Serial No. 241,702
In Great Britain December 1, 1937
7 Claims. (Cl. 88—2.3)



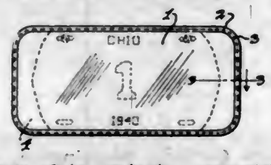
1. Optical sighting apparatus of the transparent reflecting screen type, i. e. having a transparent screen through which the target under observation is viewed by the observer and which also serves as a reflector for presenting to the observer a reference image in the line of sight

to the target, the apparatus comprising a collimating light projecting system having at or near its focal plane reference markings which are variable in their distance apart and virtual images of which are produced in the observer's line of sight by reflection at the screen, setting mechanism for varying the distance apart of said reference markings and thus varying the distance apart of their images in the field of view to define the angle subtended at the observer's eye by the target base, as indicated by the observer obtaining coincidence of the target base with the gap between the reference images, and scale means associated with the setting mechanism enabling movement of known value corresponding with range of target or base length of target or both, to be imparted to the reference mark setting mechanism in defining the subtended angle, and also serving to give readings of either of these values which may be unknown.

2,190,570
PROCESS FOR TREATING COPPER
Luigi Orlando, Brescia, Italy, assignor to Metallurgica Bresciana Gia' Tempini Società Anonima, Brescia, Italy, a corporation of Italy
No Drawing. Application March 19, 1938, Serial No. 196,994. In Italy March 25, 1937
4 Claims. (Cl. 75—76)

1. A process for removing oxygen from copper containing it and treating copper, in which an amount of hydrogen is introduced in the bath of molten copper before casting it, said amount being in excess over that necessary to combine with and remove the oxygen content of and from said copper bath, said copper bath is cast and the cast copper is vigorously and rapidly cooled to cause said excess hydrogen to remain absorbed in cast copper.

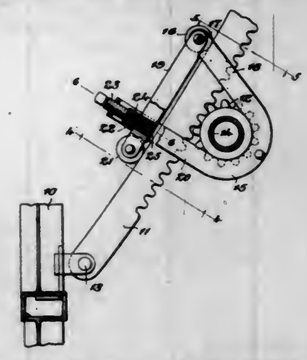
2,190,571
LICENSE TAG COVER
Angelo Michele Mario Salducco, Troy, N. Y.
Application March 16, 1939, Serial No. 262,258
4 Claims. (Cl. 40—125)



1. A license plate protector comprising a flexible marginal frame, a transparent sheet secured at its margins to said frame and elastic flaps secured at their tops, bottoms and one side of each to said frame adjacent the ends of the frame and passing over a portion of its back for mounting the protector on a license plate.

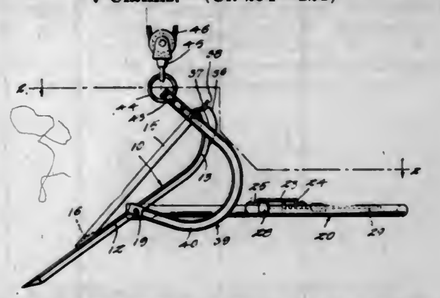
2,190,572
RACK AND PINION OPERATING MEANS
Elmon A. Schottenberg, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application October 11, 1938, Serial No. 234,486
7 Claims. (Cl. 74—33)

1. In a window operator, a rack bar, a pinion, a shaft carrying said pinion, a yoke supported by said shaft and having a pair of arms extending across said rack bar at points spaced longitudinally therealong, a roller carried by one of said arms and engaging the edge of the rack bar remote from the pinion, a rocker arm pivotally connected at one end to said yoke arm, and extending at its other end toward the other yoke arm, a roller on said rocker arm spaced from said



first mentioned roller and engaging the edge of the rack bar remote from the pinion, and a spring reacting from the second mentioned arm of the yoke upon said rocker arm to urge the latter toward the rack bar.

2,190,573
LOADING FORK
Julius L. Shumaker, Martel, Ohio
Application February 2, 1939, Serial No. 254,275
7 Claims. (Cl. 294—124)

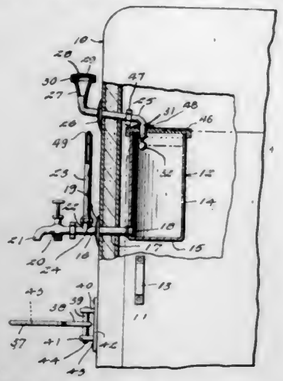


1. A loading fork comprising a fork member, a U-shaped handle frame, means pivotally securing said fork member on said frame, a clevis pivotally carried by said fork member, spring-pressed locking means disposed transversely of and slidably mounted on said frame and engageable with the sides of said fork member to releasably hold said fork member against movement relative to said frame and spaced parallel combined guide, retainer and stop elements secured on said frame for said locking means.

2,190,574
WATER COOLING DEVICE
John J. Szush, Thibodaux, La.
Application May 12, 1939, Serial No. 273,324
2 Claims. (Cl. 62—89)

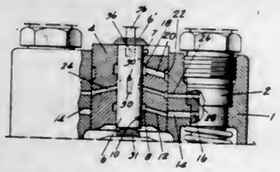
1. In a refrigerator, water cooling means comprising an upstanding closed stationary receptacle disposed interiorly of the refrigerator, a discharge pipe connected at one end to the receptacle and extending outwardly through a wall of the refrigerator, an intake pipe extending through said wall and discharging into the upper end of the receptacle, a funnel-shaped intake member carried by the outer end of said intake pipe for

opposing the outer face of said wall, a float valve within the upper portion of the receptacle, means for slidably suspending the float valve from the inner end of said intake pipe, a spigot on the outer end of said discharge pipe, a transparent



water level indicating tube exteriorly of the refrigerator for opposing the outer face of said wall, and means securing said tube to said discharge pipe intermediate said spigot and the refrigerator.

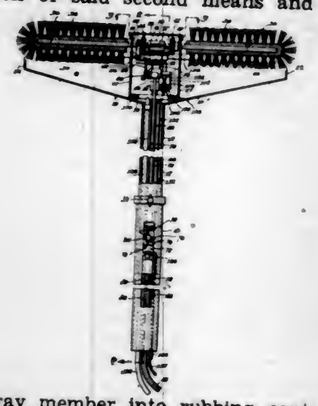
2,190,575
VALVE FOR FUEL PUMPS OF INTERNAL COMBUSTION ENGINES
Warner T. Tabb, Brooklyn, N. Y., assignor to Eisemann Magneto Corporation, New York, N. Y., a corporation of New York
Application February 20, 1937, Serial No. 126,893
8 Claims. (Cl. 251—76)



1. In a device of the class described, a valve member and a relatively movable cooperating member therefor, said members having a common cylindrical surface of contact at which relative motion of said members occurs, one of said members having longitudinally extending slots open to said cylindrical surface and symmetrically disposed on said member, each of said slots continuously cooperating with an edge on said cooperating member common to all of said slots to control the flow of fluid through said slots from corresponding separate sources of fluid under pressure outside said members in all positions of said members permitting flow of fluid.

2,190,576
WALL CLEANING APPARATUS
Warren Sisman, Detroit, Mich.
Application July 18, 1938, Serial No. 219,674
4 Claims. (Cl. 15—50)

1. A cleaning apparatus comprising a handle having a head, a brush supported by said head, means for rotating said brush in one direction, means for supplying a cleaning fluid to said brush, said second means including a spray member spaced from said brush, and means for causing the reversal of rotation of said brush, said third means simultaneously effectuating the inoperation of said second means and bringing



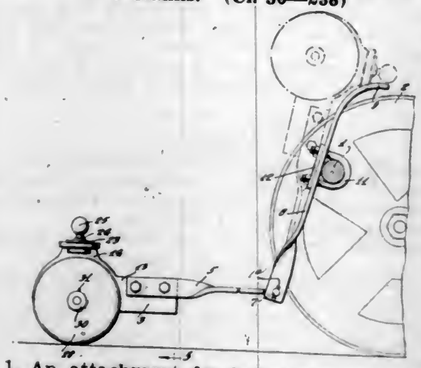
said spray member into rubbing contact with said brush.

2,190,577
CONNECTION FOR KNOBS AND THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application December 1, 1938, Serial No. 243,436
9 Claims. (Cl. 287—53)



1. In a connection for attaching a shaft to an operating member or the like, a fastening member comprising a spring holding clip providing a socket opening for the shaft in the form of cooperating bearing surfaces adapted to grip the shaft in clamping engagement therewith, said clip including attaching means in the form of resilient spring arms extending from said bearing surfaces, said spring arms being provided with shoulders designed for frictional bearing engagement with the side walls of a recess in said operating member, said bearing surfaces of the spring arms resiliently engaging said shaft in holding said shaft and operating member in connected engagement.

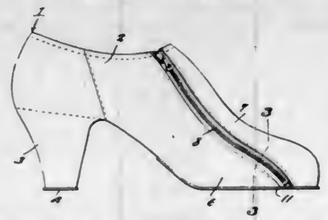
2,190,578
LAWN MOWER ATTACHMENT
Claude O. Todd, Washington, D. C.
Application September 26, 1939, Serial No. 296,647
6 Claims. (Cl. 56—238)



1. An attachment for lawn mowers compris-

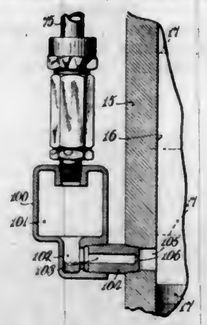
ing a supporting frame member, a horizontal shaft mounted in said frame member, a wheel mounted on said shaft, a bevelled gear on the inner surface of said wheel, a vertical shaft mounted on said frame member, a bevel pinion mounted on the vertical shaft cooperating with the bevelled gear to impart rotation to said vertical shaft, and a cutter blade mounted on the upper end of said vertical shaft, said wheel being movable along the ground to impart rotation to the cutter blade, said cutter blade being rotatable above the plane of the horizontal shaft.

2,190,579
SANDAL COVER
Lula May Wash, Louisville, Ky.
Application August 28, 1939, Serial No. 292,325
2 Claims. (Cl. 36—7.1)



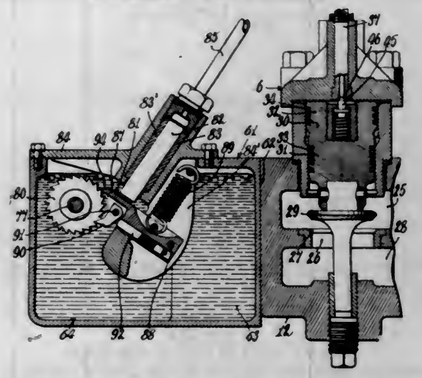
1. A footwear cover comprising an upper and a sole assembled with the upper, the forward part of the upper being divided longitudinally to form side wings and a tongue disposed between the side wings and extended from the top of the upper downwardly to the sole, adjacent to the forward end thereof, and slide fasteners connecting the tongue with the side wings, the upper being formed of thin, flexible, waterproof material.

2,190,580
LUBRICATING APPARATUS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 16, 1936, Serial No. 59,428
15 Claims. (Cl. 184—6)



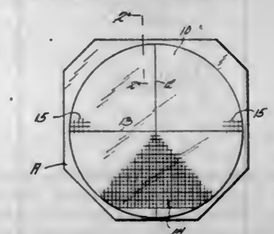
1. In combination, a cylinder, a piston reciprocable therein, means providing a passage opening through a wall of said cylinder and overrun by the piston in the normal movements of the latter, a lubricant chamber communicating with said passage and providing a lubricant storage space and a gaseous fluid receiving space, and means operated by cylinder working pressure for periodically delivering to said chamber a predetermined quantity of lubricant.

2,190,581
LUBRICATING APPARATUS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 4, 1937, Serial No. 140,680
9 Claims. (Cl. 74—128)



1. In a lubricator drive, a cylinder, a piston reciprocable therein, a driving ratchet wheel, a pivoted pawl carrier movable by said piston, a pawl carried thereby and engaging said ratchet wheel, yielding means for continuously holding said pawl carrier against said piston, and an anti-coasting element moving with said pawl carrier into engagement with said ratchet wheel as said pawl carrier makes its working movement.

2,190,582
TEMPLATE FOR EDGING LENSES
Fayette E. Wolf, Akron, Ohio
Application June 30, 1938, Serial No. 216,812
3 Claims. (Cl. 88—56)

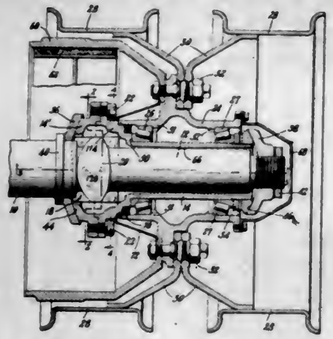


1. A template for use in edge grinding single vision or bi-focal lenses, consisting of a sheet of thin transparent material coated on one face with adhesive, the adhesive-coated face having perpendicularly related lines thereon designating a vertical axis and a horizontal axis for a lens, the lower portion of the sheet at each side of the vertical axis being marked with millimeter-squares.

2,190,583
DUAL WHEEL STRUCTURE
Raymond A. Wyatt, Canton, Ohio, assignor to Differential Wheel Corporation, a corporation of Delaware
Application August 19, 1937, Serial No. 159,819
9 Claims. (Cl. 301—1)

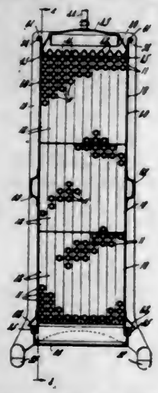
1. A dual wheeled axle structure including in combination, an axle end having a pair of concave bearing members spaced apart, a sleeve having correspondingly convex bearing surfaces at its

ends and mounted between and by the concave members and a pair of dual wheels closely adja-



cent to each other and rotatably supported on the sleeve.

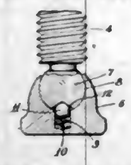
2,190,584
HEAT EXCHANGE DEVICE
Harvey Feldmeier and William Astle, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation of Delaware
Application November 28, 1931, Serial No. 577,829
16 Claims. (Cl. 257—184)



1. A heat exchanger for liquids, such as milk, comprising a plurality of sections hinged at corresponding ends of the several sections to swing laterally relative to one another away from operative positions in which they stand close together side by side to positions in which the sections are accessible for cleaning, means for supplying a heat exchange medium to the several sections and including flexible connections operable to permit said swinging movements of said sections, means for delivering the liquid separately to said several sections when in their operative positions, and baffle means segregating the flexible connections of said supply means from the heat exchange surfaces of said sections for preventing any leaking heat exchange medium from reaching and contaminating the liquid.

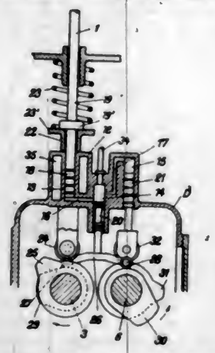
3. The combination of a group of relatively thin upright heat exchange sections arranged to stand side by side and over which liquid may flow in heat exchange relation to a heat exchange medium, a distributor above the sections for delivering the liquid thereto, an upright support at one end of the group of sections on which the sections are mounted to swing laterally for spreading them apart, separate means at the free ends of each of the sections extending laterally therefrom and comprising an integral element of each respective section and adapted to be placed in close juxtaposed relation when said sections are in operative position, and upright housing walls at opposite sides of said group of sections hinged on said support to open outwardly to allow said spreading of the sections and having top portions which extend inwardly over said distributor, said walls and top portions together with said support and said separate means at the free ends of each of the sections forming a housing for the sections and distributor and liquid flow space intermediate the sections.

2,190,585
C CLAMP
Harry A. Rhinevault, Chicago, Ill., assignor to Armstrong Bros. Tool Co., Chicago, Ill., a corporation of Illinois
Application August 22, 1936, Serial No. 97,351
1 Claim. (Cl. 144—304)



A C clamp comprising a C-shaped body having a jaw, a clamping screw carried by said body in opposition to said jaw, a cap, a universal joint connection between one end of said screw and said cap, and a yieldable detent interposed between said screw and said cap for normally holding the latter in axial alinement with said screw, said detent comprising a tapered centering recess in one member of said joint, a ball carried by the other member of said joint and spring pressed against said tapered centering recess, said recess having relatively large outside limits to prevent disengagement between the ball and the recess in various angular positions of said cap.

2,190,586
VALVE CONTROL
Wilhelm Rieger, Kassel-Wilhelmshohe, Germany
Application January 4, 1938, Serial No. 183,395
In Germany January 7, 1937
15 Claims. (Cl. 121—127)

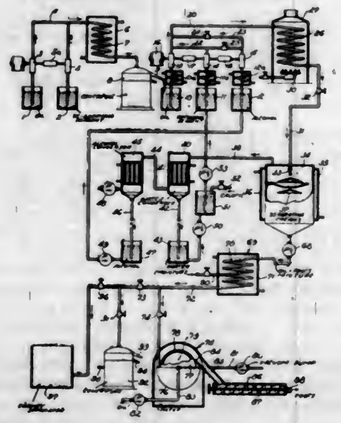


1. A valve control mechanism comprising mechanical means for opening a valve, independent hydraulic means for holding said valve open, and means for releasing said hydraulic means and regulating the closing of said valve.

2,190,587
SOFTENING RUBBER
Ira Williams, Woodstown, and Carroll Cummings Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1937, Serial No. 182,812
22 Claims. (Cl. 260—761)

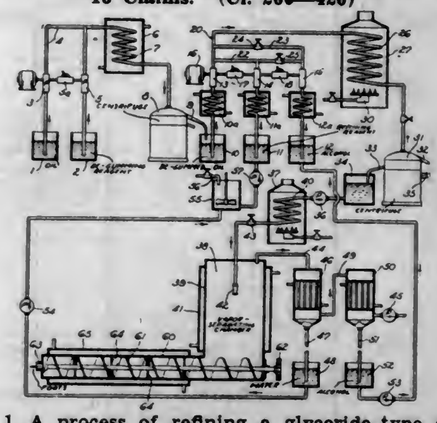
1. The method of decreasing the resistance to flow of unvulcanized rubber which comprises subjecting the unvulcanized rubber at temperatures of from about 130° C. to about 200° C. to the action of at least 0.25% of a thiazole compound of the group consisting of mercapto arylene thiazoles containing only one thiazole ring as a part of any one aromatic ring and derivatives of such thiazoles which liberate the free thiazoles under the conditions employed, in the absence of more than 0.5% of sulfur, in the absence of more than 5% of a pigment, in the absence of sufficient neutralizing material to neutralize the thiazole under the conditions employed, for a sufficient length of time for said thiazole compound to effect a marked decrease in the resistance of the rubber to flow over that which the rubber would have if subjected to the same conditions in the absence of said thiazole compound.

2,190,588
METHOD OF REFINING GLYCERIDE-TYPE OILS
Benjamin Clayton, Sugarland, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application January 4, 1937, Serial No. 119,022
20 Claims. (Cl. 260—426)



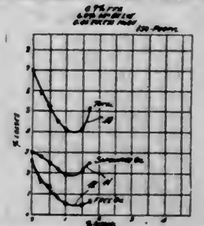
1. A process of refining a glyceride-type oil, which process includes the steps of: mixing proportioned quantities of said glyceride-type oil, an alkali refining reagent capable of reacting with the free fatty acids in said oil to form foots and added in amount greater than theoretically required for reaction with said free fatty acids, and a de-emulsifying and inhibiting agent selected from the group consisting of the lower aliphatic alcohols and their esters added in such amount as to minimize the saponification and entrainment of neutral oil; separating said de-emulsifying and inhibiting agent by vaporizing the same from the resulting mixture, leaving a mixture of refined oil and foots; and separating the foots and the refined oil.

2,190,589
METHOD OF REFINING GLYCERIDE-TYPE OILS
Benjamin Clayton, Sugarland, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application January 4, 1937, Serial No. 119,023
13 Claims. (Cl. 260—426)



1. A process of refining a glyceride-type oil, which includes the steps of: continuously delivering to and mixing in a confined space proportioned streams of said glyceride-type oil, an alkali refining reagent capable of saponifying neutral oil and of reacting with the impurities in said oil to form foots, and a small amount of a de-emulsifying and inhibiting agent comprising a lower aliphatic alcohol added in such amount as to inhibit saponification of neutral oil by said refining reagent and yet act as a de-emulsifier to prevent entrainment of oil in said foots; continuously moving the resulting mixture along said confined space; and separating the resulting reaction products while the same are in a heated condition into refined oil and foots containing said de-emulsifying and inhibiting agent, and vaporizing said agent from said foots.

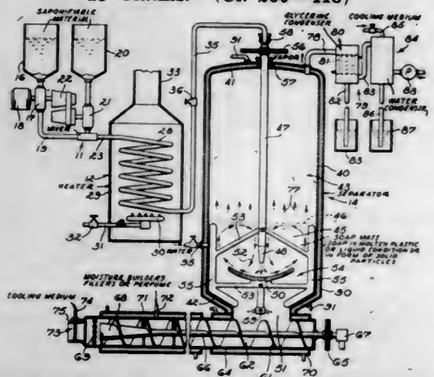
2,190,590
PROCESS OF REFINING GLYCERIDE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application April 5, 1937, Serial No. 135,143
15 Claims. (Cl. 260—426)



1. In the process of refining glyceride oil containing free fatty acids which includes the steps of neutralizing said free fatty acids by mixing with said oil an excess of a refining solution of an alkali which will saponify neutral oil and thereafter separating the resultant soap stock from the neutral oil, and wherein the oil is in a heated condition while in contact with said excess alkali, the improvement which comprises, neutralizing said acids in the presence of a small amount of

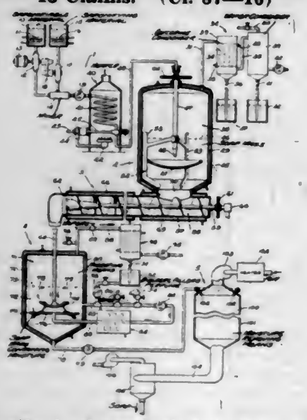
a saponification inhibiting agent selected from the group consisting of the lower aliphatic alcohols and their organic esters which inhibits the saponification of neutral oil by said alkali.

2,190,591
METHOD OF PROCESSING SOAP
Benjamin Clayton, Houston, Tex.
Application October 1, 1937, Serial No. 166,778
13 Claims. (Cl. 260—418)



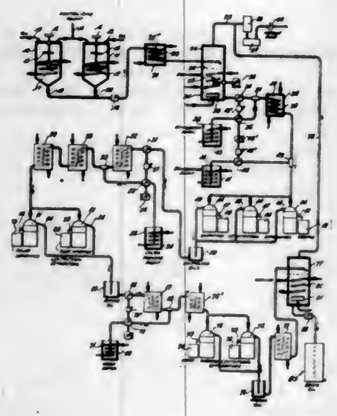
1. A method of processing soap, which method includes the steps of: maintaining a mass of soap in a chamber; continuously moving a soap stream into said chamber and discharging same into said mass of soap at a position beneath the surface thereof while the temperature of said soap stream is sufficient to liberate vapors at the pressure existing in said chamber whereby the soap in said stream becomes associated with said mass of soap and vapors are continuously liberated from the soap mass; continuously withdrawing vapors from that portion of said chamber above the surface of said soap mass; and continuously withdrawing soap from said soap mass at such rate as to maintain the surface of said mass of soap at a position above the point of discharge of the soap stream.

2,190,592
PROCESS OF AND APPARATUS FOR PRODUCING SOAP OF DESIRED MOISTURE CONTENT
Benjamin Clayton, Houston, Tex.
Application December 4, 1937, Serial No. 178,168
15 Claims. (Cl. 87—16)



1. A method of producing a soap of desired moisture content from soap which is fluid due to the presence of heat and which exists in substantially anhydrous condition in a zone confined from the atmosphere, which method includes the steps of: maintaining a soap mass containing moisture in a hydrating zone from which air is excluded; continuously withdrawing a stream of the substantially anhydrous fluid soap from said first-named zone and discharging same beneath the upper surface of said soap mass in said hydrating zone; withdrawing from said hydrating zone a stream of soap which contains an amount of moisture in excess of that desired in the finished soap; and evaporating said excess moisture after withdrawal from said hydrating zone to produce a finished soap of said desired moisture content.

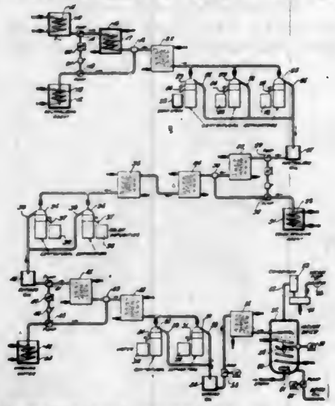
2,190,593
PROCESS OF REFINING ANIMAL AND VEGETABLE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application March 3, 1939, Serial No. 259,502
28 Claims. (Cl. 260—425)



1. The process of refining glyceride oils and fats, which comprises, mixing an aqueous refining reagent with said oils to form a mixture of oil and foots containing water, subjecting said mixture to a dehydration treatment to remove the major portion of said water, and thereafter rehydrating said mixture and separating said foots from said oil.

2,190,594
REFINING OF ANIMAL AND VEGETABLE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application March 30, 1939, Serial No. 265,030
30 Claims. (Cl. 260—425)

1. The process of refining glyceride oils and fats containing free fatty acids, which comprises, mixing with said oil a non-saponifying neutralizing agent in an amount at least three times that necessary to neutralize said free fatty acids, and separating, by difference of specific gravity, the resulting soap stock from said oil while the excess of said agent is present as an aqueous solution containing a major portion of water and of proper concentration to render the soap stock



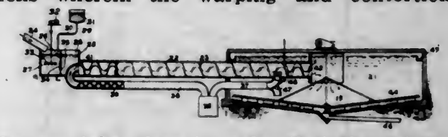
easily flowable and cause the oil to be thrown out of the soap stock.

2,190,595
REFINING PROCESS
Benjamin Clayton, Houston, Tex., and Benjamin H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada
Application December 19, 1939, Serial No. 310,082
18 Claims. (Cl. 260—425)

1. In the process of refining glyceride oils, comprising the steps of mixing an alkaline refining reagent with said oil to neutralize the free fatty acids contained therein and to form soap stock, continuously conditioning such soap stock for centrifugal separation by admixing a stream thereof with a stream of hydrating medium and thereafter subjecting the thus conditioned mixture to the act of continuous centrifugal separation.

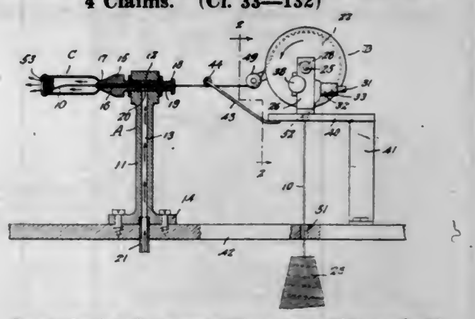
2,190,596
FLOCCULATION PROCESS AND APPARATUS
John Van Nostrand Dorr, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 14, 1935, Serial No. 26,571
Renewed October 31, 1939
8 Claims. (Cl. 210—12)

8. The treating of liquid containing flocculatable material by a process comprising establishing in a relatively horizontally-extending flocculation zone a body of flowing liquid containing said material, continuously feeding to said body liquid to be treated, subdividing said body into interpositioned screw-shaped flow sections each having a series of complete convolutions, subjecting the liquid in said flow sections to progressively applied spiralizing forces for progressively warping and contortionally changing the screw-shaped flow sections until there result developed settleable flocs, flowing liquid with settleable flocs in suspension therein from said flocculation zone to a sedimentation zone whose liquid level is normally maintained at an elevation higher than at least a portion of said screw-shaped flow sections, collecting and returning some of the resulting settleable flocs to an early stage of sections wherein the warping and contortional



changes take place in order that the returned flocs may function as nuclei to accelerate the flocculation operation therein, flowing supernatant liquid as clarified effluent from the upper portion of the sedimentation zone when the normal level thereof tends to be exceeded, and withdrawing sedimented material from the lower portion of the sedimentation zone.

2,190,597
MEASURING DEVICE
Lawrence Dritz, New York, N. Y., assignor to Dritz-Traum Company, Inc., New York, N. Y., a corporation of New York
Application October 19, 1938, Serial No. 235,765
4 Claims. (Cl. 33—132)

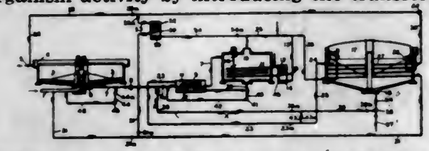


1. In a device for measuring a predetermined length of elastic thread, a pair of spaced supports, a marginally grooved measuring element mounted on a shaft journaled for rotation in said supports and about which element the thread is trained, a worm carried by said shaft, a rotatable worm wheel meshing with said worm, a stop stud carried by and projecting axially from the worm wheel, a detent normally disposed in the path of movement of said stop stud for automatically arresting the movement of said measuring element and the feeding of said thread upon completion of a single revolution of said worm wheel, said detent being manually shiftable to a position out of the path of said stop stud to permit of rotation of said measuring element, and brake means controlled by the slack in the thread and engageable with the measuring element for preventing overrunning of the thread.

2,190,598
DIGESTION OF SEWAGE SLUDGE
Anthony J. Fischer, Jackson Heights, Long Island, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 21, 1935, Serial No. 27,627
12 Claims. (Cl. 210—2)

1. In the treating of sludge derived from sewage, trade wastes and other polluted waters, the method which comprises subjecting the sludge to anaerobic thermophilic organism activity in an initial digestion stage at a temperature above 120 but not substantially above 140 degrees Fahren-

heit for a sufficient length of time to effect a substantial digestion of the major portion of the digestible solids content of the sludge, transferring sludge from the initial digestion stage, and thereafter subjecting it to anaerobic mesophilic organism activity by introducing the transferred



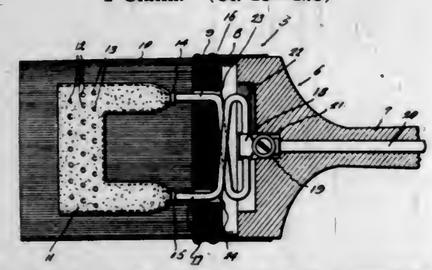
sludge into a body of sludge undergoing an anaerobic mesopholic secondary digestion stage wherein the sludge undergoing the secondary digestion stage is maintained at mesophilic temperatures not substantially exceeding 90 degrees Fahrenheit.

2,190,599

SELF-FEEDING BRUSH

Jack E. Jones, High Point, N. C., assignor, by direct and mesne assignments, of twenty per cent to Charles H. Doggett, Greensboro, N. C., twenty per cent to J. R. Curry, twenty per cent to Arnold Betts, and twenty per cent to J. K. Brown, all of High Point, N. C.

Application February 24, 1937, Serial No. 127,469
Renewed July 13, 1939
1 Claim. (Cl. 15—128)



A brush of the class described comprising a handle part and a bristle part, a substantially U-shaped sac located in the bristle part with its legs extending toward the handle part, said sac having perforations therein, a supply tube carried by the handle part, a tube connecting the supply tube with one leg of the sac, and a second tube connecting the other leg of the sac with the supply tube.

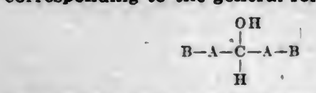
2,190,600

SECONDARY MIXED ALIPHATIC-CYCLIC ALCOHOLS

Josef Kaupp, Bernhard Ritzenthaler, and Curt Schuster, Ludwigshafen-on-the-Rhine, and Hans Hoyer, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 16, 1937, Serial No. 148,504. In Germany June 19, 1936
6 Claims. (Cl. 260—345)

1. Secondary mixed aliphatic-cyclic alcohols corresponding to the general formula



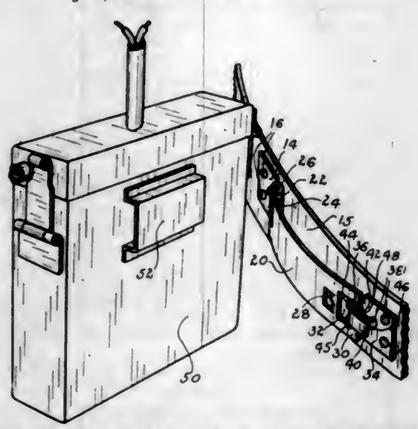
wherein the A's stand for alkylene radicles containing at least two carbon atoms and wherein the B's stand for saturated rings.

2,190,601

ATTACHMENT FOR CARRYING BATTERIES SUSPENDED ON A BELT

Frank La Van, Bryn Mawr, Wash.

Application January 6, 1938, Serial No. 183,701
1 Claim. (Cl. 224—5)



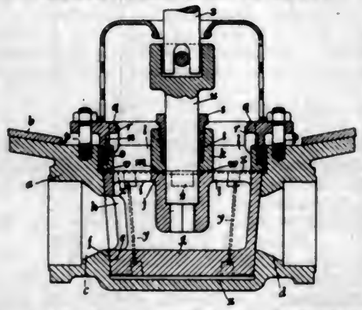
In an article carrier, the combination with a flexible belt, of a resilient, curved article-supporting tongue mounted on a pivot extending transversely on the belt, said tongue having an opening adjacent its free end, a hook secured to the belt and adapted to engage the walls of said opening, the distance from the free end of the hook to the pivot being greater than the chord of the curved tongue, an offset lug on the tongue adjacent said opening, and said lug extending in a plane parallel with the axis of the tongue pivot and located between the tongue and the belt.

2,190,602

COCK OR VALVE

Robert William Leach, Newport, England

Application October 18, 1937, Serial No. 169,607
In Great Britain October 17, 1936
4 Claims. (Cl. 251—93)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A plug valve comprising a body having a bore therein, and ports extending from said bore, a rotatable plug in said bore having a port therein co-operating with the body ports and having a seating surface at one end with a plurality of axial passageways therethrough communicating with said plug port, a retaining member engaging said seating surface and holding said plug in position, said retaining member having openings therein co-operating with said passageways and sealing portions for closing said passageways when the plug is turned, and means for holding said retaining member in position.

2,190,603

ELECTRICALLY OPERATED TIME SWITCH

William F. Miller, Evansville, Ind., assignor to Industrial Engineering Corporation, Evansville, Ind., a corporation of Indiana

Refiled for abandoned application Serial No. 700,629, December 1, 1933. This application July 10, 1935, Serial No. 30,674
20 Claims. (Cl. 200—33)



1. An electrically driven time switch comprising, in combination, a continuously rotating, constant speed, motor, a pair of switch contacts, and means comprising a pair of spaced cams geared to said motor and continuously engaging said switch contact for quickly effecting relative movement of said contacts toward and from each other at regular predetermined intervals of time to effect a quick make and break between said contacts, means for locking said cams together in variably adjustable positions for synchronous rotation, and a speed reducing spur gear drive connecting said motor and cams for constantly rotating said driven means.

2,190,604

PRODUCTION OF BITUMINOUS EMULSIONS

John Alexander Montgomerie, Cambuslang, and Peter Kennedy Archibald, Ruthergien, Scotland, assignors to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 16, 1938, Serial No. 208,204. In Great Britain July 2, 1935
13 Claims. (Cl. 134—1)

1. In a process of preparing a slow-breaking mixing emulsion of difficultly emusifiable pyrogenous residue of organic substances which residue is not emulsible in dilute aqueous alkali alone, the steps of blending said residue with a fatty acid pitch, dispersing said blend in an aqueous alkaline solution containing a protein colloid whereby said fatty acid pitch reacts with the alkali in said aqueous solution to cause emulsification and said protein immediately stabilizes said emulsion as formed thereby preventing partial breaking or agglomeration of dispersed particles and inhibiting increase in viscosity of said emulsion.

2,190,605

METHOD OF COLD MOLDING PLASTIC MATERIALS

Frank J. Moore, Woodbury, N. J., assignor to Plastics Molding Corporation, a corporation of New Jersey

No Drawing. Application August 3, 1935, Serial No. 34,559. Renewed January 29, 1938
5 Claims. (Cl. 260—38)

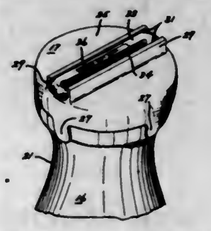
1. In the process of cold molding plastic material, the method of preparing materials for subsequent pressing and baking, which comprises reacting together phenol and formaldehyde with an alkaline catalyst until a resinous liquid separates from the aqueous layer, mixing such resinous liquid with a mineral filler to produce a doughy mass, forming such mass in shapes adapted for drying and drying the same for an extended period until coherent but frangible masses are obtained and adjusting the moisture content thereof and reducing such masses to powder form so that a powder is obtained which is sufficiently dry so that it cannot readily be balled up when squeezed in the hand but will coalesce at pressures of at least 200 pounds per square inch.

2,190,606

BOTTLE CAP

James F. Pedder, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 7, 1938, Serial No. 200,708
1 Claim. (Cl. 215—38)



A bottle closure of the character described comprising, a one-piece molded member formed of insulating material and having a flat cap and a skirt formed integral with the cap and depending from the periphery thereof, a plurality of legs formed integral with said skirt of said member and depending therefrom, at least said legs of said member being resilient and adapted to removably fit over and grip a bottle to cause the cap of said member to close an opening in the bottle, said member also having substantially rigid integral spaced apart opposed portions projecting upwardly from the cap thereof and extending substantially entirely across said member, said opposed rigid portions of said member cooperating with the top surface of said cap to form walls of an elongated receptacle on said member, and said receptacle being in the form of a pocket having an open end for slidably receiving an article to be supported upon the member.

2,190,607

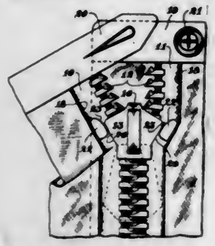
SALICYLALDEHYDE PURIFICATION

Ralph P. Perkins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 11, 1937, Serial No. 125,221
3 Claims. (Cl. 260—600)

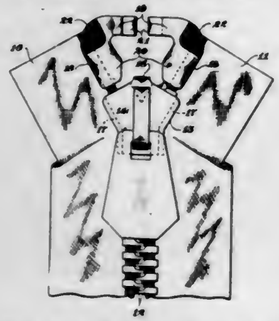
1. In a method of purifying crude salicylaldehyde which contains phenol, the steps which consist in reacting the same in water with at least 0.5 mol, for each mol of salicylaldehyde and phenol present, of a hydroxide of a metal of the group consisting of calcium, strontium, barium and magnesium, separating the so-formed metal hydroxylate of salicylaldehyde from the aqueous medium, decomposing the hydroxylate by acidification, and recovering the so-purified salicylaldehyde.

2,190,608
SLIDE FASTENER
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application March 20, 1937, Serial No. 132,113
11 Claims. (Cl. 24—205)



1. In a slide fastener including a pair of stringers having fastener elements along their adjacent edges and a slider movable along said elements for opening and closing the fastener; yieldable means carried by at least one of the stringers adjacent the top of the fastener and having a surface engaging a complementary exterior surface of the slider to lock same against movement in the opening direction when the stringers are held together above the slider and movable outwardly to allow free movement of the slider in said direction when the stringers are not held together above the slider.

2,190,609
SLIDE FASTENER
Harry L. Farnstrom, Erie, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application April 3, 1937, Serial No. 134,878
Renewed September 22, 1939
3 Claims. (Cl. 24—205)



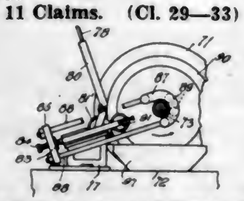
1. In a slide fastener, a pair of stringers having spaced fastener elements along their adjacent edges, a slider movable along said elements for opening and closing the fastener, said slider having an interior channel with two branches diverging at an acute angle at the top of the slider, and a pair of top stops one attached to each stringer, each of the top stops having a portion of substantially the same length and shape as one of said diverging branches, the adjacent corners of the stops when inserted in said branches being bevelled so as to abut against one another, each of the top stop members also having a hook-like portion which extends at an acute angle to the other portion and of sufficient length to overlap the hook-like portion on the opposite stop member over the top of the slider, said hook-like portions having interengaging means to hold them together.

2,190,610
REFRIGERATING APPARATUS
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 24, 1937, Serial No. 155,503
3 Claims. (Cl. 62—108.5)



1. A freezing unit adapted to be placed in or on a freezing support of a cooling element of a refrigerating system comprising in combination, a tray, a cover for said tray, a handle having a leg pivotally mounted upon the tray on an axis transverse thereof to permit movement of the handle outwardly and downwardly of said tray, said cover having a portion thereof extending over the rim of said tray in the vicinity of said handle leg, and the leg of said handle having a cam portion formed integral therewith on one side of its pivotal mounting and another cam portion formed integral therewith on the opposite side of its pivotal mounting, one of said cam portions being constructed and arranged to engage the support of said tray and the other of said cam portions being constructed and arranged to engage said extending portion of said cover whereby the handle upon movement thereof serves to provide a single lever for breaking an ice bond between the tray and its freezing support and for moving said cover upwardly relative to said tray.

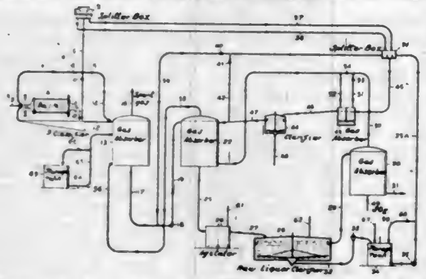
2,190,611
MACHINE FOR APPLYING WEAR-RESISTANT PLATING
Gustav Sembdner, Berlin-Tempelhof, Germany
Original application February 23, 1938, Serial No. 192,178. Divided and this application August 9, 1938, Serial No. 223,911. In Germany November 23, 1935
11 Claims. (Cl. 29—33)



1. In a machine for embedding a strip of wear-resistant material in a recess in the running surface of a wheel, means for supporting and rotating the wheel, means adjacent the wheel for heating the strip of wear-resistant material, means adapted to engage the running surface of the wheel in close proximity to said heating means for rolling said strip into the recess of the wheel, and means disposed in operative relation to said wheel for quenching said strip after the rolling operation.

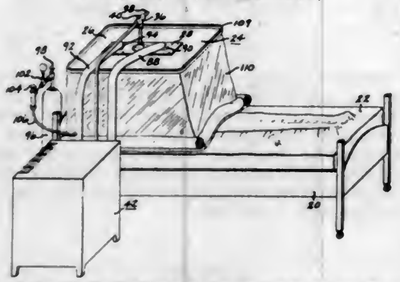
2,190,612
PRODUCTION OF BISULPHITE LIQUOR
Ralph W. Shafor, New York, and Robert P. Kite, Yonkers, N. Y., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application June 1, 1936, Serial No. 82,772
In Canada January 30, 1936
1 Claim. (Cl. 23—130)

In a process of manufacturing bisulphite acid liquor, the steps of passing through a reaction zone in counter-current to a flow of SO_2-bearing gas a slurry comprising finely-divided limestone rock, water and reaction products from a previous cycle of the operation, said slurry containing reactive solid phase material in excess of that which will dissolve through reaction with the SO_2, withdrawing from said zone a reaction-product slurry containing solids which will not react through contact with the SO_2 as well as reactive solids, treating said reaction-product slurry to separate therefrom a raw bisulphite acid liquor,



returning a quantity of the remainder of said slurry to said reaction zone, treating another quantity of the remainder of said slurry with SO_2-bearing gas to dissolve a substantial amount of the reactive solids contained therein, separating a substantially clear solution from said treated quantity and returning the same to said reaction zone, and rejecting from the process the other portion comprising substantially unreactive solids resulting from said last named separation step.

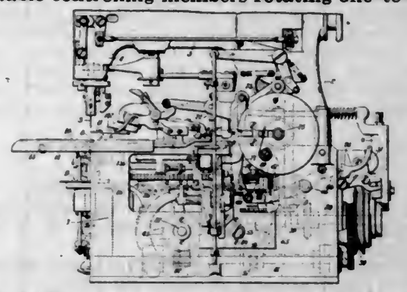
2,190,613
REFRIGERATING APPARATUS
Edwin C. Sittler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 30, 1936, Serial No. 77,249
4 Claims. (Cl. 128—191)



1. A tent including a loop means, means for supporting the loop means over a body supporting means, an enclosure in the form of an inverted bag enclosing and supported by said loop means, one of said means being provided with means for conducting air to and for withdrawing air from said enclosure, said enclosure having its side walls extending downwardly to the body supporting means.

2,190,614
BUTTONHOLE SEWING MACHINE
Edward P. Spaine, Bridgeport, and Harold C. Faulkner, Long Hill, Trumbull, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 30, 1938, Serial No. 243,126
18 Claims. (Cl. 112—71)

1. In a buttonhole sewing machine, the combination with work-holding means, of stitch-forming mechanism, rotary cam means for moving said work-holding means and stitch-forming mechanism relative to each other to cause the stitches to be formed along the sides and around the eye-end of the buttonhole, two circularly adjustable controlling members rotating one-to-one

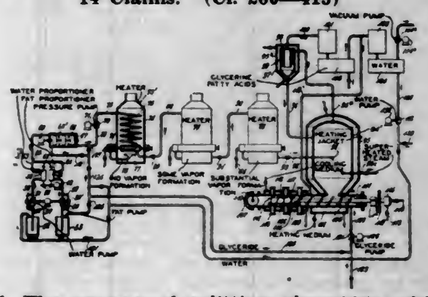


with said rotary cam, means by which the length of the buttonhole is determined, and two separate barring cams circularly adjustable with said controlling members by which the work-holding means and stitch-forming mechanism are given a relative lateral movement thereby to form a bar at the end of the buttonhole.

2,190,615
METHOD FOR MAKING AND PROCESSING SOAP
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application January 5, 1937, Serial No. 119,168
Renewed October 3, 1939
11 Claims. (Cl. 260—418)

1. A method of making soap, which includes the steps of: forming a mass of substantially anhydrous soap in a molten, plastic, or semi-plastic condition; removing a stream of said soap from said mass, cooling said stream of said soap while in substantially anhydrous condition and while in a space confined from the atmosphere to form a friable soap which is directly and substantially uniformly hydratable by adding moisture thereto; continuously breaking up said friable soap as fast as produced; and adding moisture to the broken-up soap in controlled amount to hydrate same.

2,190,616
PROCESS OF SPLITTING GLYCERIDES AND RECOVERING GLYCERIN
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application June 17, 1937, Serial No. 148,788
14 Claims. (Cl. 260—415)



1. The process of splitting glycerides, which

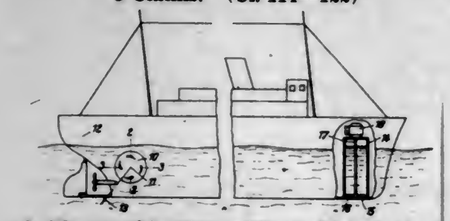
comprises, subjecting said glycerides in admixture with water in a splitting zone to a high temperature and superatmospheric pressure sufficient to cause liberation of glycerin and fatty acids, discharging a heated stream of the resulting mixture from said zone into a vapor separating zone, maintaining a high temperature and vacuum sufficient to separate as vapors glycerin and fatty acids in said vapor separating zone, withdrawing and condensing the vapors of glycerin and fatty acids, and pushing solid and plastic materials deposited in said evaporating zone from said evaporating zone while maintaining said vacuum.

2,190,617

STABILIZING DEVICE FOR SHIPS

Carl von den Steinen, Hamburg-Bergedorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany

Application January 18, 1938, Serial No. 185,580
In Germany January 18, 1937
3 Claims. (Cl. 114—122)



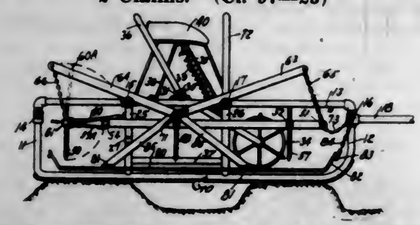
1. The combination with a ship's body of a Schneider propeller including a plurality of blades and a rotatable support for said blades on which said blades are adjustably mounted substantially parallel with the axis of said support, said Schneider propeller being mounted on said body near one end thereof and with the axis of rotation substantilly horizontal and transverse to the ship's longitudinal axis; means for driving said propeller; and means responsive to the pitching oscillations of the ship for automatically controlling the adjustment of said blades relatively to said support according to the phase of said pitching oscillations, whereby forces will be exerted on the ship by the propeller counteracting pitching movements and stabilizing the same.

2,190,618

CULTIVATING HARROW

Alfred H. Watkins, Crawfordsville, Ark., assignor of one-half to James P. Quinlan, Memphis, Tenn.

Application June 28, 1939, Serial No. 281,502
2 Claims. (Cl. 97—23)



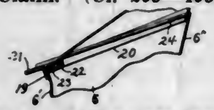
1. In a cultivating device, a sled-like carrier, a harrow structure having depending teeth, a stripper adapted to cooperate therewith, and means jointly coupling said harrow structure and stripper to said carrier, said means being shiftable to raise and lower said harrow and to concurrently lower and raise said stripper.

2,190,619

SAND SCATTERER

Pearl A. Watson, Auburn, Ind., assignor to Waldo N. Dull and Paul Mutzfeld, both of Butler, Ind.

Application October 13, 1937, Serial No. 168,767
1 Claim. (Cl. 209—405)



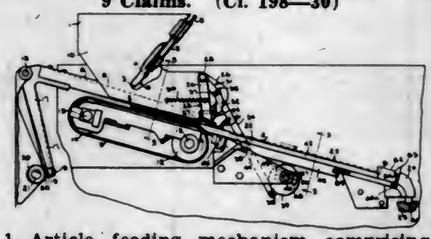
In an apparatus of the class described a vibratory hopper having upwardly divergent front and rear walls, the rear wall extending above the front wall and being downwardly and forwardly inclined, the front wall having an inwardly directed flange at its top; the combination therein of a screen grid provided with a frame and having a chute at its forward end, resting on said flange, an angle member secured to the bottom of said chute and having a forwardly extending portion engaging the underside of said flange, the rear edge portion of said frame resting on the inner face of said rear wall below the top thereof.

2,190,620

ARTICLE FEEDING MECHANISM

Michael J. Milmoe, Glen Ellyn, and Clarence J. Malhiot, Oak Park, Ill., assignors to F. B. Redington Co., Chicago, Ill., a corporation of Illinois

Application February 15, 1937, Serial 125,805
9 Claims. (Cl. 198—30)



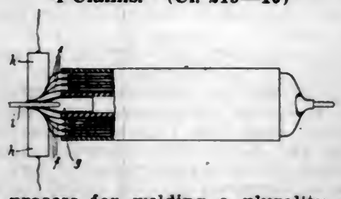
1. Article feeding mechanism comprising a hopper having a discharge outlet through which articles may pass, a continuous conveyor having a downwardly inclined surface to receive the articles from the discharge outlet, means for operating said conveyor in a direction opposite to its inclined direction, and means for positioning said articles on said conveyor.

2,190,621

PROCESS FOR WELDING

Ernst Baer, Berlin-Charlottenburg, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application May 18, 1938, Serial No. 208,693
In Germany May 18, 1937
4 Claims. (Cl. 219—10)



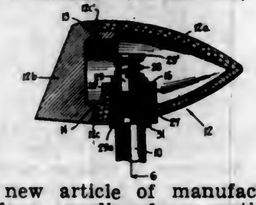
1. A process for welding a plurality of thin sheet metal lamellae or foils, and a metal carrier by spot welding, comprising arranging said lamellae in superposed relation so that an end portion of each lamellae is exposed, setting up an electrode so that prior to and during the welding process it bears both on the said lamellae and on the carrier, and passing a welding current through the electrode, lamellae and carrier.

2,190,622

FENDER GUIDE

Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application April 1, 1937, Serial No. 134,300
7 Claims. (Cl. 287—20)



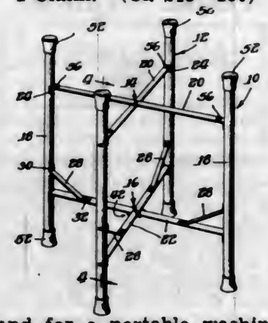
1. As a new article of manufacture for a fender guide, a coupling for mounting a target on a supporting structure and comprising a bushing; a central structure including a stud extended into the bushing, said bushing and structure being relatively rotatable and having surfaces which contact during said relative rotation; and a spring urging said surfaces toward each other.

2,190,623

WASHING MACHINE STAND

Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 6, 1938, Serial No. 206,386
1 Claim. (Cl. 248—150)



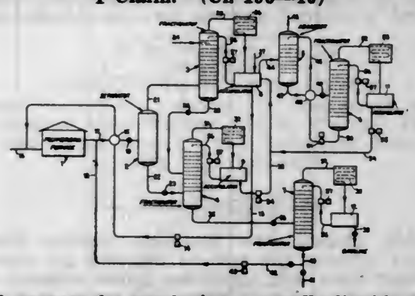
In a stand for a portable washing machine comprising a pair of leg sections having spaced, parallel legs joined at points spaced a substantial distance from the extremities thereof by transversely extending frame members, pivot means interconnecting said frame members for permitting relative rotational movement of the sections from a folded position wherein the sections reside in a generally flat plane to an expanded position, said frame members forming a support for the machine with leg extensions projecting thereabove; means for engaging a washing machine placed thereon to hold the said sections in said expanded position comprising resilient cap members embracing said extensions of said legs, each of said cap members projecting a substantial distance laterally of the leg to frictionally engage the machine for holding the frame against relative rotational displacement.

2,190,624

MANUFACTURE OF GASOLINELIKE HYDROCARBONS

Wright W. Gary, Great Neck, N. Y., and James S. Carey, Cranford, N. J., assignors to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware

Application February 15, 1936, Serial No. 63,998
1 Claim. (Cl. 196—10)



A process for producing normally liquid gasolinelike hydrocarbons from normally gaseous hydrocarbons which comprises subjecting a hydrocarbon gas predominating in normally gaseous hydrocarbons having more than one carbon atom per molecule to elevated conditions of temperature and pressure to effect conversion of normally gaseous hydrocarbons to normally liquid gasolinelike products, cooling the products of conversion, passing the cooled conversion products to a separating zone maintained under elevated pressure, effecting separation of the conversion products in said separating zone into a gaseous fraction predominating in normally gaseous hydrocarbons and a liquid fraction predominating in normally liquid hydrocarbons, passing the said gaseous fraction to a fractionating zone maintained at a pressure of the same order of magnitude as that of the separating zone, fractionating the hydrocarbons introduced into said fractionating zone to separate therefrom a liquid fraction containing substantially all the normally liquid hydrocarbons introduced into said fractionating zone, separately cooling the remaining uncondensed gases from said fractionating zone to condense therefrom a liquefied fraction suitable as feed to the said thermal gas conversion treatment, passing the liquid fraction separated in the said separating zone and the liquid fraction separated in said fractionating zone to a second fractionating zone maintained at a pressure substantially lower than that of the said separating zone, fractionating the hydrocarbons introduced into said second fractionating zone into a normally liquid fraction containing the motor fuel product of the process and a normally gaseous fraction, and returning to said thermal gas conversion treatment the liquefied fraction condensed from the gases from the first-mentioned fractionating zone and the normally gaseous fraction separated in the said second fractionating zone.

2,190,625

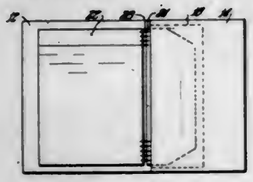
NOTEBOOK

Oscar W. Jolly, West Springfield, Mass., assignor to Springfield Photo Mount Co., Holyoke, Mass., a corporation of Massachusetts

Application January 23, 1939, Serial No. 252,357
2 Claims. (Cl. 281—19)

1. A notebook comprising in combination, a casing including a pair of cover members hingedly connected by a flexible connection, one

of the cover members having a pocket part provided with an opening terminating at a distance from the opposite edges of the cover member and disposed adjacent the flexible connection, and a filler including a stack of sheets and tabs on opposite sides of the stack, the stack and tabs being provided with rows of aligned openings and a helical binding member including a plurality of rings disposed in the openings and connected by aligned portions forming a back-bone



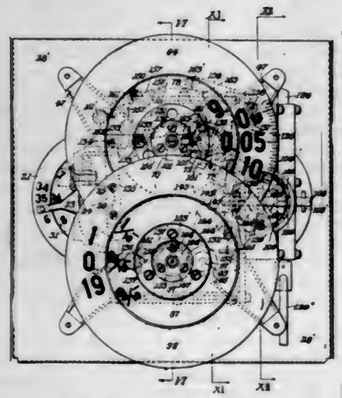
portion thereof, the backbone portion being locked between the tabs as the tabs are swung through their arcs upon the helical member so as to lie adjacent each other, said casing and said filler being arranged in co-operative relationship with the tabs of said filler inserted in the pocket part of said casing whereby the other cover of said casing and said filler may be moved throughout an angle of 360° relative to the back-bone of the helical member.

2,190,626

RESETTING MEANS FOR LIQUID DISPENSING APPARATUS COMPUTING REGISTERING MECHANISM

Einar M. Orbeck, Norristown, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application May 27, 1937, Serial No. 145,056
3 Claims. (Cl. 235—144)



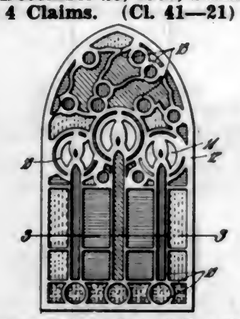
1. In a registering mechanism; the combination with two dials each bearing a series of numbers beginning with zero; of means for advancing said dials independently of each other; means for resetting said dials to zero position despite any difference in the extent of their advancement, including a train of differential gearing connecting said dials, and normally idle while said dials are being advanced; and means normally disengaged from said train of gearing, adapted to be moved into engagement therewith, for resetting said dials successively to zero position in accordance with their relative extent of advancement. advancement from zero position.

2,190,627

PAPER TRANSPARENCY

Andrew Payberg, Somerville, Mass., assignor to Milton Bradley Co., Springfield, Mass., a corporation of Massachusetts

Application December 23, 1938, Serial No. 247,328
4 Claims. (Cl. 41—21)



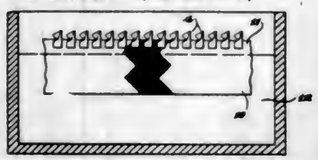
3. An ornamental device of the class described comprising in combination, a pair of similarly shaped face members of opaque cardboard provided with a plurality of coinciding cut-outs, and a unitary sheet of translucent paper disposed therebetween, said paper sheet being provided with a plurality of separate differently colored areas thereon disposed to coincide with the cut-outs so as to be visible from either side of the device, said face members and said sheet being adhesively secured together.

2,190,628

METHOD OF MAKING SLIDE FASTENER STRINGERS

Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania

Application June 15, 1938, Serial No. 213,847
3 Claims. (Cl. 154—2)



1. In the manufacture of slide fastener stringers, forming interlocking elements from soluble plastic material, treating the exterior surfaces thereof with a solvent bath, then applying said elements to a tape stringer in the desired spaced relation, and thereafter dipping that portion of the tape which projects beyond the fastener elements in a solvent bath for causing the solvent to move by capillary action to the tape contacting surfaces of the interlocking elements whereby the material of the surfaces are softened to cause them to stick to the tape when the solvent is evaporated, and then evaporating the solvent.

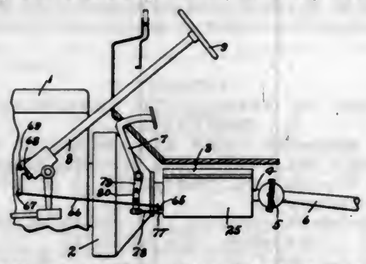
2,190,629

GEARSHIFT MECHANISM

Anthony Vanderveld, Grand Rapids, Mich., assignor of one-half to Liverance & Van Antwerp, Grand Rapids, Mich., a co-partnership composed of Frank E. Liverance, Jr., Grandville, Mich., and Harold O. Van Antwerp, East Grand Rapids, Mich.

Application September 23, 1935, Serial No. 41,639
8 Claims. (Cl. 74—334)

1. In a gear shifting device, a plurality of gear shifters, each including a book and a shoulder back of and above the hook, an actuating member above and extending across the hook portions of all of said gear shifters, means for reciprocating the actuating device, whereby the same



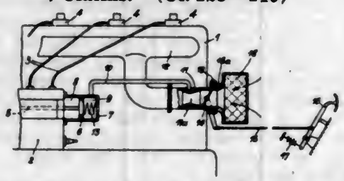
will pass over said hooks and engage the shoulder of said gear shifters to thereby force the same into alinement and to a position whereby any gear shifter may be elevated to have the hook thereof engage with the actuating device.

2,190,630

OUTPUT CONTROL FOR INTERNAL COMBUSTION ENGINES

Johannes Weber, Stuttgart-Feuerbach, and Hermann Stoll and Max Hurst, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application January 8, 1938, Serial No. 184,058
In Germany January 11, 1937
7 Claims. (Cl. 123—140)



7. On output control for internal combustion engines, including an air inlet pipe, a throttle therein, an air filter removably mounted in the free end of said air inlet pipe, a liquid fuel injection device, a pneumatic governor controlling the output of said liquid fuel device, a pipe operatively connecting said pneumatic governor with the interior of the air inlet pipe, and means whereby the pressure within said air inlet pipe is automatically increased when the air filter is in place and decreased when the filter is removed, said variations in pressure being transmitted through said connecting pipe to said pneumatic governor.

2,190,631

PRESSBOARD FOR VELVET, ETC.

Rubin Bass, Brooklyn, N. Y., assignor to American Plush & Velvet Pressboard Co. Inc., New York, N. Y., a corporation of New York

Application February 8, 1938, Serial No. 189,365
5 Claims. (Cl. 38—140)



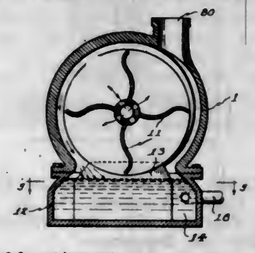
5. A pressing device comprising a cloth foundation having U-shaped needles arranged in spaced parallel rows, the points of said needles projecting from one face of said foundation and the loop portions resting against the opposite face thereof, a layer of wire mesh covering said loop portions and said opposite face of the foundation, thin strips of solder following the rows of needles in their parallel and spaced relationship connecting said wire mesh and loop portions to prevent displacement of the needles and spaced tubular fluid flow members in spaces between the parallel strips and extending through the foundation.

2,190,632

CONTINUOUS AMALGAMATOR

Harry H. Culmer, Chicago, Ill., assignor of one-tenth to Mary Susanna Miller, Chicago, Ill.

Application June 1, 1936, Serial No. 82,875
1 Claim. (Cl. 209—190)



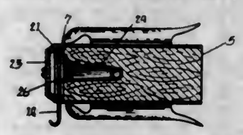
In the gold extracting art, the method of forming a mercury and gold amalgam, in a mercury bath divided to form a closed channel, which consists in projecting a stream of comminuted gold ore diagonally into the mercury, the direction of impact being inclined in only one direction with repect to the channel whereby circulation and consequent mixing of the mercury and ore are induced.

2,190,633

CHROMATIC HARMONICA

August E. Friend, Riverside, Calif.

Application March 6, 1939, Serial No. 260,134
2 Claims. (Cl. 84—377)



1. In a harmonica of the type having a mouth piece and a guide plate, a valve plate slidable between the mouth piece and guide plate transverse the harmonica and having openings adapted to register with openings in the guide plate, an extension carried by the valve plate and extending beyond the mouth piece substantially the entire length thereof, and spring means for normally holding the valve plate in its extended outward position, whereby the extension of the valve plate may be engaged by the lips of the player for forcing the valve plate inwardly for changing the key of the harmonica.

2,190,634

DRAFT TUBE FOR BEER APPARATUS

Daniel T. Leone, Carmello Pagano, and Anthony Cosentino, Newburgh, N. Y.

Application December 5, 1939, Serial No. 307,688
7 Claims. (Cl. 225—3)

1. In a draft tube for beer apparatus, a tube having a control valve at its upper end, a series of concentric pipes in the lower end of the tube

of gradually increasing lengths outwardly with the inner pipe only communicating with the



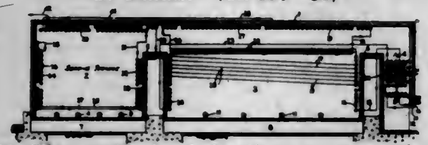
lower end of the tube and the lower end of the tube having beer inlet openings therein.

2,190,635

HEATING HYDROCARBON FLUIDS

Walter E. Lobo, Westfield, N. J., assignor to Gasoline Products Co., Inc., Newark, N. J., a corporation of Delaware

Application October 30, 1934, Serial No. 750,617
12 Claims. (Cl. 196—51)



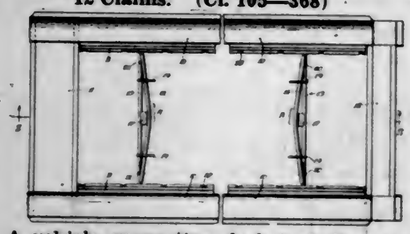
11. The method of heating a plurality of streams of hydrocarbon oil to elevated temperature which comprises passing hydrocarbon oil in separate streams of restricted cross-sectional area through a separately fired heating zone from the point where each of said streams enters said zone to a point where each leaves said zone, and therein separately heating each stream, preponderantly by radiant heat, to cracking temperature, thereafter combining said separately heated streams of oil and passing the thus combined stream through banks of tubes arranged adjacent certain vertical walls of another separately fired heating zone and therein subjecting the stream to additional heat, preponderantly radiant heat, to maintain the stream at cracking temperature.

2,190,636

ADJUSTABLE TIE-DOWN ANCHOR MEMBER

William H. Mussey, Chicago, Ill.; Carrie S. Mussey executrix of William H. Mussey, deceased

Application January 17, 1939, Serial No. 251,384
12 Claims. (Cl. 105—368)



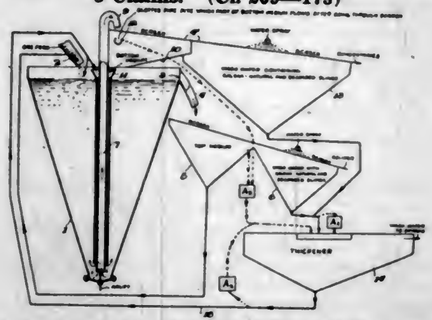
1. A vehicle supporting deck including a pair of longitudinally extending transversely spaced wheel supporting runways said deck having an adjustable tie-down anchor member extending transversely of the deck, the ends of said anchor member being slidable in housings which are carried by the deck, said housings having means for securing the anchor member in fixed position.

2,190,637

PROCESS OF SEPARATING FRAGMENTARY MATERIALS

Victor Rakowsky, Joplin, Mo., and Ray W. Arms, Chicago, Ill., assignors to Minerals Beneficiation Incorporated, Chicago, Ill., a corporation of Delaware

Application February 15, 1938, Serial No. 190,670
3 Claims. (Cl. 209—173)



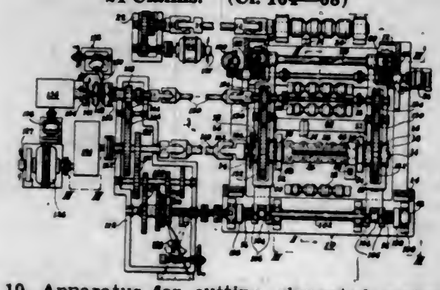
1. In a process of separating ores the use of a liquid self-supporting separating medium comprising water containing slimes of the ore to be separated together with a comminuted solid of not less than 7. specific gravity, the slimes and comminuted solids being in such proportion that the mixture of slimes and comminuted solid shall have a specific gravity of not less than 5.9, the said slimes and comminuted solid constituting in excess of 70%, by weight, of the separating medium.

2,190,638

FLYING SHEAR

Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 2, 1938, Serial No. 222,643
21 Claims. (Cl. 164—68)



19. Apparatus for cutting elongated material into predetermined lengths while it is moving comprising a pair of cooperating rotatable shear blades, means for rotating the blades, means for automatically synchronizing the normal speed of movement of the blades with the speed of movement of the material, means for changing the effective radius of rotation of the blades, means for returning the speed of movement of the blades to the speed of movement of the material after the effective radius of rotation of the blades has been changed, means driven in synchronism with the blades for effecting movement apart of the axes of rotation of the blades when it is desired to miss a cut by the blades, and means associated with the last-named means for changing the number of revolutions of the blades between miscuts thereof.

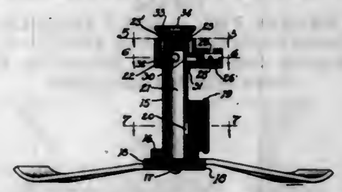
2,190,639

SPRAYING DEVICE

Joseph Wittek, Pasadena, Calif.

Application February 23, 1939, Serial No. 258,006
16 Claims. (Cl. 299—18)

4. A fluid spraying device comprising a tubular body having a longitudinal fluid passage therein, a supporting base for said body, an inlet for said body passage, a spray head at the upper end of said body, a plurality of valve-controlled discharge jets in said spray head adapted to communicate with said longitudinal passage, and a deflector having an inverted conical face adapted to be engaged by the streams of fluid discharged through one or more of said jets, said deflector comprising a removably mounted inverted frustoconical body the marginal edge of the lower face of which is adapted to cover portions of the discharge ends of said jets, and said jets comprising vertical spaced tubular passages disposed circularly about said longitudinal passage, and each

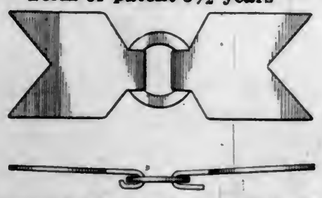


of said valves comprising a rotatable cylindrical member having a chamber communicating at one end with said longitudinal passage and an opening in the wall of said chamber adapted to be moved to and from registered positions with its respective tubular jet passage upon partial rotation of the valve member.

DESIGNS

FEBRUARY 13, 1940

118,926
DESIGN FOR A BELT BUCKLE
Jacob Lewis Bibula, New York, N. Y.
Application July 22, 1939, Serial No. 86,174
Term of patent 3½ years



The ornamental design for a belt buckle, substantially as shown and described.

118,927
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application December 29, 1939, Serial No. 89,202
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

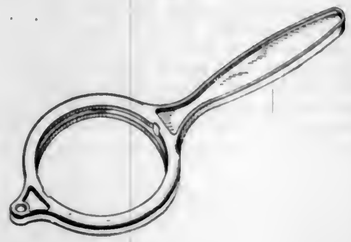
118,928
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application December 29, 1939, Serial No. 89,203
Term of patent 3½ years





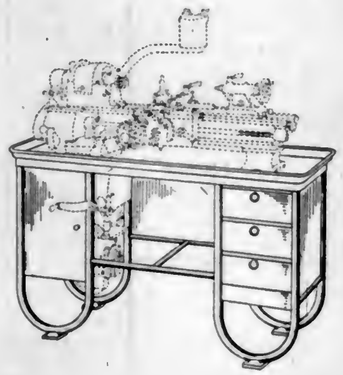
The ornamental design for a shoe or similar article, substantially as shown.

118,929
DESIGN FOR A MOUNTING FOR A READING GLASS OR SIMILAR ARTICLE
Theodore Friedman, New York, N. Y.
Application September 12, 1939, Serial No. 87,155
Term of patent 7 years



The ornamental design for a mounting for a reading glass or similar article, as shown.

118,930
DESIGN FOR A LATHE OR SIMILAR ARTICLE
Russel E. Frushour, South Bend, Ind., assignor to South Bend Lathe Works, South Bend, Ind., a corporation of Indiana
Application June 30, 1939, Serial No. 85,776
Term of patent 14 years



The ornamental design for a lathe or similar article, as shown and described.

118,931
DESIGN FOR A CANISTER OR SIMILAR CONTAINER
William Garten, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application May 23, 1939, Serial No. 85,153
Term of patent 3½ years



The ornamental design for a canister or similar container, substantially as shown and described.

118,932
DESIGN FOR A CANISTER OR SIMILAR CONTAINER
William Garten, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application May 23, 1939, Serial No. 85,154
Term of patent 3½ years



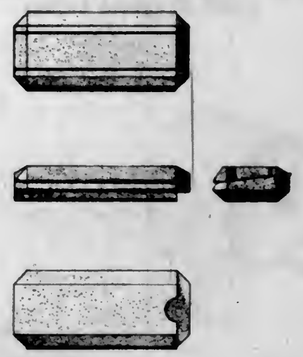
The ornamental design for a canister or similar container, substantially as shown and described.

118,933
DESIGN FOR A BREAD BOX
William Garten, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application May 23, 1939, Serial No. 85,155
Term of patent 3½ years



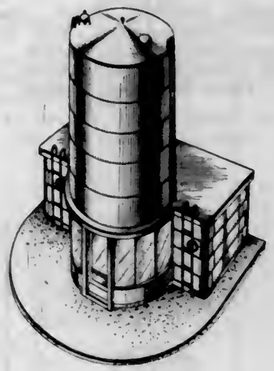
The ornamental design for a bread box, substantially as shown and described.

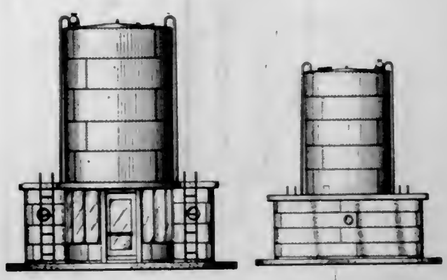
118,934
DESIGN FOR AN EYEGLASS CASE OR SIMILAR ARTICLE
Shepard J. Goldin, New York, N. Y.
Application December 9, 1939, Serial No. 88,787
Term of patent 14 years



The ornamental design for an eyeglass case or similar article, substantially as shown.

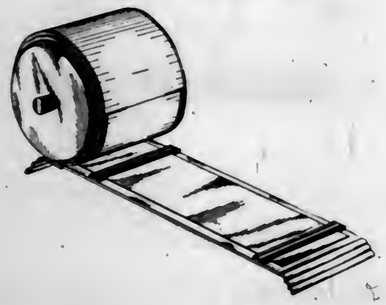
118,935
DESIGN FOR A SERVICE STATION
Samuel Green, Norfolk, Va., assignor to Green Brothers, Incorporated, Norfolk, Va., a corporation of Virginia
Application December 27, 1939, Serial No. 89,159
Term of patent 14 years





The ornamental design for a service station, as shown.

118,936
DESIGN FOR A PAPER ROLL HOLDER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,009
Term of patent 7 years



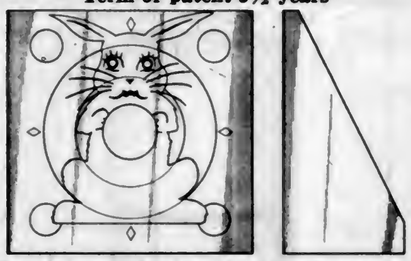
The ornamental design for a paper roll holder or similar article, substantially as shown and described.

118,937
DESIGN FOR A SALT SHAKER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,010
Term of patent 7 years



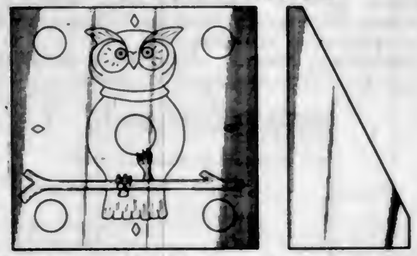
The ornamental design for a salt shaker or similar article, substantially as shown.

118,938
DESIGN FOR A BULL'S-EYE TARGET GAME DEVICE
Irving James Hawkins and Roy L. Nadeau, St. Paul, Minn.
Application January 23, 1939, Serial No. 82,543
Term of patent 3½ years



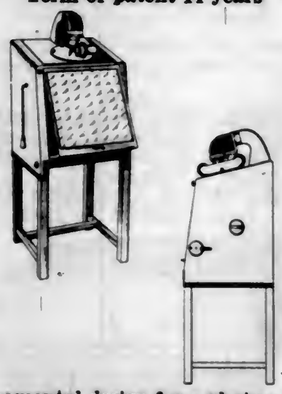
The ornamental design for a bull's-eye target game device, as shown and described.

118,939
DESIGN FOR A BULL'S-EYE TARGET GAME DEVICE
Irving James Hawkins and Roy L. Nadeau, St. Paul, Minn.
Application January 23, 1939, Serial No. 82,544
Term of patent 3½ years



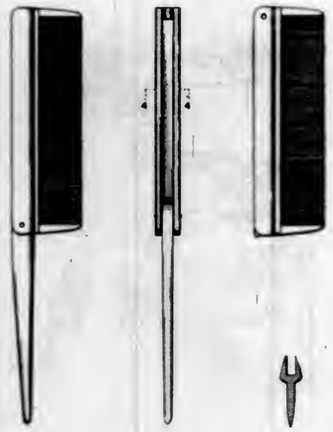
The ornamental design for a bull's-eye target game device, as shown and described.

118,940
DESIGN FOR A PHOTOGRAPHIC PROJECTION APPARATUS
Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 2, 1939, Serial No. 88,643
Term of patent 14 years



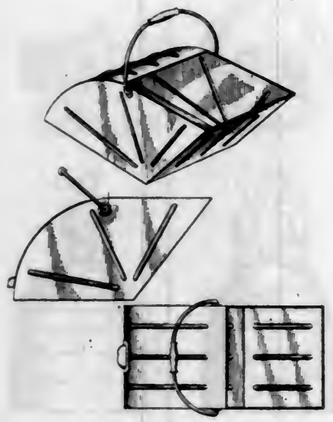
The ornamental design for a photographic projection apparatus, as shown.

118,941
DESIGN FOR A COMB OR SIMILAR ARTICLE
Lester Kahn, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 5, 1938, Serial No. 80,266
Term of patent 7 years



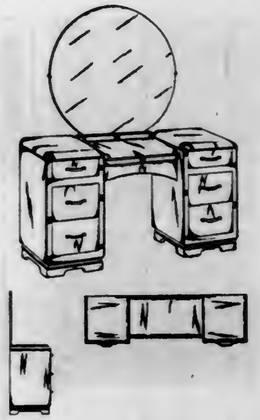
The ornamental design for a comb or similar article, substantially as shown and described.

118,942
DESIGN FOR A SHOVEL BUCKET
Courtney W. Kimler, Sr., Ames, Iowa
Application December 11, 1939, Serial No. 88,831
Term of patent 14 years



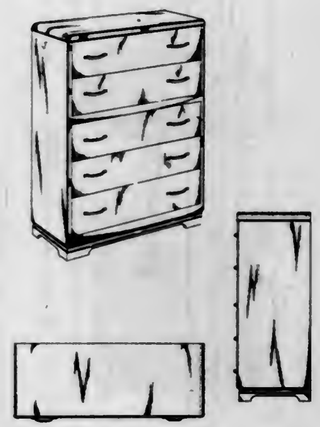
The ornamental design for a shovel bucket, substantially as shown.

118,943
DESIGN FOR A VANITY DRESSER OR SIMILAR ARTICLE
George Krick, Portland, Oreg., assignor to B. P. John Furniture Corporation, Portland, Oreg., a corporation of Oregon
Application May 17, 1938, Serial No. 77,253
Term of patent 3½ years



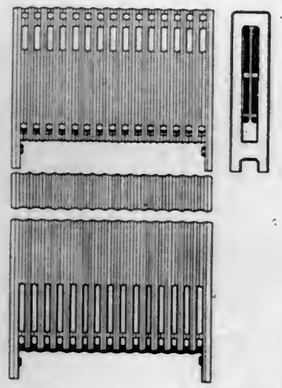
The ornamental design for a vanity dresser or similar article, substantially as shown.

118,944
DESIGN FOR A CHEST OF DRAWERS OR SIMILAR ARTICLE
George Krick, Portland, Oreg., assignor to B. P. John Furniture Corporation, Portland, Oreg., a corporation of Oregon
Application May 17, 1938, Serial No. 77,254
Term of patent 3½ years



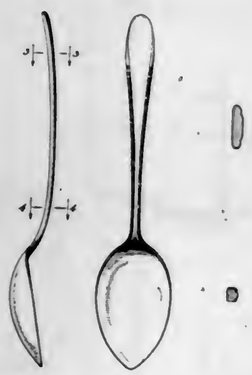
The ornamental design for a chest of drawers or similar article, substantially as shown.

118,945
DESIGN FOR A RADIATOR
James F. McIntire, Detroit, Mich., assignor to United States Radiator Corporation, Detroit, Mich., a corporation of Michigan
Application November 9, 1939, Serial No. 88,160
Term of patent 3½ years



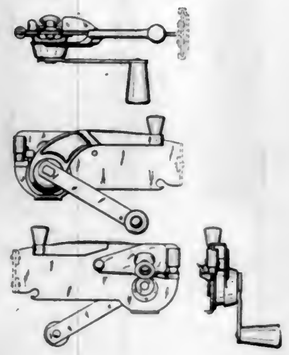
The ornamental design for a radiator, substantially as shown.

118,946
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application July 7, 1939, Serial No. 85,873
Term of patent 14 years



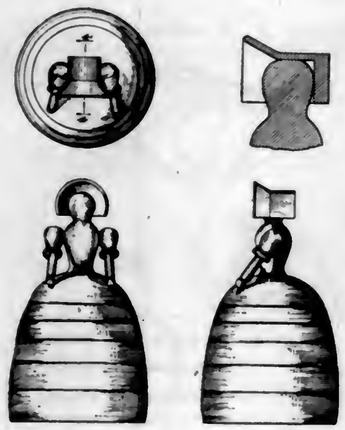
The ornamental design for a spoon or other article of flatware, substantially as shown.

118,947
DESIGN FOR A CAN OPENER
Jean Otis Reinecke, Chicago, Ill., assignor to Dazey Churn & Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 6, 1939, Serial No. 88,071
Term of patent 14 years



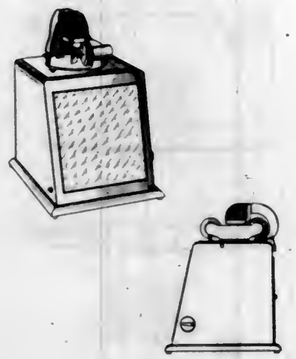
The ornamental design for a can opener, substantially as shown.

118,948
DESIGN FOR A DOLL
Dennis Frank Ryan, Belmont, Mass.
Application December 14, 1939, Serial No. 88,888
Term of patent 7 years



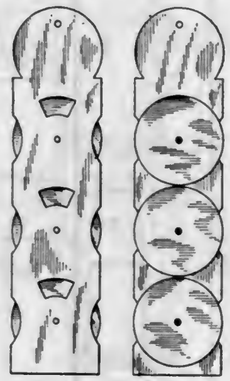
The ornamental design for a doll, as shown.

118,949
DESIGN FOR A PHOTOGRAPHIC VIEWING APPARATUS
Alvin E. Schubert, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 2, 1939, Serial No. 88,644
Term of patent 14 years



The ornamental design for a photographic viewing apparatus, as shown.

118,950
DESIGN FOR A DAIRY PRODUCTS INDICATOR
Caroline L. Sentney, Indianapolis, Ind.
Application July 24, 1939, Serial No. 86,203
Term of patent 3½ years



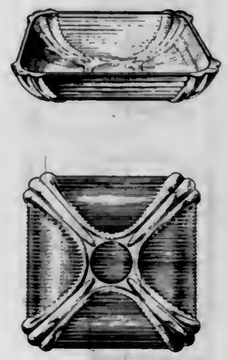
The ornamental design for a dairy products indicator, as shown.

118,951
DESIGN FOR A DISH
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 18, 1939, Serial No. 88,993
Term of patent 7 years



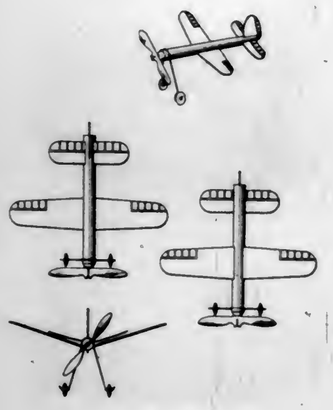
The ornamental design for a dish, as shown.

118,952
DESIGN FOR A DISH
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 19, 1939, Serial No. 89,015
Term of patent 7 years



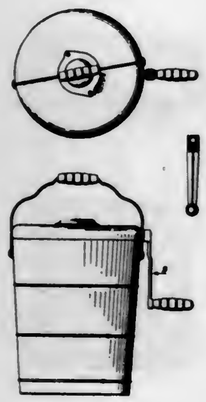
The ornamental design for a dish, as shown.

118,953
DESIGN FOR A TOY AIRPLANE
Lyle Thro, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application November 17, 1939, Serial No. 88,334
Term of patent 3½ years



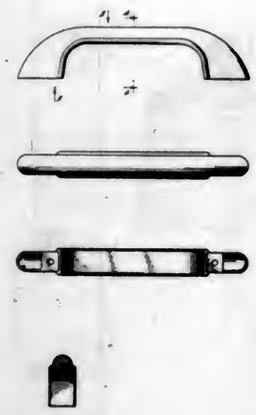
The ornamental design for a toy airplane, as shown.

118,954
DESIGN FOR AN ICE CREAM FREEZER
James W. Townsend, Winchendon, Mass., assignor of one-half to The Alaska Freezer Co., Inc., Winchendon, Mass., a corporation of Massachusetts, and one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 6, 1939, Serial No. 88,733
Term of patent 7 years



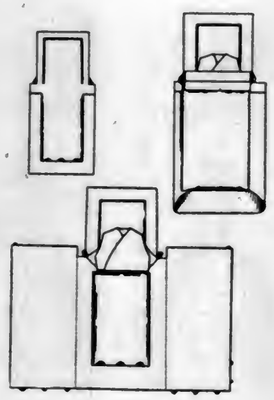
The ornamental design for an ice cream freezer, as shown.

118,955
DESIGN FOR A DRAWER PULL
Odin A. Westgaard, Los Angeles, Calif., assignor to Modern Plastics Company, Los Angeles, Calif., a corporation of California
Application November 13, 1939, Serial No. 88,224
Term of patent 7 years



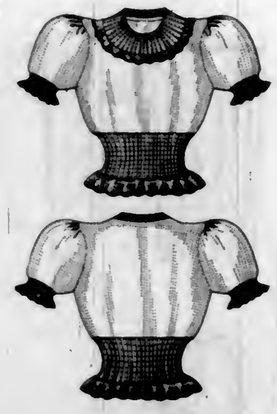
The ornamental design for a drawer pull, as shown and described.

118,956
DESIGN FOR A CARRIAGE ROBE
Bertha Braun Friedman, New York, N. Y.
Application December 14, 1939, Serial No. 88,878
Term of patent 7 years



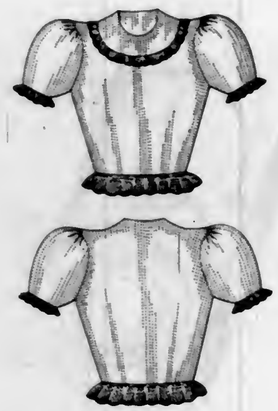
The ornamental design for a carriage robe, substantially as shown.

118,957
DESIGN FOR A SWEATER
Leon Goldsmith, Brooklyn, N. Y.
Application December 26, 1939, Serial No. 89,140
Term of patent 3½ years



The ornamental design for a sweater, substantially as shown.

118,958
DESIGN FOR A SWEATER
Leon Goldsmith, Brooklyn, N. Y.
Application December 26, 1939, Serial No. 89,141
Term of patent 3½ years



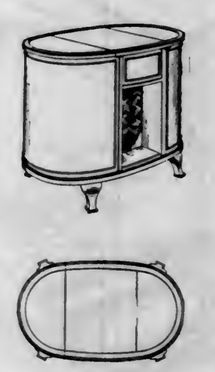
The ornamental design for a sweater, substantially as shown.

118,959
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 1, 1939, Serial No. 88,615
Term of patent 14 years



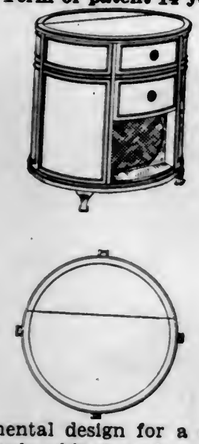
The ornamental design for a doll, as shown.

118,960
DESIGN FOR A COMBINED RADIO AND PHONOGRAPH CABINET
Frederick A. Kolmetz, New York, N. Y., assignor to Liberty Music Shops, Inc., New York, N. Y., a corporation of New York
Application October 18, 1939, Serial No. 87,707
Term of patent 14 years



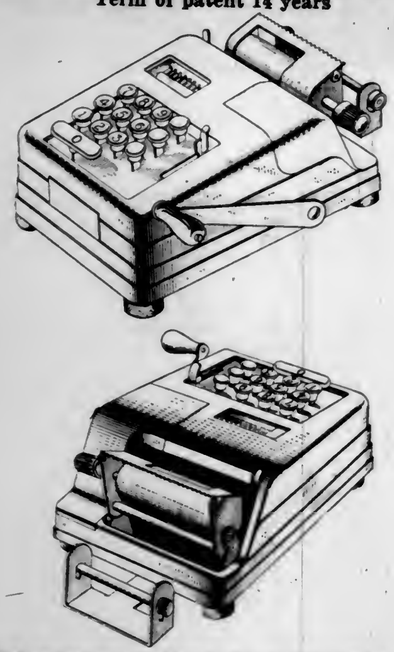
The ornamental design for a combined radio and phonograph cabinet, as shown and described.

118,961
DESIGN FOR A COMBINED RADIO AND PHONOGRAPH CABINET
Frederick A. Kolmetz, New York, N. Y., assignor to Liberty Music Shops, Inc., New York, N. Y., a corporation of New York
Application October 20, 1939, Serial No. 87,774
Term of patent 14 years



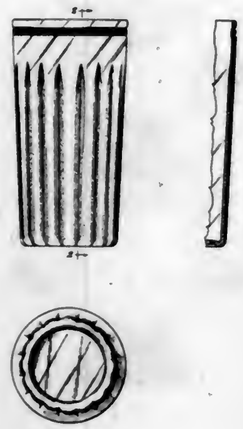
The ornamental design for a combined radio and phonograph cabinet, as shown and described.

118,962
DESIGN FOR A COMPUTING AND LISTING MACHINE
Louis M. Llorens, New Haven, Conn., assignor to Swift Business Machines Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1939, Serial No. 87,941
Term of patent 14 years



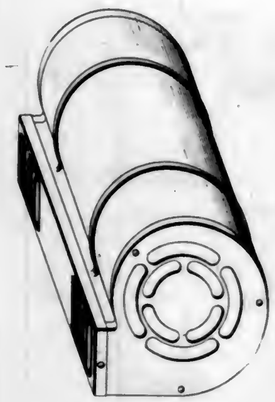
The ornamental design for a computing and listing machine, substantially as shown.

118,963
DESIGN FOR A TUMBLER OR THE LIKE
William Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application June 8, 1939, Serial No. 85,406
Term of patent 14 years



The ornamental design for a tumbler or the like, as shown.

118,964
DESIGN FOR A CASING FOR A BLOWER FOR DEFROSTING WINDSHIELDS
Albert G. Redmond, Flint, Mich.
Application May 10, 1938, Serial No. 77,099
Term of patent 14 years



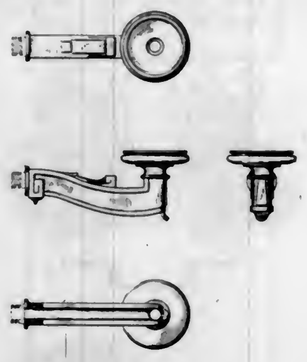
The ornamental design for a casing for a blower for defrosting windshields, as shown and described.

118,965
DESIGN FOR A BLOUSE
Benjamin Shander, Philadelphia, Pa.
Application November 30, 1939, Serial No. 88,570
Term of patent 3½ years



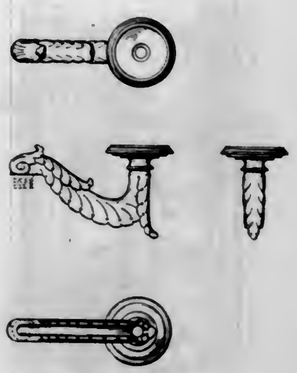
The ornamental design for a blouse, substantially as shown and described.

118,966
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application November 1, 1939, Serial No. 87,987
Term of patent 14 years



The ornamental design for an arm for lamp fixtures, as shown.

118,967
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application November 1, 1939, Serial No. 87,988
Term of patent 14 years



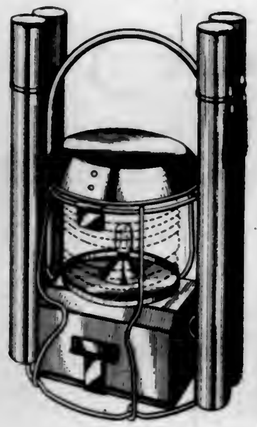
The ornamental design for an arm for lamp fixtures, as shown.

118,968
DESIGN FOR AN ARM FOR LAMP FIXTURES
August O. Elting, Chicago, Ill.
Application November 1, 1939, Serial No. 88,083
Term of patent 14 years



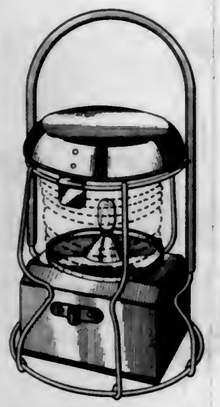
The ornamental design for an arm for lamp fixtures, as shown.

118,969
DESIGN FOR A LANTERN
Michael J. Freemark, Breckenridge, Minn.
Application November 18, 1939, Serial No. 88,366
Term of patent 7 years



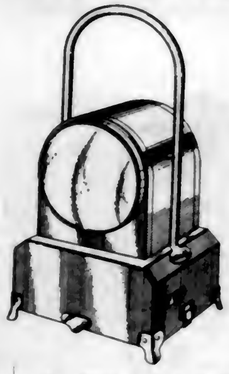
The ornamental design for a lantern, as shown and described.

118,970
DESIGN FOR A LANTERN
Michael J. Freemark, Breckenridge, Minn.
Application November 18, 1939, Serial No. 88,367
Term of patent 7 years



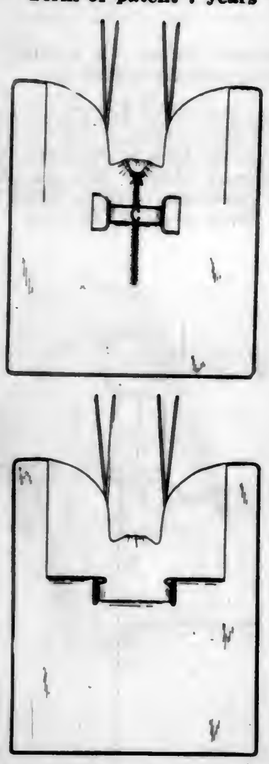
The ornamental design for a lantern, as shown and described.

118,971
DESIGN FOR A LANTERN
Michael J. Freemark, Breckenridge, Minn.
Application November 18, 1939, Serial No. 88,368
Term of patent 7 years



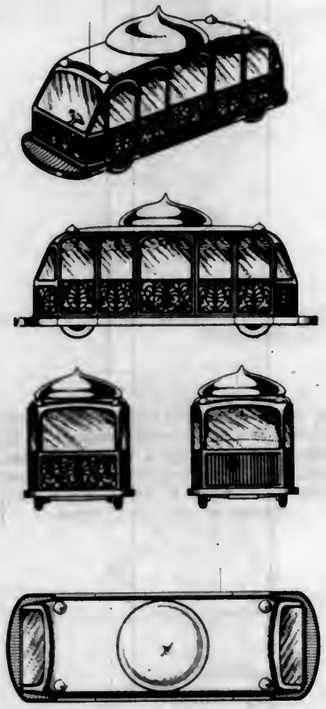
The ornamental design for a lantern, as shown and described.

118,972
DESIGN FOR A COMBINED NIGHTGOWN AND CRIB COVER
Bertha Braun Friedman, New York, N. Y.
Application December 28, 1939, Serial No. 89,163
Term of patent 7 years



The ornamental design for a combined nightgown and crib cover, substantially as shown.

118,973
DESIGN FOR AN AUTOMOBILE
Lucy E. Gilligan, Olean, N. Y.
Application January 3, 1940, Serial No. 89,275
Term of patent 14 years



The ornamental design for an automobile, as shown and described.

118,974
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 1, 1939, Serial No. 88,616
Term of patent 14 years



The ornamental design for a doll, as shown.

118,975
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 1, 1939, Serial No. 88,617
Term of patent 7 years



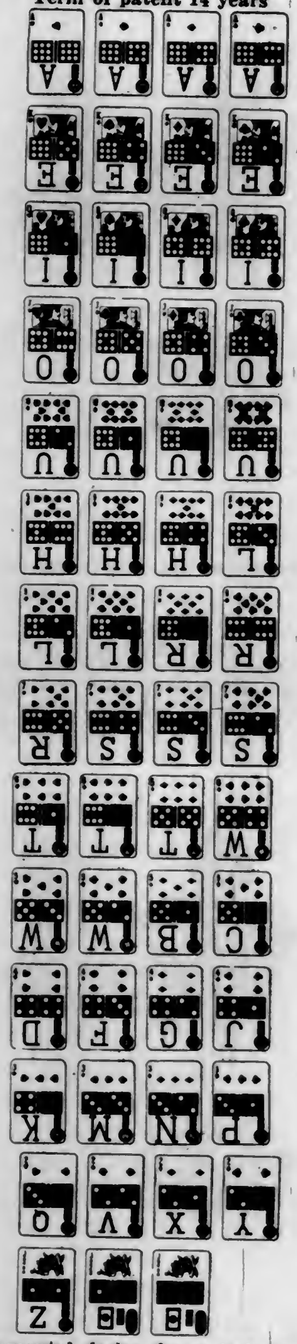
The ornamental design for a doll, as shown.

118,976
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 1, 1939, Serial No. 88,618
Term of patent 14 years



The ornamental design for a doll, as shown.

118,977
DESIGN FOR A DECK OF PLAYING CARDS
Stanley Kermode, Christchurch, Hampshire, England
Application September 5, 1939, Serial No. 87,056
In Great Britain September 20, 1938
Term of patent 14 years



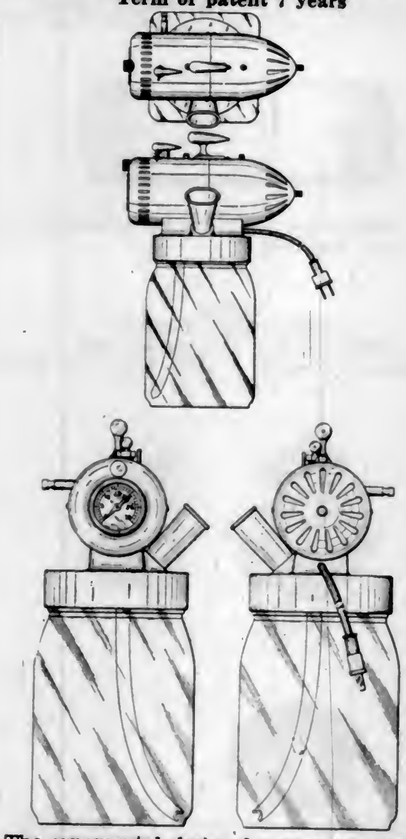
The ornamental design for a deck of playing cards, as shown and described.

118,978
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application October 26, 1939, Serial No. 87,871
Term of patent 14 years



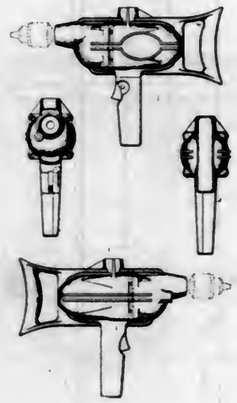
The ornamental design for a finger ring, as shown and described.

118,979
DESIGN FOR AN ANATOMICAL INJECTOR
Argo E. Landau, Ladue, and Wilbert F. Schaefer, St. Louis, Mo., assignors to Royal Bond, Inc., St. Louis, Mo., a corporation of Missouri
Application November 4, 1939, Serial No. 88,046
Term of patent 7 years



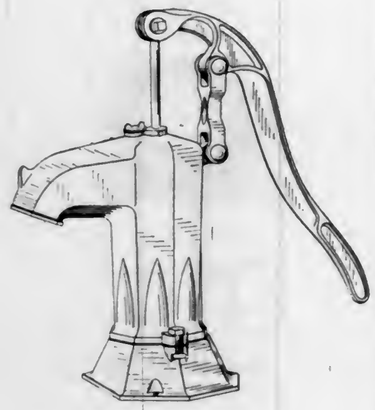
The ornamental design for an anatomical injector, substantially as shown.

118,980
DESIGN FOR A PORTABLE POWER DRIVEN HAND TOOL UNIT
Gilbert B. Larson, Geneva, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application October 26, 1939, Serial No. 87,868
Term of patent 14 years



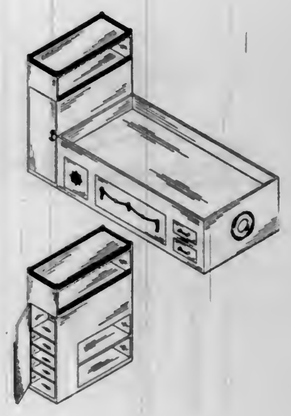
The ornamental design for a portable power driven hand tool unit, as shown and described.

118,981
DESIGN FOR A PUMP
Herman M. Loeber, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company, a corporation of Nebraska
Application July 8, 1939, Serial No. 85,910
Term of patent 3½ years



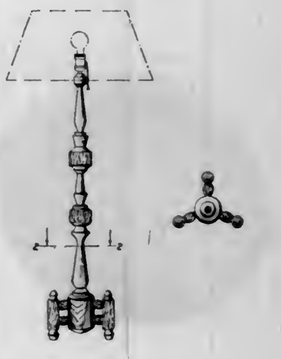
The ornamental design for a pump, as shown and described.

118,982
DESIGN FOR A COMBINED BUREAU, BED, AND BOOKCASE
Herman L. Mash and Harold P. Gould, Philadelphia, Pa.
Application September 11, 1939, Serial No. 87,132
Term of patent 3½ years



The ornamental design for a combined bureau, bed, and bookcase, as shown and described.

118,983
DESIGN FOR A FLOOR LAMP
Serene G. Nelson, Frankfort, Mich.
Application November 9, 1939, Serial No. 88,164
Term of patent 7 years



The ornamental design for a floor lamp, as shown and described.

118,984
DESIGN FOR A COAT HANGER OR SIMILAR ARTICLE
Edward M. Paterson, Whittier, Calif., assignor to Plastic-Fibre Corporation, Whittier, Calif., a corporation
Application October 21, 1939, Serial No. 87,795
Term of patent 7 years



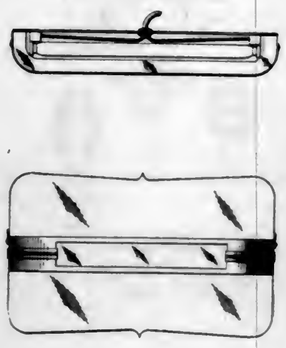
The ornamental design for a coat hanger or similar article, as shown.

118,985
DESIGN FOR A LAMP BASE
Henry A. Perlmutter, New York, N. Y., assignor to Artistic Lamp Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application November 21, 1939, Serial No. 88,390
Term of patent 3½ years



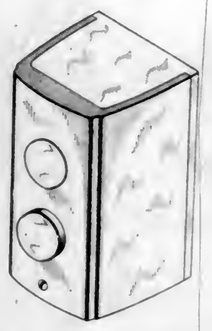
The ornamental design for a lamp base, as shown.

118,986
DESIGN FOR AN ADVERTISING DISPLAY DEVICE
Maxwell E. Ramsey, Clayton, Mo.
Original application June 12, 1939, Serial No. 85,457. Divided and this application December 11, 1939, Serial No. 88,813
Term of patent 3½ years



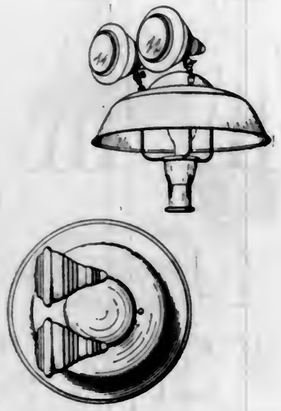
The ornamental design for an advertising display device, as shown.

118,987
DESIGN FOR A CONTROL STATION ENCLOSURE
Jean Otis Reinecke, Chicago, Ill., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 2, 1939, Serial No. 87,483
Term of patent 14 years



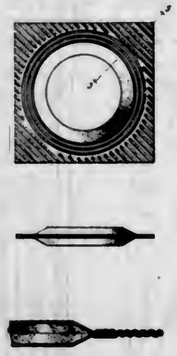
The ornamental design for a control station enclosure, as shown.

118,988
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Harry E. Rutledge, Dormont, Pa.
Application June 3, 1939, Serial No. 85,339
Term of patent 7 years



The ornamental design for a lighting fixture or similar article, as shown.

118,989
DESIGN FOR A PACKAGE ENVELOPE OR SIMILAR ARTICLE
Leroy L. Salfisberg, South Orange, N. J. assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application April 27, 1939, Serial No. 84,591
Term of patent 14 years



The ornamental design for a package envelope or similar article, as shown and described.

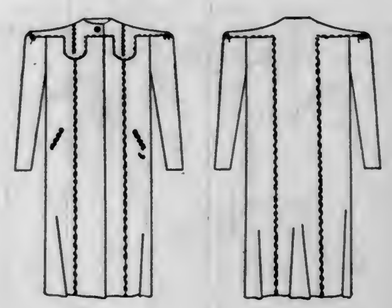
118,990
DESIGN FOR A DISH OR OTHER ARTICLE OF HOLLOW WARE
Jean G. Theobald, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application September 16, 1939, Serial No. 87,251
Term of patent 14 years



The ornamental design for a dish or other article of hollow ware, substantially as shown and described

---

118,991
DESIGN FOR A COAT
Max Bagedonow, New York, N. Y.
Application January 12, 1940, Serial No. 89,424
Term of patent 3½ years



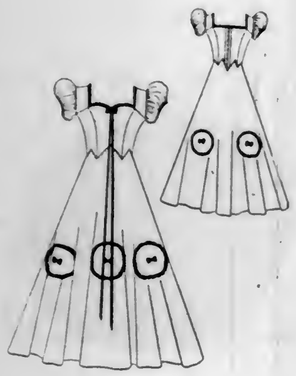
The ornamental design for a coat, substantially as shown.

118,992
DESIGN FOR A HANDBAG
Max Berkowitz, Lawrence, N. Y.
Application December 1, 1939, Serial No. 88,597
Term of patent 3½ years



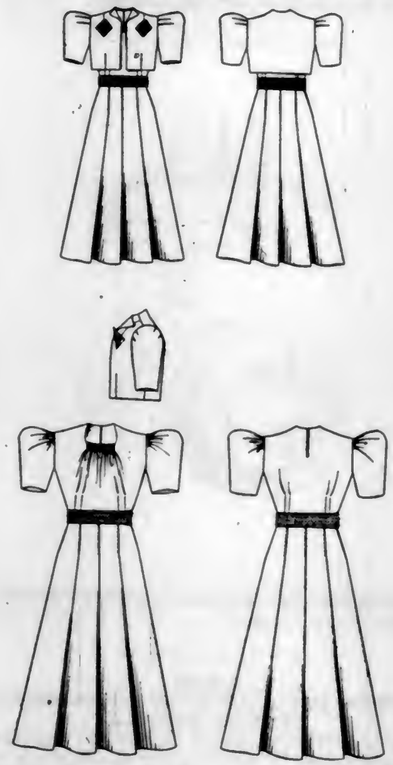
The ornamental design for a handbag, substantially as shown, and described.

118,993
DESIGN FOR AN EVENING GOWN
Harry Berman, New York, N. Y.
Application December 5, 1939, Serial No. 88,691
Term of patent 3½ years



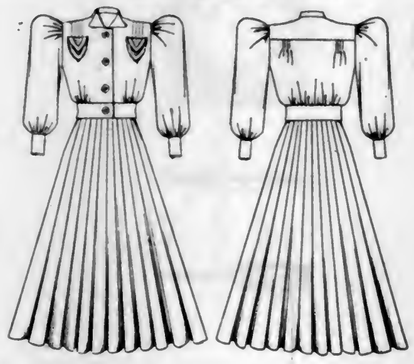
The ornamental design for an evening gown, substantially as shown.

118,994
DESIGN FOR A DRESS ENSEMBLE
Camille Charles, New York, N. Y.
Application January 2, 1940, Serial No. 89,247
Term of patent 3½ years



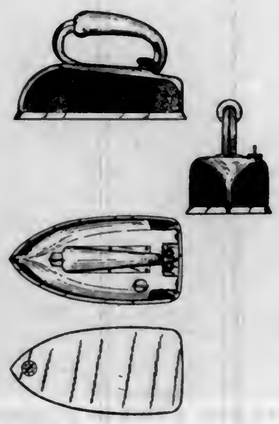
The ornamental design for a dress ensemble, substantially as shown.

118,995
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application January 2, 1940, Serial No. 89,248
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,996
DESIGN FOR AN ELECTRICALLY HEATED STEAM IRON
Jack Galter, Chicago, Ill.
Application December 15, 1939, Serial No. 88,913
Term of patent 7 years



The ornamental design for an electrically heated steam iron, substantially as shown.

118,997
DESIGN FOR A DRESS
Bella C. Goldish, New York, N. Y.
Application January 15, 1940, Serial No. 89,460
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,998
DESIGN FOR A DRESS
Joseph Gottreich, New York, N. Y.
Application December 29, 1939, Serial No. 89,199
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

118,999
DESIGN FOR A TEXTILE FABRIC
Newman Grodnick, North Bergen, N. J.
Application December 20, 1939, Serial No. 89,021
Term of patent 7 years



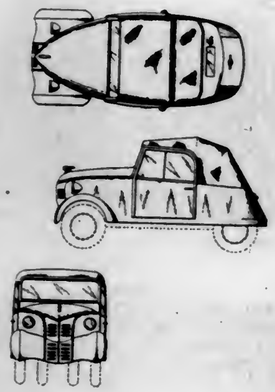
The ornamental design for a textile fabric, substantially as shown.

119,000
DESIGN FOR A TEXTILE FABRIC
Newman Grodnick, North Bergen, N. J.
Application December 20, 1939, Serial No. 89,022
Term of patent 7 years



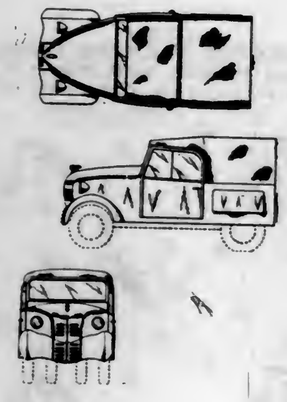
The ornamental design for a textile fabric, substantially as shown.

119,001
DESIGN FOR A VEHICLE
Leonard Keller, Ferndale, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application July 25, 1938, Serial No. 78,688
Term of patent 7 years



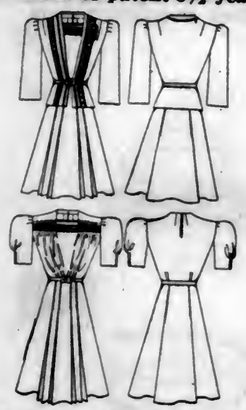
The ornamental design for a vehicle, substantially as shown and described.

119,002
DESIGN FOR A VEHICLE
Leonard Keller, Ferndale, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application July 25, 1938, Serial No. 78,689
Term of patent 7 years



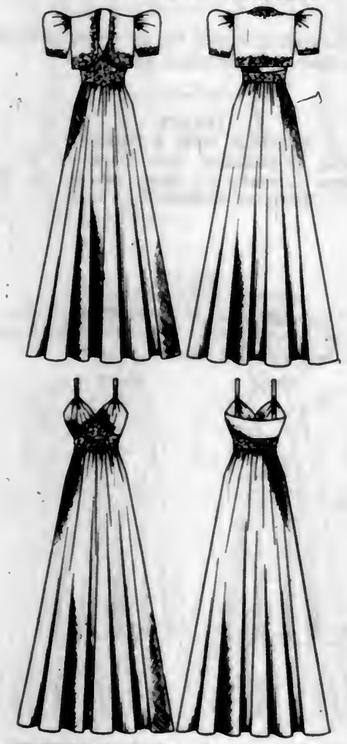
The ornamental design for a vehicle, substantially as shown and described.

119,003
DESIGN FOR A DRESS ENSEMBLE
Joseph Lipof, Mattapan, Mass.
Application December 28, 1939, Serial No. 89,162
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,004
DESIGN FOR A DRESS ENSEMBLE
Catherine G. Mascitelli, New York, N. Y.
Application January 12, 1940, Serial No. 89,410
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,005
DESIGN FOR A TEXTILE FABRIC
Louis G. Meurer, New York, N. Y.
Application November 18, 1939, Serial No. 88,858
Term of patent 3½ years



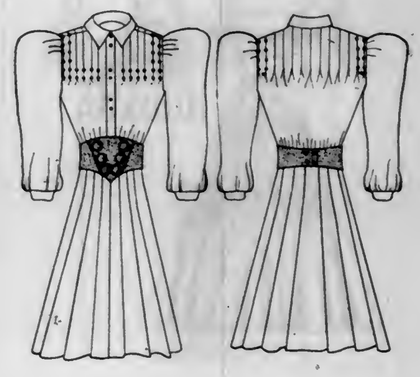
The ornamental design for a textile fabric, substantially as shown and described.

119,006
DESIGN FOR A MECHANICAL PENCIL
William O. Ponath, Richmond Hill, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application December 23, 1939, Serial No. 89,099
Term of patent 14 years



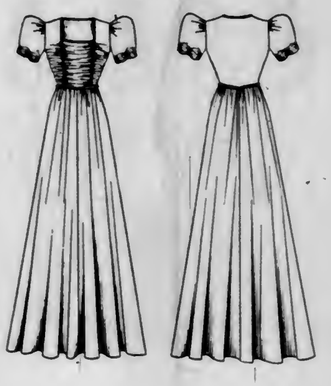
The ornamental design for a mechanical pencil, substantially as shown.

119,007
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo., assignor to Dorsa Dresses, Inc., St. Louis, Mo., a corporation of Missouri
Application December 15, 1939, Serial No. 88,921
Term of patent 3½ years



The ornamental design for a dress, as shown.

119,008
DESIGN FOR A DRESS
Anne Rebhuhn, New York, N. Y.
Application December 18, 1939, Serial No. 88,967
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

119,009
DESIGN FOR A DRESS
Anne Rebhuhn, New York, N. Y.
Application December 18, 1939, Serial No. 88,969
Term of patent 3½ years



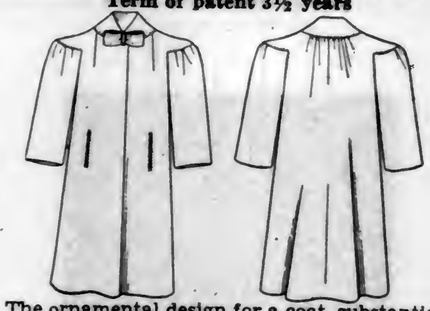
The ornamental design for a dress, substantially as shown and described.

119,010
DESIGN FOR AN ELECTRIC VAPORIZER
Joseph Robinson, New York, N. Y.
Application June 22, 1939, Serial No. 85,629
Term of patent 14 years



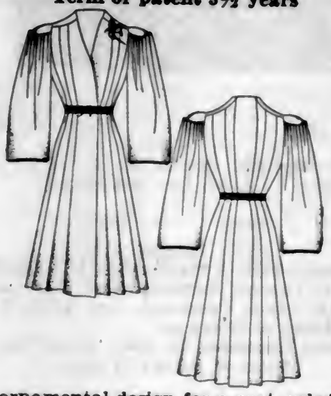
The ornamental design for an electric vaporizer, substantially as shown and described.

119,011
DESIGN FOR A COAT
Arthur Rosenzweig, New York, N. Y.
Application January 8, 1940, Serial No. 89,343
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,012
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application January 12, 1940, Serial No. 89,416
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,013
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application January 12, 1940, Serial No. 89,417
Term of patent 3½ years



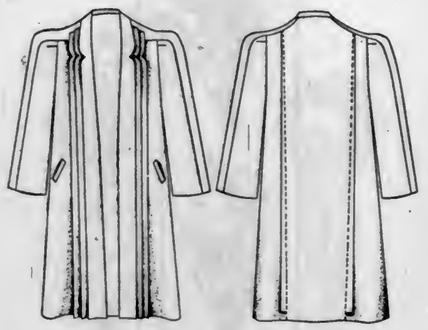
The ornamental design for a coat, substantially as shown.

119,014
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application January 12, 1940, Serial No. 89,418
Term of patent 3½ years



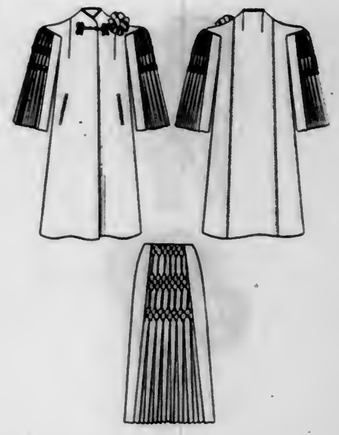
The ornamental design for a coat, substantially as shown.

119,015
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application January 12, 1940, Serial No. 89,419
Term of patent 3½ years



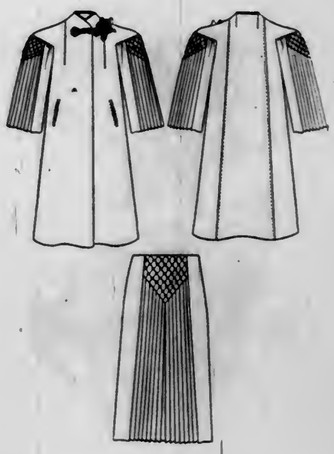
The ornamental design for a coat, substantially as shown.

119,016
DESIGN FOR A COAT
Moe Bauman, New York, N. Y.
Application December 29, 1939, Serial No. 89,197
Term of patent 3½ years



The ornamental design for a coat, substantially as shown, and described.

119,017
DESIGN FOR A COAT
Moe Bauman, New York, N. Y.
Application December 30, 1939, Serial No. 89,241
Term of patent 3½ years



The ornamental design for a coat, substantially as shown, and described.

119,018
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 10, 1940, Serial No. 89,372
Term of patent 3½ years



The ornamental design for a brooch clip or similar article, substantially as shown.

119,019
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 10, 1940, Serial No. 89,373
Term of patent 3½ years



The ornamental design for a brooch clip or similar article, substantially as shown.

119,020
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 10, 1940, Serial No. 89,374
Term of patent 3½ years



The ornamental design for a brooch clip or similar article, substantially as shown.

119,021
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 11, 1940, Serial No. 89,390
Term of patent 3½ years



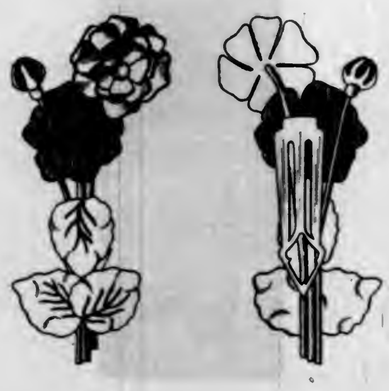
The ornamental design for a brooch clip or similar article, substantially as shown.

119,022
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 11, 1940, Serial No. 89,391
Term of patent 3½ years



The ornamental design for a brooch clip or similar article, substantially as shown.

119,023
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 12, 1940, Serial No. 89,435
Term of patent 3½ years



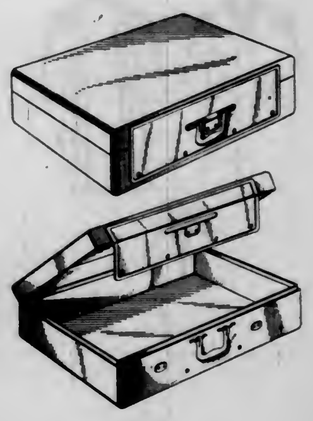
The ornamental design for a brooch clip or similar article, substantially as shown.

119,024
DESIGN FOR A BROOCH CLIP OR SIMILAR ARTICLE
Morton Berkman, New York, N. Y.
Application January 13, 1940, Serial No. 89,445
Term of patent 3½ years



The ornamental design for a brooch clip or similar article, substantially as shown.

119,025
DESIGN FOR A MUSICAL CASE OR SIMILAR ARTICLE
Luigi D'Andrea, Corona, N. Y.
Application November 28, 1939, Serial No. 88,525
Term of patent 14 years



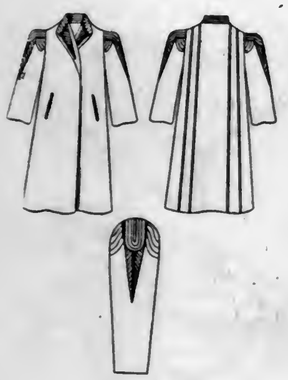
The ornamental design for a musical case or similar article substantially as shown and described.

119,026
DESIGN FOR A TEXTILE FABRIC
James R. Jowett, Philadelphia, Pa.
Application December 1, 1939, Serial No. 88,607
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

119,027
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application December 28, 1939, Serial No. 89,165
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

119,028
DESIGN FOR A SCOURING BRUSH
Melvin H. Partridge, New Rochelle, N. Y., assignor to Ox Fibre Brush Company, Inc., New York, N. Y., a corporation of Delaware
Application December 1, 1939, Serial No. 88,605
Term of patent 7 years



The ornamental design for a scouring brush, substantially as shown.

119,029
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application December 13, 1939, Serial No. 88,858
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

119,030
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application December 28, 1939, Serial No. 89,166
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,031
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application December 28, 1939, Serial No. 89,169
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

Patents Nos. 2,190,640 to 2,191,433

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 511—No. 3 TUESDAY, FEBRUARY 20, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of February 20, 1940	543
Adjudicated Patents	543
Amendments	543
Adverse Decisions in Interference	543
Notices of Cancellation	544
Applications Under Examination	
Decisions of the U. S. Courts—	
DeSanno, Jr., and deSanno & Son, Inc. v Joseph A. Lieb (The Star Dental Mfg. Co., Inc., assignee substituted)	545
	546
Patent Suits	547
Date of Patent	547
Changes in Classification	549
Trade-Marks Published (177 Applications)	568
Trade-Mark Registrations Granted	581
Trade-Mark Registrations Renewed	582
Labels	583
Prints	585
Reissues	589
Patents Granted	771
Designs	

February 20, 1940

Trade-Marks	282—No.	375,370 to No.	375,651, inclusive.
T. M. Renewals	36		
Labels	31—No.	54,267 to No.	54,297, inclusive.
Prints	6—No.	17,537 to No.	17,542, inclusive.
Reissues	14—No.	21,357 to No.	21,370, inclusive.
Patents	794—No.	2,190,640 to No.	2,191,433, inclusive.
Designs	119—No.	119,032 to No.	119,150, inclusive.
Total	1,282		

Adjudicated Patents

(D. C. N. Y.) Matushenko patent, No. 1,754,959, for bracelet lock, claim 1 *Held* not infringed. *Drakoff* v. *Morays Mfg. Co.*, 30 F. Supp. 268.

(D. C. Del.) Goranflo patent, No. 1,951,241, for distillation and purification of fatty acids, *Held* invalid. *New Process Fat Refining Corporation* v. *W. C. Hardesty Co.*, 30 F. Supp. 292.

(D. C. Del.) Tolman patent, No. 1,998,997, for distillation of fatty acids, *Held* invalid. *Id.*

(D. C. Mich.) Fisher patent, No. 2,048,605, for closed car ventilation, claims 1 to 5 *Held* invalid. *Ternstedt Mfg. Co.* v. *Motor Products Corporation*, 30 F. Supp. 288.

(D. C. Mich.) Wright reissue patent, No. 18,866, for vehicle body, claims 1, 8, 10, 11, 15, 16, and 19 *Held* invalid. *Id.*

Amendments

In order to insure the prompt delivery of amendments to the proper examining division, applicants are requested in their actions on applications to give the division number and the room number appearing on the last Office letter, as well as the date of such letter.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,975,851, J. L. Kimball, Pressure and temperature control switch, decided December 8, 1939, claims 7 and 9.

Pat. 2,096,692, O. H. Cilley, Friction member and process of making the same, decided January 30, 1940, claims 6, 7, 8, 11, 12, and 13.

Pat. 2,152,534, L. R. N. Carvalho and C. F. Schmidt, Method and apparatus for applying closures to receptacles, decided January 29, 1940, claims 1, 2, 3, and 4.

Notices of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 30, 1940.*

Fireking Fire Extinguisher Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by James A. King, 523 S. W. Pine St., Portland, Oreg., to effect the cancellation of trade-mark registration of Fireking Fire Extinguisher Company, Inc., Colman Dock on Railroad Ave., Seattle, Wash., No. 242,232, dated May 15, 1928, and the notice of such proceeding sent by registered mail to the said Fireking Fire Extinguisher Company, Inc. at the said address having been returned by the post office undeliverable, notice is hereby given that unless Fireking Fire Extinguisher Company, Inc., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. Patent Office, *Washington, D. C., Jan. 25, 1940.*

Paul Mandel and Bro., their assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Radio Corporation of America, 30 Rockefeller Plaza, New York, N. Y., to effect the cancellation of trade-mark registration of Paul Mandel and Bro., 237 Market St., Philadelphia, Pa., No. 270,174, dated April 29, 1930, and the notice of such proceeding sent by registered mail to said Paul Mandel and Bro. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Paul Mandel and Bro., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business February 3, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,447; Trade-Mark Division, 1,451. Oldest new case, June 21, 1939; oldest amended, June 10, 1939.)
(The dates given are 1939 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Aug. 28	Aug. 28	554
5708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 10	July 3	884
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 4	Dec. 4	281
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Aug. 30	Sept. 27	565
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 7	Nov. 3	417
4906 C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 10	Aug. 8	1003
5725	7. JARBOE, C. G., Optics; Photography	Oct. 3	Oct. 3	938
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	July 15	July 15	1065
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 15	Aug. 5	788
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Sept. 18	Oct. 30	493
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 13	Oct. 3	462
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms.	Sept. 10	Aug. 17	474
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 21	Aug. 21	694
5097	14. YUNO KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 13	Nov. 9	501
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 3	Aug. 3	1380
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 23	Aug. 23	637
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 2	Sept. 5	715
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 12	Sept. 13	586
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 5	Oct. 5	478
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 9	Oct. 4	348
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 21	Oct. 6	475
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 10	July 10	1090
7624	23. BUTTNER, W. J., Registers (part)	July 19	July 12	301
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	June 21	June 10	1338
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 6	Oct. 9	624
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 7	Sept. 6	492
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 3	July 25	969
4628	28. SOLYOM, H. L., Internal-Combustion Engines-Machine Element; Cylinders and Pistons	Sept. 23	Sept. 2	522
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Aug. 3	Aug. 5	832
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 5	Sept. 5	835
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 3	Oct. 3	1008
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Oct. 26	Oct. 16	330
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 12	Sept. 7	960
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Dec. 9	Oct. 31	236
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 1	Sept. 2	736
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 19	Aug. 30	626
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 16	Aug. 17	725
3084	38. KRAFFT, C. F., Earth-Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	July 11	July 11	786
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 20	Sept. 16	610
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 8	July 10	1909
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 24	Aug. 23	299
5882	42. CUTTING, H. O., Electric Signaling	July 11	July 20	712
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 13	Sept. 16	465
4067 B	44. HARVEY, L. P., Refrigeration	Sept. 5	Sept. 5	662
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 31	Oct. 21	539
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 8	Sept. 12	756
6082	47. LOWE, E. R., Clutches; Brakes	Oct. 4	Oct. 4	536
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 9	Sept. 13	476
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 2	Aug. 1	948
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 1	Sept. 12	1347
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 2	Nov. 9	634
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 30	Oct. 9	699
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 28	Oct. 2	300
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 8	Nov. 9	307
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 4	Oct. 2	437
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 7	Aug. 4	1245
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 11	Oct. 13	423
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 20	Sept. 13	497
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 24	Sept. 1	853
5806	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 22	Sept. 22	410
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 7	Sept. 6	620
5621	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 6	Nov. 9	410
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 17	July 12	1058
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Oct. 18	Oct. 18	712
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 27	Sept. 16	494
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Dec. 15	Dec. 27	1348
2605	Designs: H. H. KALUPY (Labels and Prints	†Jan. 22	†Jan. 12	103
		Dec. 1	Jan. 2	921

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

DESANNO, JR., AND DESANNO & SON, INC.

v.

JOSEPH A. LIEB (THE STAR DENTAL MFG. CO., INC., ASSIGNEE SUBSTITUTED)

No. 4,182. Decided December 4, 1939

[107 F.(2d) 615]

1. TRADE-MARKS—CANCELLATION—PETITION BY PRINCIPAL STOCKHOLDER OF A CORPORATION.

"Appellants contend that the principal stockholder of a corporation may file a petition for cancellation of a trade-mark where such corporation claims to own the trade-mark involved. We cannot agree with this contention. The fact that an individual is the chief stockholder of a corporation can give him no right to act for the corporation."

2. SAME—SAME.

Record reviewed and *Held* that at the time of filing the petition for cancellation the first named petitioner was not exercising any right whatever with respect to the mark sought to be cancelled, having transferred all his assets to the second named petitioner for which the petition contained no allegation of ownership or interest in the involved trade-mark, and *Held* that the petition for cancellation was properly dismissed.

APPEAL from Patent Office. Affirmed.

Mr. Harry Langsam for deSanno, Jr., and deSanno & Son, Inc.

Messrs. Caesar and Rivise (*Mr. A. D. Caesar* of counsel) for Lieb (The Star Dental Mfg. Co. Inc., assignee substituted.)

LENROOT, *J.:*

This is a trade-mark cancellation proceeding in which one of the appellants, Albert P. deSanno, Jr., on September 25, 1935, filed with the Commissioner of Patents a petition for the cancellation of registration No. 274,971 for the trade-mark "Tempryte", used upon dental instruments, registered by Joseph A. Lieb, trading as "Star Dental Mfg. Co.", on September 9, 1930. The statement in the application for registration of the mark filed by appellee Lieb alleged that said mark had been used by the registrant since April, 1920.

The petition for cancellation alleged that petitioner was the owner of said mark and that it was his property prior to April, 1920; that said mark had been continuously used by the petitioner, trading as A. P. deSanno & Son, since 1920 for dental instruments; and that Joseph A. Lieb, doing business as Star Dental Mfg. Co,—

"without the knowledge and permission of Albert P. deSanno, Jr., registered the trade-mark in the United States Patent Office."

The petition contained the usual allegation of injury by reason of said registration.

Appellee's answer denied most of the allegations of the petition and alleged that he was the lawful owner of said mark.

On or about November 7, 1936, appellant Albert P. deSanno, Jr., through his attorney, made a motion under Equity Rule 37 as follows:

The Commissioner of Patents:

Now comes the petitioner, Albert P. deSanno, Jr., by his attorney and respectfully requests that the petition filed October 5, 1936 be withdrawn and the herein motion substituted for the withdrawn motion:

(1) That the caption of the above entitled cancellation proceedings be amended to read as follows:

ALBERT P. DESANNO, JR., trading as A. P. deSanno & Son, and A. P. deSanno & Son, Inc., a corporation of Pennsylvania

vs.

JOSEPH A. LIEB (THE STAR DENTAL MANUFACTURING CO., INC., assignee, substituted)

(2) That your petitioner, Albert P. deSanno, Jr., has traded as A. P. deSanno & Son, as is evidenced by the labels, petitioner's exhibits Nos. 1 and 2, filed in the original petition for cancellation.

(3) That Albert P. deSanno, Jr., is president of A. P. deSanno & Son, Inc., a Pennsylvania corporation, and that Albert P. deSanno, Jr. owns most of the stock of A. P. deSanno & Son, Inc.

(4) That A. P. deSanno & Son, Inc., intervener, is a real and joint party in interest with Albert P. deSanno, Jr.

(5) That A. P. deSanno & Son, Inc., is a proper party to a complete determination of the cause.

It is respectfully requested that the above motion be granted.

HARRY LANGSAM,
Attorney for
Albert P. deSanno, Jr.

On November 17, 1936, the motion was granted, the Examiner of Interferences stating:

The motion is granted to the extent that A. P. deSanno & Son, Inc., is hereby permitted to join with the petitioner in this proceeding and will hereinafter be prima facie considered to be a real party in interest within the meaning of Equity Rule 37.

This motion was made and granted after the appellant Albert P. deSanno, Jr., had completed his evidence in chief and appellee had completed its evidence; but after said motion was granted certain rebuttal testimony was taken on behalf of appellants, both of whom were represented by the same counsel.

The appellant A. P. deSanno & Son, Inc. filed no petition for cancellation, nor was the original petition for cancellation amended in any way other than in its caption. The allegations of said original petition do not mention in any way the appellant A. P. deSanno & Son, Inc.

Upon final hearing the Examiner of Interferences held that it had not been established that the petitioners owned and were using the mark at the time the petition for cancellation was filed, and therefore dismissed the petition.

Upon appeal the Commissioner of Patents affirmed the decision of the Examiner of Interferences. In his decision the Commissioner expressed doubt as to whether A. P. deSanno & Son, Inc. had become a party to this proceeding by the granting of the motion above referred to. He also expressed the opinion that there was an obvious misjoinder of petitioners, but stated that he found it unnecessary to determine that point as a factor in his decision. The Commissioner further stated in his decision:

As already noted, the petition alleges that Albert P. deSanno, Jr., is the owner of the trade-mark in question, and that he has used it continuously since 1920. There

is no averment that A. P. deSanno & Son, Inc., has ever used the mark, or that it has any interest therein, or that it is or will be injured by the registration sought to be canceled. In other words, regardless of what may be established by the evidence, the facts set forth in the petition are manifestly insufficient to support a judgment in favor of the corporation. It appears, however, from the testimony of his own witness Haddock, that some two years before the commencement of this cancelation proceeding the petitioner deSanno transferred to A. P. deSanno & Son, Inc., any rights he may theretofore have possessed in the trade-mark; so that upon the record he is in no better position than is the corporation.

Because no facts are pleaded entitling A. P. deSanno & Son, Inc., to relief, and the evidence submitted in his behalf conclusively negatives the alleged rights of Albert P. deSanno, Jr., the petition for cancelation should have been dismissed without regard to the validity of the Lieb registration.

We are fully in accord with the views of the Commissioner above quoted.

As stated by the Commissioner, there is no allegation in the petition for cancellation that appellant A. P. deSanno & Son, Inc. was, at the time of filing the same or at any other time, the owner or had any interest in the involved trade-mark. The testimony on behalf of appellants affirmatively shows that A. P. deSanno & Son, Inc. was incorporated in 1933, and that on August 1, 1933, deSanno, Jr., trading as A. P. deSanno & Son, transferred all his property and assets to said corporation. This transaction took place more than two years before the petition for cancellation was filed, so that it is clear that deSanno, Jr. as an individual had no legal interest whatever in this proceeding; and as stated there is no averment in the petition that the corporation has ever used the mark or has any interest therein, or that it is or will be injured by the registration sought to be cancelled.

The testimony shows that deSanno, Jr. owns 95 per cent of the stock of the corporation A. P. deSanno & Son, Inc., and appellant's counsel insists that this fact qualifies him to bring this proceeding since, he being the principal stockholder, it is clear that he is or will be injured by appellee's registration.

[1] In other words, appellants contend that the principal stockholder of a corporation may file a petition for cancellation of a trade-mark where such corporation claims to own the trade-mark involved. We cannot agree with this contention. The fact that an individual is the chief stockholder of a corporation can give him no right to act for the corporation.

The statute clearly contemplates that only a party who has the right to the use of a trade-mark may prosecute in the Patent Office an application for the cancellation of the registration of such trade-mark to another. This was directly decided in the case of *Standard Brewery Company* v. *Interboro Brewing Company*, 44 App. D. C. 193, 222 O. G. 728.

In Trade-Marks by Shoemaker, section 322, it is stated:

> The person applying for cancellation must be one exercising some right inconsistent with the right of exclusive use of the trade-mark claimed by the registrant and such that the continuance of the mark on the register will react to his injury. • • •

[2] In the case at bar it is established that deSanno, Jr., having transferred all his assets to the corporation, was not at the time of filing his petition for cancellation exercising any right whatever with respect to the mark sought to be cancelled. See also *Kelly Liquor Company* v. *National Brokerage Company, Inc.*, etc., 26 C. C. P. A. (Patents) 1110, 102 F.(2d) 857.

We are clear that upon the record before us the petition for cancellation should be dismissed for the reasons above stated.

The Commissioner also found upon the merits that appellee was the first user and owner of the trade-mark here involved.

The Commissioner very properly made a finding upon this issue, but in view of our conclusion upon the other issue we find it unnecessary to consider it.

For the reasons stated the decision of the Commissioner is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,317,912, T. C. Dyer, Steering gear for automobiles; 1,577,821, W. P. Campbell, Stabilizing device, D. C., W. D. Mo. (Kansas City), Doc. 268, *H. S. Clair et al.* (*The Anti-Shimmie Mfg. Co.*) v. *Marshall's U. S. Auto Supply, Inc.* Dismissed with prejudice (notice Nov. 21, 1939).

1,389,067, M. D. Nielson, Undergarment for women; Re. 17,903 (of 1,680,267), same, Process of making garments for women and children, D. C. Minn., 4th Div., Doc. E 2811, *Winget Kickernick Co. et al.* v. *J. C. Penny Co., Inc.* Injunction July 20, 1936. Claims 1, 2, and 5 of 1,389,067, and claims 1 and 4 of Re. 17,903, and trade-mark not infringed Nov. 16, 1939. Doc. E 2810, *Winget Kickernick Co. et al.* v. *S. S. Kresge Co.* Decree as above.

1,577,821. (See 1,317,912.)

1,673,727, L. V. Aronson, Cigar lighter, C. C. A., 2d Cir., Doc. —, *Art Metal Works, Inc.*, v. *Abraham & Straus, Inc.* Decree reversed (notice Nov. 21, 1939). Doc. —, *Art Metal Works, Inc.*, v. *Abraham & Straus, Inc.* Decree affirmed (notice Nov. 21, 1939).

1,680,267. (See 1,389,067.)

1,807,574, H. L. Johnston, Meat grinder, C. C. A., 2d Cir., Doc. —, *The Hobart Mfg. Co.* v. *Landers, Frary & Clark.* Decree affirmed (notice Nov. 21, 1939).

1,832,143, E. R. Sitton, Heat insulation, D. C., S. D. Tex. (Houston), Doc. 93, *E. R. Sitton et al.* (*Hammer-Sitton Co.*) v. *Oil Field Insulation Service, Inc.* Dismissed Nov. 21, 1939.

1,850,214, C. M. O'Neil, Piston skirt expander, filed Nov. 16, 1939, D. C., W. D. Mo. (Kansas City), Doc. 408, *Thexton Mfg. Co. et al.* v. *H. J. Rode et al.* Consent decree (notice Nov. 17, 1939).

1,899,437, W. E. Ghent, Wire bending machine, D. C., W. D. N. Y., Doc. 2120, *Boggs Mfg. Corp.* v. *N. H. Norris Mfg. Co.* Dismissed for lack of prosecution without prejudice Nov. 14, 1939.

1,940,628, T. J. Litle, Jr., Hot spot manifold, C. C. A., 6th Cir., Doc. 7851, *E. Holley* v. *Goldner Sales Co.* Claims 4 to 8 inclusive held not infringed Nov. 17, 1939.

1,942,250, J. Letz, Brassière, suit for declaratory judgment filed Nov. 16, 1939, D. C., S. D. N. Y., Doc. 6/328, *E. Lances Brassieres* v. *J. Letz.*

1,979,470, J. C. Johnston, Method of joining bell and spigot pipe sections, filed Nov. 3, 1939, D. C., N. D. Ohio, E. Div., Doc. 20060, *Universal Sewer Pipe Corp. et al.* v. *The General Construction Co. et al.*

1,982,059, W. L. Lawler, Power churn, filed Nov. 21, 1939, D. C., N. D. Ala. (Birmingham), Doc. 5055, *O. B. Whiteside* v. *Alabama Appliance Co., Inc.*

1,993,795, R. A. Miller, Sound recording system, included by amendment to complaint Nov. 15, 1939 in suit filed May 26, 1939, D. C., S. D. Calif., C. Div., Doc. 409 Y, *Western Electric Co., Inc., et al.* v. *Glen Glenn Sound Co.*

2,043,285, J. R. Dennis, Braider carrier, filed Nov. 17, 1939, D. C. R. I., Doc. 40, *International Braid Co.* v. *Providence Braid Co.*

2,047,378, J. F. Martin, Motor vehicle exhaust pipe extension, D. C., N. D. Ohio, W. Div., Doc. E 1567, *The Bellevue Mfg. Co.* v. *The Western Auto Supply Co.* Dismissed Nov. 21, 1939.

2,068,862, A. L. Lee, Chain link connection, filed Nov. 17, 1939, D. C., W. D. Pa., Doc. 670, *The A. L. Lee Co. et al.* v. *Jeffery Mfg. Co.*

2,060,871, S. O. Blanc, Cutter member for cleaning drain pipes, D. C. Minn., 4th Div., Doc. 200, *S. O. Blanc* v. *C. F. Moberg et al.* Injunction Nov. 15, 1939.

2,097,838. (See 2,126,564.)

2,121,884. (See Des. 116,831.)

2,123,709, Bristow & Strong, Therapeutic light ray apparatus, D. C., S. D. Calif., C. Div., Doc. 356 Y, *F. H. Bowers et al.* v. *F. S. Rubens et al.* (*Electro Therapy Sales Co.*). Bill and counterclaim dismissed without prejudice Nov. 14, 1939.

2,126,564, O. J. Leins, Safety pilot shutoff; 2,126,587, Thornbery & Mantz, Thermo-electric safety valve; 2,097,838, S. Karrer, Safety device for gas burners; 2,156,235, Betz & Karrer, Safety device for gas burners, filed Nov. 17, 1939, D. C., W. D. Pa., Doc. 669, *Milwaukee Gas Specialty Co. et al.* v. *Robertshaw Thermostat Co.*

2,126,587. (See 2,126,564.)

2,147,793, W. J. Kropp, Process of manufacturing packing and insulating material; 2,166,926, same, Packing and insulating material, filed Aug. 9, 1939, D. C. Kans., 2d Div., Doc. 1852, *Insul-Wool Insulation Corp.* v. *Green & Pries Insulation & Weather Strip Co.*

2,156,235. (See 2,126,564.) 2,166,926. (See 2,147,793.)

2,176,898, L. Fried, Container, filed Nov. 17, 1939, D. C., S. D. N. Y., Doc. 6/334, *U. S. Can Corp.* v. *American Can Co. et al.*

Re. 16,657, J. S. Andrews, Wall furnace, D. C., S. D. Calif., C. Div., Doc. E P-114-H, *J. S. Andrews* v. *Pacific Gas Radiator Co.* Claims 5, 7, 8, 9, and 10 held invalid, claims 1, 3, 6, and 11 held valid, and claims 12 and 14 valid only if limited Nov. 15, 1939.

Re. 17,903. (See 1,389,067.)

Re. 18,841, J. Mayer, Hair waving method, C. C. A., 2d Cir., Doc. 16696, *The Philad Co.* v. *Lechler Laboratories, Inc.* Decree affirmed (notice Nov. 21, 1939).

Des. 69,311, G. E. Curtiss, Jug, C. C. A., 2d Cir., Doc. 16746, *Landers, Frary & Clark* v. *Grand Silver Co., Inc.* Decree affirmed (notice Nov. 21, 1939).

Des. 113,772, H. Sumergrade, Comfortable, filed Nov. 22, 1939, D. C., E. D. N. Y., Doc. 711, *H. Sumergrade & Sons, Inc.*, v. *L. Buchman & Co., Inc.*

Des. 116,831, E. Prazak, Jr., Tucked fabric; 2,121,884, same, Sewing machine, filed Nov. 18, 1939, D. C., S. D. N. Y., Doc. 6/338, *E. Prazak, Jr.*, v. *K. & P. Fancy Stitching Machine Co., Inc., et al.*

T. M. 108,905, T. M. 128,241, Hart Schaffner & Marx, Coats, vests, trousers, overcoats and raincoats, filed Nov. 6, 1939, D. C., E. D. Ky. (Lexington), Doc. E —, *Hart Schaffner & Marx* v. *F. Phillips* (*Phillips & Phillips*).

T. M. 128,241. (See T. M. 108,905.)

Date of Patent

RULE 167. • • • The issue closes weekly on Thursday, and the patents of that issue bear date as of the *fourth* Tuesday thereafter.

Changes in Classification

Order No. 3,501, January 31, 1940, directs:

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27), establish the following subclasses and definitions:

Attachments
Window cleaners
250.3 With material applying means
250.4 Supply removed from cleaning implement,
250.5 With heating means.

250.3. Window cleaners under subclass 250 having means designed to apply some material, which may be in solid, liquid, vapor or gas form, to the window surface, in addition to the cleaning implement or implements.

(1) Note.—In this subclass, for example, are movable cleaning implements that form or carry a supply chamber, absorbent wipers to be saturated with material, wipers of bag form to carry material, and implements in the form of composition blocks or bars of the material to be applied.

(2) Note.—The materials are usually for either cleaning or antifreeze purposes.

(3) Note.—Many of these patents provide means for heating the material applied.

(4) Note.—Where the only material applied is atmospheric air caused to flow due to the effect of a heater, or the material collected by the cleaning instrument from the window is delivered to such heater, see this class, subclass 250.5.

(5) Note.—See class 20, WOODEN BUILDINGS, subclass 40.5, and class 98, VENTILATION, subclass 90 and indented subclasses, for window condensation preventers not having cleaning implements.

250.4. Window cleaners under subclass 250.3 in which the source of the material to be applied is mounted separate from the cleaning implement and delivers material to the window surface.

Note.—Patents in which the cleaning implement forms or carries a supply chamber, or in which the material to be applied is carried by the cleaning implement, are in this class, subclass 250.3.

250.5. Window cleaners under subclass 250 having heating means.

(1) Note.—See subclass 250.3, and indented subclass, and notes (3) and (4) to the definition of subclass 250.3, for patents having both heating means and material applying means.

(2) Note.—See class 219, ELECTRIC HEATING, subclass 19, for electric heaters applied to windows but not combined with cleaning implements.

The patents contained in these subclasses have been taken for the most part from class 15, subclass 250 and indented subclasses.

In *class 137, Water Distribution* (Division 39), change the title of subclass 69 to read:

69 Valves with other structure.

In *class 240, Illumination* (Division 30), abolish the following subclass, with its definition:

Combined light and structure
2.16 Combined fan and lamp.

The patents from this subclass have been placed for the most part in class 230, Gas Pumps and Fans, subclass 249.5.

In *class 4, Baths, Closets, Sinks, and Spittoons* (Division 1), subclass 255, note (4) change "and 24" to *subclass 24, and at the end of the note add: and subclass 28, for flushers.*

In *class 9, Boats and Buoys* (Division 9), add in the main class definition the following note:

Note.—See class 228, LADDERS, subclass 54, for boat and ship's ladders.

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27), in subclass 103, add the following note:

Note.—See this class, subclasses 126, 220, 232, and 250 and indented subclasses, for other window cleaners;

in subclass 104.03, at the end of note (2) add:

and 257, HEAT EXCHANGE, subclass 1;

and in note (3) add:

4—BATHS, CLOSETS, SINKS, AND SPITTOONS, subclass 255 and indented subclasses;

in subclass 126, cancel the note and substitute the following notes:

(1) Note.—See this class, subclass 103, 220, 232, and 250 and intended subclasses, for other window cleaners.

(2) Note.—Compare this class, subclass 117, 121, and 245;

in subclass 220, in note (2) cancel "232", and add:

(3) Note.—See this class, subclasses 103, 126, 232 and 250, and indented subclasses, for other window cleaners;

in subclass 232, in the note, cancel "126 and 220" and substitute:

103, 126, 220 and 250 and indented subclasses, for other window cleaners;

and in subclass 250, cancel note (1) and substitute:

(1) Note.—For window cleaners not having features of construction designed for attachment to a window or its frame, see other appropriate subclasses of this class, particularly subclasses 103, 126, 220, 232, and 245.

In *class 20, Wooden Buildings* (Division 33), in subclass 40.5, under (2) Search classes, at the end of the reference to class 15, add: *for related structures combined with cleaning implements.*

In *class 56, Harvesters* (Division 5), subclass 344, add:

(3) Note.—See class 210, LIQUID SEPARATION OR PURIFICATION, subclass 176, for flume screen rakes.

In *class 98, Ventilation* (Division 49), subclass 90, number the existing note (1) and add:

(2) Note.—Class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 250 and indented subclasses, for related structures combined with a cleaning implement.

In *class 114, Ships* (Division 22), in the main class definition, before the second paragraph, insert:

(1) Note.—;

and add the following note:

(2) Note.—See class 228, LADDERS, subclass 54, for ship's ladders.

In *class 126, Stoves and Furnaces* (Division 19), in subclass 67, add the following notes:

(3) Note.—See this class, subclass 6, for combined cooking and hot air stoves.

(4) Note.—See this class, subclass 121, and indented subclasses, and the notes thereunder, for hot air fireplaces;

in subclass 99, change note (1) to read:

(1) Note.—See this class, subclass 6, for combined cooking and hot air stoves, subclass 67, and indented subclasses, and the notes thereunder, for hot air stoves, and subclass 121, and indented subclasses, and the notes thereunder, for hot air fireplaces;

and in subclass 121, in the note change the word "search" to *(1) Note.*—, and add:

(2) Note.—For other hot air fireplaces, see this class, subclasses 129 and 131.

In *class 182, Sewerage* (Division 1), subclass 28, renumber note (2) as (4) and add the following note:

(2) Note.—See class 4, BATHS, CLOSETS, SINKS, AND SPITTOONS, subclass 255, and indented subclasses, for obstruction removers and closures.

In *class 219, Electric Heating* (Division 60), subclass 19, under (3) "Search class" add:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 250, and indented subclasses, for electric heaters associated with window cleaning attachments.

In *class 230, Gas Pumps and Fans* (Division 9), subclass 249.5, cancel the existing note and substitute:

(1) Note.—See class 219, ELECTRIC HEATING, appropriate subclasses, for pumps and fans combined with electrical illuminating means related with the pump or fan to heat the fluid moved thereby, and also pumps and fans having both an electric heater for the fluid and illuminating means which does not heat the fluid.

(2) Note.—See class 240, ILLUMINATION, subclass 2, and indented subclasses, and the notes to the definitions of such subclasses, for combinations of illuminating means with things other than fans.

In *class 240, Illumination* (Division 30), in subclass 2, under (2) "Search classes", add:

219—ELECTRIC HEATING, appropriate subclasses, for electric heaters, in which a lamp is the heater or a lamp for illuminating purposes is used in addition to an electric heater, particularly subclasses 38, and indented subclasses, and 45.

230—GAS PUMPS AND FANS, subclass 249.5, for combined fan and illuminating means.

In *class 285, Pipe Joints or Couplings* (Division 52), subclass 88, in the note, change 127 to read: 126 and indented subclass.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 20, 1940

[VOL. 511. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 422,896. LAWRENCE H. FOWLER, Garden City, Long Island, N. Y. Filed Aug. 23, 1939.

TAPS

For Sponge Rubber or Other Absorbent Raw or Partly Prepared Material, Flavored or Scented for Use as Bait in Animal Traps.

Claims use since Aug. 18, 1939.

Ser. No. 424,039. MORRIS GOLDSTEIN, Pawtucket, R. I. Filed Sept. 29, 1939.

Goldie Brand



The word "Brand" and the illustration of the goods is disclaimed apart from the mark.

For Rug Filler in the Nature of Fiber.

Claims use since Sept. 12, 1939.

Ser. No. 424,948. ARATEX, INC., Bristol, R. I. Filed Oct. 27, 1939.

ARALAC

For Fibrous Materials in the Form of Filaments of Staple or Longer Lengths Produced from Proteinaceous Substances.

Claims use since July 19, 1939.

Ser. No. 425,384. BEE TREE VERMICULITE MINES, Asheville, N. C. Filed Nov. 8, 1939.

BEE TREE

For Crude and Exfoliated Vermiculite.

Claims use since Mar. 6, 1936.

Ser. No. 425,660. THE TURFTEX COMPANY, Chicago, Ill. Filed Nov. 15, 1939.



The words "The Complete Lawn Dressing" are disclaimed apart from the mark.

For Lawn Dressing Consisting of Black Dirt, Humus, Sand, and Other Materials in Certain Proportions.

Claims use since Oct. 1, 1939.

Ser. No. 426,351. UNITED FELDSPAR CORPORATION, New York, N. Y. Filed Dec. 7, 1939.

LITHOSPAR

For Mixture of Spodumene and Feldspar.

Claims use since July 5, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 419,132. WHITING & DAVIS COMPANY, Plainville, Mass. Filed May 5, 1939.

ALUMESH

For Mesh Bags Made from a Base Metal.

Claims use since Apr. 28, 1939.

CLASS 4

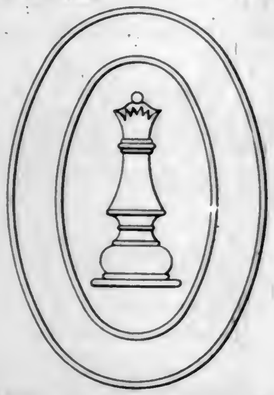
Abrasive, Detergent, and Polishing Materials

Ser. No. 426,217. GUSTAVE NAPOLEON, doing business as Napco Producta Co., Trenton, N. J. Filed Dec. 4, 1939.

CHLORO-D

For Cleaning Preparation Having Incidental Deodorant and Disinfectant Properties, Used Particularly in Dairy and Poultry Sanitation.
Claims use since Oct. 1, 1938.

Ser. No. 426,761. MARY CHESS INC., New York, N. Y. Filed Dec. 20, 1939.



For Soap.
Claims use since Sept. 16, 1939.

CLASS 5

Adhesives

Ser. No. 426,484. CROSBY NAVAL STORES, INCORPORATED, Picayune, Miss. Filed Dec. 12, 1939.

COREX

The drawing is lined for red.
For Resinous Core Binder for Use in Foundry Practice.
Claims use since Jan. 18, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 419,407. LASCO LAUNDRY SUPPLY COMPANY, Dallas, Tex. Filed May 13, 1939.

Blue Ribbon

For Laundry Products Consisting of Sour, Builder, Starch, Bleach.
Claims use since Aug. 18, 1938.

Ser. No. 421,699. ETCHALL, INC., New York, N. Y. Filed July 18, 1939.

RE-NU-WALL

For Specially Prepared Formula for Use in Restoring the Natural Finish to Limestone, Granite, Sandstone, Cement and Brick Which Have Not Been Painted, and Having Incidental Properties for Removing Rust Stains from Sinks, Tubs, Tile and/or Marble Floors, Stair Treads and Risers.
Claims use since June 9, 1939.

Ser. No. 425,240. ALEXANDER GRANAT, New York, N. Y. Filed Nov. 4, 1939.

SALFERAL

For Processed Liquid or Mineral Water Produced by Filtering Water Through Acid, Oxidized Clays, Causing the Water to Absorb the Chemical Qualities of Said Clays.
Claims use since Aug. 1, 1939.

Ser. No. 425,293. NICOSIA PERMANENT WAVING CO., INC., Houston, Tex. Filed Nov. 6, 1939.

VINIS
VEE-NEES
KREEM
WAVE

The term "Kreem Wave" is disclaimed apart from the mark.
For Permanent Wave Cream.
Claims use since Oct. 1, 1939.

Ser. No. 425,791. LANDER CO. INC., New York, N. Y. Filed Nov. 18, 1939.

dorothy deanne

For Face Powder, Skin Cream, Cologne, Bath Crystals, Hand Lotion, Shampoo.
Claims use since October, 1937.

Ser. No. 426,056. STERLING T. DUDLEY, Philadelphia, Pa. Filed Nov. 29, 1939.

Oranged

SA-LAX

No claim is made to the word "Oranged" apart from the mark.
For Laxative and Antacid.
Claims use since 1924.

Ser. No. 426,154. CARTER PRODUCTS, INC., New York, N. Y. Filed Dec. 2, 1939.

FIZZ-O

For Effervescent Salts and Laxatives in the Form of Salts.
Claims use since Nov. 28, 1939.

Ser. No. 426,159. DAVID CRAMPTON, doing business as Highside Chemicals Company, Newark, N. J. Filed Dec. 2, 1939.

THAWZONE

For Liquid Dehydrant for Refrigerants.
Claims use since May 2, 1938.

Ser. No. 426,198. HOUSE OF CHARM COSMETIC CO., Chicago, Ill. Filed Dec. 4, 1939.

HOUSE of CHARM

For Cosmetics Comprising Face Powder, Lipstick, Cream Rouge, Dry Rouge, Hand Lotion, Skin Freshener Lotion, Foundation Creams, Tissue Creams, Dry Skin Creams, and Cold Creams.
Claims use since April, 1935.

Ser. No. 426,216. OD PEACOCK SULTAN COMPANY, St. Louis, Mo. Filed Dec. 4, 1939.

Thi-amino

For Liquid Vitamin Preparation for Loss of Appetite and Fatigability.
Claims use since Aug. 24, 1939.

Ser. No. 426,269. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Dec. 5, 1939.

AURINOL

For Chemical Substance and Compound used industrially and Intended for Industrial Use as a Detergent, and as a Wetting, Dispersing and Penetrating Agent in Processing Textiles, Manufacturing Ceramics, Insecticides and in Processing or Manufacturing Other Products in Which Wetting, Dispersing and Penetrating Agents are Used.
Claims use since Nov. 13, 1939.

Ser. No. 426,331. JONATHAN P. B. FISKE, Auburndale, Mass. Filed Dec. 7, 1939.

FIRE MAGIC

For Flame Coloring Material.
Claims use since September, 1939.

Ser. No. 426,350. JOSEPH J. TRISKA, New York, N. Y. Filed Dec. 7, 1939.

Triskalite

For Chemicals for Electroplating, Particularly Chromium Plating.
Claims use since Mar. 31, 1939.

Ser. No. 426,363. INTERNATIONAL AFFILIATED CORPORATION, New York, N. Y. Filed Dec. 8, 1939.

PHARGITAN

For Preparation Used in the Treatment of Minor Irritations of the Throat.
Claims use since Nov. 27, 1939.

Ser. No. 426,373. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Dec. 8, 1939.

EVEREADY

For Anti-Freeze and Corrosion Preventive, Both for Use in Automobile and Other Cooling Systems.
Claims use since Sept. 15, 1927, on anti-freeze; and since Mar. 24, 1931, on corrosion preventive.

Ser. No. 426,413. WALTER R. SCHEETZ, Los Angeles, Calif. Filed Dec. 9, 1939.

PEDI-PEEL

For Foot Bath Powder.
Claims use since Jan. 1, 1932.

Ser. No. 426,424. F. J. AIREY CO., INC., Los Angeles, Calif. Filed Dec. 11, 1939.

KO-NOX

For Cold Tablets.
Claims use since Nov. 6, 1939.

Ser. No. 426,433. THE BROWNE PHARMACY, INC., New Bedford, Mass. Filed Dec. 11, 1939.

Jamaicol

For Preparation for Coughs.
Claims use since June, 1909.

Ser. No. 426,708. PINE BROS., INC., Philadelphia, Pa. Filed Dec. 18, 1939.

ALKA-PEPS

For Antacid Preparation.
Claims use since Nov. 29, 1939.

Ser. No. 426,770. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 20, 1939.

PARISUL

For Insecticides and Fungicides for use on Vegetation.
Claims use since July 28, 1939.

Ser. No. 426,821. VALENTINE LABORATORIES, INC., Chicago, Ill. Filed Dec. 21, 1939.

BAN

For Breath Sweetener.
Claims use since May 17, 1938.

Ser. No. 426,841. FRED W. NOAK, doing business as Okaon Laboratory, Cincinnati, Ohio. Filed Dec. 22, 1939.



OKAON

For Liquid Balm for External Application for Asthma, Rheumatism, and Pains in Muscles and Joints.
Claims use since October, 1939.

Ser. No. 426,948. GENERAL LUMINESCENT CORPORATION, Chicago, Ill. Filed Dec. 28, 1939.

LUMI-TONE

For Fluorescent Chemicals and Mixtures of Fluorescent Chemicals, Sold in Dry Form, and as Suspensions in Liquid Vehicles, Adapted for Coating Tubes and Other Surfaces for Lighting and Display Purposes.
Claims use since Nov. 15, 1938.

Ser. No. 427,071. FRANK DUDGEON, doing business as Exola Medicine Company, Fairmont, W. Va. Filed Jan. 2, 1940.

EXOLA

For Health Tonic Designed to Act as a Laxative, Diuretic Stimulant and a Mild Stimulant to the Appetite.
Claims use since Dec. 1, 1939.

Ser. No. 427,182. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Jan. 5, 1940.

WARCONYL

For Dyestuffs for All Fibres, Yarns, and Fabrics as Well as Leather and Paper.
Claims use since Dec. 1, 1939.

Ser. No. 427,214. TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Jan. 6, 1940.

Incotin

For Ointment for Use in the Treatment of Rheumatic Conditions.
Claims use since Jan. 2, 1940.

Ser. No. 427,215. TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Jan. 6, 1940.

Precotine

For Ointment for Use in the Treatment of Rheumatic Conditions.
Claims use since Jan. 2, 1940.

Ser. No. 427,257. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 8, 1940.

SYNKAMIN

For Preparation Used in the Treatment of Vitamin K Deficiencies.
Claims use since Dec. 21, 1939.

Ser. No. 427,297. THE G. E. CONKEY CO., Cleveland, Ohio. Filed Jan. 10, 1940.

Dia-Tabs

For Preparation for Use in Drinking Water for the Treatment of Poultry for Intestinal Disorders.
Claims use since May 1, 1939.

Ser. No. 427,338. DELETTREZ, INC., Long Island City, N. Y. Filed Jan. 11, 1940.

MAINLINER

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, and Solid Forms; Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Lip Stick Removers, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Aug. 26, 1939.

Ser. No. 427,518. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Filed Jan. 16, 1940.

THERMELT

For Synthetic Resinous Materials to Be Used for Coating Paper, Textiles, and Other Flexible Sheet Material by the Hot Melt Method.
Claims use since Dec. 14, 1939.

CLASS 7
Cordage

Ser. No. 425,315. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill. Filed Nov. 6, 1939.

Foodcraft

For Clothes Lines and Wrapping Twine.
Claims use since Sept. 1, 1935.

CLASS 11
Inks and Inking Materials

Ser. No. 417,939. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Apr. 6, 1939.



For Typewriter Ribbon and Carbon Paper.
Claims use since June 1, 1937.

Ser. No. 427,171. REMINGTON RAND INC., Buffalo, N. Y. Filed Jan. 5, 1940.

ARISTOCRAT

For Typewriter Ribbons.
Claims use since Mar. 21, 1932.

Ser. No. 427,291. AULT & WIBORG CARBON & RIBBON CO., INC., New York, N. Y. Filed Jan. 10, 1940.

ARISTOCRAT

For Typewriter Ribbons.
Claims use since Aug. 1, 1930.

CLASS 12
Construction Materials

Ser. No. 421,679. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed July 17, 1939.



"Quality Steel" and "Roofing" are disclaimed except as part of the mark shown.
For Metal Roofing, Composition Roofing, and Shingles.
Claims use since June 15, 1939.

Ser. No. 422,515. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Aug. 11, 1939. Under the act of February 20, 1905, as amended June 10, 1938.



For Lumber, Asphalt, Paving Blocks, Building Paper, Lime, Cement, Composition Flooring, Roofing Paper, Asbestos Shingles, Wood Shingles, Composition Siding, Metal Roofing, Doors and Frames, Windows, Sash and Frames, Wooden Shutters, Metal Shutters, Wood Lath,

Metal Lath, Building Brick, Fire Brick, Building Felt, Tarred Felt, Weatherstripping, Pipe Covering, Tile Pipe, Wall Tile, Insulating and Sound Proofing Paper, Metal Ceilings, Rock Wool Insulating, Storm Windows and Doors, and Wallboard.
Claims use since December, 1929.

CLASS 15

Oils and Greases

Ser. No. 426,462. PENNSYLVANIA PETROLEUM PRODUCTS CO., Philadelphia, Pa. Filed Dec. 11, 1939.

VIGILANT

For Lubricating Oils and Greases.
Claims use since December, 1938.

Ser. No. 426,559. COLUMBIA-BEDFORD CORPORATION, Long Island City, N. Y. Filed Dec. 14, 1939.

MOTO-THRIFT

For Motor Oils.
Claims use since July 18, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 426,272. SOCONY PAINT PRODUCTS COMPANY, New York, N. Y. Filed Dec. 5, 1939.

Shipmate

For Ready-Mixed Paints, Dry and Paste Paint Pigments, and Varnishes.
Claims use since June 28, 1939.

Ser. No. 426,786. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Dec. 20, 1939.

DECA-SENE

For Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Lacquers, Japans, Varnishes, Stains, Paint Fillers, Water Paints, Dry Paint Colors, Paint Pigments, Kalsomine.
Claims use since Oct. 15, 1939.

Ser. 426,870. SHELL CHEMICAL COMPANY, San Francisco, Calif. Filed Dec. 23, 1939.

NEOSOL

For Lacquer Thinner, Lacquer Solvent, Paint Thinner, and Paint Solvent.
Claims use since Nov. 13, 1939.

CLASS 17

Tobacco Products

Ser. No. 426,221. PENNSTATE CIGAR CORPORATION, Philadelphia, Pa. Filed Dec. 4, 1939.

ENVOY

For Cigars.
Claims use since Jan. 13, 1916.

Ser. No. 426,323. JOSEPH B. BACK, doing business as J. B. Back & Company, Brooklyn, N. Y. Filed Dec. 7, 1939.

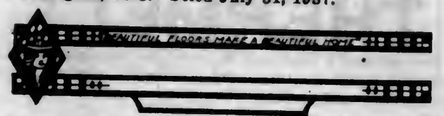
BALLET

For Cigars and Cigarettes.
Claims use since March, 1937.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 395,880. QUAKER CITY LINOLEUM COMPANY, Washington, D. C. Filed July 31, 1937.



No claim is made to the phrase "Beautiful Floors Make a Beautiful Home" apart from the mark.
For Linoleum and Felt-Base Floor Coverings in the Piece and in Ready-Cut Sections.
Claims use since Apr. 1, 1929.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 426,764. DICTAPHONE CORPORATION, Bridgeport, Conn. Filed Dec. 20, 1939.

ELECTRICORD

For Electrical Sound Recorders Forming Parts of Commercial Phonographs.
Claims use since Oct. 19, 1939.

Ser. No. 426,829. B. E. BEHNKE, doing business as Modern Diet Products Supply Co., Milwaukee, Wis. Filed Dec. 22, 1939.

CENTREX

For Electrically Driven Juice Extractor.
Claims use since Dec. 9, 1939.

Ser. No. 426,846. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 22, 1939.

EMBLEM

For Automobile Batteries.
Claims use since Sept. 24, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 421,001. MARY HASELL LAKOPOLANSKA, doing business as The American Doll, New York, N. Y. Filed June 27, 1939.

MADE IN U.S.A.	BETSEY ROSS
	DESIGN
	CREATED BY
	THE AMERICAN DOLL
	NEW YORK CITY

The words "Made in U. S. A.", "Design", "Created by", "The American Doll", "New York City" are disclaimed.
For Dolls and Doll Toys.
Claims use since Mar. 30, 1939.

Ser. No. 421,692. CLEF INC., Chicago, Ill. Filed July 18, 1939.

MUSICO

For Contest Game Devices Including Game Boards Having Horizontally and Vertically Arranged Spaces With Indicia of a Musical Score in Each Space.
Claims use since May 5, 1939.

Ser. No. 421,712. CARL W. PETERSON, Moline, Ill. Filed July 18, 1939.

WEBB WEATHER

Applicant disclaims the word "Webb" apart from the mark.
For Games Played with Tickets and Number Cards.
Claims use since July, 1924.

Ser. No. 422,281. GAY GAMES INCORPORATED, Muncie, Ind. Filed Aug. 4, 1939.

WHIRLING DERBY

For Games Wherein Individual Elements Bearing Concealed Legending Are Relatively Loosely Retained on a Support, Loosely Contained in a Jar, Vessel, or the Like, or Are Suitably Secured to a Card or Board, Respectively.
Claims use since July 15, 1939.

Ser. No. 424,538. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Oct. 14, 1939.

BLACKOUT GAME

Applicant disclaims the word "Game" apart from the mark.
For Board Game.
Claims use since Oct. 9, 1939.

Ser. No. 424,892. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 25, 1939.

POWER WEIGHTED

No claim is made to the word "Weighted" apart from the mark.
For Golf Clubs.
Claims use since Nov. 21, 1938.

Ser. No. 426,390. JOHN GORDON BAKER, doing business as Live Toys, Evansville, Wis. Filed Dec. 9, 1939.



The representation of the goods and the word "Toys" are disclaimed apart from the mark.
For Toy Animals.
Claims use since Aug. 17, 1939.

Ser. No. 426,391. JOHN GORDON BAKER, doing business as Live Toys, Evansville, Wis. Filed Dec. 9, 1939.

Su-panda

The word "Panda" is disclaimed apart from the mark
For Toy Animals.
Claims use since Aug. 17, 1939.

Ser. No. 427,147. WESLEY MITCHELL TODD, doing business as W. Mitchell Todd, Atlanta, Ga. Filed Jan. 4, 1940.



The facsimile signature is that of applicant.
For Game (Playing Cards).
Claims use since Jan. 3, 1940.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 424,007. INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J. Filed Sept. 28, 1939..

SHA-VE-ZEE

No claim is made to the word "Sha-Ve-Zee" apart from the mark.
For Razors and Razor Blades.
Claims use since Dec. 14, 1916.

Ser. No. 426,691. EMMONS LOOM HARNESS COMPANY, Lawrence, Mass., and Charlotte, N. C. Filed Dec. 18, 1939.

Flexbac

For Loom Reeds and Warp Combs.
Claims use since Oct. 28, 1938.

Ser. No. 426,791. STAINLESS RAZOR BLADE CORP., New York, N. Y. Filed Dec. 20, 1939.

Excalibur

For Razor Blades.
Claims use since Dec. 2, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 426,596. AGFA ANSCO CORPORATION, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Filed Dec. 15, 1939.

SPEEDEX

For Photographic Goods, Particularly Cameras and Films.
Claims use since October, 1913.

CLASS 27

Horological Instruments

Ser. No. 426,232. SLAVICK JEWELRY COMPANY, Los Angeles, Calif. Filed Dec. 4, 1939.

NEPTUNE

For Watches.
Claims use since Nov. 2, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 413,337. ELKINGTON & CO. LTD., Birmingham, England. Filed Dec. 1, 1938. Under 10-year proviso.

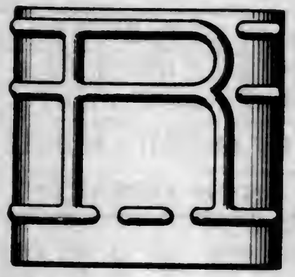
ELKINGTON

For Silver-Plated Hollow Ware, Table Ware, and Flat Ware.
Claims use since Mar. 28, 1876.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 425,901. RUBBERSET COMPANY, Newark, N. J. Filed Nov. 22, 1939.



For Paint Brushes.
Claims use since Nov. 17, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 426,620. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Dec. 15, 1939.

FILTOCOTT

For Gauze and/or Fibrous Units as Filtering Materials.
Claims use since June, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 425,815. THE SWEEPER-VAC COMPANY, Worcester, Mass. Filed Nov. 18, 1939.

GAYCHROME

For Tables, Chairs, Stools, Towel Racks, Book Racks, Fern Stands, and Umbrella Stands.
Claims use since June 24, 1938.

Ser. No. 426,532. KROLL BROTHERS COMPANY, Chicago, Ill. Filed Dec. 13, 1939.

Ajusta-Matic Spring

No claim is made to the word "Spring" apart from the mark.
For Bed Springs.
Claims use since Nov. 1, 1939.

Ser. No. 426,575. PHOTOCOLOR STUDIOS, INC., New York, N. Y. Filed Dec. 14, 1939.

SELL O FRAME

The word "Frame" is disclaimed apart from the mark.
For Display Unit for Pictures, Notices or the Like.
Claims use since Nov. 14, 1939.

CLASS 33

Glassware

Ser. No. 425,953. WALT DISNEY PRODUCTIONS, Hollywood, Calif. Filed Nov. 25, 1939. Under the act of February 20, 1905 as amended June 10, 1938.

PINOCCHIO

For Glass Tumblers, Glass Containers in the Shape of Tumblers, and Other Forms and Shapes of Drinking Glasses.
Claims use since Sept. 15, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 426,378. THE H. B. SMITH COMPANY, INCORPORATED, Westfield, Mass. Filed Dec. 8, 1939. Under 10-year proviso.

MILLS

For Domestic Heating Boilers.
Claims use since 1874.

Ser. No. 426,687. CENTRAL STATES MANUFACTURING & SALES CORP., Chicago, Ill. Filed Dec. 18, 1939.



MINUTEMAN

For Stokers.
Claims use since Nov. 18, 1939.

Ser. No. 426,713. SOUTHERN STEEL COMPANY, San Antonio, Tex. Filed Dec. 18, 1939.

HYDRO GAS

The word "Gas" apart from the mark shown is disclaimed.
For Apparatus for Dispensing Liquefied Petroleum Gas for Lighting, Heating, and Power Purposes Embodying a Pressure Storage Tank for Volatile Liquefied Gases, Such as Butane and Propane, and Associated Dispensing Appurtenances for Controlling and Delivering Gas from the Tank.
Claims use since May 1, 1935.

Ser. No. 426,749. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 19, 1939. Under section 5b, of the act of 1905 as amended in 1920.

Westinghouse

For Coal Furnaces and Boilers, Gas Furnaces and Boilers, Oil Furnaces and Boilers, Oil Burners for Furnaces and Humidifiers for Furnaces.
Claims use since August, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 425,985. CRANE PACKING COMPANY, Chicago, Ill. Filed Nov. 27, 1939.

EVERSEAL V PACKING

The words "Everseal Packing" are disclaimed apart from the mark.
For Flexible Packing of Leather, Duck, Asbestos, Rubber, Non-Metallic Washers, and Discs.
Claims use since Oct. 1, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 426,706. PERMO PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 18, 1939.

MICROSPECT

For Phonograph Needles.
Claims use since Nov. 16, 1939.

Ser. No. 426,900. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Dec. 26, 1939.

Rock-ola

For Phonographs.
Claims use since January, 1935.

CLASS 37

Paper and Stationery

Ser. No. 399,833. ARTHUR J. GRANT, doing business as Philus Stamp Company, Geneva, N. Y. Filed Nov. 17, 1937.

"PHILANEED"

For Postage Stamp Drier Device.
Claims use since October, 1937.

Ser. No. 413,789. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Dec. 13, 1938.

PHOTO FINISH

For Printing Paper.
Claims use since Aug. 26, 1938.

Ser. No. 414,796. "ORMIG" ORGANISATIONSMITTEL G. M. B. H., Berlin, Germany. Filed Jan. 13, 1939.

ORMIG

For Master Sheets for Use with Spirit Duplicators for the Production of Mirror-Script Originals, Copy Paper, and Copy Cardboard for Use in Spirit Duplicating from Masters or Mirror-Script Originals, and Paper and Cardboard Printed Forms.
Claims use since Nov. 15, 1929.

Ser. No. 417,436. BERMAT PRODUCTS CORP., New York, N. Y. Filed Mar. 24, 1939.

BERMAT

For Albums, Blotting Devices, Rubber and Metal Stamps, Blank Forms, Blotting Paper, Card Indexes, Cards and Forms for Indexes, Diaries, Loose Leaf Books, Ring Binders, and Filler Sheets for Same, Gummed Paper Tape, Labels, Note Books, Rulers (Ungraduated), Pads, Illuminated Paper Pads, Pencils, Pens, Fountain Pens, Sales Books, Tracing and Writing Paper, Drawing Paper, Pencil Holders, Pen Holders, Paper Clips, Card Signals, Hectographs, Box Files, Pencil Sharpeners, Duplicators, Portable Index and Filing Devices Made of Paper Material, Holders for Ink Bottles, and Paper-File Perforators, Stencils, Desk Sets, Erasers, Desk Calendars, Mechanical Writing Pads, Envelopes, Waxed Paper, Card Guides, Folders, Covers for Sheets, Rubber Bands, Sponge Cups, and Devices for Moistening Gummed Paper Strip Material.
Claims use since Feb. 10, 1939.

Ser. No. 421,462. PALMER-KLINGSOHR CORP., New York, N. Y., now by change of name to Palmer-Klingsohr & McWhood Corp. Filed July 11, 1939.

TALLYRING P-K

For Loose-Leaf Account Books, Copy Books, Journals, Ledgers, Memorandum Books, Note Books, Record Books, Scrap Books, and Other Similarly Blank Bound Books Used in Accounting, Bookkeeping, Copying, Noting, Recording, Reporting and Writing, and Loose-Leaf Binders and Binder Covers for the Same.
Claims use since Feb. 1, 1939.

Ser. No. 422,275. CROWN ZELLERBACH CORPORATION, doing business as Western Waxed Paper Company, Division of Crown Zellerbach Corporation, San Francisco, Calif., and Portland and North Portland, Oreg. Filed Aug. 4, 1939.



For Gummed Sealing Material—Particularly, Gummed Paper Tape.
Claims use since Apr. 30, 1937.

Ser. No. 422,940. MAJESTIC PAPER CORPORATION, New York, N. Y. Filed Aug. 24, 1939.

COOPERATIVE BOND

The word "Bond" is disclaimed apart from the mark.
For Writing and Typewriting Paper.
Claims use since Mar. 17, 1939.

Ser. No. 422,941. MAJESTIC PAPER CORPORATION, New York, N. Y. Filed Aug. 24, 1939.

FRATERNAL BOND

The word "Bond" is disclaimed apart from the mark.
For Writing and Typewriting Paper.
Claims use since Mar. 15, 1939.

Ser. No. 423,106. MAJESTIC PAPER CORPORATION, New York, N. Y. Filed Aug. 29, 1939.

UNITY ONION SKIN

The words "Onion Skin" are disclaimed apart from the mark.
For Writing and Typewriting Paper.
Claims use since Mar. 24, 1939.

Ser. No. 424,305. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Oct. 7, 1939.

BROTHERHOOD BOND

The word "Bond" is disclaimed apart from the mark.
For Writing and Typewriting Paper.
Claims use since Apr. 7, 1939.

Ser. No. 425,231. ASHTON B. COLLINS, Birmingham, Ala. Filed Nov. 4, 1939.

REDDY KILOWATT



For Paper for Writing and Printing Purposes.
Claims use since Oct. 19, 1939.

Ser. No. 425,896. MILLERS FALLS PAPER COMPANY, Millers Falls, Mass. Filed Nov. 22, 1939.

MILLERS FALLS EZERASE

No claim is made to the term "Millers Falls" apart from the mark.
For Paper—Namely, Rag Bonds, Ledgers, Onion Skins, and Sulphite Bonds.
Claims use since May 29, 1939.

Ser. No. 425,952. WALT DISNEY PRODUCTIONS, Hollywood, Calif. Filed Nov. 25, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

"Pinocchio"

For Writing Papers, Writing Pads, and Writing Tablets.
Claims use since Aug. 11, 1939.

Ser. No. 426,123. CROWN ZELLERBACH CORPORATION, doing business as Western Waxed Paper Company, Division of Crown Zellerbach Corporation, San Francisco, Calif., and Portland and North Portland, Oreg. Filed Dec. 1, 1939.

FLASH-TITE

For Gummed Sealing Material—Particularly, Gummed Paper Tape.
Claims use since Nov. 7, 1939.

Ser. No. 426,125. DIETERICH-POST CO., San Francisco, Calif. Filed Dec. 1, 1939.

NEGAFILM

For Brown Print Paper.
Claims use since Jan. 1, 1934.

Ser. No. 426,213. NEVA-CLOG PRODUCTS, INC., Bridgeport, Conn. Filed Dec. 4, 1939.

CLIMAX

For Stapling Machines, Particularly of the Plier and Desk Types, Staples for Use Therein, and Parts and Attachments Thereof.
Claims use since Oct. 16, 1939.

Ser. No. 426,461. PAPER SPECIALTY COMPANY, Wausau, Wis. Filed Dec. 11, 1939.



MOTHER HUBBARD'S

For Dusting Paper.
Claims use since Aug. 12, 1939.

CLASS 38

Prints and Publications

Ser. No. 371,233. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill. Filed Nov. 5, 1935.

FOOT COMFORT NEWS

For Publication Issued Quarterly Covering Knowledge of the Feet.
Claims use since March, 1934.

Ser. No. 425,803. NEW YORK STOCK EXCHANGE, New York, N. Y. Filed Nov. 18, 1939.

The Exchange
A MAGAZINE OF THE FINANCIAL COMMUNITY

No claim is made for the words "A Magazine of the Financial Community" apart from the mark.
For Magazine Published Monthly.
Claims use since Nov. 17, 1939.

Ser. No. 425,858. MILLINERY ASSOCIATES, INC., New York, N. Y. Filed Nov. 21, 1939.

HATS

The drawing is lined for red.
For Periodical.
Claims use since July, 1938.

Ser. No. 425,912. BUSINESS EXECUTIVE PUBLICATIONS, INC., Washington, D. C. Filed Nov. 24, 1939.

Business Regulation Digest

For Semi-Weekly Publication Covering Subject Matter Relating to the Regulation and Control of Business.
Claims use since Nov. 14, 1939.

Ser. No. 426,031. MACFADDEN PUBLICATIONS INC., New York, N. Y. Filed Nov. 28, 1939.

TRUE
PICTORIAL STORIES

For Magazine.
Claims use since Nov. 24, 1939.

Ser. No. 426,489. THE F-R. PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 12, 1939.

ONWARD & UPWARD WITH THE ARTS

For Magazine Column.
Claims use since Oct. 7, 1933.

Ser. No. 426,490. THE F-R. PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 12, 1939.

TEE AND GREEN

For Magazine Column.
Claims use since May 28, 1927.

Ser. No. 426,653. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Dec. 16, 1939.

MING FOO

For Cartoon Series.
Claims use since Mar. 17, 1935.

CLASS 39

Clothing

Ser. No. 415,318. I. C. ISAACS & COMPANY, INC., Baltimore, Md. Filed Jan. 27, 1939.

Over The Top  Ranger

For Breeches, Jodhpurs, Pants, Slacks, Jackets, and Riding Coats for Men, Women, and Children.
Claims use since Oct. 1, 1937.

Ser. No. 420,498. S. RAUH & COMPANY, New York, N. Y. Filed June 14, 1939.

TRIM LINE

For Spats.
Claims use since 1918.

Ser. No. 424,207. ROGERS-SHOE CO., Los Angeles, Calif. Filed Oct. 4, 1939.

Shelby Adams

For Shoes Made of Leather.
Claims use since Sept. 1, 1938.

Ser. No. 424,878. BLANCHE JOSEPHTHAL, doing business as TeenTown, Miami Beach, Fla. Filed Oct. 25, 1939.

TEEN TOWN

For Women's Dresses, Suits, Coats, Sweaters, and Skirts.
Claims use since Oct. 6, 1939.

Ser. No. 425,042. CARITY HOSIERY COMPANY, Philadelphia, Pa. Filed Oct. 30, 1939.

WEAR-RIGHT

No claim is made to the term "Wear-Right" and a representation of a stocking apart from the mark.
For Hosiery.
Claims use since September, 1938.

Ser. No. 425,216. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Nov. 4, 1939.

OWN A&S BRAND
THOR-O-PEDS

The word "Brand" is disclaimed.
For Boys', Girls', and Babies' Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Sept. 5, 1939.

Ser. No. 425,227. BEST & CO. INC., New York, N. Y. Filed Nov. 4, 1939.

Eskies Jr.

For Junior Misses' and Children's Apparel—Namely, Sleeping Garments (with and without Feet), Hats, Hoods, Scarfs, Gloves and Mittens Made of Leather, Fabric and a Combination of Leather and Fabric, Underwear, Snow Suits, Ski Suits, Jackets, Hooded Jackets, Bathrobes, and Sweaters of Knitted, Netted, or Textile Fabrics or Fur or Combinations Thereof, and Slippers, Boots, Shoes, and Overshoes Made of Fabric, Leather, Rubber, or Fur, or Combinations Thereof.
Claims use since Sept. 10, 1938.

Ser. No. 425,786. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Nov. 18, 1939.

Jantee-Pantee

The word "Pantee" is disclaimed apart from the mark.
For Swimming Suits and Girdles.
Claims use since Oct. 24, 1939.

Ser. No. 426,285. BONWIT TELLER, INC., New York, N. Y. Filed Dec. 6, 1939.

"HOT PINK"

Applicant disclaims the word "Pink" except as shown.
For Women's and Misses' Blouses, Sweaters, Dresses, Coats, Suits, Outer Skirts, Hats, Scarfs, Belts for Outer Wear, Handkerchiefs, Shoes Made of Leather, Fabric and Combinations Thereof, Hosiery, Gloves Made of Leather and Fabric, and Underwear, i. e., Slips, Petticoats, Brassières, Girdles, Corsets, Bloomers and Panties.
Claims use since Nov. 10, 1939.

Ser. No. 426,295. GIMBEL BROTHERS, INC., New York, N. Y. Filed Dec. 6, 1939.

'Teen Treasure

For Girls' Dresses, Coats, Skirts, Sweaters, Scarfs, Gloves Made of Leather, Fabric, Rubber, and Combinations Thereof, Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof, Hats and Caps, Underwear, Hosiery, and Jackets.
Claims use since Mar. 1, 1939.

Ser. No. 426,337. HUT NECKWEAR CO. INC., New York, N. Y. Filed Dec. 7, 1939.

Tie-Master

No claim is made to the word "Tie" apart from the mark.
For Neckties.
Claims use since Nov. 30, 1939.

Ser. No. 426,364. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed Dec. 8, 1939.

WRAP-TURE

No claim is made to the word "Wrap" apart from the mark.
For Corsets, Corselets, Girdles, and Combination Foundation Undergarments Comprising Combinations of Two or More of the Following: Brassière or Bandeau, Girdle, Corset, or Corselet and Skirt, Underdrawers or Bloomers.
Claims use since Nov. 24, 1939.

Ser. No. 426,457. MARINETTE KNITTING MILLS, Marinette, Wis. Filed Dec. 11, 1939.

ROYAL WORTH

For Wearing Apparel—Namely, Ladies' Dresses, Suits, and Frocks.
Claims use since Oct. 11, 1939.

Ser. No. 426,465. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill. Filed Dec. 11, 1939.

BROOK-HAVEN

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Nov. 27, 1939.

Ser. No. 426,625. MILKY WAY PRODUCTS COMPANY, Wilmington, Del. Filed Dec. 15, 1939.

MILKY WAY

For Rubber Baby Pants.
Claims use since June 21, 1939.

Ser. No. 426,634. VAN RAALTE COMPANY, INC., New York, N. Y. Filed Dec. 15, 1939.

Movietop

For Hosiery.
Claims use since Dec. 11, 1939.

Ser. No. 426,689. EAGLE CLOTHES, New York, N. Y. Filed Dec. 18, 1939.

EVER-BREEZE

For Men's and Boys' Overcoats, Topcoats, Suits, Trousers, Slacks, Sport-Jackets, Vests, and Mackinaws.
Claims use since Sept. 14, 1936.

Ser. No. 426,710. RHEA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Dec. 18, 1939.

Lawsonia

For Women's Dresses.
Claims use since Aug. 5, 1939.

Ser. No. 426,812. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo. Filed Dec. 21, 1939.

T.M.C.

For Men's Dress, Street, Sport, and Work Shoes Made of Leather, Rubber, and Combinations Thereof.
Claims use since May, 1918.

Ser. No. 426,849. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill. Filed Dec. 22, 1939.

WOW

For Work Gloves of Combined Leather and Fabric.
Claims use since Aug. 12, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 420,234. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed June 6, 1939.



No claim is made to the representation of the label per se.
For Textile Fabrics in the Piece—Namely, Silk Fabrics, Rayon Fabrics, Fabrics Consisting of a Mixture of Rayon and Silk, and Cotton, Woolen, or Linen Fabrics.
Claims use since Apr. 10, 1939.

Ser. No. 424,012. MCCAMPBELL & COMPANY, INC., New York, N. Y. Filed Sept. 28, 1939.

PARAY

For cotton, Silk, Rayon, Woolen Fabrics or Mixtures in the Piece.
Claims use since Aug. 21, 1939.

Ser. No. 424,139. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 2, 1939.

PENCALE

For Cotton Sheets and Pillow Cases.
Claims use since Sept. 14, 1939.

Ser. No. 425,855. GIMBEL BROTHERS, INC., New York, N. Y. Filed Nov. 21, 1939.

GRAMERCY

For Uncut Pile Fabrics Such as Cotton Terry Towels and Wash Cloths; Linen and Cotton Dish towels and Dish Cloths; Cotton, Wool and Part Wool Blankets; Auto Robes Made of Wool and Cotton; All Types of Comforters, Coverlets, Mattress Covers, Blanket Covers Made of Cotton, Mattress Protectors Made of Cotton.
Claims use since July 1, 1930.

Ser. No. 425,955. WALT DISNEY PRODUCTIONS, Hollywood, Calif. Filed Nov. 25, 1939. Under the act of Feb. 20, 1905, as amended June 10, 1938.

PINOCCHIO

For Piece Goods of Cotton, Silk, and Rayon and Combinations Thereof.
Claims use since Oct. 17, 1939.

Ser. No. 426,421. CHESTER L. THOMAS, doing business as Thomas Quilt Factories, Denver, Colo. Filed Dec. 9, 1939.



All notations are disclaimed except "Thomas".
For Quilts, Pads for Beds, Cots, Couches, Davenports, Cribs, Chairs, and Seats.
Claims use since June 2, 1938.

Ser. No. 426,830. COHN-HALL-MARX CO., New York, N. Y. Filed Dec. 22, 1939.

MELLOCHARM

For Cotton, Rayon, Acetate and/or Silk Piece Goods.
Claims use since Oct. 20, 1939.

Ser. No. 426,853. M. BINKOVITZ & SONS, INC., New York, N. Y. Filed Dec. 23, 1939.

SANOTICK

For Cotton Piece Goods.
Claims use since Dec. 18, 1939.

Ser. No. 426,856. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Dec. 23, 1939.

Ramosa

For Woolen Piece Goods.
Claims use since Dec. 8, 1939.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 421,672. WILLIAM B. ROSEVEAR, JR., Birmingham, Mich. Filed July 17, 1939.

TOOTHEX
--triangles

The word "Triangles" is disclaimed apart from the mark.
For Disposable Tooth Cloths and Dental Floss.
Claims use since June 1, 1939.

Ser. No. 422,956. FRANK MARTIN SMALDONE, Rochester, N. Y. Filed Aug. 24, 1939.

moonlines

For Masking Devices Used in the Application of Nail Preparations to the Finger Nails.
Claims use since Aug. 1, 1939.

Ser. No. 427,000. JACK AUSTILL, doing business as Austill Garment Company, Kansas City, Mo. Filed Dec. 30, 1939.

Fe-maid

For Sanitary Pad Supporting Garments.
Claims use since Dec. 13, 1939.

Ser. No. 427,283. HERBERT H. ILLCH, New York, N. Y. Filed Jan. 9, 1940.

HI-PEDER

For Device for Massaging the Foot.
Claims use since Nov. 6, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 424,040. GREEN & GREEN INC., Houston, Tex. Filed Sept. 29, 1939.

BOWL

For Non-Alcoholic, Maltless Beverages and Syrups and Concentrates for Making Same.
Claims use since Sept. 6, 1939.

Ser. No. 424,724. MONARCH MANUFACTURING COMPANY, Atlanta, Ga. Filed Oct. 20, 1939.

NUGGET

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since May 10, 1938.

Ser. No. 426,583. VANTI PA-PI-A CORPORATION, New York, N. Y. Filed Dec. 14, 1939.

Vanti

For Maltless Non-Alcoholic Carbonated Beverage, and Syrup for Use in Making the Same.
Claims use since Aug. 22, 1938.

Ser. No. 426,750. ZETZ 7UP BOTTLING COMPANY, INC., New Orleans, La. Filed Dec. 19, 1939.

ZETZ
ROCKET
"Lifts You Up"

For Carbonated Beverages Sold as Soft Drinks.
Claims use since Dec. 30, 1925.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 402,564. FINE FOODS, INC., Seattle, Wash. Filed Feb. 1, 1938.

STANDBY

The applicant is the owner of registrations Nos. 206,190, dated Nov. 24, 1925; 208,091, dated Jan. 19, 1926; and 353,451, dated Jan. 11, 1938.

For Fresh Deciduous Fruits, Canned Fruits, Canned Vegetables, Canned Sauerkraut, Canned Evaporated Milk, Canned Malt Syrup for Food Purposes, Canned Fruit Juices for Food Purposes, Canned Fruit Cocktail, Fresh Citrus Fruits, Canned Vegetable Juices for Food Purposes, Peanut Butter, Canned Fish, Rolled Oats, Canned Tomato Sauce and Tomato Catsup.

Claims use on fresh deciduous fruits since August, 1925; on canned fruits since June 2, 1925; on canned vegetables since June 2, 1925; on canned sauerkraut since Aug. 13, 1936; on canned evaporated milk since Sept. 30, 1935; on canned malt syrup for food purposes since March, 1933; on canned fruit juices for food purposes since Feb. 11, 1937; on canned fruit cocktail since Aug. 2, 1937; on fresh citrus fruits since Oct. 29, 1936; on canned vegetable juices for food purposes since Sept. 2, 1936; on peanut butter since May 1, 1937; on canned fish since Sept. 11, 1936; on rolled oats since May 21, 1937; on canned tomato sauce since Sept. 3, 1936; and on tomato catsup since Sept. 17, 1935.

Ser. No. 410,182. INDEPENDENT HALVAH & CANDIES, INC., Brooklyn, N. Y. Filed Sept. 1, 1938.

THE JOY of the PARTY — JOYVA — HALVAH at its BEST

The words "Halvah at its Best" are disclaimed.
For Food Known as Halvah for Human Consumption Comprising Sesame Seeds and Similar Ingredients.
Claims use since August 1, 1938.

Ser. No. 422,343. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif. Filed Aug. 5, 1939.

RANCHO

Applicant is the owner of trade-mark registration No. 136,981, dated Nov. 9, 1920, Warrensburg Canning Company.

For Canned Vegetable, Tomato, Pea, and Asparagus Soups.
Claims use since Mar. 7, 1939.

Ser. No. 423,935. TRIANGLE FOOD STORES, INC., Hagerstown, Md. Filed Sept. 25, 1939.

Tri-Maid

For Bread.
Claims use since September, 1937.

Ser. No. 424,259. DAINTY FOODS MANUFACTURERS, INC., doing business as Chix Company, Chicago, Ill. Filed Oct. 6, 1939.

Chix

For Soup Mix.
Claims use since Aug. 14, 1939.

Ser. No. 424,732. LIMPERT BROS., INC., Vineland, N. J., and New York, N. Y. Filed Oct. 20, 1939.

Gooby BALLS

The word "Balls" is disclaimed apart from the mark.
For Sugared Confection Consisting of Dates, Fruits, and Nuts.
Claims use since Sept. 22, 1939.

Ser. No. 424,832. THE CINCINNATI CAKE & SPECIALTY COMPANY, Cincinnati, Ohio. Filed Oct. 24, 1939.

FAV-O-RITE

For Crackers.
Claims use since Jan. 23, 1936.

Ser. No. 425,537. SOUTH PACIFIC CANNING CO., Long Beach, Calif., assignor to South Pacific Canning Company, Inc., Long Beach, Calif., a corporation of California. Filed Nov. 10, 1939.

SOUTH PACIFIC

For Canned Fish.
Claims use since Nov. 1, 1939.

Ser. No. 425,589. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Nov. 13, 1939.

STAVITE

For Soybean Flour.
Claims use since Oct. 6, 1939.

Ser. No. 425,695. BLUE LAKE PRODUCERS COOPERATIVE, Salem and West Salem, Oreg. Filed Nov. 16, 1939.

Oregon . . . MAIZLETS



No claim is made to the representation of the goods and the word "Oregon" apart from the mark.
For Canned Corn.
Claims use since Oct. 12, 1939.

Ser. No. 425,839. MINER, READ & TULLOCK INC., New Haven, Conn. Filed Nov. 20, 1939.

Sunrise
Parfait

The word "Parfait" is disclaimed apart from the mark.
For Canned Fruits and Canned Vegetables.
Claims use since September, 1934.

Ser. No. 426,277. THE TIMES-MIRROR COMPANY, doing business as Union Citrus Orchards, Brea, Calif. Filed Dec. 5, 1939.

76

For Fresh Citrus Fruits.
Claims use since Oct. 30, 1939.

Ser. No. 426,278. THE TIMES-MIRROR COMPANY, doing business as Union Citrus Orchards, Brea, Calif. Filed Dec. 5, 1939.

1492

For Fresh Citrus Fruits.
Claims use since Oct. 30, 1939.

Ser. No. 426,393. JOHN BEHRENS, Brooklyn, N. Y. Filed Dec. 9, 1939.

SANIPAK

For Sandwiches.
Claims use since Nov. 24, 1939.

Ser. No. 426,394. COAST FISHING COMPANY, Wilmington, Calif. Filed Dec. 9, 1939.



For Canned Cat Food.
Claims use since Sept. 23, 1934.

Ser. No. 426,395. COAST FISHING COMPANY, Wilmington, Calif. Filed Dec. 9, 1939.



No claim is made to the words "Cat Food."
For Canned Cat Food.
Claims use since Sept. 23, 1934.

Ser. No. 426,415. SOUTH PACIFIC CANNING CO., Long Beach, Calif., assignor to South Pacific Canning Company, Inc., Long Beach, Calif., a corporation of California. Filed Dec. 9, 1939.



No claim is made to the representation of the fish apart from the mark.
For Canned Fish.
Claims use since Sept. 29, 1939.

Ser. No. 426,425. NESSIM ALHADEFF, doing business as Whiz Fish Products Company, Seattle, Wash. Filed Dec. 11, 1939.

Ocean Glen

For Canned Fish.
Claims use since Oct. 10, 1939.

Ser. No. 426,426. NESSIM ALHADEFF, doing business as Whiz Fish Products Company, Seattle, Wash. Filed Dec. 11, 1939.

UNION LEADER

For Canned Fish.
Claims use since Oct. 11, 1939.

Ser. No. 426,479. CALIFORNIA OLIVE ASSOCIATION, San Francisco, Calif. Filed Dec. 12, 1939. Under the act of February 20, 1905, as amended June 10, 1938.



For Canned Olives.
Claims use since Nov. 28, 1939.

Ser. No. 426,659. MILLER & HOLLIS, INC., Boston, Mass. Filed Dec. 16, 1939.

Wistaria

For Chocolates.
Claims use since Dec. 8, 1939.

Ser. No. 426,696. GIAMPAOLI & MARCHINI CO., doing business as Giampaoli & Marchini, Le Grand, Calif. Filed Dec. 18, 1939.



No claim is made to the outline of a label apart from the mark.
For Fresh Vegetables—Namely, Fresh Tomatoes.
Claims use since June 1, 1929.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 421,369. CASTILLON & CO., Cognac, France. Filed July 8, 1939.

DEVINE

PRODUCE OF FRANCE
GRANDE FINE CHAMPAGNE
H. DEVINE & Co
COGNAC

No claim is made to the words "Devine", "Produce of France", "Grande Fine Champagne", "H. Devine & Co.", and "Cognac" apart from the mark.
For Cognac.
Claims use since Oct. 30, 1936.

Ser. No. 422,050. GIMBEL BROTHERS, INC., New York, N. Y. Filed July 28, 1939.



For Whiskey.
Claims use since June 20, 1939.

Ser. No. 426,077. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa. Filed Dec. 16, 1939. Under 10-year Proviso.



For Whiskey.
Claims use since 1860.

Ser. No. 427,327. AMERICAN SPIRITS, INC., New York, N. Y. Filed Jan. 11, 1940.

Beach-Comber

For Rum.
Claims use since Dec. 21, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 413,367. STANDARD WOODCRAFT, INC., doing business as Tinkr-Timbr, Paragould, Ark. Filed Dec. 1, 1938.

TINKR TIMBR

For Craftsman's Kits Consisting of Kits of Rough Material for Use in Making a Variety of Wood Projects, and Also Kits Containing Ready Cut Projects Such as Bird Houses, Wren Houses, and Lamp Bases, Silhouettes and Analogous Projects.
Claims use since September, 1937.

Ser. No. 426,032. SAMUEL MALLINGER COMPANY, Pittsburgh, Pa. Filed Nov. 28, 1939.

Harvest

For Caps for Glass Mason Jars.
Claims use since 1932.

Ser. No. 426,132. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Dec. 1, 1939.



No claim is made to the words "Best in Asbestos." apart from the mark.
For Asbestos Cloth.
Claims use since Oct. 1, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 20, 1940

375,370. POWDERED HAND CLEANER. H. KIRK WHITE & Co., Oconomowoc, Wis.
Filed November 12, 1936. Serial No. 385,459. PUBLISHED JANUARY 26, 1937. Class 4.

375,371. REFRIGERATORS. THE COOLERATOR COMPANY, Duluth, Minn.
Filed November 23, 1936. Serial No. 385,881. PUBLISHED JANUARY 12, 1937. Class 31.

375,372. INDEXED RECORDS, RECORD HOLDERS, AND BLANK AND PRINTED CARDS, SHEETS, AND FORMS AND PARTS THEREOF. REMINGTON RAND INC., Buffalo, N. Y.
Filed April 2, 1937. Serial No. 390,866. PUBLISHED JUNE 1, 1937. Class 37.

375,373. FRATERNITY REGALIA, CONSISTING OF FEZZES, UNIFORMS, COATS, HATS, TROUSERS, COSTUMES, CAPES, GLOVES, SHOULDER ROBES, SCARFS, BELTS, OUTER SHIRTS, NECKTIES, AND ROBES. SUPREME SANCTORUM ANCIENT MYSTIC ORDER OF SAMARITANS, INC., Niagara Falls, N. Y.
Filed July 27, 1937. Serial No. 395,688. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,374. HATS FOR MEN AND BOYS, AND SHOES OF LEATHER AND FABRIC AND COMBINATIONS OF LEATHER AND RUBBER AND FABRIC AND RUBBER. RODES-RAPIER CO., INC., Louisville, Ky.
Filed October 2, 1937. Serial No. 398,062. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,375. NATURAL MINERAL CLAY-PACK OF A MEDICINAL NATURE FOR ANIMALS. WILLIAM E. HUNGER, doing business as Sutton-Hunger Products Company, Los Angeles, Calif.
Filed November 2, 1937. Serial No. 399,235. PUBLISHED JANUARY 25, 1938. Class 6.

375,376. ELECTRIC IRONS. JOHN E. SMITH, doing business as J. E. Smith Laboratories, Plainfield, N. J.
Filed December 30, 1937. Serial No. 401,405. PUBLISHED OCTOBER 18, 1938. Class 21.

375,377. CHIPPED WHEAT BREAKFAST CEREALS, PUFFED WHEAT, RICE CEREALS, WHEAT FLOUR, AND HARD WHEAT FLOUR. BEAVER DAM MILLING CO., Collinston, Utah.
Filed January 3, 1938. Serial No. 401,466. PUBLISHED DECEMBER 12, 1939. Class 46.

375,378. TREATED AND POLISHED METAL STRIPS AND UNFINISHED OR PARTLY FINISHED MACHINERY CASTINGS, SUCH AS VALVE HOUSINGS. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla.
Filed May 31, 1938. Serial No. 406,932. PUBLISHED DECEMBER 12, 1939. Class 14.

375,379. SANDWICHES. CLIFFORD BAER, Calumet City, Ill.
Filed June 13, 1938. Serial No. 407,415. PUBLISHED DECEMBER 12, 1939. Class 46.

375,380. COLD CREAM. PHYSICIANS AND HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed June 16, 1938. Serial No. 407,557. PUBLISHED AUGUST 23, 1938. Class 6.

375,381. INSECT OR FLY SPRAY. KROM LABORATORIES, INC., Kingston, N. Y.
Filed August 11, 1938. Serial No. 409,473. PUBLISHED NOVEMBER 22, 1938. Class 6.

375,382. COMPOUNDS FOR TREATING MATERIALS. CONTINENTAL SALES CORPORATION, Minneapolis, Minn.
Filed July 30, 1938. Serial No. 409,084. PUBLISHED DECEMBER 5, 1939. Class 6.

375,383. RUM. BARCELO, MARQUES & COMPANY, doing business as Destileria Tropical, Arecibo and Camuy, P. R.
Filed August 22, 1938. Serial No. 409,833. PUBLISHED OCTOBER 18, 1938. Class 49.

375,384. POTATOES. WEYL-ZUCKERMAN & Co., Stockton, Calif.
Filed August 29, 1938. Serial No. 410,102. PUBLISHED DECEMBER 12, 1939. Class 46.

375,385. PEANUT BUTTER SANDWICHES. LANCE PACKING COMPANY, Charlotte, N. C., now by change of name to Lance, Inc.
Filed September 15, 1938. Serial No. 410,591. PUBLISHED DECEMBER 6, 1938. Class 46.

375,386. PREPARATION USED IN THE TREATMENT OF SEASICKNESS. MATTHEW B. MCBRIDE, doing business as Sea Caps Company, New York, N. Y.
Filed September 15, 1938. Serial No. 410,599. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,387. INSECTICIDE DEVICES IN THE NATURE OF AN ACCESSORY FOR AN AIR CIRCULATING MACHINE, SUCH AS A SUCTION CLEANER, AND WHICH IS ADAPTED TO CONTAIN A VOLATILE AGENT AND DIRECT THEREOVER VOLATILIZING AIR RECEIVED FROM THE MACHINE. THE HOOVER COMPANY, North Canton, Ohio.
Filed September 23, 1938. Serial No. 410,906. PUBLISHED DECEMBER 12, 1939. Class 23.

375,388. PRODUCTS INCREASING THE CALORIFIC POWER OF LIGNITES, CHARCOALS, COKE, PEAT COALS, FOR BINDERS FOR BRIQUETTING LIGNITES, CHARCOAL, COKE, AND FOR BRIQUETTES FOR LIGNITES, COAL, CHARCOAL, PEAT. G. P. LOURMAS & D. K. KYRIACOPOULO, Athens, Greece.
Filed September 26, 1938. Serial No. 411,001. PUBLISHED DECEMBER 12, 1939. Class 6.

375,389. RAW POPCORN. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed October 3, 1938. Serial No. 411,202. PUBLISHED NOVEMBER 22, 1938. Class 46.

375,390. CLOTHING FOR MEN AS FOLLOWS: UNDERWEAR OF WOVEN AND TEXTILE FABRICS—NAMELY, SHIRTS, DRAWERS, UNION SUITS, SHORTS AND SKI UNDERWEAR, PAJAMAS, ETC. THE B. V. D. CORPORATION, Baltimore, Md.
Filed November 30, 1938. Serial No. 413,294. PUBLISHED DECEMBER 12, 1939. Class 39.

375,391. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. UNITED DISTILLERS (OF AMERICA) LTD., Baltimore, Md.
Filed December 2, 1938. Serial No. 413,427. PUBLISHED JANUARY 24, 1939. Class 49.

375,392. ANTENNAS FOR RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 3, 1938. Serial No. 413,463. PUBLISHED DECEMBER 12, 1939. Class 21.

375,393. MEN'S SUITS AND OVERCOATS. PENDLE & RIVETT LIMITED, London, England.
Filed December 6, 1938. Serial No. 413,521. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,394. CHEMICAL PREPARATIONS FOR ENHANCING THE LIFE OF THE SHARP EDGE OF CUTTING INSTRUMENTS, PARTICULARLY RAZOR BLADES, SOLD WITH OR WITHOUT CONTAINERS FOR SUPPORTING SAID CUTTING INSTRUMENTS IN CONTACT WITH SAID PREPARATIONS. SHAVERETTE CO., Chicago, Ill.
Filed December 21, 1938. Serial No. 414,084. PUBLISHED DECEMBER 12, 1939. Class 6.

375,395. ANTENNAS FOR RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 31, 1938. Serial No. 414,418. PUBLISHED DECEMBER 12, 1939. Class 21.

375,396. METAL COATING PREPARATION. SMITH & GREGORY, Amarillo, Tex.
Filed January 26, 1939. Serial No. 415,268. PUBLISHED AUGUST 15, 1939. Class 6.

375,397. THERMOSTATICALLY-CONTROLLED ELECTRIC SWITCHES ESPECIALLY ADAPTED FOR CONTROLLING HEAT-GENERATING DEVICES SUCH AS OIL, GAS, AND SOLID-FUEL FURNACES. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg.
Filed January 27, 1939. Serial No. 415,294. PUBLISHED MAY 30, 1939. Class 26.

375,398. ANTENNAS FOR RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 31, 1938. Serial No. 414,419. PUBLISHED DECEMBER 12, 1939. Class 21.

375,399. BEER. BLOOM & KLEIN INC., Canton, Ohio.
Filed January 9, 1939. Serial No. 414,619. PUBLISHED MARCH 21, 1939. Class 48.

375,400. WAXED, OILED, IMPREGNATED, HEAT-SEALING, TRANSLUCENT, TRANSPARENT, WATERPROOF, MOISTUREPROOF OR AIRPROOF PAPER, ETC. KELLOGG COMPANY, Battle Creek, Mich.
Filed February 10, 1939. Serial No. 415,898. PUBLISHED DECEMBER 12, 1939. Class 37.

375,401. SHOES, PRINCIPALLY OF LEATHER. SPALSBURY-STEIS-DEEVERS SHOE COMPANY, Fredericktown and St. Louis, Mo.
Filed March 4, 1939. Serial No. 416,705. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,402. AUTOMOBILE HOT WATER HEATERS USING HOT FLUIDS FROM THE ENGINE. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 10, 1939. Serial No. 416,898. PUBLISHED MAY 16, 1939. Class 19.

375,403. TWO CHEMICAL POWDER COMPOUNDS WHICH, WHEN COMBINED, CAUSES REFRIGERATION. CANNED COLD CHEMICAL CORPORATION, New York, N. Y.
Filed March 13, 1939. Serial No. 416,995. PUBLISHED DECEMBER 5, 1939. Class 6.

375,404. YOGHURT CONTAINING FRUIT AND FRUIT FLAVORINGS. YOGFRUIT LIMITED, London, England.
Filed March 16, 1939. Serial No. 417,155. PUBLISHED DECEMBER 12, 1939. Class 46.

375,405. FOOD DISH FOR SMALL ANIMALS MADE OF A SYNTHETIC RESIN. STAFFORD SIEKERT, doing business as Stafford Siekert Co., Milwaukee, Wis.
Filed March 24, 1939. Serial No. 417,476. PUBLISHED DECEMBER 12, 1939. Class 2.

375,406. FABRIC DRIVING TAPES FOR THE SPINDLES OF SPINNING AND TWISTER FRAMES. ROGER W. CUTLER, Boston, Mass.
Filed April 1, 1939. Serial No. 417,748. PUBLISHED DECEMBER 12, 1939. Class 23.

375,407. LADIES' GLOVES. JULIUS KAYSER & Co., New York, N. Y.
Filed April 4, 1939. Serial No. 417,841. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,408. TYPEWRITER RIBBON AND CARBON PAPER. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed April 6, 1939. Serial No. 417,943. PUBLISHED DECEMBER 12, 1939. Class 11.

375,409. ETCHING PRESSES, ETCHING KITS, ETCHING PLATES, ETCHING POINTS. ETCHCRAFTERS OF AMERICA, INC., Baltimore, Md.
Filed April 21, 1939. Serial No. 418,516. PUBLISHED DECEMBER 12, 1939. Class 23.

375,410. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JAS. E. PEPPER & COMPANY, Lexington, Ky., and New York, N. Y.
Filed April 21, 1939. Serial No. 418,531. PUBLISHED DECEMBER 12, 1939. Class 49.

375,411. WOMEN'S AND MISSES' SWEATERS, NIGHTGOWNS, GLOVES OF LEATHER AND FABRIC, HATS, BATHING SUITS, SWEAT SHIRTS, HOSIERY, AND BELTS FOR OUTERWEAR. CAVENDISH TRADING CORP., New York, N. Y.
Filed April 22, 1939. Serial No. 418,563. PUBLISHED OCTOBER 31, 1939. Class 39.

375,412. LIPSTICKS. CLARK-MILLNER CO., Chicago, Ill.
Filed May 2, 1939. Serial No. 418,968. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,413. TANNING EXTRACTS AND SUBSTANCES. CAMPOS Y QUEBRACHALES PUERTO SASTRE S. A., Buenos Aires, Argentina.
Filed May 4, 1939. Serial No. 419,072. PUBLISHED DECEMBER 12, 1939. Class 6.

375,414. ORGANIC CALCIUM AND VITAMIN CONCENTRATE FOR ORAL ADMINISTRATION. RALPH I. GUY, doing business as the Rig Company, Glendale, Calif.
Filed May 8, 1939. Serial No. 419,190. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,415. LEATHER GLOVES. LEONARD DIAMOND, doing business as Diamond Glove Co., New York, N. Y.
Filed May 12, 1939. Serial No. 419,334. PUBLISHED DECEMBER 12, 1939. Class 39.

375,416. SACCHARIN AND SACCHARATES IN TABLET FORM. EMANUEL MANO MARKOVITS, doing business as Saccharinefabriek "Hollandia", Rotterdam, Netherlands.
Filed May 23, 1939. Serial No. 419,727. PUBLISHED JULY 18, 1939. Class 6.

375,417. FLORISTS' SUPPLIES—NAMELY, CERAMIC FLOWER AND PLANT POTS, VASES, JARDINIERES, AND BOWLS. U. S. MERCHANDISE CORPORATION, Baltimore, Md.
Filed May 23, 1939. Serial No. 419,740. PUBLISHED DECEMBER 12, 1939. Class 30.

375,418. MEAT SCRAP FOR POULTRY AND BONE MEAL FOR HOGS, DOGS, AND POULTRY. MAURER MANUFACTURING COMPANY, Newark, N. J.
Filed May 22, 1939. Serial No. 419,742. PUBLISHED DECEMBER 12, 1939. Class 46.

375,419. OLIVES. LA MANNA, AZEMA & FARNAN, INC., New York, N. Y.
Filed May 31, 1939. Serial No. 420,010. PUBLISHED DECEMBER 12, 1939. Class 46.

375,420. MEDICATED CONFECTIONS TO BE USED AS A BREATH DEODORANT. BAYMAX SYNDICATE, Buffalo, N. Y.
Filed June 2, 1939. Serial No. 420,083. PUBLISHED JULY 18, 1939. Class 6.

375,421. EGGS. MONARK EGG CORPORATION, Kansas City, Mo.
Filed June 7, 1939. Serial No. 420,257. PUBLISHED DECEMBER 12, 1939. Class 46.

375,422. LADIES' AND MEN'S FULL LEATHER DRESS GLOVES. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed June 16, 1939. Serial No. 420,591. PUBLISHED OCTOBER 3, 1939. Class 39.

375,423. SERIES OF VIALS OF NARCOTIC, VITAMIN AND HORMONE PREPARATIONS IN STERILE SOLUTION FOR PARENTERAL USE. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 19, 1939. Serial No. 420,686. PUBLISHED DECEMBER 5, 1939. Class 6.

375,424. CARAMEL-COATED POPCORN. CONFECTIONS, INC., Chicago, Ill.
Filed June 20, 1939. Serial No. 420,713. PUBLISHED SEPTEMBER 26, 1939. Class 46.

375,425. MEAT SUBSTITUTE COMPOSED OF CEREAL AND FLAVORING. LOMA LINDA FOOD COMPANY, Arlington, Calif.
Filed June 26, 1939. Serial No. 420,959. PUBLISHED SEPTEMBER 12, 1939. Class 46.

375,426. CREAM FOR THE HUMAN SKIN. MARGARET BRAINARD, INC., New York, N. Y.
Filed June 28, 1939. Serial No. 421,024. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,427. CANNED PROTEIN FOOD, USED AS A SUBSTITUTE FOR MEAT, MADE FROM GLUTEN AND SOY BEANS. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed June 28, 1939. Serial No. 421,055. PUBLISHED AUGUST 29, 1939. Class 46.

375,428. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,075. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,429. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,076. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,430. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,077. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,431. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,078. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,432. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,079. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,433. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,080. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,434. ODORIFEROUS AND AROMATIC CHEMICALS USEFUL IN THE PRODUCTION OF PERFUMES AND FLAVORING EXTRACTS. GENERAL DRUG COMPANY, New York, N. Y.
Filed June 29, 1939. Serial No. 421,081. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,435. COPPER FUNGICIDE. TENNESSEE COPPER COMPANY, Copperhill, Tenn.
Filed July 1, 1939. Serial No. 421,212. PUBLISHED DECEMBER 5, 1939. Class 6.

375,436. WAVE SOLUTION, RUBBING ALCOHOL, SULPHUR, BAY RUM, BRILLIANTINE, CAMPHOR, HAND LOTION, GLYCERINE, PETROLEUM JELLY, OIL FOR HAIR, SENNA LEAF, SHAMPOO, FLY SPRAY, AND LOTION FOR HAIR. PAUL H. LEHMANN, doing business as L & L Wholesale Company, Dallas, Tex.
Filed July 3, 1939. Serial No. 421,244. PUBLISHED DECEMBER 12, 1939. Class 6.

375,437. ICE CREAM, SHERBETS, ICES. MAYFLOWER ICE CREAM COMPANY, INC., Fisherville, Mass.
Filed July 6, 1939. Serial No. 421,313. PUBLISHED DECEMBER 12, 1939. Class 46.

375,438. CHEMICAL WATER SOFTENER AND FOAMING AGENT. THE TRIPP CORPORATION, New York, N. Y.
Filed July 10, 1939. Serial No. 421,442. PUBLISHED DECEMBER 12, 1939. Class 6.

375,439. MEN'S, WOMEN'S, AND CHILDREN'S APPAREL BELTS. BROOKLYN BELT COMPANY, Brooklyn, N. Y.
Filed July 14, 1939. Serial No. 421,562. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,440. CREAM FOR THE HUMAN SKIN. MARGARET BRAINARD, INC., New York, N. Y.
Filed July 15, 1939. Serial No. 421,596. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,441. LIQUID GAS FUEL USED IN GAS MACHINE UNITS. LANG & RODKEY, Warren, Ohio.
Filed July 17, 1939. Serial No. 421,661. PUBLISHED DECEMBER 5, 1939. Class 6.

375,442. BREAST FORMS. THE H. A. AUSTIN COMPANY, INCORPORATED, Worcester, Mass.
Filed July 22, 1939. Serial No. 421,837. PUBLISHED NOVEMBER 14, 1939. Class 40.

375,443. CERTAIN PREPARATIONS—NAMELY, (1) A PREPARATION FOR USE IN THE TREATMENT OF VITAMIN B DEFICIENCIES; (2) A PREPARATION FOR USE IN THE TREATMENT OF IRON DEFICIENCY (HYPOCHROMIC) ANEMIAS; ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1939. Serial No. 421,894. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,444. (1) A PREPARATION FOR USE IN THE TREATMENT OF VARIOUS TYPES OF BILIARY DISTURBANCES AND (2) A PREPARATION FOR USE IN ORAL TREATMENT OF ESTROGENIC DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1939. Serial No. 421,895. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,445. PREPARATION FOR USE IN THE TREATMENT OF CERTAIN CASES OF EPILEPSY. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1939. Serial No. 421,896. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,446. PREPARATION FOR USE IN THE TREATMENT OF VARIOUS CONDITIONS OF PAIN AND DISCOMFORT ASSOCIATED WITH NERVOUSNESS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1939. Serial No. 421,897. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,447. PREPARATION FOR USE IN THE TREATMENT OF VARIOUS CONDITIONS OF PAIN AND DISCOMFORT ASSOCIATED WITH NERVOUSNESS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1939. Serial No. 421,898. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,448. PREPARATION FOR USE IN ORAL TREATMENT OF ESTROGENIC DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 24, 1939. Serial No. 421,899. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,449. THROAT LUBRICANT. JOSEPH B. COSTELLO, doing business as Red Lite Remedy Co., Chicago, Ill.
Filed July 28, 1939. Serial No. 422,041. PUBLISHED DECEMBER 5, 1939. Class 6.

375,450. BOYS' JACKETS AND BOYS' COATS. HENRY NIEBERG, New York, N. Y.
Filed July 29, 1939. Serial No. 422,102. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,451. WAFFLE SYRUP. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed July 31, 1939. Serial No. 422,126. PUBLISHED DECEMBER 12, 1939. Class 46.

375,452. LADIES' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF SUCH MATERIALS. EDISON BROS. STORES, INC., St. Louis, Mo.
Filed August 2, 1939. Serial No. 422,202. PUBLISHED OCTOBER 31, 1939. Class 39.

375,453. ELECTRIC DIRECT-INDIRECT MIRROR LIGHTING UNITS. GRAND RAPIDS STORE EQUIPMENT COMPANY, Grand Rapids, Mich.
Filed August 2, 1939. Serial No. 422,207. PUBLISHED DECEMBER 12, 1939. Class 21.

375,454. PERFUME. SATISH C. GHOSE, doing business as Special Purpose Perfume Company, Chicago, Ill.
Filed August 3, 1939. Serial No. 422,245. PUBLISHED DECEMBER 5, 1939. Class 6.

375,455. BABY PANTS AND DIAPER COVERS. INTERNATIONAL LATEX CORPORATION, Dover, Del.
Filed August 3, 1939. Serial No. 422,249. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,456. WOMEN'S AND MISSES' BRASSIÈRES, CORSETS, AND UNDERWEAR. BLACKTON-FIFTH AVENUE, LTD., New York, N. Y.
Filed August 4, 1939. Serial No. 422,270. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,457. FRESH VEGETABLES—NAMELY, ASPARAGUS. WM. C. FERGUSON & Co., Stockton, Calif.
Filed August 4, 1939. Serial No. 422,278. PUBLISHED DECEMBER 12, 1939. Class 46.

375,458. GLASS TUBING FOR ELECTRICALLY CONDUCTIVE GASES. GENERAL SCIENTIFIC CORPORATION, Chicago, Ill.
Filed August 5, 1939. Serial No. 422,323. PUBLISHED DECEMBER 12, 1939. Class 33.

375,459. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. KRISCHER ROGERS & FISCHER, Philadelphia, Pa.
Filed August 7, 1939. Serial No. 422,365. PUBLISHED OCTOBER 31, 1939. Class 39.

375,460. WOMEN'S OUTER GARMENTS—NAMELY, DRESSES, CLOTH COATS, FUR COATS, SUITS, AND WOMEN'S HATS. JOHN T. SHAYNE & Co., Chicago, Ill.
Filed August 7, 1939. Serial No. 422,381. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,461. PERFUMES, FACE POWDERS, CREAMS FOR THE SKIN, LOTIONS FOR THE SKIN AND HAIR, EXTRACTS FROM PERFUMES (CONCENTRATED PERFUMES), COLORING MATTERS USED TO TINT THE FACE, AND DENTIFRICES. JACINTO MARTINEZ PANDO, Mexico, D. F., Mexico.
Filed August 8, 1939. Serial No. 422,408. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,462. BAGS MADE FROM BURLAP, COTTON, OR KRAFT PAPER. M. J. NEAHR & COMPANY, Chicago, Ill.
Filed August 10, 1939. Serial No. 422,482. PUBLISHED DECEMBER 12, 1939. Class 2.

375,463. SHOES MANUFACTURED FROM LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS. IDEAL SHOE CO., Philadelphia, Pa.
Filed August 15, 1939. Serial No. 422,628. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,464. TOOTH PASTE. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa.
Filed August 15, 1939. Serial No. 422,645. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,465. PRODUCTS FOR IMPROVING THE COMBUSTION OF FUELS AND THE ELIMINATION OR THE REDUCTION OF WASTE PRODUCTS, SOOT, SMOKE, AND OBNOXIOUS ODORS. TRIPLE E PRODUCTS, INC., New York, N. Y.
Filed August 17, 1939. Serial No. 422,721. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,466. OLIVE COLORED TABLETS FOR USE AS A LAXATIVE. THE OLIVE TABLET COMPANY, Columbus, Ohio.
Filed August 18, 1939. Serial No. 422,756. PUBLISHED DECEMBER 12, 1939. Class 6.

375,467. CHOCOLATE-COATED COMPRESSED MEDICINAL TABLETS FOR USE AS LAXATIVES, EVACUANTS, AND CATHARTICS. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa.
Filed August 17, 1939. Serial No. 422,763. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,468. SUGAR-COATED WHITE COMPRESSED MEDICINAL TABLETS USED AS AN ALTERATIVE, RECONSTRUCTIVE, AND ANTI-ASTHMATIC. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa.
Filed August 17, 1939. Serial No. 422,764. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,469. PROPHYLACTIC ANTISEPTIC THROAT TABLETS. ROBERT C. WHITE, Falls of Schuylkill, Philadelphia, Pa.
Filed August 17, 1939. Serial No. 422,766. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,470. LADIES' POCKETBOOKS, PURSES, AND HANDBAGS. WM. WILDER CO., INC., New York, N. Y.
Filed August 19, 1939. Serial No. 422,792. PUBLISHED DECEMBER 12, 1939. Class 3.

375,471. NOSE DROPS. CHARLES A. EMERSON, Dallas, Tex.
Filed August 21, 1939. Serial No. 422,813. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,472. FRANKFURTERS. ADOLF GOBEL, INC., Brooklyn, N. Y.
Filed August 21, 1939. Serial No. 422,818. PUBLISHED DECEMBER 12, 1939. Class 46.

375,473. HANDKERCHIEFS. HUDSON HANDKERCHIEF CO., INC., Newark, N. J.
Filed August 21, 1939. Serial No. 422,819. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,474. LADIES' SHOES MADE OF LEATHER FABRIC, AND COMBINATIONS OF THESE MATERIALS. PINCUS & TOBIAS, INC., New York, N. Y.
Filed August 22, 1939. Serial No. 422,864. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,475. SHOES MADE CHIEFLY OF LEATHER, AND ALSO MADE OF RUBBER OR FABRIC, AND OF COMBINATIONS OF SAID MATERIALS. BURTON H. TERHUNE, Maplewood, N. J.
Filed August 23, 1939. Serial No. 422,880. PUBLISHED NOVEMBER 7, 1939. Class 39.

375,476. ALPHACHLOR NAPHTHALINE, ALUMINUM CHLORIDE, AMMONIUM BENZOATE, ARSENIC TRICHLORIDE, ETC. HOOKER ELECTROCHEMICAL COMPANY, Niagara Falls, N. Y.
Filed August 24, 1939. Serial No. 422,974. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,477. FOUNDATION GARMENTS IN THE NATURE OF CORSETS AND GIRDLES, GARTER BELTS, BRASSIÈRES WITH DRESS SHIELDS ATTACHED, UNDERGARMENTS IN THE NATURE OF A PANTIE, BATHING CAPS AND SHOWER CAPS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed August 25, 1939. Serial No. 423,000. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,478. ALKALINE PRODUCT FOR DE-SULPHURIZING FERROUS METAL. MICHIGAN ALKALI COMPANY, Wyandotte, Mich.
Filed August 25, 1939. Serial No. 423,003. PUBLISHED DECEMBER 5, 1939. Class 6.

375,479. ELECTRICAL METERS—NAMELY, VOLTMETERS, AMMETERS, OHMMETERS, GALVANOMETERS, VACUUM TUBE VOLTMETERS, MILLIAMMETERS, VOLT-OHM-MILLIAMMETERS, VACUUM TUBE TESTERS, AND OVERALL RADIO CIRCUIT TESTERS. THE TRIPLETT ELECTRICAL INSTRUMENT COMPANY, Bluffton, Ohio.
Filed August 25, 1939. Serial No. 423,015. PUBLISHED DECEMBER 12, 1939. Class 26.

375,480. MACHINES FOR CUTTING AND WELDING METAL BY MEANS OF GASES. AIR REDUCTION SALES COMPANY, New York, N. Y.
Filed August 26, 1939. Serial No. 423,021. PUBLISHED DECEMBER 12, 1939. Class 34.

375,481. COMPOUND FOR THE TREATMENT OF DISEASES OF THE MOUTH, GUMS, AND TEETH. LAURENZ HARRIS, Chicago, Ill.
Filed August 28, 1939. Serial No. 423,057. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,482. SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. BARNETT COHEN, INC., New York, N. Y.
Filed August 29, 1939. Serial No. 423,085. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,483. HAIR DRESSING. ROSA OVERTON SAWYER, South Norfolk, Va.
Filed August 29, 1939. Serial No. 423,116. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,484. MEN'S UNDERWEAR, OUTER SHIRTS, UNDERSHIRTS, AND JACKETS, HOSIERY, BELTS IN THE NATURE OF GARMENT SUPPORTERS, ETC. JOHNSON & BALLIET, Pittsburgh, Pa.
Filed August 30, 1939. Serial No. 423,137. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,485. PREPARATION FOR THE TREATMENT OF INTESTINAL STRONGYLOSIS IN HORSES (INFESTATION BY STRONGYLUS VULGARIS, EDENTATUS, AND EQUINUS, ALSO BY SPECIES OF TRICHONEMA AND TRIODONTOPHORUS). WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed August 30, 1939. Serial No. 423,148. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,486. ANTISEPTIC AND GERMICIDE HAVING INCIDENTAL CLEANSING AND BLEACHING PROPERTIES. REYNOLDS WHELAN, Sharpsville, Pa.
Filed August 31, 1939. Serial No. 423,189. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,487. COD LIVER OIL. WHITE LABORATORIES, INC., Newark, N. J.
Filed August 31, 1939. Serial No. 423,190. PUBLISHED DECEMBER 5, 1939. Class 6.

375,488. BLEACHING AND DEODORIZING PREPARATION HAVING INCIDENTAL CLEANING PROPERTIES. JAMESEN CHEMICAL CORP., Brooklyn, N. Y.
Filed September 1, 1939. Serial No. 423,214. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,489. MOUTH WASH. SAMUEL RUBIN, New York, N. Y.
Filed September 1, 1939. Serial No. 423,233. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,490. ASTRINGENT, BRILLIANTINE, HAIR OIL, AND LOTIONS INDICATED FOR USE AS BEAUTY, COSMETIC, AND TOILET PREPARATIONS. TAYTON COMPANY, Kansas City, Mo.
Filed September 1, 1939. Serial No. 423,240. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,491. COMPACTS, CREAMS, POWDERS, AND ROUGES INDICATED FOR USE AS BEAUTY, COSMETIC, AND TOILET PREPARATIONS. TAYTON COMPANY, Kansas City, Mo.
Filed September 1, 1939. Serial No. 423,241. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,492. COMPACTS, CREAMS, FACIAL PACKS, LIPSTICKS, MASKS, POWDERS, AND ROUGES INDICATED FOR USE AS BEAUTY, COSMETIC, AND TOILET PREPARATIONS. TAYTON COMPANY, Kansas City, Mo.
Filed September 1, 1939. Serial No. 423,242. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,493. BRACES, GARTERS, AND APPAREL BELTS. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed September 2, 1939. Serial No. 423,266. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,494. TONIC CONTAINING IRON. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed September 5, 1939. Serial No. 423,309. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,495. CHEMICAL PREPARATION FOR ELIMINATING SOOT AND CARBON SCALES FROM FURNACES, STOVE PIPES, AND THE LIKE. FRANK E. POSEY, doing business as Soot-Eater Mfg. Co., Hamtramck, Mich.
Filed September 6, 1939. Serial No. 423,339. PUBLISHED DECEMBER 12, 1939. Class 6.

375,496. OINTMENT FOR HEALING DISEASES OF THE SKIN. EDGAR B. CLARK AND COSTAS VENETIS, Philadelphia, Pa.
Filed September 7, 1939. Serial No. 423,370. PUBLISHED DECEMBER 12, 1939. Class 6.

375,497. CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF SAID MATERIALS. ETTELBRICK SHOE COMPANY, Greenup, Ill.
Filed September 7, 1939. Serial No. 423,375. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,498. ELECTRIC SIGNS. WRAY P. WHITE, Natick, Mass.
Filed September 7, 1939. Serial No. 423,393. PUBLISHED DECEMBER 12, 1939. Class 21.

375,499. WRIST WATCH STRAPS MADE OF LEATHER OR FABRIC. COWEN BROS., New York, N. Y.
Filed September 8, 1939. Serial No. 423,412. PUBLISHED DECEMBER 12, 1939. Class 40.

375,500. MEDICINAL HERB TEA FOR KIDNEY AND BLADDER DISORDERS. ANDREW OSBORN, doing business as Union Products Company, Detroit, Mich.
Filed September 8, 1939. Serial No. 423,436. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,501. TALCUM POWDER, TALC, BODY TALC, BATH DUSTING POWDER, FACE POWDER, DEODORANT POWDER, AND AFTER-SHAVE TALCUM POWDER. GABRIELLE SORINO, New York, N. Y., assignor to Quesor, Inc.
Filed September 8, 1939. Serial No. 423,443. PUBLISHED DECEMBER 5, 1939. Class 6.

375,502. SOAPS, CLEANING COMPOUNDS, AND METAL POLISHES—NAMELY, A BRASS POLISH, A CHROMIUM POLISH, LIQUID AND SEMILIQUID SOAP; A DETERGENT CLEANING COMPOUND FOR PAINT, CANVAS, AND ENAMEL; AND A COMPOUND FOR CLEANING AND SWEETENING THE BILGES OF BOATS. GAGO CHEMICAL COMPANY, Miami, Fla.
Filed September 9, 1939. Serial No. 423,461. PUBLISHED DECEMBER 12, 1939. Class 4.

375,503. MOTH CRYSTALS. D. BLUM & CO., INC., New York, N. Y.
Filed September 11, 1939. Serial No. 423,488. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,504. LEATHER GLOVES. HANSEN GLOVE CORPORATION, Milwaukee, Wis.
Filed September 11, 1939. Serial No. 423,497. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,505. MEN'S SUITS, OVERCOATS, TOPCOATS, HATS, AND SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. LONG ISLAND OUTFITTING CO., INC., Brooklyn, N. Y.
Filed September 11, 1939. Serial No. 423,503. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,506. FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH BERRIES, FRESH GRAPES, WATERMELONS, CANTALOUPES, CASABA MELONS, HONEYDEW MELONS, PINEAPPLES, CANNED FRUITS, CANNED FRUIT JUICES, FRESH FIGS AND DATES, AND FRESH VEGETABLES. AMERICAN FRUIT GROWERS INCORPORATED, Wilmington, Del., and Pittsburgh, Pa.
Filed September 12, 1939. Serial No. 423,519. PUBLISHED DECEMBER 12, 1939. Class 46.

375,507. EMULSIFYING AND SCOURING SOLVENT FOR CLEANING, DESLUDGING, AND DECARBONIZING THE INSIDE OF GASOLINE OR DIESEL ENGINES. THE CURRAN CORPORATION, Malden, Mass.
Filed September 12, 1939. Serial No. 423,522. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,508. PREPARATIONS FOR USE AS ANTISEPTICS, FOR USE AS VASO-CONSTRICTORS, AND FOR USE FOR NASAL DECONGESTION, OR FOR ANY COMBINATIONS OF SUCH USES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed September 13, 1939. Serial No. 423,575. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,509. LATHES. THE AMERICAN TOOL WORKS COMPANY, Cincinnati, Ohio.
Filed September 14, 1939. Serial No. 423,589. PUBLISHED DECEMBER 12, 1939. Class 23.

375,510. ACCESSORIES—NAMELY, LADIES' HANDBAGS, SMALL POCKETBOOKS, PURSES. MORRIS, MANN & REILLY INCORPORATED, Chicago, Ill.
Filed September 14, 1939. Serial No. 423,605. PUBLISHED NOVEMBER 21, 1939. Class 3.

375,511. ELECTRICAL APPARATUS—NAMELY, X-RAY TUBES, X-RAY APPARATUS AND SUPPLIES. C. H. F. MULLER AKTIENGESELLSCHAFT, Berlin, Germany.
Filed September 14, 1939. Serial No. 423,606. PUBLISHED DECEMBER 12, 1939. Class 26.

375,512. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. MUSEBECK SHOE COMPANY, Danville, Ill.
Filed September 14, 1939. Serial No. 423,607. PUBLISHED NOVEMBER 14, 1939. Class 39.

375,513. NATURAL FLOWERS AND FLORAL DECORATIONS. FREDERICK R. BARNARD, Kew Gardens, N. Y.
Filed September 15, 1939. Serial No. 423,623. PUBLISHED DECEMBER 12, 1939. Class 1.

375,514. FRESH FROZEN SHRIMP. JOE GRASSO & SON, Galveston, Tex.
Filed September 15, 1939. Serial No. 423,630. PUBLISHED DECEMBER 12, 1939. Class 46.

375,515. LADIES' HANDBAGS. MEYERS MANUFACTURING CO., New York, N. Y.
Filed September 16, 1939. Serial No. 423,672. PUBLISHED NOVEMBER 21, 1939. Class 3.

375,516. SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC ELASTIC, AND COMBINATIONS THEREOF; SPATS; HOSIERY; AND CUT OUT SHOE PARTS—NAMELY, HEELS, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS. MILES SHOES, INC., New York, N. Y.
Filed September 16, 1939. Serial No. 423,673. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,517. MEDICINAL PREPARATION TO BE TAKEN INTERNALLY IN THE TREATMENT OF ASTHMA. WILLIAM B. PARR, JR., doing business as William Parr Drug Co., Tampa, Fla.
Filed September 16, 1939. Serial No. 423,675. PUBLISHED DECEMBER 12, 1939. Class 6.

375,518. AFTER SHAVING LOTION, DEODORANT, TALCUM POWDER, AND TOILET WATER. ALFRED D. MCKELVY, doing business as Alfred D. McKelvy Company, Minneapolis, Minn.
Filed September 18, 1939. Serial No. 423,705. PUBLISHED DECEMBER 12, 1939. Class 6.

375,519. MEAT CURING SALTS AND MEAT CURING LIQUIDS. THE PRESERVALINE MANUFACTURING CO., Brooklyn, N. Y.
Filed September 19, 1939. Serial No. 423,739. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,520. LEATHER KEY CASES, PURSES, BILLFOLDS, AND POCKET-BOOKS. BUXTON, INCORPORATED, Springfield, Mass.
Filed September 20, 1939. Serial No. 423,754. PUBLISHED NOVEMBER 21, 1939. Class 3.

375,521. SWEAT BANDS MADE OF LEATHER FOR HATS. DRUEDING BROTHERS COMPANY, Philadelphia, Pa.
Filed September 20, 1939. Serial No. 423,756. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,522. DEODORANT FOR MEN. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed September 20, 1939. Serial No. 423,759. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,523. MEN'S HATS. THE NEW YORK MERCANTILE COMPANY, St. Louis, Mo.
Filed September 20, 1939. Serial No. 423,774. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,524. INSECTICIDE. JAMES J. ANER, doing business as T. F. L. Insects Company, Farmington, Mich.
Filed September 21, 1939. Serial No. 423,785. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,525. GIRDLES, CORSETS AND BRASSIÈRES, AND COMBINATIONS THEREOF. ARTISTIC FOUNDATIONS, INC., New York, N. Y.
Filed September 21, 1939. Serial No. 423,786. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,526. CALCIUM AND PHOSPHORUS PREPARATION WITH VITAMINS A AND D INTENDED AS A DIETARY SUPPLEMENT. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y.
Filed September 21, 1939. Serial No. 423,788. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,527. MEDICINE USED EXTERNALLY FOR TREATMENT OF SKIN RASHES AND ERUPTIONS AND FOR SOME FORMS OF ACNE AND ECZEMA. CURRY LABORATORY, Camden, N. J.
Filed September 21, 1939. Serial No. 423,801. PUBLISHED DECEMBER 5, 1939. Class 6.

375,528. FOOT LOTION. THE GENERAL PHARMACAL COMPANY, INC., Louisville, Ky.
Filed September 21, 1939. Serial No. 423,806. PUBLISHED DECEMBER 5, 1939. Class 6.

375,529. RUBBER SOLES FOR SHOES. ALFRED HALE RUBBER COMPANY, Quincy, Mass.
Filed September 21, 1939. Serial No. 423,808. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,530. BOUDOIR SLIPPERS MADE OF VELVET, SATIN, LEATHER, AND/OR RAYON. LANSBURGH & BRO., Washington, D. C.
Filed September 21, 1939. Serial No. 423,815. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,531. HANDBAGS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed September 21, 1939. Serial No. 423,834. PUBLISHED NOVEMBER 21, 1939. Class 3.

375,532. PERFUMES AND TOILET WATERS. H. A. & E. SMITH, LIMITED, Hamilton, Bermuda.
Filed September 21, 1939. Serial No. 423,837. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,533. EMULSIFIABLE WAX COMPOSITIONS AND WAX EMULSIONS FOR SIZING PAPER AND OTHER INDUSTRIAL USES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed September 22, 1939. Serial No. 423,865. PUBLISHED DECEMBER 5, 1939. Class 6.

375,534. PREPARATION USED IN THE TREATMENT OF VITAMIN B DEFICIENCY CONDITIONS. FULCOM LABORATORIES, INC., New York, N. Y.
Filed September 23, 1939. Serial No. 423,880. PUBLISHED DECEMBER 5, 1939. Class 6.

375,535. PHOTOGRAPHIC CHEMICALS. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio.
Filed September 23, 1939. Serial No. 423,884. PUBLISHED DECEMBER 12, 1939. Class 6.

375,536. PHOTOGRAPHIC CHEMICALS. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio.
Filed September 23, 1939. Serial No. 423,886. PUBLISHED DECEMBER 12, 1939. Class 6.

375,537. LIPSTICKS. LUCIEN LELONG, INC., Chicago, Ill.
Filed September 23, 1939. Serial No. 423,889. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,538. WEARING APPAREL AND FURNISHINGS FOR MEN, WOMEN, AND CHILDREN, AS FOLLOWS: UNDERWEAR, TO WIT, SHIRTS, DRAWERS, AND UNION SUITS, ETC. ROBERT REIS & Co., New York, N. Y.
Filed September 23, 1939. Serial No. 423,895. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,539. WEARING APPAREL AND FURNISHINGS FOR MEN, WOMEN, AND CHILDREN, AS FOLLOWS: UNDERWEAR, TO WIT, SHIRTS, DRAWERS, AND UNION SUITS, ETC. ROBERT REIS & Co., New York, N. Y.
Filed September 23, 1939. Serial No. 423,896. PUBLISHED NOVEMBER 28, 1939. Class 39.

375,540. TRUNKS, VALISES, PORTFOLIOS, AND POCKETBOOKS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed September 26, 1939. Serial No. 423,944. PUBLISHED NOVEMBER 28, 1939. Class 3.

375,541. ANTISPASMODIC-SEDATIVE PHARMACEUTICAL PREPARATION IN TABLET FORM. CHARLES C. HASKELL & Co., INC., Richmond, Va.
Filed September 26, 1939. Serial No. 423,948. PUBLISHED DECEMBER 5, 1939. Class 6.

375,542. PERFUME. IRRESISTIBLE, INC., Jersey City, N. J.
Filed September 26, 1939. Serial No. 423,954. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,543. VITAMIN E PREPARATION. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed September 26, 1939. Serial No. 423,962. PUBLISHED DECEMBER 12, 1939. Class 6.

375,544. CHEMICAL FLUID FOR TREATING FABRIC TO MAKE IT SANITARY. GOLDING BROS. COMPANY, INC., New York, N. Y.
Filed September 27, 1939. Serial No. 423,978. PUBLISHED DECEMBER 12, 1939. Class 6.

375,545. LADIES', MEN'S, AND CHILDREN'S UNDERGARMENTS—NAMELY, UNION SUITS, VESTS, SHIRTS, SHORTS, ETC. ROBERT A. WENTZEL, doing business as Fae Manufacturing Company, Palmyra, Pa.
Filed September 27, 1939. Serial No. 423,991. PUBLISHED DECEMBER 12, 1939. Class 39.

375,546. MEDICINAL PREPARATION USED AS A HYPNOTIC AND SEDATIVE. AMFRE DRUG CO., INC., New York, N. Y.
Filed September 28, 1939. Serial No. 423,995. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,547. CHEMICAL COMPOUND IN THE FORM OF TABLETS OR SUPPOSITORIES OR OTHER PHARMACEUTICAL FORMS USED IN THE TREATMENT OF INSOMNIA. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada.
Filed September 28, 1939. Serial No. 424,008. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,548. CHEMICAL COMPOUND IN GRANULAR FORM OR IN ANY OTHER FORM USED AS A TONIC FOR CONVALESCENTS AND THE DEFICIENCIES OF GROWING CHILDREN. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada.
Filed September 28, 1939. Serial No. 424,009. PUBLISHED NOVEMBER 28, 1939. Class 6.

375,549. LIPSTICKS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed September 28, 1939. Serial No. 424,015. PUBLISHED DECEMBER 5, 1939. Class 6.

375,550. LEATHER IN THE PIECE. AMERICAN KID Co. INC., New York, N. Y.
Filed September 29, 1939. Serial No. 424,019. PUBLISHED DECEMBER 12, 1939. Class 1.

375,551. LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo.
Filed September 29, 1939. Serial No. 424,024. PUBLISHED DECEMBER 12, 1939. Class 39.

375,552. LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo.
Filed September 29, 1939. Serial No. 424,025. PUBLISHED DECEMBER 12, 1939. Class 39.

375,553. LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. CARMO SHOE MANUFACTURING COMPANY, Carthage, Mo.
Filed September 29, 1939. Serial No. 424,026. PUBLISHED DECEMBER 12, 1939. Class 39.

375,554. PREPARATION FOR PROPHYLAXIS AND TREATMENT OF DISEASES OF THE VAGINA AND CERVIX. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed September 29, 1939. Serial No. 424,072. PUBLISHED DECEMBER 12, 1939. Class 6.

375,555. ANTI-FREEZE SOLUTIONS FOR AUTOMOBILE RADIATORS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed September 30, 1939. Serial No. 424,081. PUBLISHED NOVEMBER 21, 1939. Class 6.

375,556. LAUNDRY WASHING MACHINES. HENRICI LAUNDRY MACHINERY COMPANY, Boston, Mass.
Filed September 30, 1939. Serial No. 424,088. PUBLISHED NOVEMBER 21, 1939. Class 24.

375,557. PRODUCTS CONTAINING VARIOUS KINDS OF VITAMINS TO BE USED IN THOSE CONDITIONS WHERE ADDITIONAL VITAMIN THERAPY IS INDICATED. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed September 30, 1939. Serial No. 424,095. PUBLISHED DECEMBER 12, 1939. Class 6.

375,558. PREPARATIONS HAVING ALTERATIVE, ANTISEPTIC, CLEANSING, DEODORIZING, DIURETIC, LAXATIVE, TONIC, AND SEDATIVE PROPERTIES. LYDIA E. PINKHAM MEDICINE COMPANY, Lynn, Mass.
Filed September 30, 1939. Serial No. 424,101. PUBLISHED DECEMBER 12, 1939. Class 6.

375,559. VITAMIN CAPSULES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed October 2, 1939. Serial No. 424,136. PUBLISHED DECEMBER 12, 1939. Class 6.

375,560. ANTI-FREEZE SOLUTIONS. SHELL OIL COMPANY, INCORPORATED, St. Louis, Mo.
Filed October 2, 1939. Serial No. 424,142. PUBLISHED DECEMBER 12, 1939. Class 6.

375,561. PIE CRUST MIXTURE AND PURE VEGETABLE SHORTENING. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed October 3, 1939. Serial No. 424,156. PUBLISHED DECEMBER 12, 1939. Class 46.

375,562. SEDATIVE, EXPECTORANT, AND BRONCHIAL MEDICAMENT. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed October 3, 1939. Serial No. 424,181. PUBLISHED DECEMBER 12, 1939. Class 6.

375,563. CAUSTIC SODA. THE SOLVAY PROCESS COMPANY, New York, N. Y.
Filed October 3, 1939. Serial No. 424,183. PUBLISHED DECEMBER 5, 1939. Class 6.

375,564. RUBBER DERIVATIVE FOR BONDING RUBBER TO METALS. MARBON CORPORATION, Gary, Ind.
Filed October 5, 1939. Serial No. 424,239. PUBLISHED DECEMBER 5, 1939. Class 5.

375,565. STOKERS. NORTHERN STEEL & STOKER CORP., Peoria, Ill.
Filed October 5, 1939. Serial No. 424,242. PUBLISHED DECEMBER 12, 1939. Class 34.

375,566. FOOD DRINK CONTAINING SOY BEAN, DEXTRIN AND OTHER CARBOHYDRATES IN POWDER FORM. ENRICH PRODUCTS CO., INC., New York, N. Y.
Filed October 6, 1939. Serial No. 424,263. PUBLISHED DECEMBER 12, 1939. Class 46.

375,567. PREPARATION USED IN THE TREATMENT OF CHAPPED HANDS AND THE LIKE. CHARLES PARKER BROWN, Santa Fe, N. Mex.
Filed October 9, 1939. Serial No. 424,342. PUBLISHED DECEMBER 5, 1939. Class 6.

375,568. MEDICINAL PREPARATION USED IN THE TREATMENT OF COUGHS AND COLDS. NYAL COMPANY, Detroit, Mich.
Filed October 9, 1939. Serial No. 424,363. PUBLISHED DECEMBER 5, 1939. Class 6.

375,569. GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed October 9, 1939. Serial No. 424,372. PUBLISHED DECEMBER 5, 1939. Class 5.

375,570. SALAD DRESSING. WITWER GROCER COMPANY, doing business as Sala-Dress Co., Cedar Rapids, Iowa.
Filed October 9, 1939. Serial No. 424,379. PUBLISHED DECEMBER 12, 1939. Class 46.

375,571. GRASS SEEDS. KAHN BROS. HAY & GRAIN Co., Chicago, Ill.
Filed October 10, 1939. Serial No. 424,396. PUBLISHED DECEMBER 12, 1939. Class 1.

375,572. NERVE TONIC SOLD IN CAPSULE FORM AND PARTICULARLY DESIGNED FOR THE RELIEF OF DROWSINESS. VIOLET F. KAY, doing business as Charles S. Kay Mfg. Chemists, Detroit, Mich.
Filed October 10, 1939. Serial No. 424,397. PUBLISHED DECEMBER 12, 1939. Class 6.

375,573. SEDATIVE PARTICULARLY USEFUL FOR THE RELIEF OF INSOMNIA OR SLEEPLESSNESS. VIOLET F. KAY, doing business as Charles S. Kay Mfg. Chemists, Detroit, Mich.
Filed October 10, 1939. Serial No. 424,398. PUBLISHED DECEMBER 5, 1939. Class 6.

375,574. TOILET SOAPS. MARY WOODARD REINHARDT AND MARY H. MCSWEENEY, New York, N. Y.
Filed October 10, 1939. Serial No. 424,408. PUBLISHED DECEMBER 12, 1939. Class 4.

375,575. CHEMICAL COMPOUNDS, OPAQUING AGENTS, AND PIGMENTS USED IN THE MANUFACTURE OF ENAMELS AND GLAZES. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y.
Filed October 10, 1939. Serial No. 424,414. PUBLISHED DECEMBER 12, 1939. Class 6.

375,576. CARBON PAPER. THE NELSON-EISMANN COMPANY, Chicago, Ill.
Filed October 11, 1939. Serial No. 424,435. PUBLISHED DECEMBER 12, 1939. Class 11.

375,577. WINES. HAMILTON L. ARNOLD, doing business as Arnold Distributing Company, Austin, Tex.
Filed October 12, 1939. Serial No. 424,458. PUBLISHED DECEMBER 12, 1939. Class 47.

375,578. PERFUME, TOILET WATER, FACE LOTION, FACE POWDER, BRILLIANTINE, LIPSTICK, ROUGE, AND TALC POWDER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed October 12, 1939. Serial No. 424,468. PUBLISHED DECEMBER 5, 1939. Class 6.

375,579. EFFERVESCENT TABLETS CONTAINING BROMIDE AND PHENOBARBITAL USED AS SEDATIVES AND HYPNOTICS. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y.
Filed October 12, 1939. Serial No. 424,484. PUBLISHED DECEMBER 12, 1939. Class 6.

375,580. EFFERVESCENT BROMIDE TABLETS USED AS SEDATIVES. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y.
Filed October 12, 1939. Serial No. 424,485. PUBLISHED DECEMBER 12, 1939. Class 6.

375,581. EFFERVESCENT ANTISEPTIC MOUTH-WASH TABLETS. MEDICO CHEMICAL CORPORATION OF AMERICA, New York, N. Y.
Filed October 12, 1939. Serial No. 424,486. PUBLISHED DECEMBER 12, 1939. Class 6.

375,582. COMBINATION OF DICALCIUM PHOSPHATE, CALCIUM GLUCONATE, AND VITAMIN D FOR PROPHYLAXIS OF CALCIUM, PHOSPHORUS, AND VITAMIN D DEFICIENCY. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed October 12, 1939. Serial No. 424,508. PUBLISHED DECEMBER 5, 1939. Class 6.

375,583. ADHESIVE, BANDAGE, AND FOOT PLASTER. CHIROPODY SUPPLY HEADQUARTERS, INC., Chicago, Ill.
Filed October 13, 1939. Serial No. 424,514. PUBLISHED DECEMBER 12, 1939. Class 44.

375,584. DYES AND DYESTUFFS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed October 13, 1939. Serial No. 424,516. PUBLISHED DECEMBER 5, 1939. Class 6.

375,585. LIMESTONE IN VARIOUS SIZES USED FOR CHICKEN GRITS. UNITED STATES LIME PRODUCTS CORPORATION, San Francisco, Calif.
Filed October 13, 1939. Serial No. 424,529. PUBLISHED DECEMBER 12, 1939. Class 1.

375,586. CHEESE. PERRY MESSINGER, doing business as The Cheese Joint, Sodus, N. Y.
Filed October 14, 1939. Serial No. 424,550. PUBLISHED DECEMBER 12, 1939. Class 46.

375,587. CANNED FISH. SUN HARBOR PACKING CORPORATION, San Diego, Calif.
Filed October 14, 1939. Serial No. 424,564. PUBLISHED DECEMBER 12, 1939. Class 46.

375,588. DRY CLEANING APPARATUS. BUTLER MANUFACTURING COMPANY, Kansas City, Mo.
Filed October 16, 1939. Serial No. 424,575. PUBLISHED NOVEMBER 28, 1939. Class 24.

375,589. SAFETY RAZORS AND ELECTRICALLY OPERATED INSTRUMENTS FOR SHAVING AND FOR REMOVING HAIR FROM THE BODY. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed October 16, 1939. Serial No. 424,583. PUBLISHED DECEMBER 12, 1939. Class 23.

375,590. YEAST TABLETS CONTAINING VITAMIN D. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y.
Filed October 17, 1939. Serial No. 424,626. PUBLISHED DECEMBER 5, 1939. Class 6.

375,591. MACHINES FOR MAKING PHONOGRAPH RECORDS, MACHINES FOR RECORDING SOUNDS ON A PHONOGRAPH BLANK, PHONOGRAPHS, ETC. UNIVERSAL MICROPHONE CO., LTD., Inglewood, Calif.
Filed October 17, 1939. Serial No. 424,631. PUBLISHED DECEMBER 12, 1939. Class 36.

375,592. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed October 19, 1939. Serial No. 424,683. PUBLISHED DECEMBER 5, 1939. Class 6.

375,593. FOOD PRODUCTS, PARTICULARLY POTATO CHIPS, POTATO SALAD, SALAD DRESSING, AND SALTED NUTS. H. H. CROUTHAMEL, Quakerstown, Pa.
Filed October 19, 1939. Serial No. 424,684. PUBLISHED DECEMBER 12, 1939. Class 46.

375,594. NASAL WIND MUSICAL INSTRUMENT. THE FRED GRETSCH MANUFACTURING CO., New York, N. Y.
Filed October 19, 1939. Serial No. 424,687. PUBLISHED DECEMBER 12, 1939. Class 36.

375,595. BAKERY PRODUCTS—NAMELY, BISCUIT, CRACKERS, COOKIES, CRACKER-MEAL, CONES, BREAD, CAKES, DOUGHNUTS, ROLLS, AND BRAN. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed October 20, 1939. Serial No. 424,736. PUBLISHED DECEMBER 12, 1939. Class 46.

375,596. RUN-RESISTING COMPOUND FOR HOSIERY, LINGERIE, AND SILK AND RAYON FABRICS. RALPH S. WILLARD, doing business as Runix Manufacturing Co., Los Angeles, Calif., assignor to Runix, Inc., Los Angeles, Calif., a corporation of California.
Filed October 20, 1939. Serial No. 424,747. PUBLISHED DECEMBER 5, 1939. Class 6.

375,597. RAZOR BLADES. FERMIN & RICARDO GOMEZ & COMPANY, Bogota, Colombia.
Filed October 20, 1939. Serial No. 424,750. PUBLISHED DECEMBER 12, 1939. Class 23.

375,598. LOOP ANTENNAS FOR RADIO RECEPTION. DIAMOND WIRE & CABLE CO., Chicago Heights, Ill.
Filed October 21, 1939. Serial No. 424,766. PUBLISHED DECEMBER 12, 1939. Class 21.

375,599. FACE CREAMS AND PREPARATIONS FOR THE TREATMENT OF THE SKIN. TACO PRODUCTS, INC., New York, N. Y.
Filed October 21, 1939. Serial No. 424,789. PUBLISHED DECEMBER 5, 1939. Class 6.

375,600. PERFUME. NYAL COMPANY, Detroit, Mich.
Filed October 23, 1939. Serial No. 424,819. PUBLISHED DECEMBER 5, 1939. Class 6.

375,601. PERFUME. NYAL COMPANY, Detroit, Mich.
Filed October 23, 1939. Serial No. 424,820. PUBLISHED DECEMBER 5, 1939. Class 6.

375,602. TONIC AND WORMING PREPARATION FOR POULTRY, DOGS, AND LIVESTOCK, PARTICULARLY HOGS. L. & S. HOG TONIC CO., Midville, Ga.
Filed October 24, 1939. Serial No. 424,853. PUBLISHED DECEMBER 5, 1939. Class 6.

375,603. WHISKEY. ALEXANDER YOUNG DISTILLING COMPANY, Philadelphia, Pa.
Filed November 2, 1939. Serial No. 425,176. PUBLISHED DECEMBER 12, 1939. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

375,604. (CLASS 39. CLOTHING.) GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed May 15, 1936. Serial No. 378,483.

Floating Bra

For Swim Suits, Play Suits, and Sweaters.
Claims use since June 5, 1935.

375,605. (CLASS 39. CLOTHING.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Oct. 30, 1937. Serial No. 399,142.

"STURDI-LINE"

For Reducing Girdles and Corsets.
Claims use since Sept. 1934.

375,606. (CLASS 37. PAPER AND STATIONERY.) JACKSON C. E. GLASS, Oakland, Calif., assignor to Mill Agents and Distributors, Inc., Oakland, Calif., a corporation of California. Filed Nov. 20, 1937. Serial No. 399,959.

FRESH-WAXT

For Waxed Paper.
Claims use since June 8, 1937.

375,607. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. D. JUILLIARD & CO. INC., New York, N. Y. Filed Nov. 23, 1937. Serial No. 400,057.

KOMPOSIT

For Worsteds, Tweeds, and Woolen Goods in the Piece.
Claims use since Nov. 3, 1937.

375,608. (CLASS 31. FILTERS AND REFRIGERATORS.) ARTHUR C. HUGHES, Dallas, Tex. Filed Feb. 7, 1938. Serial No. 402,777.

Hughes Water-Flo Cooler

For Refrigeration Apparatus and Bottle Coolers.
Claims use since Dec. 4, 1937.

375,609. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SAMUEL KERSTEN, Chicago, Ill. Filed Mar. 17, 1938. Serial No. 404,175.

WATER SAVER

For Faucets, Cocks, Plumbing and Steam-Fitting Valves, Floor Drains, Traps, Metal Sewer Cleanout Fittings, Pool Feed Pipes and Overflow Screens, Strainers, Tank Floats, Drinking Fountains, Showers, Swing Spouts, Water Softening Tanks, Faucet, Valve and Cock Parts and Metal Pipe Fittings.
Claims use since Aug. 1, 1925.

375,610. (CLASS 39. CLOTHING.) E. R. SHAW, doing business as Tiedright Tie Company, Asheboro, N. C. Filed July 27, 1938. Serial No. 408,970.

Tiedright

For Neckties.
Claims use since September, 1935.

375,611. (CLASS 39. CLOTHING.) MAAS BROTHERS, INC., Tampa, Fla. Filed Aug. 11, 1938. Serial No. 409,477.

PAN-AMERIQUE FASHIONS

For Wearing Apparel for Women and Children—Namely, Play Suits, Bathing Suits, Dresses, Suits, Shoes Made of Leather or Fabric or of Combinations Thereof, Hats, Sweaters, Outer Skirts, Outer Shirts, Blouses, Hosiery, Handkerchiefs, Collars, Gloves Made of Leather and Fabric, and Underwear.
Claims use since May 26, 1938.

375,612. (CLASS 39. CLOTHING.) A. STEIN & COMPANY, Chicago, Ill. Filed Aug. 16, 1938. Serial No. 409,658.

Reversabelt

For Belts for Personal Wear.
Claims use since Aug. 4, 1938.

375,613. (CLASS 39. CLOTHING.) UNION MANUFACTURING COMPANY, Los Angeles, Calif. Filed Sept. 26, 1938. Serial No. 411,019.

BUK-L-BREECH

For Men's and Boys' Breeches.
Claims use since May 10, 1938.

375,614. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York. N. Y. Filed Nov. 15, 1938. Serial No. 412,767.

"CORT"

For Dress Shields.
Claims use since Oct. 5, 1938.

375,615. (CLASS 39. CLOTHING.) MOTHER AND DAUGHTER STORES, INC., Rocky Mount, N. C. Filed Nov. 15, 1938. Serial No. 412,777.

MOTHER and DAUGHTER STORE, Inc.

For Women's and Girls' Dresses, Men's, Women's, and Children's Hats, Men's, Women's, and Children's Underwear, Hosiery, Men's, Women's, and Children's Coats, Raincoats, Bathrobes, Pajamas, Nightgowns, Evening Gowns, Blouses; Women's and Girls' Outer and Under Skirts; Handkerchiefs; Rubber, Leather, or Composition Shoes; Leather and Cloth Slippers; Aprons; Nurses' and Servants' Uniforms; Sweaters; Belts for Outer Wear; Gloves of Leather or Fabric; Scarfs, Corsets, Brassières; and Men's, Women's, and Children's Housecoats.
Claims use since Oct. 7, 1938.

375,616. (CLASS 39. CLOTHING.) FREDERICK LOESER & CO., INC., Brooklyn, N. Y. Filed Nov. 22, 1938. Serial No. 413,047.

LOESER-RITE

For Children's Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof.
Claims use since August, 1938.

375,617. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) COMPETENT FUR DRESSERS, INC., Mount Vernon, N. Y. Filed Nov. 29, 1938. Serial No. 413,209.

FEATHERLITE PROCESS

For Fur Skins.
Claims use since Aug. 26, 1938.

375,618. (CLASS 39. CLOTHING.) SCHNEIDER, HOFFENBERG & MINES, INC., New York, N. Y. Filed Nov. 29, 1938. Serial No. 413,279.

Blair Hall

For Boys' and Young Men's Clothing—Namely, Suits and Coats.
Claims use since Oct. 24, 1938.

375,619. (CLASS 39. CLOTHING.) SCHNEIDER, HOFFENBERG & MINES, INC., New York, N. Y. Filed Nov. 29, 1938. Serial No. 413,280.

BLAIR-TOWN

For Boys' and Young Men's Clothing—Namely, Suits and Coats.
Claims use since Oct. 24, 1938.

375,620. (CLASS 39. CLOTHING.) AUGUST KRAZEISE, INC., New York, N. Y. Filed Dec. 9, 1938. Serial No. 413,636.

KAY (K QUALITY) TUF

For Apparel Belts in the Nature of Garment Supports.
Claims use since Nov. 10, 1938.

375,621. (CLASS 39. CLOTHING.) ISIDORE FELDSTEIN, doing business as Morris Feldstein & Son, New York, N. Y. Filed Dec. 21, 1938. Serial No. 414,063.

ZEPPLIFT ZEPPLIFT ZEPPLIFT ZEPPLIFT ZEPPLIFT ZEPPLIFT ZEPPLIFT

For Footwear—Namely, Outsoles and Heels Made of Rubber and Leather.
Claims use since Nov. 28, 1938.

375,622. (CLASS 39. CLOTHING.) CHARLES H. COX, doing business as Sun Wear Ltd., New Bedford, Mass. Filed Jan. 4, 1939. Serial No. 414,486.

Sun Wear Ltd.

For Men's Neckties, Women's Scarfs, Undershirts, Sweaters, Raincoats, Dress and Sport Shoes Made of Leather, Rubber, or Fabric, or Combinations of said Materials; and Sports Apparel—Namely, Men's and Women's Sport Suits and Coats; Men's and Women's Slacks, and Women's Dresses.
Claims use since Nov. 1, 1938.

375,623. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WILSON DISTILLING COMPANY, INC., Bristol, Pa., and New York, N. Y. Filed Jan. 7, 1939. Serial No. 414,608.

BUCKS COUNTY

For Whiskey.
Claims use since Dec. 16, 1938.

375,624. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Jan. 26, 1939. Serial No. 415,273.

MONO-RIB

For Rubber Tires for Vehicles.
Claims use since Dec. 8, 1938.

375,625. (CLASS 39. CLOTHING.) SANDERS A. LEVINSOHN, INC., New York, N. Y. Filed Feb. 1, 1939. Serial No. 415,482.

Tuf-Twist

For Boys' and Students' Suits and Overcoats.
Claims use since December, 1938.

375,626. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES A. THOMPSON, New Sharon, Maine. Filed Feb. 10, 1939. Serial No. 415,924.

The Maine Line

For Tennis and Badminton Rackets.
Claims use since Jan. 1, 1939.

375,627. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed Feb. 11, 1939. Serial No. 415,937.

STYLED TO BEAUTIFY

For Necklaces and Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, Lockets, and the Following Goods Made in Whole or in part of Precious Metal or Plated with the Same; Beads, Pins, Hat Ornaments, Hair Ornaments, Holders for Face Powder Compacts, Comb Cases, Cigarette Cases, Fancy Cigarette Boxes, Fancy Buckles, and Jewelry Initials.
Claims use since December, 1938.

375,628. (CLASS 39. CLOTHING.) JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif. Filed Feb. 14, 1939. Serial No. 416,019.

"Tops in Style"

For Shoes and Slippers for Men, Women, and Children, of Leather, Fabric, and Combinations thereof.
Claims use since July 1, 1938.

375,629. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 23, 1939. Serial No. 416,348.

BRAKE ACTION TREAD

For Rubber Tires for Vehicles.
Claims use since Jan. 17, 1939.

375,630. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HERMAN COHN LEATHER GOODS COMPANY, Baltimore, Md. Filed Mar. 15, 1939. Serial No. 417,080.

Whisk-it

For Whisk Brooms.
Claims use since Nov. 1, 1938.

375,631. (CLASS 33. GLASSWARE.) GERMANOW-SIMON MACHINE CO., Rochester, N. Y. Filed Apr. 28, 1939. Serial No. 418,826.

EVR-KLEER

For Dial Crystals and Glasses for Watches, Clocks, Radio Receivers and Transmitters, Indicators, and Measuring and Scientific Instruments.
Claims use since Jan. 15, 1939.

375,632. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PEDAL BOAT COMPANY OF AMERICA, INC., New York, N. Y. Filed May 19, 1939. Serial No. 419,594.

PED-L-CRAFT

For Pedal Boats.
Claims use since Nov. 14, 1938.

375,633. (CLASS 39. CLOTHING.) RUBENSTEIN BROS. INC., Shreveport, La. Filed June 1, 1939. Serial No. 420,073.

"Louise Lee"

For Women's, Misses', and Children's Shoes Made of Leather, Rubber, or Fabric, or a Combination of These Materials, Hosiery, and Dresses.
Claims use since January, 1937.

375,634. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) RICE-WEINER & CO., Providence, R. I. Filed June 9, 1939. Serial No. 420,306.

McClelland Barclay

For Brooches, Pins, Buckles, Pendants, Earrings, Clips, Bracelets, and Jewelry Ornaments, All of the Foregoing Articles Being Made in Whole or in Part of Precious Metal or Plated with the Same.
Claims use since July 15, 1938.

375,635. (CLASS 39. CLOTHING.) SILVERITE GUTTERMAN CO., Boston, Mass. Filed June 9, 1939. Serial No. 420,343.

SANATIZED

For Leather Insoles for Shoes.
Claims use since Jan. 25, 1933.

375,636. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis. Filed Aug. 12, 1939. Serial No. 422,552.

PEERLESS

For Pressure Cookers, Skillets, Sauce Pans, Dutch Ovens, Roasters, Griddles, Kettles, and Broilers.
Claims use since May, 1930.

375,637. (CLASS 32. FURNITURE AND UPHOLSTERY.) J. B. VAN SCIVER CO., Camden, N. J. Filed Aug. 14, 1939. Serial No. 422,607.

J.B.Van Sciver Co.

For Furnishings for Institutions, Hotels, Hospitals, Clubs, Steamers, Yachts, Cruisers, and Furniture for Living Rooms, Dining Rooms, Bedrooms, Kitchens, Offices, Libraries, Porches and Gardens—Namely, Upholstered Sofas and Chairs, Studio Couches, Lounge Chairs, Coffee Tables, End Tables, Bookcases, Mirrors, Living Room Desks, Dining Room Tables, Buffets, Servers, China Cabinets, Dining Room Chairs, Tea Wagons, Beds, Bureaus, Chests, Vanity Dressers, Boudoir Chairs, Chaises Longues, Breakfast Sets, Kitchen Cabinets, Kitchen Chairs and Tables, Office Desks, Leather and Wood Office Chairs, Office Bookcases, Filing Cabinets, Wardrobes, Costumers, Mattresses, Box Springs, Open Wire Springs, Pillows and Bolsters, Slip Covers, Porch and Garden Furniture.
Claims use since 1908.

375,638. (CLASS 32. FURNITURE AND UPHOLSTERY.) EDGAR J. GARDNER, doing business as Gardner Manufacturing Co., Kansas City, Mo. Filed Aug. 28, 1939. Serial No. 423,056.

GARDNER

For Store Furniture—Namely, Display Cases and Racks.
Claims use since Jan. 1, 1938.

375,639. (CLASS 39. CLOTHING.) WIRK GARMENT CORPORATION, Chicago, Ill. Filed Sept. 8, 1939. Serial No. 423,450.

WIRK

For Aprons for Butchers, Carpenters, Newsboys, and Shop and Restaurant Workers; Also Leg Aprons and Oiled and Rubber Aprons; Breeches, Pants, and Slacks for Men and Boys; Overseas and Uniform Caps; Chefs' Caps and Trousers; Leather Coats and Jackets; Coats and Jackets for Men and Boys; Mess Jackets, Dentists', Office, Barbers' and Shop Coats and Jackets; Coveralls; Dresses and Headbands for Cafe and Restaurant Workers; Frocks for Butchers, and Cooler and Grocery Store Workers; Hospital Garments; Nurses' Uniforms; Restaurant Uniforms for Men and Women; Smocks; Outer and Active Sports Shirts; Leather Neckties; Puttees; and Raincoats.
Claims use since September, 1933.

375,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ILLINOIS BAKING CORPORATION, Chicago, Ill. Filed Sept 25, 1939. Serial No. 423,913.

SAFE-T

For Ice Cream Cones.
Claims use since Dec. 7, 1934.

375,641. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) LORRAINE FOSTER, New York, N. Y. Filed Sept. 29, 1939. Serial No. 424,038.

NoMoOdOr

For Toilet Preparation (a Preparation for Use as a Deodorant and for Relieving the Discomfort of Athlete's Foot.)
Claims use since Jan. 17, 1938.

375,642. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SPALDING SALES CORPORATION, Chicopee, Mass. Filed Oct. 25, 1939. Serial No. 424,893.

SOLE WEIGHTED

For Golf Clubs.
Claims use since Nov. 21, 1938.

375,643. (CLASS 39. CLOTHING.) H. C. COHN & Co., Rochester, N. Y. Filed Nov. 3, 1939. Serial No. 425,180.

English SHOP

For Neckties.
Claims use since May 23, 1938.

375,644. (CLASS 17. TOBACCO PRODUCTS.) THE COLONIAL TOBACCO CO., St. Louis, Mo. Filed Nov. 3, 1939. Serial No. 425,185.

Kentwood

For Smoking Tobacco.
Claims use since May 2, 1938.

375,645. (CLASS 37. PAPER AND STATIONERY.) ALBERT A. AINSWORTH, Ossining, N. Y. Filed Nov. 9, 1939. Serial No. 425,445.

FOTOFILE

For Albums.
Claims use since June 1, 1929.

375,646. (CLASS 39. CLOTHING.) ERD-MARSHALL CO., Port Huron, Mich. Filed Nov. 13, 1939. Serial No. 425,565.

ROMONT

For Women's and Misses' Coats, Hats, Leggings, Ski Pants, Snow Suits, Mittens, Skirts, and Jackets.
Claims use since Sept. 13, 1934.

375,647. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ARTHUR V. SWANSON, doing business as Frederickson Tire Co., Oklahoma City, Okla. Filed Nov. 17, 1939. Serial No. 425,762.

FREDERICKSON

For Tires and Inner Tubes.
Claims use since July 1, 1934.

375,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALICE DODD & Co., INC., New York, N. Y. Filed Nov. 28, 1939. Serial No. 426,022.



For Biscuits.
Claims use since Oct. 28, 1938.

375,649. (CLASS 37. PAPER AND STATIONERY.) DIETRICH-POST CO., San Francisco, Calif. Filed Dec. 1, 1939. Serial No. 426,124.

CLEARPRINT

For Tracing Paper.
Claims use since Dec. 1, 1933.

375,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE G. SMITH, Avondale, Colo. Filed Dec. 7, 1939. Serial No. 426,320.

COLORADO Best

For Cantaloupes.
Claims use since August, 1932.

375,651. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE E. DORMANN, doing business as George Dormann Co., El Centro, Calif. Filed Dec. 8, 1939. Serial No. 426,507.

DORMANN

For Fresh Vegetables—Namely, Lettuce and Carrots; and Fresh Fruits—Namely, Grapes and Melons.
Claims use since June, 1937.

TRADE-MARK REGISTRATIONS RENEWED

127,483. **REGINA.** SWIMMING OR BATHING DEVICES COMPRISING BODY-SUPPORTING FLOATS. Registered November 11, 1919. REGINA SWIMMING DEVICES CO. Renewed November 11, 1939, to Regina N. Bressler, doing business as Regina Swimming Devices Co., New York, N. Y., successor.

127,929. **DRIFTWEVE.** SILK PIECE GOODS. Registered December 16, 1919. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Renewed December 16, 1939, to William Skinner & Sons, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts, assignee.

128,929. **FLEXSPAR.** READY-MIXED PAINT. Registered January 20, 1920. THE BARRETT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed January 20, 1940.

128,984. **TWO HANDS, ETC.** CAMP-CHAIRS, STOOLS FOR HOME AND OFFICE USE, FOLDING CHAIRS, LIBRARY-STEPS, AND INVALID-CHAIRS. Registered January 20, 1920. CHARLES GLANTZ, Arkville, N. Y. Renewed January 20, 1940.

129,083. **XXX.** CERTAIN NAMED NON-ALCOHOLIC BEVERAGES. Registered January 20, 1920. SOUTHERN BEVERAGE COMPANY. Renewed January 20, 1940, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas, assignee by mesne assignments.

129,307. **SEAL BRAND.** TEA. Registered February 10, 1920. CHASE & SANBORN, Boston, Mass. Renewed February 10, 1940, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

129,623. **PUROLA.** MEDICINAL REMEDIES AND TOILET PREPARATIONS. Registered March 9, 1920. BLUMAUER-FRANK DRUG COMPANY, Portland, Oreg. Renewed March 9, 1940, to William J. Wardall, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y., successor.

131,026. **FLUFFO.** A SHORTENING AND A FRYING MEDIUM. Registered May 4, 1920. ASPEGREN & Co., New York, N. Y. Renewed May 4, 1940, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments.

131,182. **FLEXYDE.** IMITATION LEATHER. Registered May 4, 1920. THE MARATHON TIRE AND RUBBER CO., Cuyahoga Falls, Ohio. Renewed May 4, 1940, to The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, assignee by mesne assignments.

131,397. **SENTINEL.** THERMOSTATICALLY-OPERATED ELECTRIC SWITCHES. Registered May 18, 1920. AMERICAN FIRE PREVENTION BUREAU, INC., New York, N. Y., a corporation of New York. Renewed May 18, 1940.

131,645. **UNDERWOOD.** TYPEWRITING MACHINES. Registered May 18, 1920. UNDERWOOD TYPEWRITER COMPANY. Renewed May 18, 1940, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware, by change of name.

131,789. **TRU-VALUE.** LEATHER BOOTS AND SHOES. Registered May 25, 1920. KNIPE BROS., INC., Haverhill, Mass. Renewed May 25, 1940, to Knipe Bros. Inc., Ward Hill, Mass., a corporation of Massachusetts.

132,107. **SWAN-TISSUE.** CERTAIN NAMED PAPER AND STATIONERY. Registered June 15, 1920. THE CENTRAL OHIO PAPER COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed June 15, 1940.

132,362. **DURATOP.** WATERPROOFED TEXTILE FABRIC. Registered June 22, 1920. THE DURATEX COMPANY, Newark, N. J. Renewed June 22, 1940, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware, assignee.

132,390. **A FRAMED PORTRAIT.** COLORING FOR THE HAIR. Registered June 22, 1920. JOHN GOLDMAN, Philadelphia, Pa. Renewed June 22, 1940.

132,472. **UNISOL.** BOILER-PRESERVER. Registered June 22, 1920. PETER L. O'NEILL. Renewed June 22, 1940, to John I. O'Neill, Jersey City, N. J., assignee.

132,514. **ESTIVIN.** A MEDICINAL COMPOUND FOR EXTERNAL TREATMENT OF HAY-FEVER. Registered June 22, 1920. SCHIEFFELIN & COMPANY, New York, N. Y., a corporation of New York. Renewed June 22, 1940.

132,667. **NICHROME.** CERTAIN NAMED METAL CASTINGS. Registered June 29, 1920. DRIVER-HARRIS COMPANY, Harrison, N. J., a corporation of New Jersey. Renewed June 29, 1940.

132,729. **MINERVA MILLS.** A FABRIC MADE WITH A COTTON WARP AND A FILLING OF WOOL, ALPACA, OR MOHAIR. Registered June 29, 1920. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed June 29, 1940, to Goodall Worsted Co., Sanford, Maine, a corporation of Maine, successor.

132,743. **HA METZ LAB.** CERTAIN NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. Registered June 29, 1920. HERMAN A. METZ. Renewed June 29, 1940, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee.

132,827. **OLD STRATFORD.** CERTAIN NAMED PAPER AND STATIONERY. Registered June 29, 1920. STRATHMORE PAPER COMPANY, West Springfield, Mass., a corporation of Massachusetts. Renewed June 29, 1940.

132,829. **A WITCH.** LUBRICATING-OIL. Registered June 29, 1920. FRANK P. SYMONDS. Renewed June 29, 1940, to Salem Chemical & Supply Co., Salem, Mass., a corporation of Massachusetts, assignee.

132,830. **TAQUININE.** QUININ ETHYL CARBONATE. Registered June 29, 1920. TAKAMINE LABORATORY INC., New York, N. Y. Renewed June 29, 1940, to Takamine Laboratory, Inc., Clifton, N. J., a corporation of New York.

132,848. **RISING SUN.** A PREPARATION FOR THE TREATMENT OF CERTAIN NAMED AILMENTS. Registered June 29, 1920. S. D. VAN SICKLE ESTATE, Ashland, Pa., a firm. Renewed June 29, 1940.

132,858. **CONNOISSEUR.** OILS OF COTTON-SEED OR THE LIKE FOR FOOD PURPOSES AND FOR CHOCOLATES. Registered June 29, 1920. JULES WEBER, INC., New York, N. Y., a corporation of New York. Renewed June 29, 1940.

132,912. **WINTERFIELD.** MEN'S, WOMEN'S, AND CHILDREN'S OUTER GARMENTS. Registered July 6, 1920. COHEN, GOLDMAN & CO., INC., New York, N. Y., a corporation of New York. Renewed July 6, 1940.

132,939. **GOOD AND SQUARE.** BROOMS, BRUSHES, AND MOPS. Registered July 6, 1920. GEO. A. FINK CO., New York, N. Y., a corporation of New York. Renewed July 6, 1940.

132,990. **HYGIENOL.** TOOTHBRUSHES. Registered July 6, 1920. MAURICE LEVY, New York, N. Y. Renewed July 6, 1940, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York, assignee.

133,040. **ESSANBEE.** MEN'S AND LADIES' FURNISHING GOODS, HOSIERY, AND NOTIONS. Registered July 6, 1920. SHUSHAN BROS. & CO. Renewed July 6, 1940, to Shushan Bros. & Co., Inc., New Orleans, La., a corporation of Louisiana, assignee.

133,087. **ABC.** BRASSIÈRE COMBINATION-UNDERGARMENTS AND UNDERGARMENTS FOR WOMEN. Registered July 6, 1920. THE WARNER BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed July 6, 1940.

133,096. **WICO.** BATTERIES, ELECTRICAL MINE-LAMPS, AND MAGNETOS. Registered July 6, 1920. WITHERBEE IGNITER COMPANY, Springfield, Mass. Renewed July 6, 1940, to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts, assignee.

133,135. **GRISWOLD, ETC.** FOOD-CHOPPERS, COMBINATION MEAT AND FOOD CUTTERS, FRUIT AND LARD PRESSES, AND TOBACCO-CUTTERS. Registered July 13, 1920. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Renewed July 13, 1940.

133,164. **MEYER-DUMORE.** BOTTLE-WASHING MACHINES. Registered July 13, 1920. GEO. J. MEYER MANUFACTURING CO., Milwaukee, Wis. Renewed July 13, 1940, to Geo. J. Meyer Manufacturing Company, Cudahy, Wis., a corporation of Wisconsin.

133,169. **NATIONAL EQUIPMENT CO.** CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. Registered July 13, 1920. NATIONAL EQUIPMENT COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed July 13, 1940.

133,170. **NATIONAL GEOGRAPHIC SOCIETY.** PRINTED SHEETS CONTAINING ILLUSTRATIONS AND DESCRIPTIVE MATTER, ISSUED FROM TIME TO TIME. Registered July 13, 1920. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C., a corporation of the District of Columbia. Renewed July 13, 1940.

133,210. **BALDWIN.** POWER-TRANSMISSION OR DRIVE CHAINS FOR MOTOR-TRUCKS, ETC. Registered July 20, 1920. BALDWIN CHAIN AND MANUFACTURING COMPANY, Worcester, Mass. Renewed July 20, 1940, to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin, assignee by mesne assignments.

133,261. **GEM WHITE.** LARD SUBSTITUTE. Registered July 20, 1920. *HODGSON* OIL REFINING COMPANY, Athens, Ga., a corporation of Georgia. Renewed July 20, 1940.

LABELS

REGISTERED FEBRUARY 20, 1940

54,267.—*Title:* CHARGE-MASTER. For Electrical Instruments for Indicating the Potential of the Battery and Electrical System of an Automotive Vehicle. THE ANDERSON COMPANY, Gary, Ind. Published December 11, 1939.

54,268.—*Title:* TULIP COUNTRY ROLL BUTTER. For Butter. M. AUGENBLICK & BRO., INC., Newark, N. J. Published January 21, 1939.

54,269.—*Title:* SIR PRIZE. For Candy and Novelty Merchandise. CASEY CONCESSION CO., Chicago, Ill. Published December 5, 1939.

54,270.—*Title:* CASEY CREST. For Candy and Novelty Merchandise. CASEY CONCESSION CO., Chicago, Ill. Published December 5, 1939.

54,271.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published January 18, 1940.

54,272.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published January 19, 1940.

54,273.—*Title:* WASH AND CLEAN WITH CLIMALENE. For an All-Around Cleanser and Water Softener. THE CLIMALENE COMPANY, Canton, Ohio. Published January 6, 1940.

54,274.—*Title:* CONEWANGO PROCESS MOTOR OIL. For Motor Oil. THE CONEWANGO REFINING COMPANY, Warren, Pa. Published October 30, 1939.

54,275.—*Title:* TARHEEL BRAND YAMS. For Flue Cured Yams. W. A. CORBETT, Wilmington, N. C. Published December 12, 1939.

54,276.—*Title:* TWO-STATE BRAND YAMS. For Flue Cured Yams. W. A. CORBETT, Wilmington, N. C. Published December 12, 1939.

54,277.—*Title:* FRANKENMUTH OLD ENGLISH BRAND ALE. For Ale. FRANKENMUTH BREWING COMPANY, Frankenmuth, Mich. Published January 3, 1939.

54,278.—*Title:* FRANKENMUTH BEER. For Beer. FRANKENMUTH BREWING COMPANY, Frankenmuth, Mich. Published January 3, 1939.

54,279.—*Title:* DELCO HYDRAULIC SHOCK ABSORBER FLUID. For Hydraulic Shock Absorber Fluid. GENERAL MOTORS CORPORATION, Detroit, Mich., and Dayton, Ohio. Published July 17, 1939.

54,280.—*Title:* SOIL-S-GRO. For a Chemical Preparation for Making a Solution for Growing Plants Without Soil. WILLIAM B. LODDER, Syracuse, N. Y. Published November 16, 1939.

54,281.—*Title:* LONG'S ROOT BEER. For Root Beer. LONG'S ROOT BEER OF PHILADELPHIA, Philadelphia, Pa. Published November 15, 1939.

54,282.—*Title:* PRICELESS CUP. For Coffee With Chicory. NORTH AMERICAN COFFEE CORPORATION, Port Huron, Mich. Published January 8, 1940.

54,283.—*Title:* LORD CLIVE. For a Pipe Mixture Tobacco. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Published November 9, 1939.

54,284.—*Title:* BAN-ODOR. For a Chloramine Product Used as a Disinfectant, Germicide and Deodorant. AL R. NORD, doing business as Nord Chemical Company, Duluth, Minn. Published December 1, 1939.

54,285.—*Title:* RECORD OF THE MONTH SOCIETY. For Phonograph Records. WALTER H. NUSSBAUM, New York, N. Y. Published October 4, 1939.

54,286.—*Title:* RECORD OF THE WEEK SOCIETY. For Phonograph Records. WALTER H. NUSSBAUM, New York, N. Y. Published October 4, 1939.

54,287.—*Title:* KLONDIKE FORMULA 48. For an Anti-Freeze for Radiators. FRIEDERICH W. ROHRS, Rosedale, Md. Published December 19, 1939.

54,288.—*Title:* CLEAN HOUSE WITH HYDRO-PURA. For a Soapless Cleaner. SCHALK CHEMICAL CO., Los Angeles, Calif. Published December 16, 1939.

54,289.—*Title:* PLEDGE. For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 22, 1939.

54,290.—*Title:* MADAME TURMEL'S KNOGRAY. For a Product for Giving a Most Lasting Color to Gray, Faded or Streaked Hair. MADAME MARGUERITE TURMEL, INC., New York, N. Y. Published November 28, 1939.

54,291.—*Title:* YOUNG BRAND. For California Vegetables. GEORGE YOUNG, doing business as George Young and Son, Los Angeles, Calif. Published January 15, 1940.

54,292.—*Title:* FRUIT CAKE. For Fruit Cake. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,293.—*Title:* CUP CAKES. For Cup Cakes. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,294.—*Title:* BROWN SUGAR TOPPED COFFEE CAKE. For Brown Sugar Topped Coffee Cakes. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,295.—*Title:* WARD'S CAKE—PASTRY RING. For Pastry Rings. WARD BAKING COMPANY, New York, N. Y. Published December 15, 1939.

54,296.—*Title:* WARD'S CAKE—VANILLA FILLED TURNOVERS. For Turnovers. WARD BAKING COMPANY, NEW YORK, N. Y. Published December 15, 1939.

54,297.—*Title:* ANDY LOTSHAW ALL-PURPOSE BODY RUB. For an All-Purpose Body Rub. ANDY LOTSHAW COMPANY, Chicago, Ill. Published December 1, 1939.

PRINTS

REGISTERED FEBRUARY 20, 1940

17,837.—*Title:* SIGNIFICANCE OF THE GROCERY ORDER LIST. For Grocery Order Lists. ELMER EDGAR DE FOREST, Susanville, Calif. Published December 27, 1939.

17,838.—*Title:* THE ORIGINAL EMELOID THROAT-LITE. For Tongue Depressors Equipped With Tips That Transmit Cold Light for Illuminating the Throat and Mouth. THE EMELOID CO., INC., Arlington, N. J. Published November 20, 1939.

17,839.—*Title:* SURPRISE YOUR FAMILY TOMORROW WITH THIS DELICIOUS STREUSEL-FILLED COFFEE CAKE! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published January 17, 1940.

17,840.—*Title:* GIRL AND BOY FIND BRAND-NEW JOY. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published January 7, 1940.

17,841.—*Title:* MEADOWS WASHER. For Washing Machines. THE MEADOWS CORPORATION, Chicago, Ill. Published November 30, 1939.

17,842.—*Title:* LUCKY ME! LACE FOUR-LEAF CLOVER HOSIERY. For Hosiery. SAMUEL A. ROTH, doing business as Samuel A. Roth & Co., Cleveland, Ohio. Published December 20, 1939.

REISSUES

FEBRUARY 20, 1940

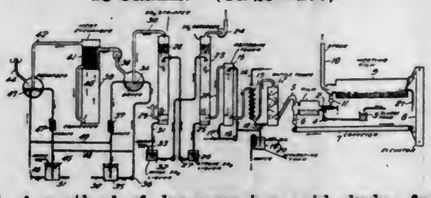
21,357

PRODUCTION OF SO_2 FROM ACID SLUDGE

Frank J. Bartholomew, Westfield, N. J., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware

Original No. 2,028,713, dated January 21, 1936, Serial No. 700,757, December 2, 1933. Application for reissue September 9, 1938, Serial No. 229,149

15 Claims. (Cl. 23—177)



1. A method of decomposing acid sludge from the sulfuric acid purification of hydro-carbonaceous material to yield a gas containing SO_2 substantially free from H_2S, which comprises thoroughly mixing the sludge with a stream of highly heated finely divided solid particles, the amount and temperature of the solid particles being sufficient to decompose the sludge and to form a coke-like solid residue in intimate admixture with the finely divided heated particles, continuously removing the SO_2 gas produced from the zone of reaction, removing the carbonaceous residue from the zone of reaction and burning the carbonaceous residue in order to reheat the solid particles contained therein and reusing at least a major portion of the reheated material.

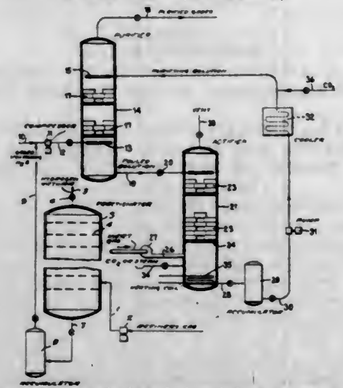
21,358

PURIFYING GASES

Horace B. Cooke, Alexandria, Va., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,134,507, dated October 25, 1938, Serial No. 63,493, February 12, 1936. Application for reissue April 22, 1939, Serial No. 269,477

2 Claims. (Cl. 23—3)



1. A method of desulphurizing gases obtained from oil refinery operations which comprises separating hydrogen and methane from said gases to obtain normally gaseous hydrocarbons containing at least two carbon atoms per molecule therefrom, passing said normally gaseous hydrocarbons through a treating zone at a temperature sufficiently low and at a pressure sufficiently high to maintain said gases in liquefied condition, intimately contacting said gases while in liquefied state in said treating zone with a sodium carbonate solution capable of reacting with sulphur-containing compounds in said liquefied gas, separating the thus treated liquefied hydrocarbons from the sodium carbonate solution containing the sulphur compounds, passing the sodium carbonate solution containing the sulphur compounds to an activation zone and therein treating it to remove sulphur compounds at a lower pressure than that in said treating zone but not lower than atmospheric pressure to facilitate removal of sulphur compounds from the sodium carbonate solution and to reactivate the sodium carbonate solution for further use and returning the reactivated sodium carbonate solution thus obtained to said treating zone.

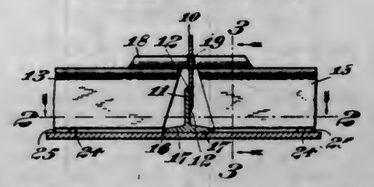
21,359

SHIP CONSTRUCTION

Hugo P. Frear, New York, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company, a corporation of Pennsylvania

Original No. 2,103,715, dated December 28, 1937, Serial No. 59,211, January 15, 1936, which is a division of Serial No. 735,923, July 19, 1934. Application for reissue April 8, 1939, Serial No. 266,910

5 Claims. (Cl. 114—79)



3. In a vessel, a plate member, a stiffener comprising an inner chord member cut through by said plate member in such a manner that the cut inner chord member is in proximity to but in spaced relation to said plate member on each side thereof, and a round tie rod piercing said plate member and welded water-tight to said plate member and welded to the cut ends of said inner chord member.

21,360

MANUFACTURE OF PAPER MAKER'S WIRE CLOTH

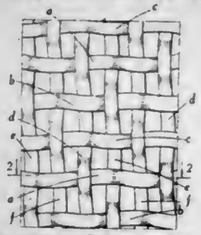
Willie Dunstan Theodore Green, Edinburgh, Scotland, assignor to The United Wire Works, Limited, Granton, Edinburgh, Scotland

Original No. 2,143,552, dated January 10, 1939, Serial No. 162,577, September 7, 1937. Application for reissue November 22, 1939, Serial No. 305,680. In Great Britain April 23, 1937

3 Claims. (Cl. 245—8)

1. The method of manufacturing paper maker's wire cloth which comprises the following steps: selection of round warp wire of suitable size and

material, selection of round weft wire of suitable material and of a diameter not less than the diameter of the warp wire, interweaving the warp and weft wires so that each warp wire passes over one and under two weft wires thereby forming warp knuckles and long sloping weft crimps, the warp and weft wires being interwoven in such ratio that the long weft crimps have crests in



substantially the same plane as the crests of the raised warp knuckles, and removing material from the raised projecting warp knuckles to bring them into the same plane with the crests of the long weft crimps and thereafter removing material from both the raised warp knuckles and the long weft crimps to produce flat spots level with one another on both the warp and weft wires.

21,361

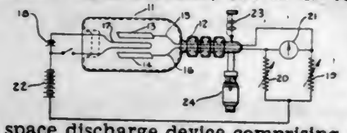
APPARATUS FOR THE DETECTION OF DISPLACEMENTS

Ross Gunn, Washington, D. C.

Original No. 2,155,419, dated April 25, 1939, Serial No. 114,111, December 4, 1936. Application for reissue December 12, 1939, Serial No. 308,883

12 Claims. (Cl. 250—27.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A space discharge device comprising an envelope enclosing at least three electrodes, said electrodes including at least one immovably mounted cathode and at least one movably mounted anode, the said three electrodes being mounted for simultaneous cooperation and being disposed to cause an increase in one anode cathode resistance simultaneously with a decrease in a like resistance, and means operable to impart rotational movement to at least one of said three electrodes to cause simultaneously thereamong a decrease in electrical resistance between the first and second electrode and an increase in electrical resistance between the first and third electrode.

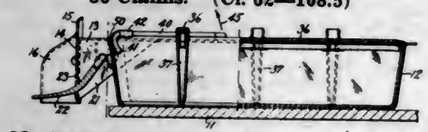
21,362

REFRIGERATION

Robert Lay Hallock, Larchmont, N. Y.

Original No. 2,009,802, dated July 30, 1935, Serial No. 660,001, March 8, 1933. Application for reissue July 23, 1937, Serial No. 155,269

36 Claims. (Cl. 62—108.5)



35. Apparatus for producing ice pieces comprising an ice tray and a removable grid located in said tray and defining compartments therein, said grid having a vertical backbone part extending continuously substantially the full length of the interior of the tray and double walled flexible lateral webs.

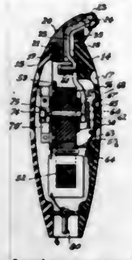
21,363

SHAVING DEVICE AND MOTOR THEREFOR

Raymond Knapp, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Original No. 2,077,329, dated April 13, 1937, Serial No. 106,527, October 20, 1936. Application for reissue December 5, 1938, Serial No. 244,101

14 Claims. (Cl. 30—43)



14. A shaving device comprising an elongated body forming a casing for shearing element operating mechanism, said casing being adapted to fit within the palm of the hand of a user of the shaver and to be held therein by the fingers of said hand, said casing terminating in a head portion having an axis curved upwardly and forwardly from the longitudinal axis of the casing and terminating at an obtuse angle to said longitudinal axis, said head portion having a back surface forming a substantially smooth flowing continuation of the back surface of said casing, and hair shearing elements supported by said head and having a shearing face at substantially right angles to the axis of said terminal end of said head, to assume, during the act of shaving, a natural position substantially flat against the skin of the user when said casing is separated therefrom by a distance substantially equivalent to the thickness of the user's fingers when held in the palm in the normal way with the adjacent surface of said casing substantially parallel to the skin.

21,364

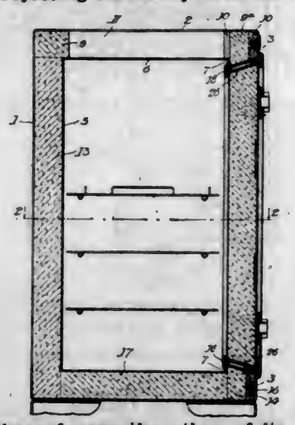
REFRIGERATOR

Carl E. L. Lipman, Kenilworth, Ill., assignor, by mesne assignments, to Will Freeman, Chicago, Ill.

Original No. 2,076,821, dated April 13, 1937, Serial No. 623,078, July 18, 1932. Application for reissue October 24, 1938, Serial No. 236,828

8 Claims. (Cl. 220—9)

8. A refrigerator cabinet having a storage chamber therein provided with a door for closing the chamber, said door comprising an inner metal wall having an edge portion, an outer metal wall spaced from said inner wall and also having an edge portion, heat insulation between said walls, the edge portion of one of said metal walls being bent to form a hook extending therealong, a breaker strip composed at least in part of resilient rubber and having a substantially flat wide main body portion bridging the gap between the spaced apart edges of the metal walls and forming an exposed closure for the space therebetween, said rubber part of said strip being provided with an integral flexible portion projecting outwardly from the main body portion thereof near one of its edges and forming a groove to interlockingly engage the hook along the edge of said one metal wall, said rubber part of said strip also being provided with an integral flexible portion projecting outwardly from the main body



portion thereof near the other of its edges and adapted to interlockingly engage the edge portion of the other metal wall to form a connection between said door walls, and a flexible gasket seal formed integral with said rubber part of said strip and adapted to engage the refrigerator cabinet to provide an air-tight seal for said storage chamber when the door is closed.

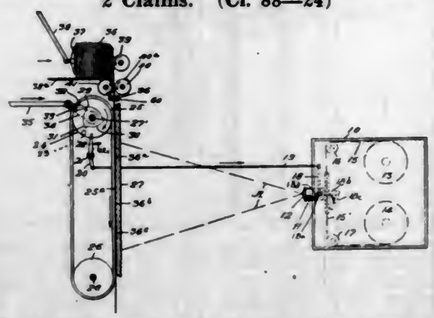
21,365

PHOTOGRAPHING APPARATUS

George Lewis McCarthy, Rye, and Abraham Novick, Flushing, N. Y.; said Novick assignor to said McCarthy

Original No. 1,748,489, dated February 25, 1930, Serial No. 18,075, March 25, 1925. Application for reissue April 11, 1935, Serial No. 15,916

2 Claims. (Cl. 88—24)



2. In apparatus for making a miniature photographic record of a series of checks, in combination, a camera provided with a continuous strip of film, an endless check carrying conveyor means traveling across the field of view of the camera for passing the checks successively widthwise into, through, and out of said field of view under uniform and positive control, a rotary cylinder driving the conveyor means, means for holding the checks firmly and smoothly against the said conveyor means in transit and during photographing with said conveyor means constituting a backing for the checks, said holding means being interposed between the checks and the camera without offering any substantial obstruction to the camera, said conveyor means being of relatively frictional material and said holding means of relatively anti-frictional material, oscillatable means mounted adjacent the cylinder and biased to a normal position with reference to the cylinder, means actuated by the cylinder and disposed adjacent the periphery thereof for causing the said oscillatable means to be operated in response to rotation of the cylinder through an angle corresponding to a continuous check feeding movement of the conveyor means at least equal in extent to the width of a check to perform a cycle of movement from its normal position to a second position and back to normal position, and devices operable by said oscillatable means during such cycle of movement to cause the film to be fed and the check to be photographed.

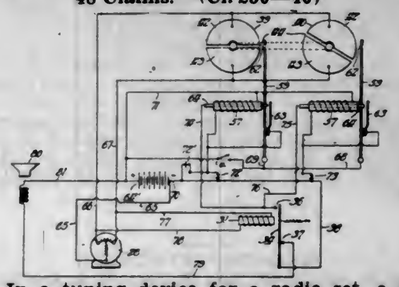
21,366

AUTOMATIC ELECTRICAL RADIO BROADCAST AND WAVE SELECTOR

Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois

Original No. 2,114,068, dated April 12, 1938, Serial No. 390,064, September 3, 1929. Renewed November 17, 1937. Application for reissue May 11, 1939, Serial No. 273,150

48 Claims. (Cl. 250—40)



3. In a tuning device for a radio set, a controller connected to a tuning shaft and including spaced conductors movable therewith and a plurality of contact members in fixed locations relative to the conductors, electric circuits connected to the conductors, contiguous ends of conductors forming a recess, whereby one of the contact members may be projected into said recess to simultaneously complete the electric circuits.

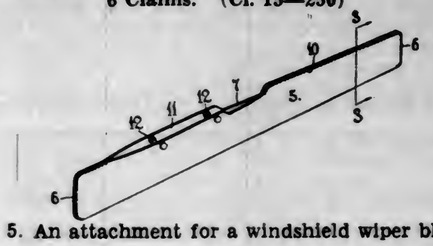
21,367

ATTACHMENT FOR WINDSHIELD WIPERS

Maurice L. Ryan, St. Paul, Minn., assignor, by mesne assignments, to Trico Products Corporation, a corporation of New York

Original No. 2,141,023, dated December 20, 1938, Serial No. 166,549, September 30, 1937. Application for reissue November 16, 1939, Serial No. 304,875

6 Claims. (Cl. 15—250)



5. An attachment for a windshield wiper blade

having an arm connecting device projecting from its back, comprising a tubular body formed entirely from flexible absorbent material and opened at one end portion for the insertion of the blade lengthwise into the opposite end portion to completely enclose the blade, said body being adapted to be flexed throughout to receive a charge of liquid cleaning composition and having an opening in its back through which the arm connecting device interlockingly projects.

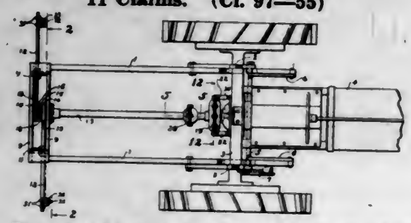
21,368

WATER BLOCK OR DAM FORMING DEVICE

Russell H. Smith, Quanah, Tex., assignor of one-half to Alfred A. Lindsey, ten per cent to Robert R. McDaniel, and one per cent to Earl Stine, all of Quanah, Tex.

Original No. 2,043,075, dated June 2, 1936, Serial No. 18,019, April 24, 1935. Application for reissue April 23, 1937, Serial No. 138,672

11 Claims. (Cl. 97—55)



9. In a machine for building dams in furrows, the combination of a draft vehicle having a power take-off shaft, a frame connected with said draft vehicle, one or more dam forming shovels mounted on the frame for movement relative thereto, and means for operating said shovel or shovels from the power take-off shaft of the draft vehicle.

21,369

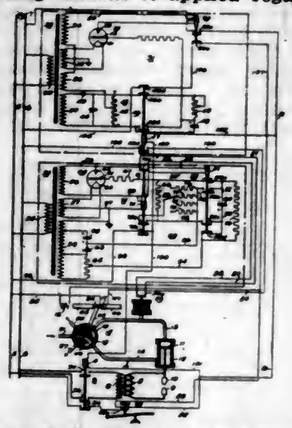
WELDING APPARATUS

Ralph N. Stoddard, East Orange, N. J., and Edwin H. Vedder, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 2,134,538, dated October 25, 1938, Serial No. 720,210, April 12, 1934. Application for reissue November 29, 1939, Serial No. 306,714

16 Claims. (Cl. 219—4)

1. Spot welding apparatus comprising, in combination, a pair of relatively movable welding electrodes for engaging work means including manually operable switching means and pressure fluid supply means controlled by said switching means for moving said electrodes into engagement with the work under pressure on the operation of said switching means, means, operable by the pressure of said fluid, for applying welding current to said electrodes for a predetermined time interval after a predetermined pressure is applied to the work, and means for preventing the relaxation of the pressure applied to said work or the reapplication of pressure to said work for a predetermined time interval after welding current is applied which is equal in length at least to said predetermined time interval during which welding current is applied regardless of



the number and character of operations of said switching means after the said operation.

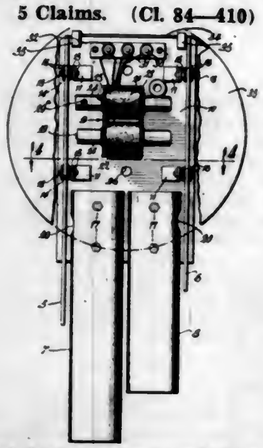
21,370

MUSICAL CHIME

Lowell M. Alexander, Cincinnati, Ohio, assignor to Nutone Chimes Inc., New York, N. Y., a corporation of New York

Original No. 2,133,911, dated October 18, 1938, Serial No. 167,787, October 7, 1937. Application for reissue October 7, 1939, Serial No. 298,477

5 Claims. (Cl. 84—410)



1. A signal device comprising a base, vibratable bars suspended on one or more of their respective nodal portions on said base in spaced relationship, a striker unit mounted on the base between said bars and including elements for striking the respective bars, said elements arranged to strike the bars at anti-nodal portions, resonator tubes attached to the base and depending therefrom in parallelism with the respective bars, said resonator tubes including openings disposed adjacent to depending anti-nodal portions of the bars.

PATENTS

GRANTED FEBRUARY 20, 1940

2,190,640

COMPUTING SCALE

Armando Araujo, Merrick, N. Y.

Application June 2, 1938, Serial No. 211,469

5 Claims. (Cl. 40—113)



1. In a device of the character described, a stationary disc having a row of figures around the periphery thereof indicating the days in the year, a plurality of rows of figures inside said first mentioned row indicating the date of the next expected menstruation, each row corresponding to a different length cycle of menstruation, a movable disc adapted to cover all but the outermost row of figures, a pointer on said movable disc adapted to be aligned with any figure in said outermost row, and aligned openings adapted to reveal only the figures in the other rows which correspond to the date in the outer row to which said pointer is set so that the date of the next menstruation is shown.

2,190,641

GLASS CUTTING MACHINE

George W. Burroughs, Ridgewood, N. Y.

Application October 5, 1937, Serial No. 167,343

7 Claims. (Cl. 33—28)



1. In a machine of the class described, in combination, a rotating pattern, a pivoted arm, and a pattern follower carried by said pivoted arm, said pattern follower comprising a threaded shaft, an internally and externally threaded sleeve threaded on said threaded shaft and an operating member carried by the threaded shaft for rotating it within the threaded sleeve.

2,190,642

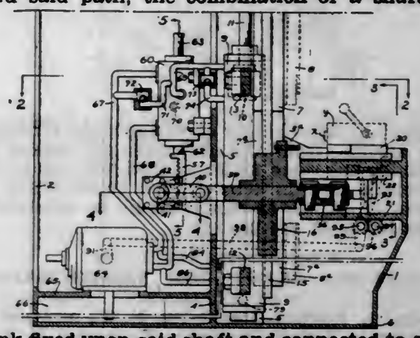
SURFACE BROACHING MACHINE

Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 26, 1937, Serial No. 150,488

15 Claims. (Cl. 90—33)

1. In a machine having a slide for carrying a tool, means for moving said slide along a predetermined path, a work carriage movable at right angles to the path of said tool, and a stop for limiting the movement of said carriage toward said path, the combination of a shaft, a



crank fixed upon said shaft and connected to said carriage for moving it against and away from said stop during rotation of said shaft, and means for rotating said shaft in sequence with the operation of said slide moving means.

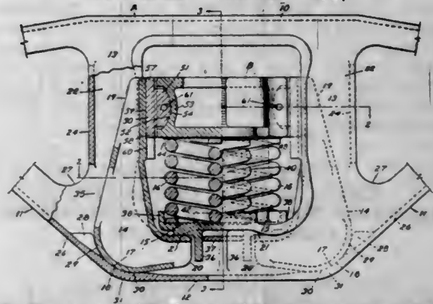
2,190,643

CAR TRUCK

Roy C. Hobson, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application October 23, 1937, Serial No. 170,588

18 Claims. (Cl. 105—193)



1. In a car truck, a side frame comprising compression and tension members and spaced integral columns connecting said members and providing a bolster receiving window therebetween, a bolster extending into said window, said bolster having friction surfaces, spring means supported by said side frame beneath said bolster for supporting the same, and rocker means engaging said surfaces and carried within the side walls of said tension member for supporting part only of said spring means.

2,190,644

TREATMENT OF SOY BEAN MEAL BY FERMENTATION

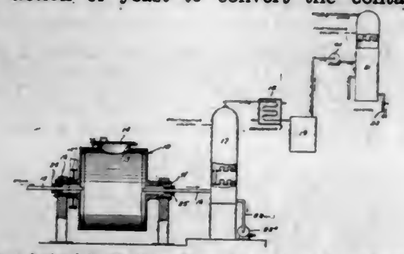
Francis G. Rawling, Piedmont, W. Va., assignor to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware

Application June 16, 1937, Serial No. 148,435

3 Claims. (Cl. 195—5)

1. In the manufacture of protein from soy

beans, the method of preparing a purified soy bean residue of high protein content, said method comprising the steps of subjecting soy bean meal from which the oil has been extracted, to the action of yeast to convert the contained



sugars into alcohol and carbon dioxide, removing the alcohol from the unfermented residue by steaming the same under applied vacuum as will prevent a rise in temperature substantially in excess of 85° C. as would result in substantial degradation of the protein.

2,190,645

SPREADING AGENT FOR PHOTOGRAPHIC EMULSIONS

George L. Boomer, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 29, 1937 Serial No. 182,303

7 Claims. (Cl. 95—9)

1. A photographic film comprising a support having thereon a subbing layer containing gelatin, and over said subbing layer a gelatin emulsion layer containing as a spreading agent a compound selected from the group consisting of mono-esters formed from a polyhydroxy alcohol containing less than six hydroxyl groups and a higher fatty acid containing from eight to fifteen carbon atoms, esters formed from a monobasic hydroxy acid and a higher fatty alcohol containing from eight to fifteen carbon atoms, and mono-ethers formed from a polyhydroxy alcohol containing less than six hydroxyl groups and a higher fatty alcohol containing from eight to fifteen carbon atoms.

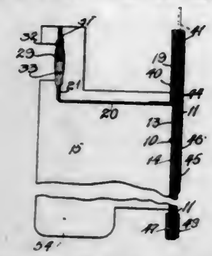
2,190,646

OPTICAL DEVICE

Ellis M. Branson, Orlando, Fla.

Application May 21, 1937, Serial No. 143,923

4 Claims. (Cl. 88—29)



1. In a device of the character described, a mailing piece, a hinged wing on the mailing piece, a pair of lenses carried by said wing adapted to be disposed in spaced relation to the mailing piece and contiguous thereto, laterally disposed wings on said mailing piece arranged to be folder over said first wing to retain the lenses contiguous to the mailing piece and turnable to substantially right angled relation to the mailing piece to engage said hinged wing to support said lenses in spaced relation to the mailing piece, means for interconnecting said laterally disposed wings in said latter position, and indicia carried by the mailing piece adapted to be viewed by the lenses in the latter position.

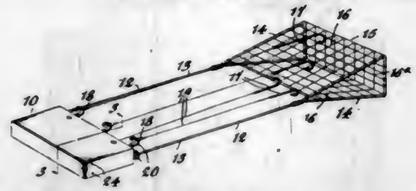
2,190,647

FISHHOOK HOLDER

Harold C. Buicke, North Tonawanda, N. Y.

Application January 30, 1939, Serial No. 253,588

7 Claims. (Cl. 43—32)



1. A holder for snelled hooks comprising a frame including means at one end to which the snells are connected, a reticulated enclosure disposed at the opposite end of said frame in operative relation to said first-named means and with which the hooks are engageable at various distances from said first-named means and into which the hook-points are adapted to extend to prevent their exposure, and resilient means for permitting said first-named means to yield during application of the hooks to the holder and which are adapted to hold said snells taut.

2,190,648

LUBRICATION OF ALLOY BEARINGS

Troy Lee Cantrell, Lansdowne, Pa., and James Otho Turner, Bartlesville, Okla., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 9, 1936, Serial No. 84,387. Renewed August 5, 1938

2 Claims. (Cl. 87—9)

1. A method of lubricating bearing surfaces in internal combustion engines when subjected to conditions of operation which comprises maintaining between bearing surfaces, one of which is an alloy formed chiefly of a metal selected from the class consisting of cadmium and copper, a film of lubricating oil which initially produces an effective lubricating action but which would normally tend to corrode the aforesaid alloy, and maintaining the effectiveness of the lubricating oil by incorporating therein a reaction product of a diaryl amine and sulphur in a small but sufficient proportion substantially to retard the corrosion.

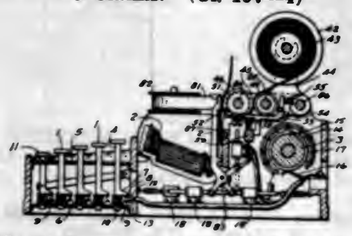
2,190,649

SOLENOID CRYPTOGRAPHIC TYPEWRITER

Paul T. Carew and William F. Werner, Orange, N. J.

Application May 18, 1936, Serial No. 80,389

3 Claims. (Cl. 197—4)



1. Means for causing the keys of a typewriter to operate a plurality of type bars consisting of a plurality of rings on a roller, means electrically connecting the keys to the rings and a plurality of contact points positioned about said rings and adapted to be engaged by a cam surface thereon, said plurality of contact points connected to operating means for the respective type bars.

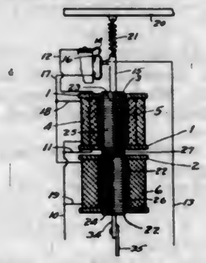
2,190,650

DOUBLE SOLENOID

Paul T. Carew and William F. Werner, Orange, N. J.

Original application May 18, 1936, Serial No. 80,389. Divided and this application September 26, 1936, Serial No. 102,780

1 Claim. (Cl. 175—341)



A solenoid divided into two parts comprising two coils in axial alignment, and a common core extending through both of said coils, said core formed of laminated discs in a tubular casing, with a radial longitudinal slot extending through a plurality of the discs at each end of the core, and with the slot at one end oppositely positioned in diametric relation to the slot at the other; said solenoid characterized in that one of said coils comprises two concentric windings forming an inner and an outer coil, and in combination with said solenoid a plurality of contacts positioned to be engaged by a contact point on the core, and a spring for drawing the core outward to a position at which the core contact point is in engagement with one of said contacts when the solenoid is deenergized; said solenoid further characterized in that the contact engaged by the contact point of the core with the solenoid deenergized is connected to the said inner coil of one of the said coils and adapted to energize the said inner coil only momentarily whenever current is supplied to the device, said inner coil adapted to start the movement of said core so that the contact point of the core will engage another contact to energize the outer coil of the coil containing an inner and outer coil, and also the other coil of said solenoid, thereby providing a starting movement and then an accentuated movement of said core.

2,190,651

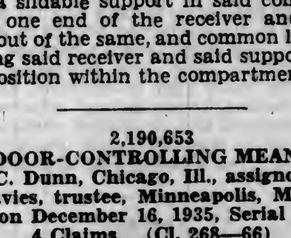
PINKING MACHINE

Bernard B. Chester, Kingston, and Otto A. Trnka, Saugerties, N. Y.

Application December 31, 1938, Serial No. 248,838

8 Claims. (Cl. 112—122)

1. A pinking attachment for sewing machines including a construction arranged beneath the bed plate of the sewing machine, except the pinking head and the throat plate, said construction including said throat plate having a V-shaped notch formed so that the walls of the notch will present shearing members, and a pinking head having a V-shaped portion formed with shearing walls coacting with the shearing walls of said throat plate, a lever for moving said pinking head upwardly and downwardly, means driven by the driving mechanism of the sewing machine for moving said lever and pinking head



downwardly whereby the pinking head will function in time with the needle of the sewing machine, and spring means for moving said lever and pinking head upwardly.

2,190,652

HOUSEHOLD CABINET

Pasquale L. Cimini, Buffalo, N. Y.

Application May 20, 1936, Serial No. 80,761

Renewed May 5, 1939

4 Claims. (Cl. 312—146)

1. A cabinet of the character described, comprising a body having a compartment therein, a receiver hinged to the open end of said compartment and movable into and out of said compartment and having inlet and discharge openings therein, a slidable support in said compartment adjacent one end of the receiver and movable into and out of the same, and common lock means for locking said receiver and said support in their housed position within the compartment.

2,190,653

DOOR-CONTROLLING MEANS

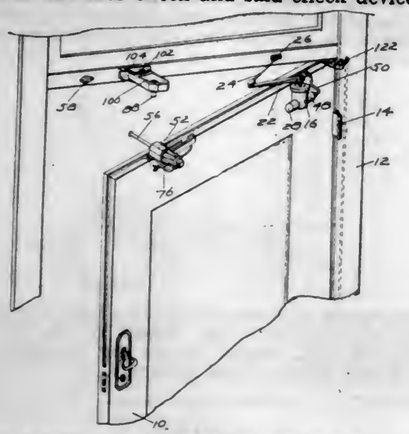
Andrew C. Dunn, Chicago, Ill., assignor to O. N. Davies, trustee, Minneapolis, Minn.

Application December 16, 1935, Serial No. 54,657

4 Claims. (Cl. 268—66)

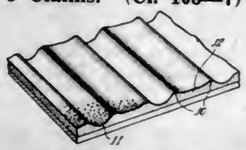
1. Door-controlling means comprising, in combination with a door, and its casing, a door check connected between the door and casing and having an arm and a link forming said connection, and which door check includes a power means for rocking said arm to open the door, a check device operable between the door and casing during the last part of the closing movement and the first part of the opening movement of the door and which yieldingly retards the final closing movement of the door and which is operable by power to give an opening push to the door, a door closing device engageable between the door and its casing and operable to force the door closed while said check device is retarding the closing of the door and which includes a spring which is tensioned by the opening of the door,

and common control means for the power operation of the door check and said check device to



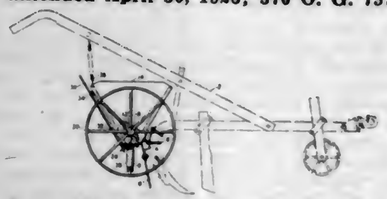
cause synchronized operation thereof to open the door.

2,190,654
ROOFING
Frank G. Eichhorn, Chicago, Ill., assignor to The Lehon Company, Chicago, Ill., a corporation of Illinois
Original application March 8, 1937, Serial No. 129,587. Divided and this application April 29, 1938, Serial No. 205,029
5 Claims. (Cl. 108—7)



4. A shingle strip or the like comprising in combination a base sheet coated with asphalt and having granular surfacing material embedded therein, the depth of said strip corresponding to that of a shingle and its width corresponding to the combined widths of a plurality of shingles, said strip having alternate plain and grooved shingle areas each extending from the upper to the lower edge of the strip, the grooves in said grooved areas having relatively broad rounded bottoms and extending vertically of the unit and being relatively close together to give the grooved areas a corrugated appearance.

2,190,655
DISTRIBUTOR
Carl G. Filler, Knoxville, Tenn.
Application May 26, 1938, Serial No. 210,199
4 Claims. (Cl. 111—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



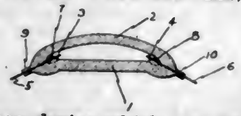
1. In combination with a plow, having a beam and a share attached to said beam, a distributor assembly comprising a hopper, a ground wheel at each end of the hopper, a rotary axle positioned in the lower portion of the hopper and connected to the ground wheels for rotation thereby, an adjustable discharge opening in the bottom of the hopper, an agitator placed in juxtaposition with the discharge opening and connected to the rotary axle, a distributing tube communicating with the discharge opening, and a furrow opening share in front of the distributing tube; means for pivotally securing the front of the distributor assembly to the beam to permit rotation of the assembly in an approximately vertical plane coincident with the rotary axle; and variably tensioned means for supporting the rear of the distributor assembly from the beam.

2,190,656
INSECTICIDE
Fred W. Fletcher, George E. Lynn, and Frank B. Smith, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 14, 1939, Serial No. 256,316
5 Claims. (Cl. 167—30)

1. An insecticidal composition containing as a toxic ingredient a liquid reaction product of pinene and diphenyloxide.

2. An insecticidal composition containing as a toxic ingredient a liquid reaction product of turpentine and diphenyloxide.

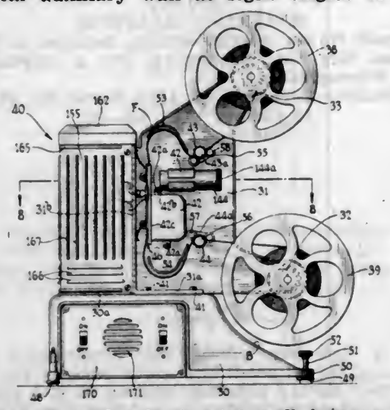
2,190,657
DISCHARGE DEVICE
Edmund Germer, Berlin-Wannsee, Germany
Application November 30, 1937, Serial No. 177,210
In Germany December 1, 1936
1 Claim. (Cl. 176—122)



A vapor arc device which comprises a sealed tube having an interior bore smaller than would be occupied by an arc burning unconfined under conditions similar to those attainable within the tube during continuous operation, whereby said tube is adapted to confine the arc therein, solid activated electrodes fixed at opposite ends of said tube, the bore of the tube being enlarged near a point at which heat of the arc tends to concentrate and having its center line curvd upwardly between the electrodes, in-lead connections to the electrodes sealed through the tube, in a diagonally downward direction, whereby they are removed from excessive heating by the arc, and a filling adapted to provide an atmosphere for carrying the arc which includes a vaporizable material adapted by its evaporation to increase the pressure in the tube several atmospheres.

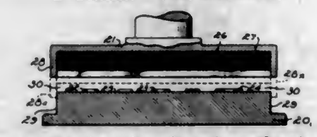
2,190,658
MOTION PICTURE PROJECTOR
Otto W. Githens and George Kende, New York, and Everett Melbourn Porter, Brooklyn, N. Y., assignors, by mesne assignments, to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application June 3, 1937, Serial No. 146,182
14 Claims. (Cl. 88—17)

1. In a motion picture projector, in combination, a motor housing having a top wall, a one-piece rigid support comprising a vertical main wall having flanges projecting in a plane substantially parallel to the plane of said main wall, a vertical auxiliary wall at right angles to said



main wall, and a horizontal wall interconnecting said vertical walls, said horizontal wall overlying said motor housing top wall, means for attaching said support to said compartment, projector mechanism mounted on said main wall and reel shafts journaled in said flanges.

2,190,659
APPARATUS FOR FORMING SHEET METAL
Henry E. Guerin, Beverly Hills, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Continuation of application April 18, 1936, Serial No. 75,114. Division of application September 9, 1935, Serial No. 39,696. Patent No. 2,055,077, dated September 22, 1936. Divided and this application January 26, 1939, Serial No. 253,113
1 Claim. (Cl. 113—44)

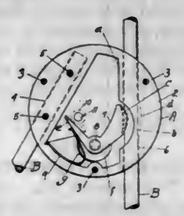


In an apparatus for forming sheet metal articles, a table member having a substantially flat and non-yieldable supporting surface, a head member above said supporting surface movable toward and from said table member, means to move said head member, a depending flange carried by said head member and forming a pocket or recess, a body of resilient flowable material disposed in said recess and secured to said head member, the body having a substantially flat exposed surface extending in a plane parallel to that of the supporting surface, and a forming block removably resting on said supporting surface and adapted to receive a sheet metal blank to be shaped thereon, said head member together with its attached flange and body of resilient flowable material when in inoperative position being well spaced from the supporting surface to allow ready access to the forming block and blank located on said supporting surface and rapid placement and removal therefrom, the flange being of substantially the same shape and size as the supporting surface so as to fit directly in telescoping relation therewith on relative movement of the head and supporting surface toward each other, the flange, flowable material, and non-yielding surface forming a hollow chamber when in telescopic engagement whereby when said table and said head member are brought together under pressure said body of flowable material will be compressed and constrained against outward expansion by said flanges and head member and will first press said sheet metal blank against said forming block by engagement of said substantially flat exposed surface therewith and upon application of further pressure will shape said sheet metal blank around said forming block.

2,190,660
"SULPHATE BLACK LIQUOR" TALLOEL ROSIN AND PROCESS OF MAKING THE SAME
Torsten Hasselstrom, New York, N. Y.
No Drawing. Application January 8, 1935, Serial No. 845
4 Claims. (Cl. 260—107)

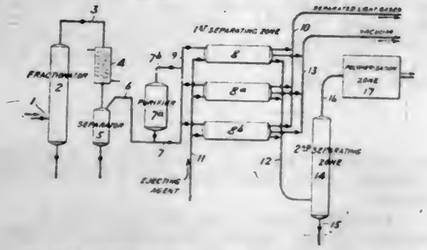
3. The process for producing solid talloel rosin from crude talloel soap of sulphate black liquor which comprises reacting crude talloel soap with an aqueous solution more acid than carbon dioxide to form a liquid mass containing liquid crude talloel, removing said liquid crude talloel from the aqueous mass, crystallizing colophonic acids contaminated by oxidized colophonic acids, higher fatty acids, ligneous matter, odorous bodies and sterols to form solid crude talloel rosin having an acid number about 176 and containing a resin acid having an elemental formula approximating $C_{20}H_{30}O_2$ and having a positive sign of optical rotation and separating higher fatty acids, ligneous matter, odorous bodies and sterols from said solid crude talloel rosin whereby a refined solid talloel rosin containing the aforesaid resin acid is obtained.

2,190,661
CABLE LOCK
Arthur Hauer, Detroit, Mich.
Application May 13, 1938, Serial No. 207,775
2 Claims. (Cl. 70—49)



1. A cable lock comprising a flexible metal cable, a suitable thin metal lock casing fixedly attached to one cable end, said casing being formed with an open cable channel therethrough for receiving the free cable end therein, a cable locking cam formed with a central bearing hub and a side operating arm, pivotally mounted within said casing with the cam outer end positioned to engage the free cable end within the cable channel, said casing also being formed with a cylindrical bearing shoulder opposite the locking cam arm and concentric with the cam bearing hub and engagable therewith, a cam spring mounted in the casing positioned to engage the cam operating arm and force the outer cam end against the cable, and a release key mountable rotatably within said casing designed to engage the operating arm and release the cam from the cable walls.

2,190,662
PREPARATION OF GASES FOR POLYMERIZATION
Eugene J. Houdry, Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application May 1, 1935, Serial No. 19,159
4 Claims. (Cl. 196—10)



1. In the preparation of hydrocarbon gases for polymerization from a gaseous source material which is substantially free of entrained liquid and low in sulfur compounds, and which contains unsaturated hydrocarbons and some saturated hydrocarbons within the two, three and four carbon groups along with both higher and lower boiling materials, the steps of process which comprise passing the gaseous source material over an adsorptive contact mass capable of retaining hydrocarbons of the two carbon group and heavier, periodically interrupting the flow of the said gaseous source material to said adsorptive mass and passing an inert gaseous agent thereinto at a pressure substantially above that at which said gaseous source material is supplied thereto, so as to eject the adsorbed hydrocarbon gases therefrom in a stream under desired pressure, then removing from the said stream of ejected gases hydrocarbons of the five carbon group and heavier while leaving substantially all of the remaining gases uncondensed, passing a stream of the last-mentioned uncondensed gases under the pressure imposed by said gaseous ejecting agent into a confined zone maintained under conditions so as to effect a polymerization of unsaturates in the last named stream, and performing the above steps in the order recited, so as economically to prepare a high grade gaseous charge for polymerization under pressure and consisting substantially only of hydrocarbons within the two, three and four carbon groups.

2,190,663
SPRING BEARD KNITTING NEEDLE
Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application August 23, 1938, Serial No. 226,365
6 Claims. (Cl. 66—119)



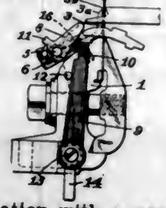
1. A spring beard knitting needle for forming fabric loops having the usual eye or recess in its front side to receive the spring beard, and an eye or recess in its back edge to receive a cooperative implement.

2,190,664
KNITTING MACHINE
Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application December 28, 1937, Serial No. 182,115
12 Claims. (Cl. 66—96)



1. A welt bar having welt hooks with eyes terminating adjacent the lower edge of the bar, said bar having notches, leading to the eyes of the welt hook, defined by parallel walls with guide walls diverging from each other outwardly of the bar, and forming continuations of the said parallel walls providing outwardly flaring recesses for receiving the needle ends and guiding them to the eyes of the welt hooks.

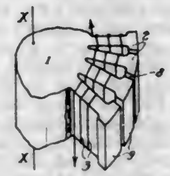
2,190,665
KNITTING MACHINE
Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application January 10, 1938, Serial No. 184,329
11 Claims. (Cl. 66—90)



1. In combination with a needle bar of a full fashioned knitting machine, a row of needles carried thereby, including those located at the points in the needle row where the wales adjacent the inner selvages of the heel tabs are knit and which have an eye in the back surface thereof, and fingers movably mounted on the needle bar to be adjusted to and from the needles having said eyes, said fingers having points to enter the eyes of said needles, the loops formed by said needles being enlarged by the combined thickness of the fingers and the needles adjacent which they lie, substantially as described.

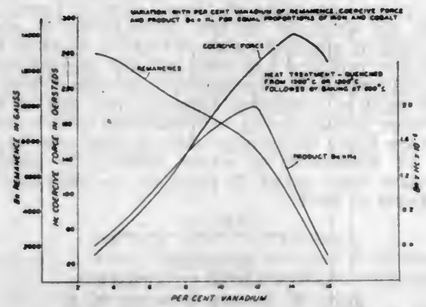
2,190,666
SOUND TRANSMITTER AND SOUND RECEIVER ACTUATED BY MAGNETO-STRICTIVE FORCES
Friedrich Wilhelm Kallmeyer, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass.
Application July 2, 1935, Serial No. 29,576
In Germany July 4, 1934
5 Claims. (Cl. 177—386)

3. Means for transmitting and receiving sound waves of high frequencies comprising a plurality of laminated elements packed together to form a body having radial arms extending outward from a central core, said arms being of magneto stric-



tive material and coil means surrounding said arm elements for generating a magnetic flux therein, the ends of said radial arms being exposed to the sound propagating medium.

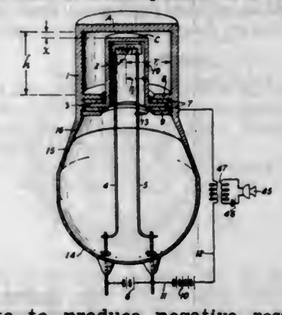
2,190,667
PERMANENT MAGNET ALLOY
George A. Kelsall, Belleville, N. J., and Ethan A. Nesbitt, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1938, Serial No. 201,058
5 Claims. (Cl. 148—13)



1. A process of manufacturing a permanent magnet article of high toughness and a product of coercive force in oersteds and remanence in gauss greater than 10^6 which comprises treating a body of an alloy comprising 30 to 52 per cent iron, 36 to 62 per cent cobalt, and 6 to 16 per cent vanadium, minor constituents not being excluded, at 800° to 1300° C., thereafter cooling said material to considerably below 600° C. and thereafter maintaining said body around 600° C. for a period of hours and thereafter magnetizing the body to the required extent.

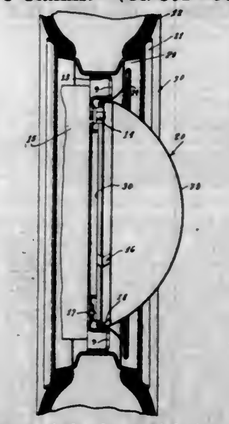
2,190,668
DIODE OSCILLATOR
Frederick B. Llewellyn, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1937, Serial No. 156,647
29 Claims. (Cl. 250—36)

29. A diode oscillator comprising two equidistant surfaces contained in an evacuated space, in combination with structure adapted to constitute with said surfaces a conducting resonant cavity which simulates within itself as to function, a resonant inductor-capacitor organization tuned to the frequency of the produced oscillations, the electrical and physical dimensions of the oscillator as a whole being such that the electron transit time between said surfaces in relation to the resonant period of said cavity is



appropriate to produce negative resistance in said cavity at said frequency.

2,190,669
WHEEL DISK STRUCTURE
George Albert Lyon, Detroit, Mich.
Application January 15, 1936, Serial No. 59,276
8 Claims. (Cl. 301—37)

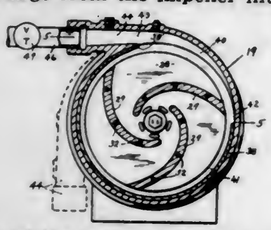


1. An ornamental wheel disk for disposition inwardly of a wheel rim, comprising a central crown part and an outer annular part secured to said crown part, said parts having inwardly disposed connected marginal portions disposed in telescoping relation and interlocked by a rolled edge.

2,190,670
CENTRIFUGAL PUMP
John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application July 9, 1937, Serial No. 152,801
2 Claims. (Cl. 103—97)

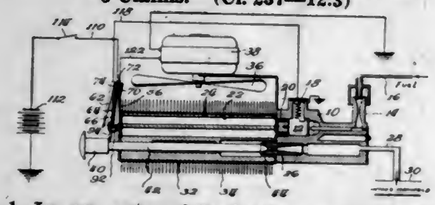
1. In a pump of the class described, the combination of a casing having a bore defining a peripheral flange, a discharge outlet from said casing, a volute formed in said flange and connected to the discharge outlet, a rotatable impeller having a suction inlet adjacent its center, operable in said casing and discharging liquid peripherally into said volute, a cover plate having a suction inlet in registry with the suction inlet of said impeller, said cover plate having its periphery secured to the casing flange, a flange integral with said cover plate and extending only part way around the cover plate, said flange forming a shroud around the impeller and in-

sertable in said bore, with the flangeless portion of said cover plate normally in registry with said volute portion of the casing so that liquid may freely discharge from the impeller into said vo-



lute portion of the casing, said cover plate being shiftable with respect to the casing so as to change the position of the flange on the cover plate with respect to the casing volute and thereby vary the characteristics of the pump.

2,190,671
AUTOMOBILE HEATING SYSTEM
Henry J. De N. McCollum, Evanston, Ill.
Application April 6, 1938, Serial No. 200,317
6 Claims. (Cl. 237—12.3)



1. In an automobile heater of the internal combustion type, the combination of a combustion chamber, electrical ignition means associated with said chamber for igniting a combustible mixture of liquid fuel and air therein, a radiator receiving the products of combustion from said chamber, means for withdrawing said products of combustion from said radiator under reduced pressure, a manually operable valve for controlling the flow of the products of combustion through said radiator, an electric motor, a fan driven thereby for circulating air past said radiator, and a switch mechanism for controlling the supply of electrical energy to said fan motor and to said igniter, said switch mechanism comprising a rigid contact arm, a resilient contact arm normally held from engagement with said rigid contact arm by said manually operable control element and completing an electrical circuit to said igniter when said control element is moved to position to cause operation of the heater, a bimetallic thermostatic switch arm cooperable with said resilient switch arm to complete an electrical circuit for supplying power to said fan motor and operable when said radiator attains a predetermined temperature to move said resilient switch arm from contact with said rigid switch arm and thereby open the circuit to said electrical igniter.

6. In a switch device, the combination of a manual control element movable into at least two positions, a support, a relatively rigid contact arm, a resilient contact arm, and a bimetallic contact arm, all of said arms supported by said support and electrically insulated therefrom and from each other, a contact point on said rigid arm, a second contact point on said resilient arm and facing the first said contact point, said second contact point adapted to touch the first said contact point when said resilient arm is free, a third contact on said bimetallic arm and a fourth contact supported by said resilient arm, said manual control when in one position adapted to engage and flex the resilient arm away from the rigid arm and in a second position to be removed from contact with the resilient arm and allow the first and second of said contacts to close, said bimetallic arm when heated adapted to close the third and fourth of said contacts and upon further heating to flex the resilient arm away from the rigid arm and open said first and second contacts while maintaining the third and fourth contacts closed, said bimetallic arm on cooling adapted to close the first and second of said contacts when the manual control element is in said second position and to separate all contacts when said control is in its one position.

2,190,672
WATER-SOLUBLE PHENOL-ALDEHYDE RESINS
Virgil E. Meharg, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 14, 1936, Serial No. 68,915
10 Claims. (Cl. 260—30)

1. Composition of matter comprising a synthetic resinous material, said material consisting of the product from the reaction of a member of the group consisting of phenol and its homologs with an aldehyde in the presence of a small amount of alkaline catalyst to give a pH of the reaction mixture not substantially greater than 10, said material containing from about 1.10 to 1.75 mols of combined aldehyde per mol of the member of said group, said material after manufacture being inherently water soluble and capable of remaining in water solution in greater dilution than about 30 parts of the material to 70 parts of water.

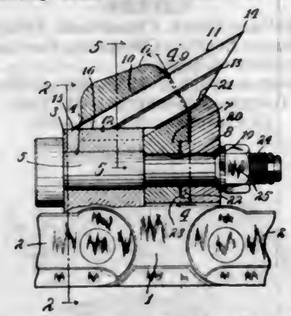
2,190,673
INSECTICIDAL SPRAY
John W. Orelup, Summit, N. J.
No Drawing. Application December 9, 1937, Serial No. 178,881
1 Claim. (Cl. 167—43)

An anti-parasitic spray for application to plants, comprising an emulsion, with a large excess of water, of mineral oil of low sulfatable residue type, containing as the emulsifying agent a condensation product of approximately molal quantities of cocoanut fatty acids with polyethylene glycols having more than 2, but less than 5 ethylene glycol groups, the ratio of the water content to the emulsifying agent being of the order of magnitude of 500.

2,190,674
CUTTER CHAIN
Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 21, 1936, Serial No. 60,081
7 Claims. (Cl. 262—33)

1. In a cutter chain, a chain block having a lateral lug, a detachable bit holder having an outwardly and forwardly inclined opening for receiving a cutter bit, a double-ended reversible cutter bit receivable in said holder opening, said cutter bit at its opposite ends having cutting faces terminating in cutting points, means for securing said holder on the block lug with the inactive cutting face of the bit resting on an

outer surface of the lug, and means for selectively locating said holder and bit in different



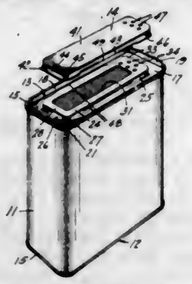
relatively inclined positions laterally with respect to the lug.

2,190,675
DISPLAY RACK
Robert Patterson, St. Louis, Mo.
Application December 21, 1936, Serial No. 116,871
7 Claims. (Cl. 35—53)



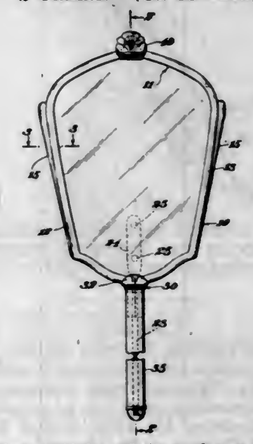
1. A display rack comprising an open frame having an inwardly opening groove extending around the opening defined by said frame, and separate display panels mounted in said opening with their marginal edges seated in said groove, said panels consisting solely of flexible roofing disposed back to back, whereby each of said panels constitutes a supporting panel for the other panel.

2,190,676
SIFTER TOP CONTAINER
Edmond J. Perry, Joliet, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 7, 1938, Serial No. 212,368
2 Claims. (Cl. 221—62)



1. A sifter top container, comprising in combination, a body, an end member secured to said body, a raised elongated panel in said end member, said panel having a flat top provided with an elongated opening through which the contents of the container may be removed in bulk form and having vertical oppositely disposed side walls formed with outwardly extended beads the upper edges of which are substantially flush with the top of the panel, and an elongated flat top snap-on closure cap for engaging said panel to cover the panel opening, said closure cap having a depending flange which terminates at is lower edge in a smooth curl, oppositely disposed side portions of said curl having inwardly bent projections which snap under said panel beads when the closure cap is applied to the container.

2,190,677
TOILET ARTICLE CONSTRUCTION
Royce H. Potts, Brooklyn, N. Y., assignor to Ramel Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application February 15, 1937, Serial No. 125,685
2 Claims. (Cl. 88—102)



1. A toilet article of the character described comprising, in combination, a channelled frame of die cast material amenable to shaping and forming operations to impart an ornamental exterior contour thereto, said frame being split substantially diametrically, one of said split portions rendering said frame distensible when the other is held together, extensions comprising tangs adjacent one of said split portions, extensions substantially diametrically opposite to said tangs, means for binding said last named extensions together including an enveloping crown housing, a facing member and a rigid frame plate having their peripheral portions seated in said channelled frame, a handle rod secured to said frame plate extending radially through said frame between said tangs, a ferrule sleeved over said tangs, a handle sleeved over said handle rod and engaging said ferrule, said handle rod extending through said handle and an anchoring member engaging the free end of said handle rod and positioned against said handle and the ferrule to hold said handle to and against said frame in a rigid assembly.

2,190,678
AIR-METHOD CLEANER, ANTECHAMBER TYPE
Daniel Benson Replogle, Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee
Application August 20, 1936, Serial No. 97,057
9 Claims. (Cl. 15—9)

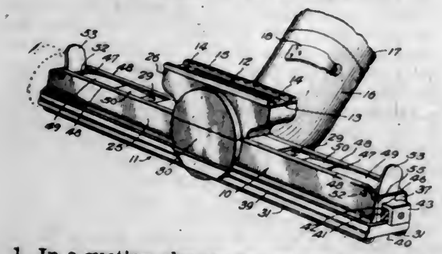
1. A suction cleaner comprising a tubular element housing air filtering and suction producing means at opposite ends thereof, a cap assembly at the air filtering end, having an inlet for dust laden air, a transparent cover for said cap assembly and an electric lamp to shine within said cap assembly whereby the quantity of dust entering the cleaner may at all times be viewed by the operator, the cap assembly being removable from

the tubular element and carrying one member of a plug and socket electrical connector, while



the tubular element carries the other member of said connector for supplying current to the suction producing power plant of the cleaner.

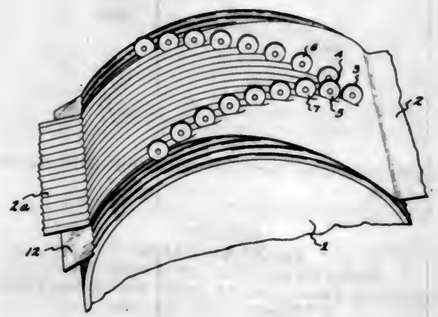
2,190,679
SWEEPER FLOOR TOOL
Daniel Benson Replogle, Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee
Application October 15, 1936, Serial No. 105,789
7 Claims. (Cl. 15—157)



1. In a suction cleaner comprising in combination with a suction outlet pipe, a valve member carried thereby, an annular rib carried by the valve member, a suction nozzle formed in two sections, each section carrying a suction opening, and each section carrying a complementary portion of an annular groove rotatably engaging the rib of said valve member when the two sections of the nozzle are secured together; the improvement wherein the valve constitutes a separate cap having a flange secured to the outlet pipe forming the rib which engages in said groove, the front of the cap being closed and abutting against the interior of the front of the nozzle, the outer surface of the nozzle being bulged to form a circular boss which is concentric with and slightly greater in diameter than the cross-sectional area of the suction pipe where the cap is secured thereto, said cap including also a second rib at the front portion thereof which fits in said circular boss.

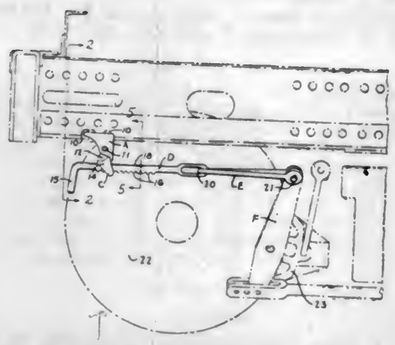
2. A suction cleaner, comprising a suction nozzle, front and rear stroker members for said nozzle, each stroker having end tabs projecting through mortises formed in the ends of said nozzle, and being cut away intermediate its ends to enable the stroker to be bent and the ends of the strokers withdrawn from the mortises in the ends of the nozzle.

2,190,680
PROCESS OF PRODUCING CORRUGATED PAPERS
William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application August 5, 1935, Serial No. 34,687
Renewed November 21, 1938
11 Claims. (Cl. 154—33)



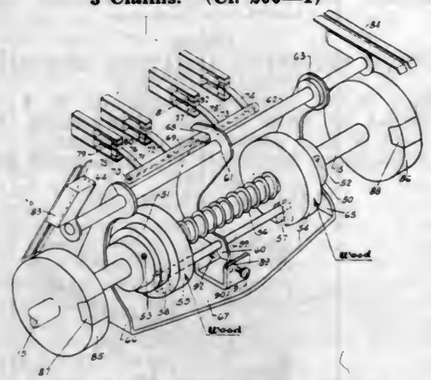
1. A process of corrugating a web which comprises providing a corrugated means, coating the bases only of the grooves therein with an adhesive substance, bringing paper into contact with said corrugated means and successively depressing said paper into the grooves thereof, whereby as each corrugation is formed therein it is held by said adhesive at least until the completion of the formation of adjacent corrugations therein.

2,190,681
SLACK ADJUSTER
Joseph Robinson, New York, N. Y.
Application June 8, 1936, Serial No. 84,087
Renewed October 29, 1938
7 Claims. (Cl. 188—200)



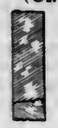
1. A slack adjuster comprising in combination, a link, a fixed member on which the link is normally freely pivotal in opposite directions between predetermined limits, and means connected with the brake rigging of the car and adjustably engageable with said link for cooperating with the link to remove undesired slack in said brake rigging when the link is swung to the limit of its pivotal movement in one direction and to preserve desired slack therein when the link is swung to the limit of its movement in the opposite direction.

2,190,682
DIRECTION OF ROTATION RESPONSIVE SWITCH
Howard Avery Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application November 17, 1936, Serial No. 111,272
3 Claims. (Cl. 200—1)



1. Apparatus responsive to the direction of rotation of a shaft including, in combination, a pair of rotary contact elements secured to said shaft, two sets of brushes cooperating with said contact elements respectively and means frictionally actuated by motion of said shaft for removing one set of brushes from contact with its contact element and placing the other set of brushes in contact with its contact element whenever the shaft reverses its direction of motion.

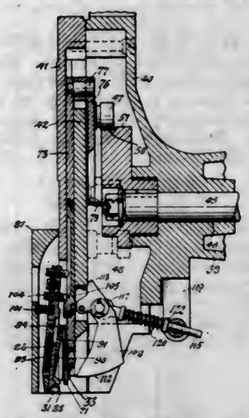
2,190,683
FILTER MEANS AND METHOD OF MAKING SAME
Albert E. Schaaf, Chagrin Falls, George M. Walton, Cleveland Heights, and Clarence J. Glanzer, Cleveland, Ohio, assignors to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 27, 1937, Serial No. 133,428
5 Claims. (Cl. 183—71)



1. A filter element comprising a strip of foraminous material folded upon itself to provide a pair of layers integrally connected by a bend, and rolled upon itself to provide an endless unit with overlapping portions, said strip having corrugations disposed obliquely to said bend and terminating short thereof.

2,190,684
WIRE STITCHING MACHINE
William O. Sims and Edward J. Rodda, Niagara Falls, N. Y., assignors to Niagara Falls Wire Stitchers, Inc., Niagara Falls, N. Y., a corporation of New York
Application April 7, 1937, Serial No. 135,455
11 Claims. (Cl. 1—2)

1. A wire staple forming and driving machine comprising a reciprocating former adapted to bend the legs of the staples, a reciprocating driver for driving the staples through objects, and an anvil mechanism which supports the staple blanks during the operation of bending the legs thereof and which comprises an anvil lever movable toward and from the front side of the former and driver and having a lower anvil jaw, a clamping bar slidable vertically on the inner side of the



anvil lever and provided with a clamping jaw adapted to cooperate with said anvil jaw for gripping the staple blanks and carrying the same to said former and driver, and means for adjusting the limits of the forward and backward movements of said anvil lever.

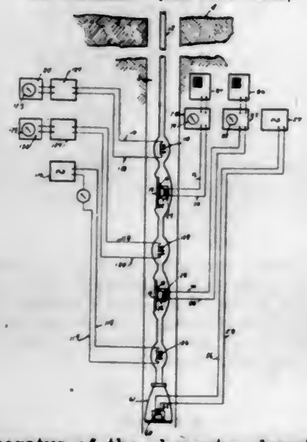
2,190,685
ELECTROMAGNETIC VIBRATORY INTERRUPTER
Ira M. Slater, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 10, 1936, Serial No. 115,171
6 Claims. (Cl. 200—90)



1. An electromagnetic vibratory interrupter comprising a frame, an electromagnet coil mounted on one end thereof and a vibratory reed mounted on the opposite end thereof and having its free end extending toward the first mentioned end of said frame, electrical contacts controlled by the vibration of said reed, said frame consisting of a continuous piece of magnetically permeable material having an elongate shank comprising the main body of the frame, a transverse portion integral with one end of said shank and transverse thereto and a reverse portion integral with the outer end of said transverse portion and substantially parallel to said shank with its free end extending toward the opposite end thereof, said coil being mounted on said reverse portion so that the free end of said portion comprises a pole of the electromagnet thereby pro-

duced, the free end of said reed being disposed adjacent the free end of said reverse portion and a pole piece thereon of magnetically permeable material whereby said reed is controllable by said electromagnet.

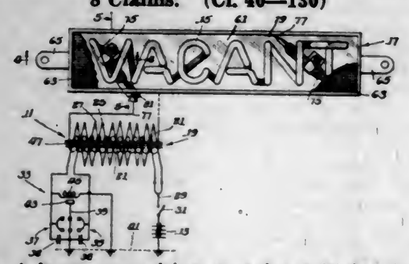
2,190,686
MINERAL EXPLORATION
Louis Byrne Slichter, Belmont, Mass., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application January 29, 1936, Serial No. 61,324
Renewed May 17, 1939
33 Claims. (Cl. 175—182)



2. Apparatus of the character described having, in combination, common means for creating an electromagnetic field and a periodic, acoustic field, a plurality of spaced receivers disposed in the field and responsive to acoustic energy, means for measuring the electrical properties of the ground neighboring the receivers, and means for measuring the acoustic field between the receivers.

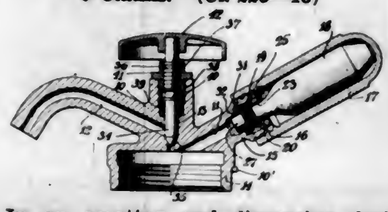
14. A method of exploring a drill hole in the earth that comprises creating acoustic and electromagnetic fields in the drill hole and, at successively different positions in the drill hole, measuring both fields to determine successively, at the successively different positions, both acoustic and electromagnetic properties of the geologic formations surrounding the drill hole at the successively different positions.

2,190,687
DISCHARGE LAMP AND MEANS FOR OPERATING THE SAME
John S. Smith, Hazel Crest, and Floyd Dawson, Chicago Heights, Ill.
Application December 28, 1936, Serial No. 117,706
8 Claims. (Cl. 40—130)



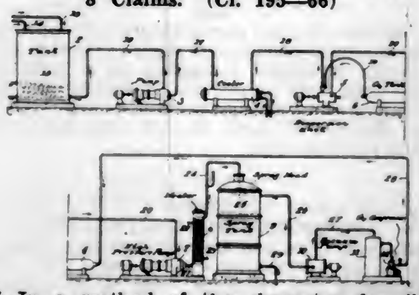
1. A lamp comprising a casing adapted to receive a gaseous conduction lamp element therein, said casing having an opening for displaying the lamp element, and a metallic screen in said opening for substantially covering said lamp, said screen comprising a metallic layer having foraminations therein of sufficient size to avoid impairment of the visibility of the lamp through said opening.

2,190,688
FOOD PRODUCTS AERATING AND DISPENSING DEVICE
Henry B. W. Snelling, Providence, R. I., assignor to Food Devices Incorporated, New York, N. Y., a corporation of Delaware
Application September 11, 1937, Serial No. 163,401
9 Claims. (Cl. 225—18)



1. In an aerating and dispensing device, a charging and dispensing head assembly capable of being attached to a container and forming a closure therefor, said assembly consisting of only three distinct mutually separable units, one unit comprising a head proper containing separate inlet and outlet passages, another unit comprising a dispensing valve means insertable in said outlet passage in position to open or close it, and said remaining unit comprising a charging device insertable in said inlet passage and including a back pressure valve, a piercing pin communicating therewith and a sealing gasket adjacent said pin in position to seal a gas containing cartridge in fluid tight relation therewith, said last named units each being insertable in and removable from said head unit in a single operation.

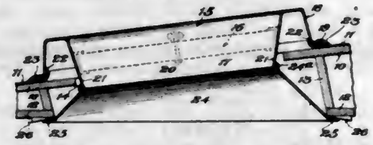
2,190,689
PROCESS AND APPARATUS FOR TREATING YEAST
William P. Torrington, New York, N. Y., assignor to Emulsions Process Corporation, New York, N. Y., a corporation of Delaware
Application May 11, 1939, Serial No. 273,078
8 Claims. (Cl. 195—66)



7. In a method of the character described, maintaining yeast in contact with a nutrient for a sufficient period of time and under a suitable temperature until all the yeast is activated, then placing the resulting aqueous mass under superatmospheric pressure and passing the same through a dispersion chamber, finely dispersing CO_2 throughout the mass in said chamber while the mass is maintained at a temperature of about 32° F., then increasing the superatmospheric pressure on the resulting mixture and raising the temperature of the mixture to about 120° F., then releasing the pressure and introducing the mass into a chamber maintained under substantially atmospheric pressure whereby the yeast cells are cracked and the CO_2 is released, and finally separating the CO_2 from the mass.

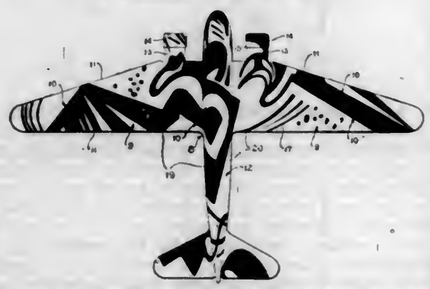
8. An apparatus of the character described, comprising means for placing an aqueous solution of active yeast under superatmospheric pressure and a relatively low temperature, a dispersion mill, means for introducing the solution into said mill, a CO_2 storage tank, a conduit for conveying CO_2 from said tank to the dispersion mill, a high pressure pump, a conduit for conveying a carbonated mixture of such solution from the dispersion mill to the high pressure pump, a conduit for conveying the mixture from the pump and terminating in a spray head, a heater interposed in said conduit, a tank in which the spray head is arranged, means for discharging gas from the upper portion of the tank, and means for discharging a liquid mass from the lower portion of the tank.

2,190,690
HATCH FRAME
Louis C. Wilkoff, Youngstown, Ohio, assignor, by mesne assignments, to Youngstown Steel Car Corporation, a corporation of Ohio
Original application February 7, 1936, Serial No. 62,856. Divided and this application March 1, 1937, Serial No. 128,551
11 Claims. (Cl. 108—5)



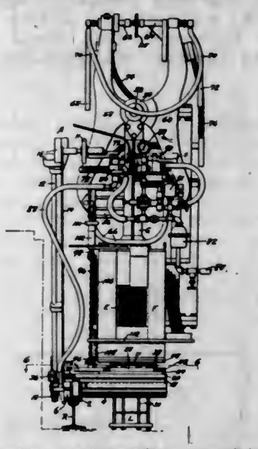
7. In combination with a refrigerator car having a ceiling and a roof, of a hatch frame positioned within the roof and having a portion bearing on the upper surface thereof, an apron connected to the frame and extending below the ceiling and threaded means interposed between the apron and ceiling for exerting a downward clamping pressure on said hatch frame.

2,190,691
CAMOUFLAGING
McClelland Barclay, New York, N. Y.
Application February 16, 1939, Serial No. 256,661
5 Claims. (Cl. 41—17)



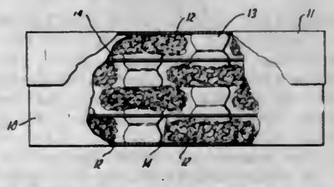
1. The method of camouflaging an aircraft to decrease the visibility thereof which consists in laying out a plurality of designs on the craft surfaces, said designs having boundaries extending at oblique angles to the craft silhouette and surface intersection lines and said design boundaries converging toward vanishing points differing from the natural vanishing points of the surface outline, coloring the designs on the top surface of the craft with deep blue and dark gray, coloring the designs on the sides of the plane with blue and gray to produce a medium hue, and coloring the designs on the bottom of the plane with bright blue and white, said last named pair of colors being adapted to blend with a sky background.

2,190,692
PORTABLE SPOT-WELDING MACHINE
William T. Bitler, John R. Bower, and Ray P. McBride, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 6, 1935, Serial No. 39,386
6 Claims. (Cl. 219—4)



1. A portable spot-welding machine comprising in combination a supporting truck, a frame, movable electrode jaws pivoted to said frame on a substantially horizontal axis for mutual rotational movement relative to the frame, and means supporting the frame on said truck for rotation about a substantially vertical axis.

2,190,693
PACKAGE FOR SCOURING DEVICES
Edward S. Bradford, Jr., Longmeadow, Mass., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass., a corporation of Massachusetts
Application June 20, 1939, Serial No. 280,096
1 Claim. (Cl. 206—65)



A package for scouring devices each consisting of a curled wire mass secured centrally to a knob, comprising a container, a layer of scouring

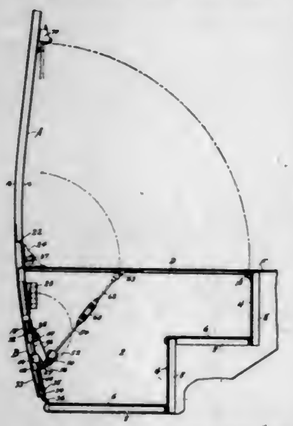
devices arranged in alternating sets within the container, the devices in one set having their curled wire portions resting on the container bottom and the devices in the second set having their knobs resting on the container bottom, a spacing sheet having perforations into which the knobs of said devices are fitted to retain them in spaced relation, a second layer of scouring devices also arranged in two alternating sets, each device in one set having the central portion of its curled wire mass resting upon the end of the knob of a device in the lower layer, and each device in the second set having its knob resting upon the central portion of the curled wire mass of a device in the lower layer, and a second spacing sheet having perforations into which the knobs of the devices in the second layer are fitted to retain them in spaced relation.

2,190,694

CAR SIDE DOOR AND FOLDING SKIRT ARRANGEMENT

Kenneth W. Brittain, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application January 7, 1939, Serial No. 249,735
15 Claims. (Cl. 105—429)



1. A side door assembly for railway car passageways having a step well and comprising, a main side door hinged to the car structure, an auxiliary door hinged to the lower portion of the main door for upward swinging movement relative thereto, an extension on said auxiliary door and movable relative thereto, a trap door mounted for upward swinging movement and normally covering said step well, and means connecting said trap door, auxiliary door and extension for operation substantially in unison.

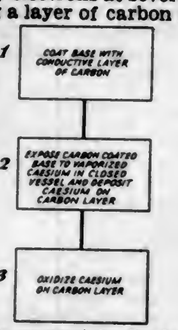
2,190,695

SECONDARY ELECTRON EMITTER AND METHOD OF MAKING IT

Hajo Bruining, Jan Hendrik de Boer, and Marten Cornelis Teves, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 15, 1938, Serial No. 195,941
In the Netherlands April 2, 1937
4 Claims. (Cl. 250—27.5)

4. An electrode having a ratio of secondary electron emission of several times unity upon impact by primary electrons at several hundred volts and comprising a layer of carbon in and on which



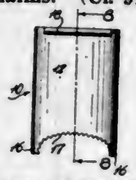
caesium oxide is present in finely divided condition.

2,190,696

BRUSH CASE

William A. Brune, Orlando, Fla.

Application June 9, 1939, Serial No. 278,376
5 Claims. (Cl. 91—63)



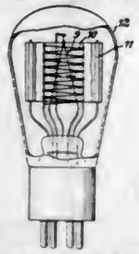
1. In a brush case of the character described, a case formed of separable inner and outer sections of a configuration for snug contact with the head stock of a paint brush, each section having a back wall and interfitting arcuate side walls and the lower ends of the side walls being upwardly arched to provide supporting feet.

2,190,697

ELECTRON DISCHARGE VALVE

Cabot Seaton Bull, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company

Application April 30, 1938, Serial No. 205,275
In Great Britain May 7, 1937
4 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an elongated cathode, an equipotential grid surrounding and coextensive with said cathode and having grid conductors opposite the electron emitting surface of said cathode, an anode surrounding and coextensive with said grid, and a conductive member mounted on and connected to said cathode intermediate the ends of said cathode and extending transversely of said cathode a part of the distance only between said cathode and said grid to separate the space

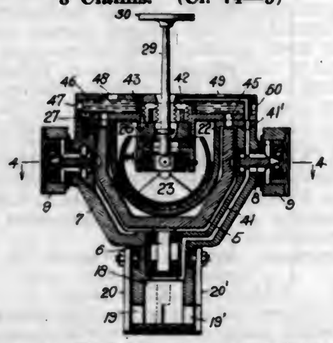
charges in space current flow to said anode from emitting portions of said cathode on opposite sides of said member.

2,190,698

ARTIFICIAL HORIZON

Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application July 1, 1938, Serial No. 216,957
8 Claims. (Cl. 74—5)



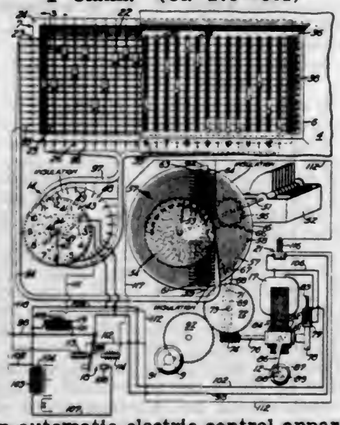
1. In an artificial horizon, a universally suspended, self-erecting gyroscope mounted in substantially neutral equilibrium having a casing, a universally suspended pendulum mounted on said casing, a reference member carried by said pendulum, damping means between said pendulum and said casing, and means for locking said pendulum to the gyroscope during turns.

2,190,699

AUTOMATIC CONTROL FOR RADIO APPARATUS

Samuel J. Cole, Alameda, Calif.

Application November 26, 1937, Serial No. 176,491
1 Claim. (Cl. 175—301)



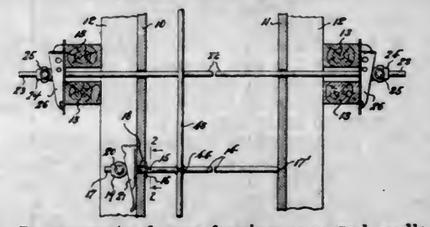
In an automatic electric control apparatus for radio apparatus, a selector board comprising a plurality of separate parallel spaced conductive contact bars, a plurality of separate conductive bus bars transversely overlying said contact bars, each of said bus bars having on an edge thereof a plurality of notches spaced in conformity with the spacing of said contact bars, and a contact member on each bus bar and movable therealong into contact with a selected one of said contact bars, said contact member comprising a substantially U-shaped strip of spring metal having in the bight thereof an aperture through which said bus bar is slidable and at the end of one arm thereof a perpendicular portion having an aperture therein through which said bus bar passes and a portion entering one of said notches, the other arm of said member resting on one of said contact bars, and a manually engageable element extending from one of said arms whereby said arm may be flexed to disengage the portion of said perpendicular portion of the arm resting in said notch from said notch.

2,190,700

SPREADER FOR CONCRETE FORMS

Samuel S. Colt, West Orange, N. J.

Application December 31, 1938, Serial No. 248,837
3 Claims. (Cl. 25—131)



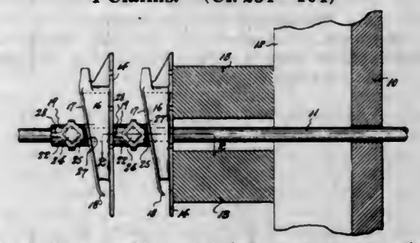
1. In concrete forms having opposed walls, a spreader member to extend inwardly through one wall with its inner end abutting the inner surface of the other wall, an abutment washer mounted on said member, longitudinally spaced stop lugs laterally projecting from said member for selective engagement by said washer to position the latter for abutment against the inner surface of said first mentioned wall, said washer having clearance notch means in the margins of its opening for registration with said stop lugs to pass over certain thereof preparatory to selectively engaging the same with other thereof, and releasable means on the external end portion of said member cooperative with the outer surface of said first mentioned wall to lock said member in rigidly supported extension from said first mentioned wall into abutted relation to said second mentioned wall.

2,190,701

FORM WALL SUSTAINING MEANS

Samuel S. Colt, West Orange, N. J.

Application September 9, 1939, Serial No. 294,075
4 Claims. (Cl. 254—104)



1. A form wall sustaining means comprising, in combination, a wedge member and a cooperating abutment member, said members each having openings for the passage of a tie-rod therethrough, said wedge member having spaced wedge webs terminating at their outer edges in transverse overhanging face flanges free margins of which provide keeper lips, said abutment member having keeper lugs cooperative with said keeper

lips to hold said members against separation without interfering with operative movement of said wedge member relative to said abutment member, said abutment member having means to affix the same in anchored relation to and upon a tie-rod, and said abutment member having rearwardly projected thrust ribs laterally offset therefrom in spaced relation corresponding to the spacing of said webs so as to impinge on said wedge face flanges only at points directly aligned with said wedge webs.

2,190,702
PARASITICIDE AND METHOD OF PREPARING SAME

Robert H. Daines, Jr., Highland Park, N. J., assignor to Endowment Foundation, New Brunswick, N. J., a corporation of New Jersey

No Drawing. Application July 25, 1935, Serial No. 33,101
7 Claims. (Cl. 167—19)

1. A parasiticide for controlling plant parasites in or on the soil including mercury and a carrier in a relatively finely divided state including at least one metal in the electro-motive series above metallic mercury.

4. The method of preparing a parasiticide for the control of seed and plant parasites which consists in putting metallic mercury into a vessel and applying heat thereto to cause a mercury vapor to be formed, putting a dry powdered carrier into another vessel, connecting both vessels to a common discharge member and forcing, as by a stream of air, the mercury vapor and the powdered carrier into said common member whereby fine particles of metallic mercury are deposited on the powdered particles of said carrier.

2,190,703
PERCHLORATE EXPLOSIVE

Clyde Oliver Davis, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

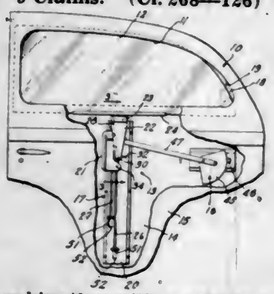
No Drawing. Application March 8, 1938, Serial No. 194,605
7 Claims. (Cl. 52—18)

1. An explosive composition comprising a solid dispersion of an oxygen-accepting ingredient in an inorganic salt of an acid taken from the group consisting of chloric and perchloric acids, which salt is soluble in anhydrous liquid ammonia and stable under atmospheric conditions, said dispersion resulting from crystallization from substantially anhydrous liquid ammonia.

2,190,704
WINDOW REGULATOR

William C. Devereaux, Detroit, Mich.

Application May 8, 1939, Serial No. 272,535
9 Claims. (Cl. 268—126)



1. The combination with a vehicle body having a window opening and a closure for the window opening mounted for vertical sliding movement into and out of the window opening, of a regulator for said closure comprising a plate fixed against movement with said closure and having laterally spaced vertically extending guiding portions provided with forwardly projecting extensions at the upper ends thereof, followers carried by the closure respectively slidably engaging the guiding portions and cooperating with the extensions to effect fore and aft shifting movement of the closure, a pair of followers respectively slidably engaging the vertically extending parts of said guiding portions, linkage respectively pivotally connecting the second named followers with the first mentioned followers and means connected to the second mentioned followers for raising and lowering said closure relative to said plate.

2,190,705
CELLULOSE DERIVATIVE EMULSIONS

Alfred Dreyling, South River, and William W. Lewers, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 15, 1935, Serial No. 36,388
8 Claims. (Cl. 106—37)

1. The process of preparing oil in water emulsions having about a 25% to 60% non-volatile content and which is of paste-like consistency which comprises preparing a cellulose derivative solution in a water-immiscible and water-inert organic solvent, preparing a water dispersion of two colloidally dissolving emulsifying agents, one of which is of the polar type and the other of which is of the water colloidable viscous type, and combining the said cellulose derivative solution and the said dispersion of emulsifying agents by low speed mixing in a kneading machine.

2,190,706
MODULATED CARRIER WAVE TELEPHONY SYSTEM

Peter Pendleton Eckersley, Chelsea, London, England, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 1, 1938, Serial No. 193,224
In Great Britain March 1, 1937
10 Claims. (Cl. 178—44)

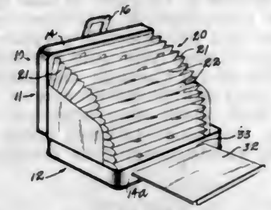


1. In a modulated carrier wave telephony system, a circuit arrangement for producing substantial differential attenuation of one sideband of a carrier wave relatively to the other sideband thereof, said circuit arrangement comprising attenuating means for producing, over a range of sideband frequencies associated with relatively shallow modulation, attenuation of said one sideband which increases, proceeding away from the carrier frequency, at a rate greater than that of a single section, constant k type band-pass filter terminated in its image impedance, whilst producing substantially less attenuation of said one sideband over a range of frequencies associated with relatively deep modulation and means for rendering the phase distortion produced by said attenuating means, measured by deviation of the resultant sideband component vector from coangularity with the carrier vector, over a range of sideband frequencies associated with relatively deep modulation, substantially less than that of an $f\infty$ type filter section arranged to reach substantially infinite attenuation at the extreme frequency of said one side-band.

2,190,707
PORTFOLIO CASE

Joseph M. Feldman, New York, N. Y.

Application October 17, 1938, Serial No. 235,411
4 Claims. (Cl. 129—15)

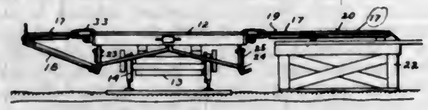


4. A device including a case having an upper case member and a lower case member, said case members being hingedly interconnected with the upper case member being upright in the open position of the case, braces hingedly connected to the upright case member along the ends thereof so as to be movable to lie along the inner face of said upright case member and outward to engage the lower case member along the ends thereof, means releasably connecting the brace members to the lower case member in the said outward position of the brace members, an expansible-collapsible container connected to the upper case member so as to be freely expansible outward and downward toward the lower case member, said container lying within the upper case member in its collapsed position and being thus maintained by the brace members in the inward position of the latter, and means releasably securing the brace members in said inward position.

2,190,708
VEHICLE TRANSPORTING CAR

Chester L. Fowler, Oakland, Calif.

Application July 30, 1938, Serial No. 222,237
13 Claims. (Cl. 105—436)



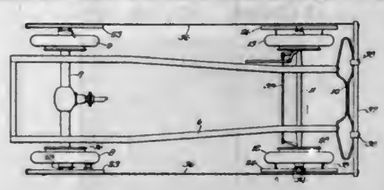
1. In combination with the bed of a flatcar or the like, a panel member means hinging said panel member to the car bed at a side thereof for its optional and releasably fixed disposal in upright position above the bed to provide a side for the car or in extended position in the plane of the bed to provide an extension of the floor area of the bed or in downwardly sloping position to extend from the car side to the ground to provide an extension of the bed for use as a loading and unloading ramp for the car, and means on the panel for direct engagement and coaction with the car bed entirely below the plane of the upper face thereof to releasably fix the panel in either of said upright or extended positions.

2,190,709
MEANS FOR ALIGNING VEHICLE WHEELS

Arthur A. Friestedt, Chicago, Ill., assignor of one-half to Siegfried Maurer, Chicago, Ill.

Application March 14, 1938, Serial No. 195,785
10 Claims. (Cl. 33—203)

1. An apparatus for aligning vehicle wheels comprising a pair of rear wheel rules each providing a straight edge, means for mounting said rules in proximity to the rear wheels so as to present said straight edges perpendicular to the axis of rotation of said wheels, means defining a straight line disposed adjacent to each of said rear rules, means for supporting said line defining means forwardly of the front wheels in parallelism with the rear rule straight edges, a

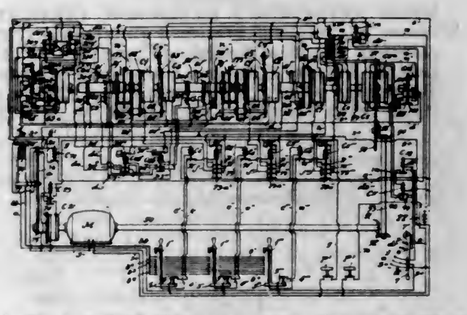


pair of front wheel rules each provided with a straight edge, and means for mounting said front wheel rules in proximity to the front wheels so as to present the front rule straight edges in positions perpendicular to the axes of rotation of said front wheels.

2,190,710
CALCULATING MECHANISM

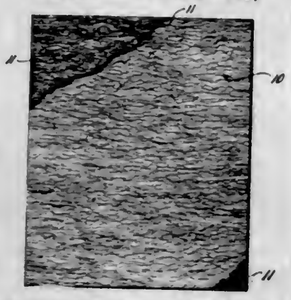
Henry Jewett Furber, Washington, D. C.

Original application October 3, 1935, Serial No. 44,159. Divided and this application June 15, 1936, Serial No. 85,359
9 Claims. (Cl. 235—133)



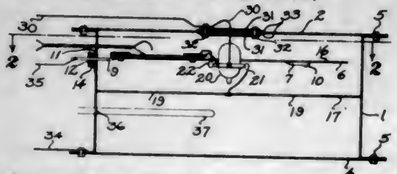
1. In a calculating apparatus for computing quantities whether positive or negative in quality, an accumulator comprising members corresponding to denominational orders and operative in respective positive and negative directions to accumulate positive and negative quantities, means selectively to operate the members in positive direction either to add a positive quantity to an accumulated positive quantity or to subtract a negative quantity from an accumulated negative quantity, or to operate the members in negative direction either to add a negative quantity to an accumulated negative quantity or to subtract a positive quantity from an accumulated positive quantity, reversible transfer mechanisms of convertible first and tenth step cyclic phases between the several orders of said members, and operative by the members of next respective lower order, means automatically to convert said phases according to the quality of the accumulated quantity and the directional operation of said members, to cause the transfer mechanisms to transmit tens carry-over in the addition of a quantity to an accumulated quantity similar in quality at each tenth step, and to borrow at each cyclic first step in the subtraction of a quantity from an accumulated quantity similar in quality, whether the quality of the quantities component in the computations is positive or negative.

2,190,711
SHEET INSULATION MATERIAL
Carl F. Hanson, Westfield, N. J., assignor to Irvington Varnish & Insulator Co., Irvington, N. J., a corporation of New Jersey
Application March 16, 1938, Serial No. 196,146
4 Claims. (Cl. 154—2.6)



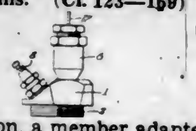
1. Flexible insulation material for the purposes described which is capable of local stretching in areas thereof subjected to excess stress comprising, a sheet of asymmetrically crinkled paper providing a multiplicity of discretive sinuosities forming a rugulose grain, and a coating film of elastic insulating varnish adhered to at least one face thereof.

2,190,712
HIGH EFFICIENCY RESONANT CIRCUIT
William W. Hansen, Stanford University, Calif., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application July 27, 1936, Serial No. 92,787
9 Claims. (Cl. 250—36)



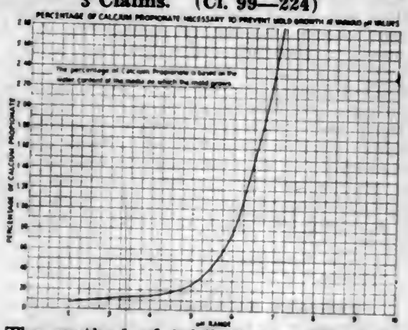
1. A vacuum tube oscillator comprising a cylindrical chamber of conductive material having substantially parallel ends, an incomplete diaphragm mounted substantially parallel to said ends and dividing said chamber into communicating compartments, a vacuum tube having cathode, anode and control electrodes mounted within said chamber, said cathode being connected to said diaphragm and said anode and control electrode being connected for high frequency currents respectively to the opposite ends of adjacent compartments.

2,190,713
PIEZOELECTRIC PRESSURE INDICATOR
Hans Hintze, Dresden, and Hans Illgen, Dresden-Laubegast, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application March 17, 1938, Serial No. 196,342
In Germany February 17, 1937
4 Claims. (Cl. 123—169)



1. In combination, a member adapted to be secured in the spark plug aperture of an internal combustion engine, a piezoelectric pressure element, and a miniature spark plug, said member being provided with two acute angularly disposed bores, one end of which being directly in communication with the cylinder bore of the engine when said member is inserted in said spark plug aperture, the other ends of said bores having secured therein said piezoelectric pressure element and spark plug respectively, said miniature spark plug extending so far through said member that its sparking gap will be positioned at the same location in said spark plug aperture at which the sparking gap of a standard spark plug inserted in said aperture would be positioned.

2,190,714
PROCESS FOR INHIBITION OF MOLD
Charles Hoffman, Scarsdale, Gaston Dalby, New York, and Thomas R. Schweitzer, South Ozone Park, N. Y., assignors to Ward Baking Company, New York, N. Y., a corporation of New York
Application December 1, 1936, Serial No. 113,552
3 Claims. (Cl. 99—224)



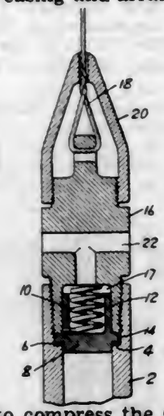
3. The method of inhibiting mold growth in food products susceptible thereto, other than margarine and sour dough bread made from non-glutenous flour, which comprises adding to such materials from 0.01% to 2.3% by weight of a salt of a saturated aliphatic monocarboxylic acid of from 3 to 12 carbon atoms, based upon the water content of such material, and from 0.001% to 0.3% by weight of ammonium bicarbonate.

2,190,715
EXTREME PRESSURE LUBRICANT
Samuel Edward Jolly and John Harold Perrine, Prospect Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application January 16, 1937
Serial No. 120,935
13 Claims. (Cl. 87—9)

1. An extreme pressure lubricant comprising lubricating oil containing a minor percentage of alkyl benzene dichlor phosphine in which the alkyl group contains from three to four carbon atoms.

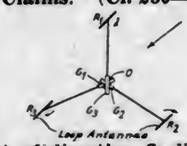
2,190,716
HIGH PRESSURE CLOSURE
Gottdank L. Kothny, Strafford, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 16, 1939, Serial No. 273,839
3 Claims. (Cl. 166—1)

1. In combination with a casing adapted to be subjected to high external pressures, closure means comprising a gasket arranged to be seated about an opening in said casing, a pressure element arranged to rest on said gasket, a member secured to the casing and arranged to press upon



said element to compress the gasket on its seat, and a spring reacting between the member and element to force the member additionally to compress the gasket.

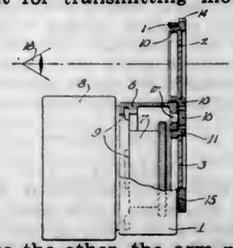
2,190,717
RADIO DIRECTION FINDER
Richard Kümmich and Hans Rukop, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 17, 1936, Serial No. 116,292
In Germany October 19, 1935
2 Claims. (Cl. 250—11)



2. In the art of direction finding in which exactly three rotatable antenna loops and a goniometer are provided, said goniometer having differently oriented magnetic field coils and a rotatable search coil and electrical connections between individual ones of said field coils and appropriately associated antenna loops, the method of inducing a voltage in the search coil which has directional significance, which method comprises rotating each of said antenna loops and said search coil about its own axis, maintaining parallelism between the magnetic axes of said loops, and transferring the energy collected by said loops to associated ones of said magnetic field coils whereby the resultant voltage induced in said search coil is made commensurate with the amplitude of the energy collected by said antenna loops at different angles of orientation thereof.

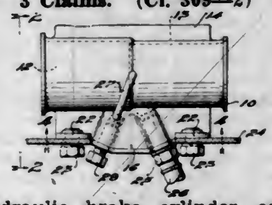
2,190,718
POLARIZER
Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application April 22, 1937, Serial No. 138,464
In Germany April 25, 1936
5 Claims. (Cl. 95—64)

3. A polarizer attachment for a camera casing comprising a tubular member, a supporting part on the tubular member adapted for engagement with a companion supporting part on a wall of the camera casing, an arm projecting in a plane at right angle to the axis of the tubular member, polarizers movably mounted in said tubular member and arm respectively, and means on the attachment for transmitting movement of one



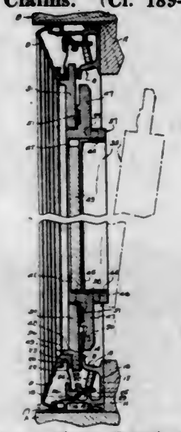
polarizer to the other, the arm projecting from the tubular holder being of such length that the polarizer mounted in the arm projects beyond the casing when the attachment is in operative position.

2,190,719
HYDRAULIC BRAKE CYLINDER
John W. Leighton, Port Huron, Mich.
Application March 2, 1936, Serial No. 66,517
3 Claims. (Cl. 309—2)



1. A hydraulic brake cylinder construction comprising a pair of sheet metal stampings each having a semi-cylindrical depression therein and flanges at the lateral sides of said depression, a groove in one of the flanges of each of said stampings, said stampings being secured together face to face whereby said depressions mate to form a cylinder, and said grooves mate to form a port communicating with said cylinder, and lugs on said flanges providing means for mounting said cylinder.

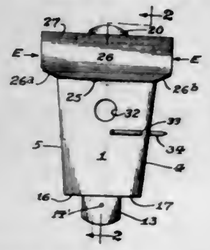
2,190,720
SASH OR STORE FRONT CONSTRUCTION
Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 14, 1937, Serial No. 168,934
12 Claims. (Cl. 189—69)



1. In a sash or store front construction, the

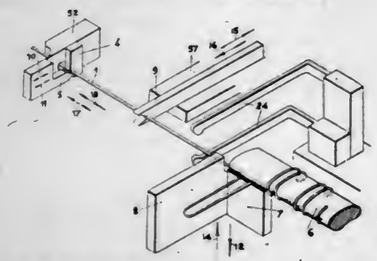
combination with a window frame, and a metal sash construction extending around said frame and carried thereby, of molding strips removably carried by the metal sash construction and defining a window opening, and a ventilator for closing said window opening hinged to one of said molding strips and removable therewith without requiring disassembly of the metal sash construction, said ventilator engaging another of said molding strips when in closed position.

2,190,721
COLLAPSIBLE PAPERBOARD HOUSE
Ferdinand Mallgraf, Little Neck, N. Y.
Application October 11, 1938, Serial No. 234,351
5 Claims. (Cl. 119—23)



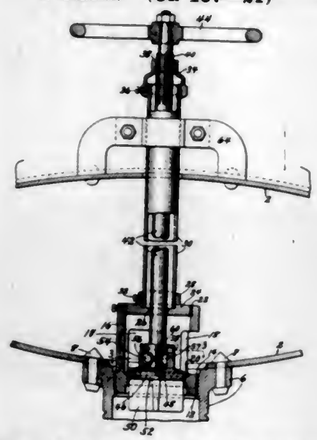
1. A collapsible house structure, comprising a plurality of interconnecting creases and panels forming the front, rear, sides, floor and roof portions of said house structure, said roof portion provided with front and rear gable roof panels, one of said panels being provided with a keeper-slot, said panels including rear flap ends and a rear panel having tabs overlapping in a three-fold formation and snugly secured into said keeper-slot of one of said gable roof panels thereby providing an assembled house structure without any corner bracing therewith.

2,190,722
MACHINE FOR SHAPING WIRES WHICH ARE INTENDED FOR BINDING PERFORATED LEAFLETS
André Lucien Martin, Paris, France
Application May 19, 1938, Serial No. 208,843
In France May 24, 1937
8 Claims. (Cl. 140—71)



1. In a machine for shaping wires into loops, a fixed pinching element for gripping the wire, a movable pinching element adapted to grip the wire and to move parallel to said wire, a movable shaper arranged between said pinching elements and adapted to press against the wire and to move transversely to said wire, and means for simultaneously moving said movable pinching element and said shaper for bending the wire on the shaper and according to a loop.

2,190,723
TOP OPERATED OUTLET VALVE
John J. McBride, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 24, 1936, Serial No. 117,501
1 Claim. (Cl. 137—21)



A tank including top and bottom wall portions, a discharge mechanism for said tank comprising a valve cage secured to the bottom wall portion of the tank and provided with a valve seat and a cap, the latter being formed with an upstanding internally threaded portion and a guide opening, a thrust tube in threaded engagement with the internally threaded portion in the cap and extending through the upper portion of the tank, and being spaced from contact therewith to permit movement independent of the tank, means spaced from the upper tank wall for holding the upper end of the tube against lateral displacement, a cap secured to the upper end portion of said tube, a valve in said valve cage cooperating with said valve seat, a valve mechanism including a vertical rod arranged in said tube, said rod being rotatably and rockably secured to said valve, removable means for locking said valve against rotation with respect to said rod, said rod being arranged in said tube in engagement with the wall of the guide opening, and the upper end of said rod being threadedly connected with the cap whereby rotation of said rod will actuate said valve.

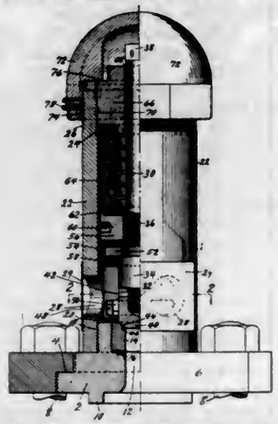
2,190,724
LOADING DEVICE FOR RAILWAY CARS
John J. McBride, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 11, 1938, Serial No. 218,674
12 Claims. (Cl. 214—83)



1. A railway car for transporting lading having a container portion in which the lading is carried, a top covering the container portion and provided with an opening for reception of lading, and substantially horizontal conveyer means attached to said top and operable to convey and distribute lading to said container portion from said opening, said conveyer means being formed

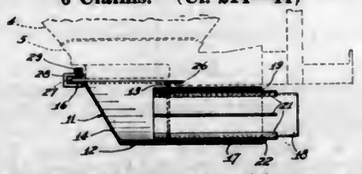
in part by tunnel pieces provided with side openings intermediate the upper and lower edges thereof for the discharge of lading adjacent said top.

2,190,725
SAFETY VALVE
John J. McBride, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1938, Serial No. 244,660
4 Claims. (Cl. 137—53)



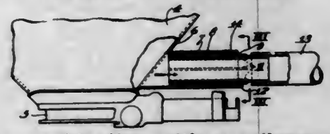
1. In a safety valve, the combination of a base having an opening therein for the escape of gases under pressure, a valve member normally closing said opening, a valve body secured to the base and housing said valve member, a valve stem secured to said valve member and extending upwardly in said body, spring means surrounding said stem for yieldingly holding said valve member seated upon said base to close said opening, a cup-shaped gasket secured to said stem between said valve member and spring, said gasket being formed with a relatively flexible downwardly directed edge portion engageable with said valve body to prevent escaping gases contacting said spring, and openings in said valve member for directing escaping gases into contact with said edge portion of said gasket thereby causing immediate expansion thereof upon the escape of gases past said valve member.

2,190,726
CAR UNLOADING
James Cline McKenna, Pittsburgh, Pa., assignor to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware
Application February 17, 1939, Serial No. 256,949
6 Claims. (Cl. 214—44)



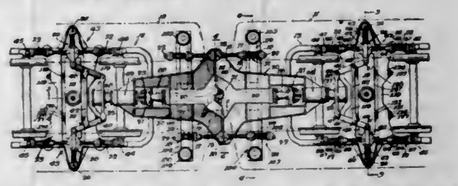
1. A hopper unloader comprising an auxiliary hopper adapted to be detachably connected to the bottom of a main hopper below its outlet, a tube projecting out of one side of the auxiliary hopper and rigidly connected thereto, the walls of the auxiliary hopper being closed except for said tube, and a second tube disposed in the first tube with a space between them to provide an air inlet passage, the outer end of said second tube being adapted to be connected to a conduit of a suction conveyor system.

2,190,727
UNLOADING FREIGHT CARS
James Cline McKenna, Pittsburgh, Pa., assignor to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware
Application March 24, 1939, Serial No. 263,881
2 Claims. (Cl. 214—44)



1. The combination with a railway car having an integral discharge hopper below its body provided with a bottom discharge door, of a tube member rigidly associated with and projecting out of one side of the hopper and adapted to slidably receive a nozzle member of a suction conveyor system, the wall of the hopper being closed except for said tube, one of said members being provided with means spacing said nozzle from said tube to provide an air inlet therebetween and one of said members being provided with means for limiting the distance the nozzle can be inserted into the tube, and means for closing the opening through said first tube when not in use.

2,190,728
RIDE STABILIZER
John L. Mohun, Chicago, Robert C. Brown, Jr., Evanston, and Francis W. Test, Hinsdale, Ill.; said Brown and said Test assignors to said Mohun
Application October 3, 1936, Serial No. 103,914
22 Claims. (Cl. 105—176)

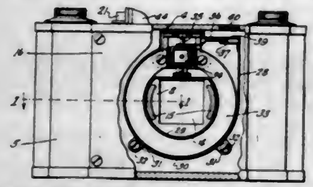


1. In combination with the adjacent ends of two car bodies, a car truck under each of the adjacent ends, a ride stabilizer connecting the car bodies and comprising a relatively large rigid body having its two ends operatively connected to the car trucks in such a manner that all transverse shocks passing between the ride stabilizer and each truck are directed along the transverse center line, and resilient means interposed in the latter connection.

2,190,729
PHOTOGRAPHIC CAMERA
Hübert Nerwin, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application May 29, 1936, Serial No. 82,488
In Germany June 15, 1935
15 Claims. (Cl. 95—10)

1. In a photographic camera, the combination of a photo electric exposure meter, a camera casing having a front wall and a rear wall fixedly

spaced from each other, a camera objective mounting on said front wall and a measuring instrument forming a part of said photo electric exposure meter, said measuring instrument being



arranged within said camera casing and including an open annular field magnet arranged between said front and rear wall coaxially with said camera objective mounting and in rear thereof.

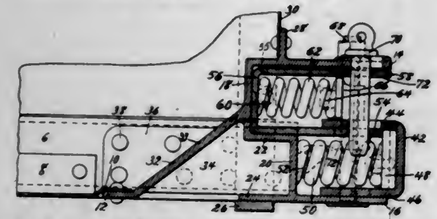
2,190,730

MINE CAR SPRING BUMPER AND COUPLING

Herman H. Pancake, Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application May 25, 1937, Serial No. 144,606

16 Claims. (Cl. 213—9)



1. A mine or similar rail car having a floor, side sills, and an end structure connecting the side sills, said end structure comprising vertically spaced upper and lower substantially horizontally extending flanges, a Z form member connecting said flanges, said Z form member having horizontally spaced upper and lower flanges extending substantially vertically and constituting abutments for draft means and buffer means respectively, said buffer means being supported by the lower horizontal flange of said end structure, and a bracing means for the end structure secured to the floor at one end portion and inclined upwardly therefrom and connected to one of the vertically extending flanges of the Z form member.

2,190,731

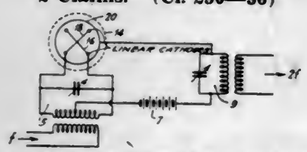
FREQUENCY CHANGER

Klaas Posthumus, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application May 21, 1937, Serial No. 143,947

In Germany June 5, 1936

2 Claims. (Cl. 250—36)



1. In a frequency multiplying system an electron discharge device comprising a pair of linear electron emission electrodes mounted in planes at right angles to each other, an anode structure surrounding said emission electrodes, means for impressing wave energy the frequency of which is to be multiplied in phase opposition on said linear electrodes, and means for deriving the resultant energy from said anode structure.

2,190,732

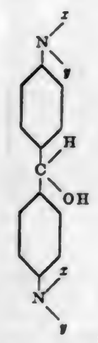
MANUFACTURE OF DIAMINODIARYLKETONES AND PRODUCT THEREOF

Gustav Reddelien, Leipzig, and Georg Matthaeus, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application July 28, 1937, Serial No. 156,143. In Germany August 26, 1936

4 Claims. (Cl. 260—570)

1. The process of manufacturing tertiary amino ketones of the benzene series which comprises reacting a hydrol of the general formula



wherein x and y are members of the group consisting of alkyl and hydroxyalkyl with phenylhydrazine in an alcoholic solution in the presence of a catalytic amount of an acid, oxidizing the condensation product thus obtained and subjecting it to acid scission.

2,190,733

MANUFACTURE OF ALKYL SUBSTITUTED ARYL SULPHATES

Joseph L. Richmond, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 26, 1937, Serial No. 155,781

10 Claims. (Cl. 260—457)

1. An alkyl substituted aryl sulphate of the benzene and naphthalene series wherein an alkyl group contains at least eight carbon atoms and the sulphate group is directly attached to a carbon atom in the aryl nucleus.

9. The sodium salt of dodecyl phenyl sulphate.

2,190,734

ORGANIC SULPHONATED HYDROGENATED ABIETYL DERIVATIVES AND METHOD OF PRODUCING

Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 10, 1937, Serial No. 163,325

16 Claims. (Cl. 260—98)

1. A salt of an organic nitrogen-containing base and the sulphonation product of a hydrogenated Rosinyl alcohol.

2,190,735

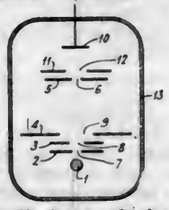
ELECTRON DISCHARGE DEVICE

Noël Meyer Rust, Chelmsford, and George Fairburn Brett, London, England, assignors to Radio Corporation of America, a corporation of Delaware

Application February 2, 1938, Serial No. 188,244

In Great Britain February 11, 1937

4 Claims. (Cl. 250—162)



1. An electron discharge device having a cathode for emitting electrons and an apertured anode for receiving said electrons, and a collector electrode on the side of the anode opposite from said cathode, and a plurality of apertured electrodes including a control grid, an accelerating grid, and a screen grid positioned between the cathode and the apertured anode, all of said electrodes being positioned with the apertures in alignment, and an apertured suppressor electrode positioned between the apertured anode and the collector electrode.

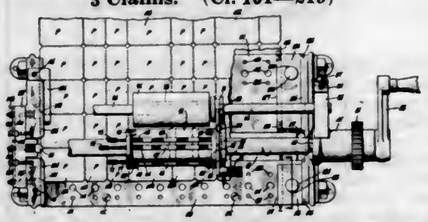
2,190,736

TICKET PRINTING MACHINE

William M. Schlegelmilch, Bronx, N. Y., assignor to Keller Printing Company, New York, N. Y., a corporation of New York

Application June 30, 1938, Serial No. 216,646

3 Claims. (Cl. 101—219)



1. In a machine for printing tickets, a revoluble platen member having lands dividing its periphery into printing stations; a revoluble shaft; a printing drum mounted on said shaft for rotation therewith and for movement longitudinally thereof into operable printing relationship to said platen member at any one of said printing stations; and, means on said printing drum adapted to co-operate with said lands to feed tickets to be printed through said machine.

2,190,737

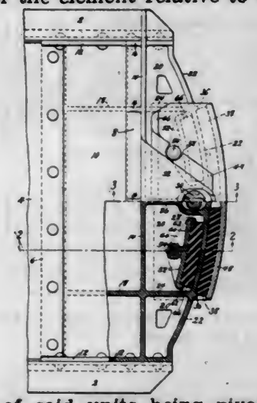
CUSHIONED BUFFER AND COUPLING DEVICE

Ernest R. Schroeder, Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application July 16, 1937, Serial No. 154,037

13 Claims. (Cl. 213—9)

1. A cushioned buffer and coupling device for mine cars comprising in combination with a car end member, a T-shaped portion connected to and projecting from the main portion of the end member and having the head spaced outwardly thereof, a buffer and coupling element carried by the end member, and resilient cushioning units cooperating with the element and with both the inner and outer surfaces of the head of the T portion for yieldingly resisting movements of the element relative to the member, certain of said units being pivotally connected to said element thereby equalizing the strains on said certain units during certain movements of said element.



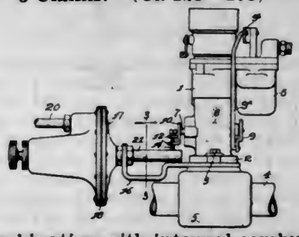
2,190,738

ANTISTALL DEVICE

Joseph Schweiss, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application September 19, 1938, Serial No. 230,716

3 Claims. (Cl. 123—103)



1. In combination with internal combustion engine intake conduit including a carburetor having a throttle valve and on operating arm therefor, a device responsive to suction in said conduit, a lever pivoted adjacent said mechanism, a second lever pivotally connected to said first lever and having a slot, said arm having an element movable in said slot and said levers forming a toggle, and a rod operated by said device and connected to one of said levers intermediate the ends of the toggle so as to disalign said levers when there is normal operating suction and when there is no suction in said mechanism and to substantially align said levers when the intake pressure approaches atmospheric, said throttle arm element being freely movable in said slot to permit full opening and closing of said throttle valve when said levers are disaligned but cooperating with an end of said slot when said levers are aligned to insure at least partial opening of said throttle valve.

2,190,739

LIGHTING SYSTEM

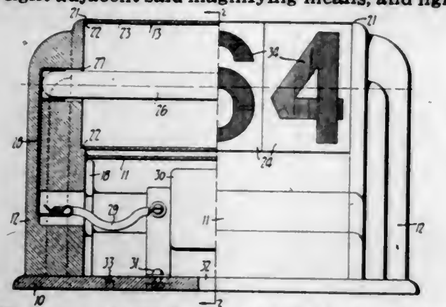
Richard K. Squires, Oakland, Calif., assignor of one-half to Walter T. Sconyers, Oakland, Calif.

Application August 29, 1938, Serial No. 227,380

14 Claims. (Cl. 40—130)

5. In a lighting system, indicia for display,

light magnifying means for outlining said indicia from the rearward side thereof, a rod-like source of light adjacent said magnifying means, and light



diffusing means between said light source and said magnifying means.

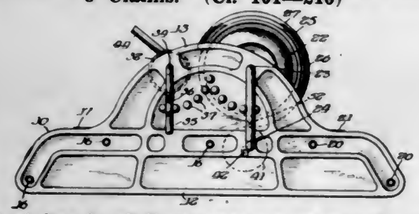
2,190,740

HAND OPERATED PRINTING PRESS

Justin R. Swift and Roy W. Redin, Chicago, Ill.

Application December 1, 1938, Serial No. 243,312

8 Claims. (Cl. 101—216)



1. A hand printing press comprising, in combination, a pair of side members, cross plates secured thereto forming a bed for the press, a cylinder rotatably mounted in said side members, an inking roller rotatably mounted in said side members and movable relative to said cylinder, and impression roller rotatably mounted in said frame and movable with respect to said cylinder, flexible tires on said cylinder having tread portions thereon, type guides on said cylinder held in position by the said tires, and type in said guides, the tread portion of the said tires acting as frictional drive means for the inking roller and the impression roller.

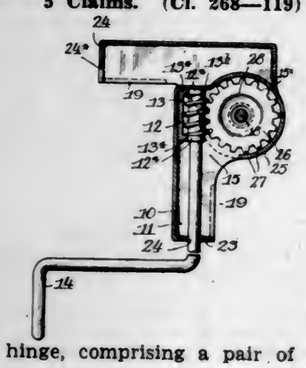
2,190,741

HINGE AND OPERATING MEANS THEREFOR

Harold K. Sylvester, Los Angeles, Calif.

Application July 28, 1938, Serial No. 221,768

5 Claims. (Cl. 268—119)



1. A hinge, comprising a pair of perforated straps for securing respectively to the jamb of a window frame and the side rail of a sash, said straps being formed at their central portions into channels extending laterally therefrom, the parallel flanges of said channels being extended, said channeled members being proportioned to register and fit together, part for part, a worm journaled in the channel of the inner of said members and a worm-gear, cooperating with said worm, journaled in the inner of said members and fixedly secured to the outer of said members.

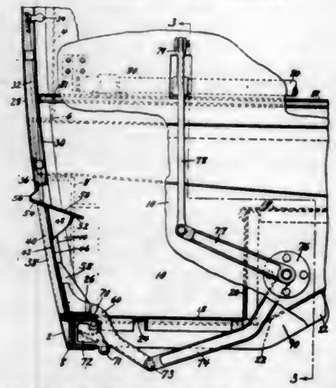
2,190,742

RAILWAY CAR

Sigvald F. Udstad, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application April 30, 1938, Serial No. 205,377

19 Claims. (Cl. 105—427)



1. In a vehicle, a body having a side wall, a side door in said side wall, a floor for said body having a cutaway portion opposite said door, a plurality of steps secured to the body in the cutaway portion to provide a flight of steps leading downward from the floor to a lower step having a fixed tread section and a removable tread section, said fixed tread section having an opening therein adapted to receive the removable tread section to complete the tread, and means to raise said removable tread section to an inoperative position in spaced relation to the fixed tread, said removable tread section forming in part closure means for the wall opening beneath said door.

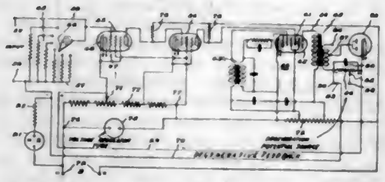
2,190,743

MEASURING SYSTEM

Arthur W. Vance, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 7, 1936, Serial No. 73,123

21 Claims. (Cl. 171—95)



18. A voltage measuring device, comprising in combination a plurality of thermionic devices direct-connected in cascade, a resistor connected

in series in the output circuit of the last device in cascade, means for degeneratively connecting said resistor in the input circuit of the first of said devices in cascade, and an electrical meter connected with said resistor for providing a measurement of the voltage impressed on the input circuit.

2,190,744

PROCESS FOR FORMING SLIVERS FROM COCONUT FIBERS

Barend Gijsbertus Hendrikus van der Jagt, Flixecourt, France

No Drawing. Application January 30, 1937, Serial No. 123,254. In the Netherlands February 26, 1936

10 Claims. (Cl. 19—66)

2. A process for forming a sliver from coir fibers obtained from the husks of coconuts, which process comprises the steps of applying an adhesive to the fibers, maintaining said adhesive in a tacky condition for a length of time sufficient to form a sliver, and forming the fibers into a sliver while the adhesive is in said tacky condition.

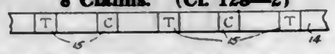
2,190,745

PATCH TEST STRIP

Hermann Vollmer, New York, N. Y.

Application April 20, 1937, Serial No. 137,990

8 Claims. (Cl. 128—2)



1. As a new article of manufacture, a patch test strip comprising a length of adhesive material having on its adhesive face a patch of filter paper saturated with a testing substance selected from the group consisting of tuberculin and allergens.

2,190,746

WATER SOLUBLE NAPHTHOL COMPOUNDS AND THE PROCESS OF PREPARING SAME

William Henry von Glahn, Loudonville, N. Y., assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application April 20, 1938, Serial No. 203,203

12 Claims. (Cl. 260—560)

1. The process for the manufacture of stable, water-soluble, azodyestuff coupling components selected from the group consisting of aromatic and heterocyclic compounds containing an hydroxyl group and arylamides of aromatic ortho-hydroxy carboxylic acid compounds which comprises treating said compounds with an aqueous solution of an inorganic alkali metal salt of the general formula $R—(Me_2O)_n$ wherein R is selected from the group consisting of Al_2O_3, B_2O_3, SiO_2, SnO_2 and P_2O_5, Me is selected from the group consisting of sodium and potassium and n is greater than one except when R is P_2O_5 in which case n is greater than three, and evaporating the resultant solution to dryness.

2,190,747

WATER SOLUBLE NAPHTHOL COMPOUNDS AND THE PROCESS OF PREPARING SAME

William Leo Walsh, East Greenbush, and William Henry von Glahn, Loudonville, N. Y., assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application April 20, 1938, Serial No. 203,204

10 Claims. (Cl. 260—621)

1. The process for the manufacture of stable, water-soluble, aromatic and heterocyclic compounds free from water solubilizing groups such as the carboxylic-, sulfonic- and sulfinic acid groups, which compounds due to the presence of one or more hydroxy groups therein are capable of coupling with diazonium components, which comprises treating said compounds with at most an equimolecular amount of an alkali metal hydroxide in aqueous solution and simultaneously with an alkali metal silicate.

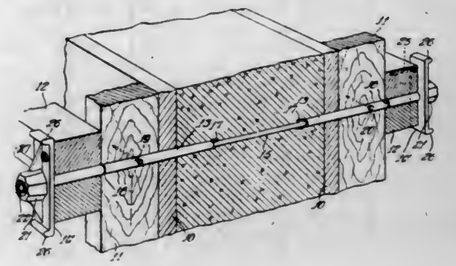
2,190,748

SECURING DEVICE FOR CONCRETE FORMS

Chester I. Williams, Grand Rapids, Mich.

Application January 13, 1937, Serial No. 120,412

1 Claim. (Cl. 25—131)



A device for securing oppositely positioned concrete form members in fixed spaced apart relation, said device comprising an elongated strut and end brackets, said strut consisting of an intermediate section having threaded ends and of end sections having a limited threaded connection with the intermediate section and an oppositely threaded connection with the adjacent brackets, the outer threaded ends of said end sections being offset to provide a shoulder against which the bracket is adapted to abut when the device is assembled, said brackets each providing means for attachment of a wrench whereby the brackets are adapted to be rotated in one direction to accomplish full threaded engagement and abutting relation with the adjacent shoulder when the device is assembled, and by continued rotation in the same direction the bracket is adapted to rotate the end section to disconnect it from the intermediate section, and means for detachably connecting said end sections with the adjacent form members, said means being adapted to prevent rotation of the sections relative to the form members.

2,190,749

ANTISEPTIC PREPARATION

Howard Worne, Newark, N. J., assignor to Samuel Brass, New York, N. Y.

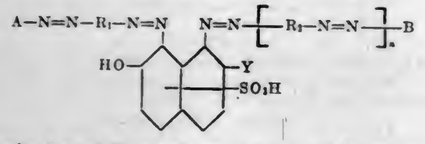
No Drawing. Application June 24, 1937, Serial No. 150,079

1 Claim. (Cl. 167—58)

An antiseptic preparation comprising a compound solvent having ortho-phenylphenol dissolved therein, said compound solvent comprising ethyl alcohol in which benzyl alcohol is dissolved in an amount between about 3% and 20% by volume of the preparation, so that upon dilution of the preparation in an aqueous medium the benzyl alcohol becomes colloidally dispersed therein and carries with it in solution the bulk of the ortho-phenylphenol.

2,190,750
POLYAZO DYESTUFFS
Paul Zervas, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application August 23, 1938, Serial No. 226,247. In Germany August 27, 1937
4 Claims. (Cl. 260—166)

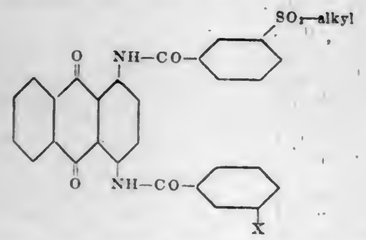
1. As new products water-soluble substantive polyazo dyestuffs of the general formula:



wherein A and B stand for radicals of final components selected from the group consisting of m-diaminobenzene, hydroxybenzene, m-dihydroxybenzene, the alkyl, halogen, NO_2, SO_3H, COOH nuclear substitution products thereof and the N-hydroxyalkyl-, N-carboxyalkyl-, N-sulfoalkyl-derivatives of the said diamines, R_1 stands for one of the group consisting of monocyclic and bicyclic aromatic radicals, R_2 stands for one of the group consisting of the benzene nucleus, of alkyl substituted and alkoxy substituted benzene nuclei, Y stands for a member selected from the group consisting of hydrogen and NH_2, and n stands for one of the values 1 and 0.

2,190,751
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES
Werner Zerweck and Josef Riedmair, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 1, 1939, Serial No. 259,133. In Germany March 11, 1938
4 Claims. (Cl. 260—372)

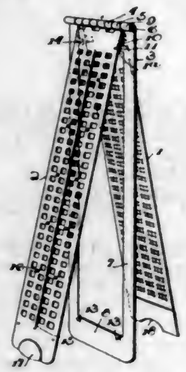
1. The compounds of the general formula:



wherein X represents a member of the group consisting of hydrogen and the —SO_2-alkyl group, being vat dyestuffs dyeing cotton vivid reddish tints with good fastness properties.

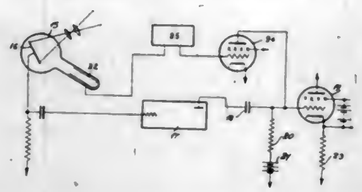
2,190,752
BRAILLE SLATE
Robert Brown, Johnstown, Pa.
Application April 7, 1939, Serial No. 266,665
7 Claims. (Cl. 35—38)

1. A Braille slate comprising upper and lower plates hinged together at one end of the slate, and a hinged border frame composed of spaced sides and a connecting portion extending between the free ends of the upper and lower plates and forming an abutment for the same and provided with paper engaging means, the spaced sides of the border frame being provided adjacent the hinge connection of the plates with paper engaging means extending beneath the upper plate and



cooperating with the same to enable a sheet of paper to be clamped by the upper plate on the border frame.

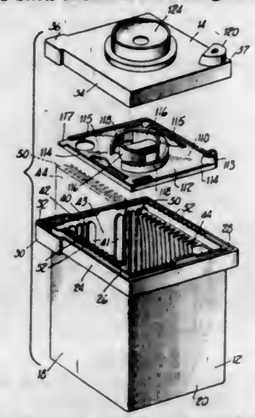
2,190,753
APPARATUS FOR AMPLIFYING ELECTRICAL VARIATIONS
Cecil Oswald Browne, London, and Frank Blythen, Hayes, England, assignors to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application September 14, 1935, Serial No. 40,532
In Great Britain September 18, 1934
9 Claims. (Cl. 179—171)



2. Apparatus for producing from an input signal from which the direct current component is absent, an output signal in which the direct current component is represented, said apparatus comprising a condenser, a bi-directional switching device so connected and arranged as to be capable, when conducting, of influencing the charge on said condenser, a source of intermittent auxiliary signals, and means for feeding said auxiliary signals to said switching device for rendering said switching device bi-directionally conductive intermittently.

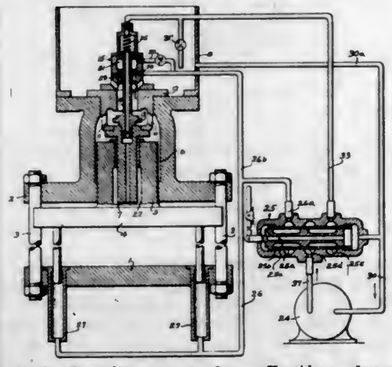
2,190,754
FILM PROCESSING TANK
Horace M. Carleton, New York, N. Y.
Application March 10, 1939, Serial No. 260,975
13 Claims. (Cl. 95—90)

2. A film processing tank comprising a substantially rectangular casing having front, back, a pair of side walls, a floor, and a closure, said front and back walls having formed therein a plurality of opposing vertical channels, and a pair of separate members slidable within said channels into and out of the casing, the opposing faces of said members having formed therein



a plurality of opposed arcuate and parallel film receiving grooves.

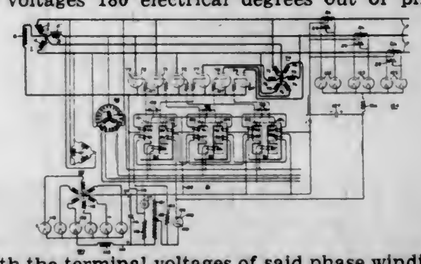
2,190,755
HYDRAULIC PRESS
Richard W. Dinzl, Narberth, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application March 6, 1937, Serial No. 129,355
9 Claims. (Cl. 60—97)



1. A hydraulic press for effecting draw and final pressing operations comprising, in combination, a main cylinder, a hollow main ram having a draw cylinder internally thereof, a stationary draw ram disposed within said draw cylinder and supported by the outer end of said main cylinder, movable means having a passage therein for initially supplying operating fluid to said draw cylinder, and means for thereafter simultaneously supplying operating fluid through the passage in said movable means to said draw and main cylinders.

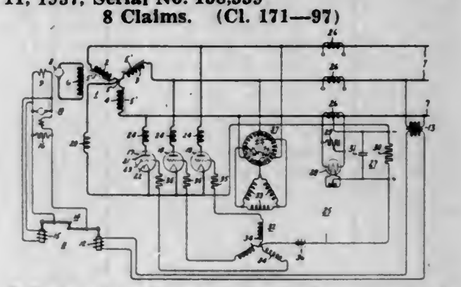
2,190,756
ELECTRIC CONTROL SYSTEM
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 17, 1937, Serial No. 137,525
10 Claims. (Cl. 171—119)

2. In combination, a polyphase alternating current circuit, a dynamo-electric machine of the synchronous type having a plurality of phase windings connected thereto and being provided with an electrical neutral connection, an associated core member and a relatively movable field winding having a pair of terminals one of which is connected to said neutral connection, a group of electric valve means each being connected to a different one of said phase windings and to the other terminal of said field winding, an inductive network comprising a plurality of windings connected to said phase windings and having output terminals for providing a system of voltages 180 electrical degrees out of phase



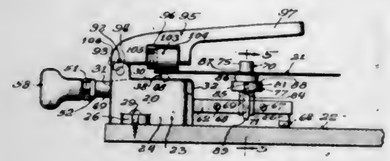
with the terminal voltages of said phase windings and a neutral terminal connected to said neutral connection of said phase windings, a second group of electric valves connected to said output terminals and to said other terminal of said field winding, and means for controlling said first mentioned group of electric valve means and said second group of valve means to control the energization of said field winding in accordance with a predetermined electrical condition.

2,190,757
ELECTRIC VALVE CIRCUIT
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application April 17, 1937, Serial No. 137,525. Divided and this application August 11, 1937, Serial No. 158,559
8 Claims. (Cl. 171—97)



8. In combination, an alternating current circuit interconnecting an alternating current source and an alternating current load, a direct current circuit, two groups of electric valve means connected between said alternating current circuit and said direct current circuit for transmitting energy therebetween and each electric valve means being provided with a control member for controlling the conductivities thereof, and an excitation system for impressing on the control members control voltages variable in accordance with a predetermined electrical condition of said alternating current circuit, means for controlling said voltages to control both groups of electric valve means in accordance with said electrical condition within a predetermined range of a second electrical condition of said alternating current circuit and means for controlling one of said groups of electric valve means predominately in accordance with said second electrical condition when said second electrical condition exceeds said predetermined range.

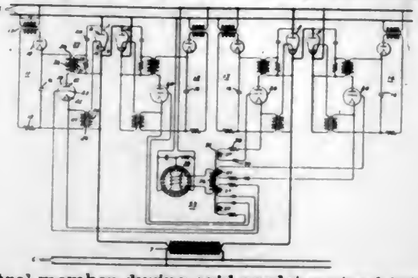
2,190,758
DISK TRIMMER
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application February 7, 1938, Serial No. 189,087
2 Claims. (Cl. 164—63)



1. In a trimmer for abrasive disks of the type having a centrally located aperture, the combination of a base adapted to be secured to a fixed support, said base having a transversely extending bearing and a drive shaft in said bearing, a crank carried by the outer end of said shaft, and a cutter wheel carried by the opposite end of said shaft and fixedly secured thereto, said cutter wheel having a sharp peripheral edge separated by a plurality of slots forming radially projecting knife-like teeth adapted to engage in the back of a disk to form indentations and drive the disk, and a support for the disk comprising a guide member carried by said base and projecting substantially parallel to said shaft, said guide member being provided with a slider, and said slider being adapted to be received in the aperture of said disk for rotatably supporting the disk, said base having a pressure lever pivotally mounted thereon above said shaft, said pressure lever overhanging said trunnion and being provided with a cylindrical pressure roller located above said cutter and rotatably mounted upon a shaft extending substantially parallel to the cutter shaft when the roller is engaging a disk whereby a disk may be located on said trunnion, with its abrasive side engaging said roller, and by rotating said crank and pressing downward on said lever said cutter will dig into the back side of the abrasive disk to form indentations and the teeth of said cutter will drive said disk, causing it to rotate about said trunnion, said roller forcing said disk against said cutter without bringing the cutter into engagement with the abrasive, whereby the indentations form a circular line about said disk, and the part of the disk outside of that line may be broken off by the hand, the length of said lever being such that sufficient force may be applied to the rear side of an abrasive disk with the cutter, without forcing the cutter through the abrasive and into engagement with the roller.

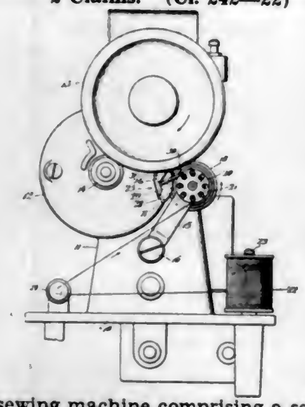
2,190,759
ELECTRIC VALVE CIRCUIT
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 31, 1936, Serial No. 108,587
9 Claims. (Cl. 250—27)

1. In combination, an electric discharge device having an arc discharge path and having an anode, a cathode and a control member of the immersion-ignitor type for initiating an arc discharge in said path, means tending to energize continuously said control member during a predetermined interval of a cycle of anode-cathode voltage, and means responsive to the decay of voltage across said path upon the initiation of an arc discharge therein for controlling said first-mentioned means to effect de-energization of said



control member during said predetermined interval.

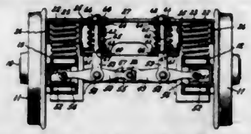
2,190,760
SEWING MACHINE SPOOLER DRIVE RELEASE MEANS
Floyd E. Anderson, Belvidere, Ill., assignor to National Sewing Machine Company, Belvidere, Ill., a corporation of Illinois
Application May 15, 1939, Serial No. 273,595
2 Claims. (Cl. 242—22)



1. A sewing machine comprising a sewing head having an upright standard, a fly wheel rotatably mounted on the standard, a pivot parallel with the axis of the fly wheel mounted on the standard below the fly wheel, a spooler arm on said pivot, a pin rotatably mounted in the spooler arm, a pulley fixed on the pin, a spool frictionally mounted on the pin, the spooler arm and all the parts mounted thereon being located between vertical planes tangent with the periphery of the fly wheel, and said spooler arm being manually movable to place the pulley into engagement with the fly wheel, and spooler drive releasing means comprising a rigid arm fixedly mounted on the standard between the fly wheel and spooler arm pivot, said arm having a contact member which contacts the thread on the spool when a predetermined quantity has been wound on the spool.

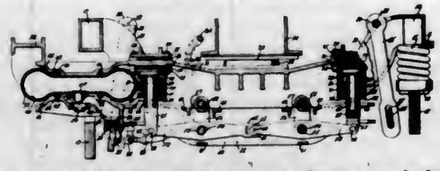
2,190,761
RAILWAY TRUCK
Robert G. Anderson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 15, 1937, Serial No. 179,907
4 Claims. (Cl. 105—182)

2. A truck having wheels and axles, equalizers extending between and supported by adjacent axles, a truck frame, means for resiliently supporting said truck frame at each side on said equalizers, a swing bolster supported on said truck frame, and an interconnected link mechanism including a pair of links pivotally secured intermediate the ends thereof for resilient relative vertical movement to said truck frame and ex-



tending between the sides of said truck frame for equalizing the forces on said resilient frame supporting means, the outer ends of each of said pivoted links being pivotally secured to said equalizers and the inner ends thereof being pivotally secured together by a lost-motion connection.

2,190,762
RAILWAY TRUCK
Robert G. Anderson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 16, 1938, Serial No. 196,240
6 Claims. (Cl. 105—190)



1. A vehicle truck having a frame, a bolster element extending transversely of said truck frame, means for supporting said bolster element on said frame, a second bolster element, means including a pneumatic cushion for supporting said second bolster element on said first-mentioned bolster element, and a pneumatic reservoir surge chamber formed by one of said elements and arranged in communication with said pneumatic cushion.

2,190,763
RAILWAY TRUCK
Robert G. Anderson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Original application December 15, 1937, Serial No. 179,907. Divided and this application August 28, 1939, Serial No. 292,310
6 Claims. (Cl. 105—190)



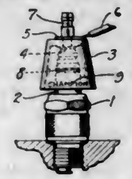
1. A truck having wheels and axles, equalizers extending between and supported by adjacent axles, a truck frame, means for resiliently supporting said truck frame at each side on said equalizers, a swing bolster supported on said truck frame, means including an interconnected link mechanism including a pair of links pivotally secured at the outer ends thereof for resilient relative vertical movement to said truck frame and extending between the sides of said truck frame, the inner ends of said pivoted links being pivotally secured together by a lost-motion connection, and means for pivotally securing said links intermediate the ends thereof to said swing bolster.

2,190,764
CURTAIN AND DRAPERY SUPPORT
Clara W. Arnold, Cleveland, Ohio
Application August 27, 1938, Serial No. 227,129
1 Claim. (Cl. 156—33)



A curtain supporting device for use with curtains draped over a curtain rod so as to have a front and a rear side, including a central elongated member, an upper member having one end shaped to provide a hook formed to engage over and be supported by a curtain rod, the opposite end of the upper member being engaged with the upper end of the central member, a bolt and slot connection between said lower end of the upper member and the upper end of the central member whereby to provide for adjustment of the members and thereby varying draping of the curtain, a bottom member of substantially U-shape for receiving the folds of the inner side of a curtain therein, and means to secure the inner arm of the U-shaped member to the lower end of the central member and at an angle to the axis of the latter, said hook being formed to lie flat against the top of a curtain rod so as to provide for flat engagement of the curtain over the hook by the line of fold of a draped curtain, the hook having a free end which lies substantially parallel to the adjacent part of the upper member, the hook and said adjacent part of the upper member being both adapted to underlie the bottom of a curtain rod and to lie between the folded portions of the curtain whereby with the upper member, the central member, the hook and the inner arm of the U-shaped member to be completely concealed by the front side of the curtain, said hook being freely adjustable independently of the curtain and along the curtain rod to and in the space between the folded portions of the curtain to occupy varying positions according to the selected position in which the curtain is to be draped.

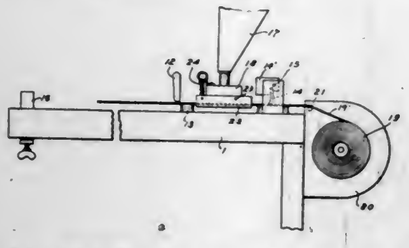
2,190,765
SPARK PLUG WITH UMBRELLA
John F. Barr, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application January 21, 1939, Serial No. 252,125
2 Claims. (Cl. 123—169)



1. A spark plug having a shell, an insulator projecting above the shell and a central electrode

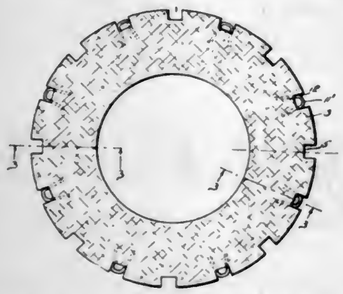
through the insulator and projecting thereabove, and a shield around the central electrode above the insulator and projecting downward and outward over the upper end of the insulator, and the lower end of the shield being above and spaced from the upper end of the shell, said shield being of transparent molded heat resisting plastic.

2,190,766
TAPE GUMMING APPARATUS
Arthur Bennett, San Francisco, Calif.
Original application April 6, 1935, Serial No. 15,005. Divided and this application November 18, 1936, Serial No. 111,419
3 Claims. (Cl. 91—43)



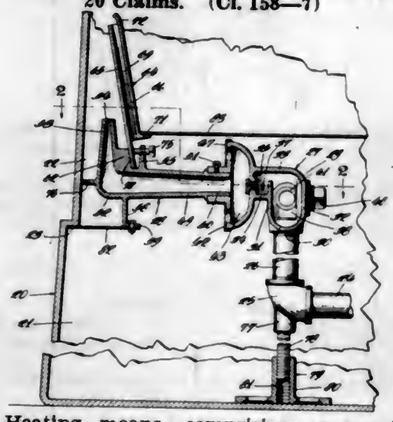
1. An apparatus for gumming tape, a container for liquid gum, a nozzle at the lower portion of said container across which the tape is arranged to pass for depositing a band of the gum on the tape, means resiliently pressing the tape against the nozzle comprising a channel plate at the outer side of the tape pivotally connected at one end to the nozzle, and a spring at the other end of the plate urging the plate toward the nozzle, said channel plate arranged with its legs freely embracing the edges of the tape and sides of the nozzle.

2,190,767
FRICTION DISK FOR MULTIPLE DISK BRAKES
Ary A. Benson, Los Angeles, Calif.
Refiled for abandoned application Serial No. 715,130, March 12, 1934. This application August 18, 1938, Serial No. 225,623
6 Claims. (Cl. 188—218)



1. As an article of manufacture, a friction disk of the class described, comprising an annular body having opposite parallel plane surfaces, a plurality of spaced transverse slots formed in the outer periphery of the disk, a plurality of recesses formed in the disk intermediate said slots, and pin connections embedded in said disk and extending within said recesses.

2,190,768
HEATING DEVICE
Charles L. Bryant, Cleveland, Ohio, assignor to C. L. Bryant Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 17, 1936, Serial No. 74,929
20 Claims. (Cl. 158—7)



1. Heating means, comprising: a manifold, connectible to a source of fluid-fuel; a burner, communicating with said manifold; means for supplying primary air to the fuel delivered to said burner; baffle means for directing heat energy provided by the flame at said burner, said baffle means having a passage for supplying secondary air to a point adjacent the outlet of said burner, said passage being so constructed and arranged that said secondary air supply is independent of said primary air supply.

2,190,769
WASHING AND CLEANSING AGENT AND PROCESS OF MAKING SAME
Karl Butz, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1934, Serial No. 732,734. In Germany June 30, 1933
3 Claims. (Cl. 87—5)

1. The process of producing a washing and cleaning agent composed of a water soluble salt of a pyrophosphoric acid ester of a higher molecular alcohol having at least eight carbon atoms and a portion of the unreacted alcohol which comprises mixing pyrophosphoric acid and a higher molecular alcohol having at least eight carbon atoms at a temperature of from about 85 to 115° C., until maximum esterification has taken place and thereafter neutralizing to form a water soluble salt of the pyrophosphoric acid ester of the higher molecular alcohol treated.

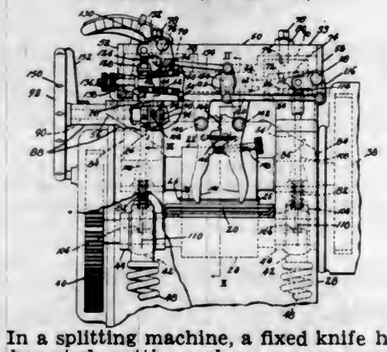
2. A washing and cleaning agent comprising a water soluble salt of a pyrophosphoric acid ester of a higher molecular secondary hydroxy aliphatic hydrocarbon.

2,190,770
SYNTHETIC LINEAR POLYAMIDES
Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1936, Serial No. 74,811
10 Claims. (Cl. 260—13)

1. A process which comprises heating at polyamide-forming temperatures approximately equimolecular proportions of tetramethylenediamine and a member of the class consisting of adipic acid and amide-forming derivatives of adipic acid and continuing such heating until a polymer is produced which is capable of yielding continuous filaments that can be tied into hard knots.

7. A composition of matter comprising a cellulose derivative and a fiber-forming linear polyamide obtainable from a diamine in which the amino groups are attached to aliphatic carbon atoms and in which each amino nitrogen bears at least one hydrogen atom, and a dibasic carboxylic acid in which the carboxylic groups are attached to aliphatic carbon atoms.

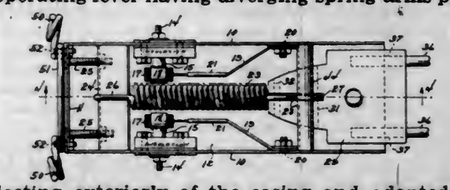
2,190,771
SPLITTING MACHINE
Thomas Baggott Clarke and Hubert Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 31, 1938, Serial No. 237,964
In Great Britain November 24, 1937
8 Claims. (Cl. 69—13)



1. In a splitting machine, a fixed knife having an elongated cutting edge, a gage member, means for initially adjusting said gage member with relation to the cutting edge of the knife to form a gap of a predetermined width in accordance with the desired thickness of a piece of material to be split from a work piece, a yieldable member mounted for bodily movement and also for tilting movement with relation to the knife in accordance with the density of or variations in the density of the material fed by said members against the knife, and means constructed and arranged to move the gage member a predetermined distance in one direction in accordance with the amount of bodily movement of the yieldable member in an opposite direction and also to move the gage member an additional distance in said one direction in accordance with the degree of tilting movement of the yieldable member in said opposite direction.

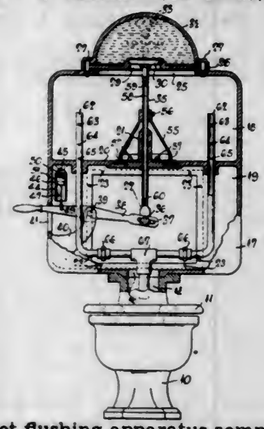
2,190,772
DIRECTION SIGNAL SWITCH
Harry G. Clifton, Miami, Fla.
Application February 20, 1939, Serial No. 257,502
4 Claims. (Cl. 200—52)

1. A direction signal switch comprising a casing having longitudinal walls, oppositely disposed stationary switch contacts on said walls, respective spring retracted movable switch contacts on the walls engageable with the stationary switch contacts, a helical spring extending longitudinally of the casing between said movable switch arms and connected at one end to the casing, and an operating lever pivotally mounted in the casing and connected to the other end of the spring, said operating lever having diverging spring arms pro-



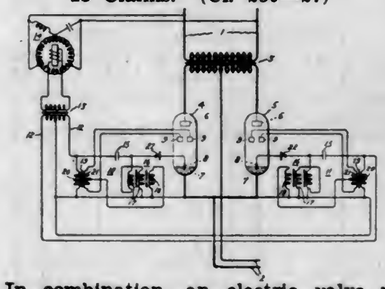
jecting exteriorly of the casing and adapted to embrace a driver's knee for swinging the spring to move a selected movable switch arm into circuit closing position.

2,190,773
TOILET FLUSHING APPARATUS
Thomas J. Dunn, Laurinburg, N. C., assignor of one-half to Lonnie Hammond, Laurinburg, N. C.
Application October 23, 1939, Serial No. 300,793
7 Claims. (Cl. 4—40)



1. Toilet flushing apparatus comprising a tank, a pipe penetrating the tank and having a plurality of ports therein at different levels, means for admitting a predetermined quantity of water to the tank to flow through said ports to flush the toilet.

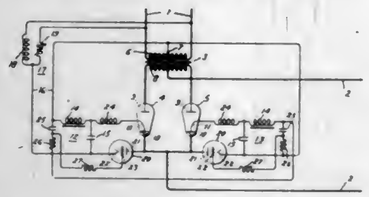
2,190,774
ELECTRIC VALVE CIRCUIT
Martin A. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 16, 1937, Serial No. 148,517
13 Claims. (Cl. 250—27)



6. In combination, an electric valve means comprising an anode, a holding anode and an

energizing circuit therefor to maintain said electric valve means in a conducting condition, a cathode and an immersion-ignitor control member associated with said cathode for initiating an arc discharge, a source of alternating current, a circuit comprising a capacitance and a saturable inductance having a winding connected in series relation with said capacitance across said source and having a winding energized in accordance with the current conducted by said energizing circuit to saturate said reactor when said electric valve means is conductive and to desaturate said reactor when said electric valve means is nonconductive so that said capacitance and said reactor constitute a resonant circuit, and means energized in accordance with the voltage appearing across said first mentioned winding for impressing on said control member a unidirectional voltage to render said electric valve means conductive when said circuit is in a resonant condition.

2,190,775
ELECTRIC VALVE CIRCUIT
Martin A. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 16, 1937, Serial No. 148,518
10 Claims. (Cl. 250—27)



1. In combination, an electric valve means having a control member, a source of alternating current, a resonant circuit connected to be energized continuously from said source for producing a voltage substantially greater than that applied to said resonant circuit, and means for impressing on said control member a component of voltage derived from said resonant circuit and for rendering said electric valve means conductive during half cycles of voltage of predetermined polarity of said source and comprising a controlled electric valve connected between said resonant circuit and said control member, said resonant circuit serving to increase said component of voltage accumulatively in the event said controlled electric valve fails to conduct current to said control member during each half cycle of voltage of said predetermined polarity.

2,190,776
COMPOSITION OF MATTER
Ellsworth K. Ellingboe and Paul L. Salzberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 27, 1937, Serial No. 122,661
10 Claims. (Cl. 260—42)

1. A plastic or coating composition comprising a substantially non-volatile, chlorine-containing resin subject to deterioration on exposure to heat or light and, as a preventive of such deterioration, a non-volatile, film-forming, polymeric, basic amino-nitrogen-containing, chlorine free substance soluble in organic solvents.

2,190,777
IGNITION MIXTURE
Horace I. Etchells, Jr., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 21, 1939, Serial No. 252,209
8 Claims. (Cl. 52—4)

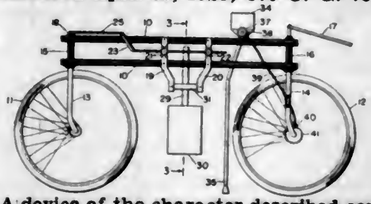
1. An ignition composition comprising as ingredients, diazodinitrophenol, an oxidizing agent and a flame-producing agent from the group consisting of a nitrated carbohydrate and smokeless powder.

2,190,778
MOVING MECHANISM FOR PINS, BROOCHES, ETC.
Joseph Fernandez, Newark, N. J.
Application October 25, 1939, Serial No. 301,140
6 Claims. (Cl. 63—31)



1. A moving mechanism for pins, brooches and the like, comprising an ornament body having an opening, a spring motor mounted in said opening, a support for a picture or the like connected with said spring motor to be moved thereby, a cam for controlling the path of movement of said support, a picture mounted on said support, a complementary picture stationarily mounted on said body, and a crystal covering said pictures.

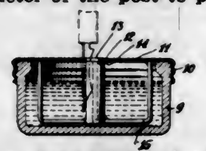
2,190,779
GRADE LINE FINDER
Pearl L. Fogle, Dayton, Ohio
Application May 26, 1939, Serial No. 276,029
3 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the character described comprising a bicyclic vehicle, a pendulum suspended by an arm pivoted to the frame of said vehicle, said pivoted arm extending upward a short distance from its pivot, horizontal drag links independently mounted between rollers on the frame of said vehicle, an open slot in each of said drag links for selective engagement with the extended portion of said pendulum arm, and guiding means on said vehicle responsive to each of said drag links independently.

2,190,780
INKWELL
Earl R. Groo and Jack I. Green, Brooklyn, N. Y.
Application September 21, 1938, Serial No. 230,920
3 Claims. (Cl. 120—57)

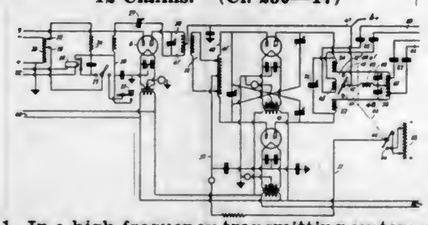
1. An inkwell having a post of a predetermined diameter extending upward from the inner bottom and having a flat top, and a removable cover for the well having a pen receiving opening in its top of a diameter sufficiently larger than the diameter of the post to provide an annular clearance of a predetermined size between the edge of the opening and the periphery of the post, and means comprising a spring latch for removably holding the cover on the well.



2,190,781
ALLOYS RESISTANT TO BURNING AND SCALING
William Guertler, Berlin-Dahlem, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.
No Drawing. Application January 12, 1939, Serial No. 250,653. In Germany April 29, 1935
4 Claims. (Cl. 75—171)

1. An alloyed material which is resistant to burning and scaling in the presence of oxygen at temperatures above 1000° C. consisting of 10% to 30% of chromium, thorium in an amount sufficient to increase the resistance of the alloy to burning and scaling in the presence of oxygen, said amount being up to and including 6% of the alloy, and the remainder substantially all nickel.

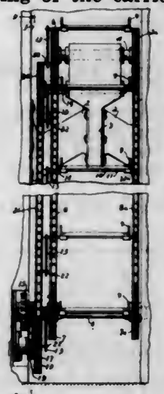
2,190,782
SIGNALING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 26, 1931, Serial No. 525,419, now Patent No. 2,032,208, dated February 25, 1936. Divided and this application December 30, 1932, Serial No. 649,470
12 Claims. (Cl. 250—17)



1. In a high frequency transmitting system employing thermionic tubes, a circuit for impressing on the input electrodes of said tubes a characteristic control frequency, a symmetrical compound output circuit connected between the anodes of said tubes, said compound circuits including two sections, each section having lumped inductances and capacities connected in parallel, switching means associated with said output circuit for short-circuiting one of said sections to change the resonance frequency of said circuit, and means cooperating with said switching means for maintaining symmetry of said output circuit in all positions of said switching means.

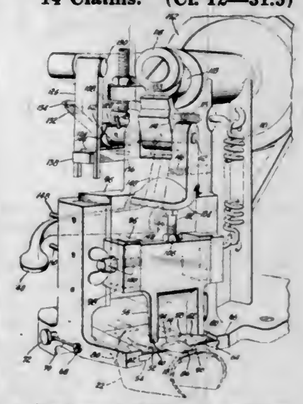
2,190,783
ELEVATOR
John S. Hardy, San Jose, Calif.
Application January 25, 1938, Serial No. 186,836
1 Claim. (Cl. 198—154)

The combination with an endless chain elevator having item carrying devices pivotally mounted thereon, of means for maintaining each device in predetermined relationship with the horizontal, said means comprising, an endless control chain structure substantially duplicating the elevator chain structure and operable in a plane paralleling the plane of rotation of the elevator chain structure, with its axis of rotation lying in the plane of the axis of rotation of the elevator chain structure but offset relative thereto, a pin mounted on the control chain, and a forked arm fixedly mounted on the item carrier with its forked end engaging said pin, the spacing of the pivotal mounting of the carrier and the pin on



the control chain being equal to the offset between the axes of rotation of the control and elevator chains, and means for driving the two chain structures at a uniform rate of speed in the same direction comprising, a drive shaft operatively associated with the elevator chain structure and driving means connected thereto, a drive shaft operatively associated with the control chain structure and disposed to parallel the last mentioned shaft, and cooperating drive means connecting the last two mentioned shafts adapted to drive the second shaft at the same speed and in the same direction as the first shaft.

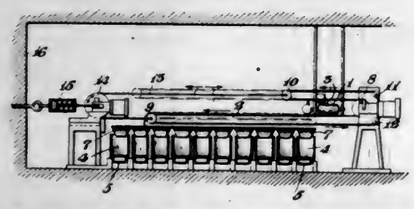
2,190,784
HEEL-SEAT FITTING MACHINE
George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 12, 1938, Serial No. 234,664
In Great Britain October 25, 1937
14 Claims. (Cl. 12—31.5)



1. In a heel-seat fitting machine, a plate to

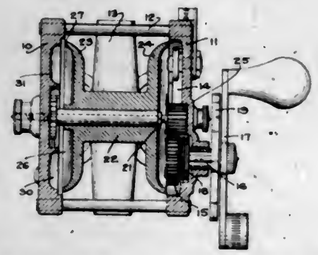
be interposed between the bottom of a shoe which is to receive an interlocking heel and the heel end of an attached sole of the shoe, and an associated tongue which projects forwardly of the plate and is of less width than the sole of the shoe, said tongue being arranged to be interposed between the shoe bottom and the rear median part of the shank portion of the attached sole supported by and positioned upon the plate and between adhesive bonds or lines of stitches securing the respective rear lateral margins of the shank portion of the sole to the shoe bottom.

2,190,785
TOBACCO MIXING AND DISTRIBUTING DEVICE
Victor Heidelberg, Dresden, Germany
Original application December 16, 1935, Serial No. 54,703. Divided and this application July 6, 1937, Serial No. 152,167. In Germany December 16, 1935
4 Claims. (Cl. 131—149)



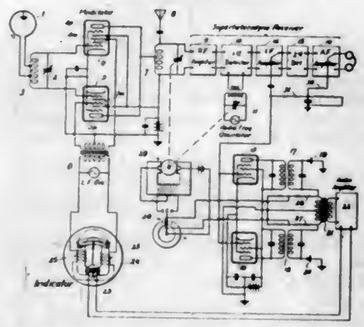
1. In an apparatus for conveying material to containers in a row in succession, an endless belt conveyor, rollers at the ends of said conveyor, and means connected to said rollers for reciprocating said rollers simultaneously in opposite directions in paths parallel to the row of containers, whereby as said conveyor reciprocates, one end thereof will be adapted to deposit material carried thereon into said containers in succession.

2,190,786
FISHING REEL
Otto Henze, Philadelphia, Pa.
Application July 29, 1938, Serial No. 221,875
3 Claims. (Cl. 242—84.5)



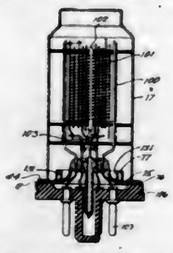
1. In a fishing reel, in combination, a pair of end plates, a spool rotatable therebetween, said spool having at one end thereof an enlarged flange the outer face of which is inwardly dished, and a plurality of radial webs disposed in said dished face of the flange to form recessed air pockets therein, whereby as said spool is rotated air is trapped in said pockets to provide a braking influence upon said rotating spool, the degree of air resistance to rotation of the spool being in accordance with the speed of rotation of the latter.

2,190,787
RADIO COMPASS
Frederick J. Hooven, Dayton, Ohio
Application February 12, 1936, Serial No. 63,664
Renewed June 30, 1939
14 Claims. (Cl. 250—11)



11. In a navigation apparatus, a non-directional receiving means, a directional receiving means, a radio receiving system coupled with both said means and including means for delivering a frequency modulated wave therefrom, a circuit responsive to frequency modulation connected to said receiving system, and an indicator connected to said frequency modulation responsive circuit.

2,190,788
METAL TUBE CONSTRUCTION
Clarence A. Horn, Roselle Park, N. J., assignor to Arcturus Development Company, Newark, N. J., a corporation of Delaware
Application January 24, 1936, Serial No. 60,588
14 Claims. (Cl. 250—27.5)



1. A tube construction comprising a tubular metal envelope closed at one end and provided with an inwardly projecting flange at the other end, a dish-shaped glass stem projecting into said envelope and hermetically sealed at its outer circumference to said flange, and a plurality of conductors sealed to and extending through said stem.

2,190,789
POLYMERIZABLE OILS
Leo Philip Hubbuch, Springfield, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1936, Serial No. 113,705
13 Claims. (Cl. 260—22)

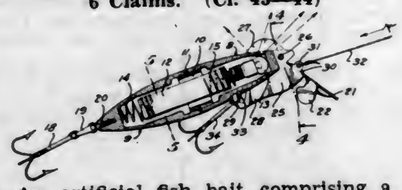
1. A composition of matter comprising the polymerizable liquid product obtained by reacting methacrylic anhydride with polyhydric alcohol incompletely esterified with polycarboxylic acid and fatty oil acid.

2,190,790
BORE-HOLE SURVEYING INSTRUMENT
Frank Humphreys, Klerksdorp, Transvaal, Union of South Africa
Application June 3, 1936, Serial No. 83,387
In the Union of South Africa September 12, 1935
12 Claims. (Cl. 255—1)



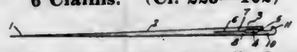
1. A bore-hole surveying instrument including two separate devices arranged to take up positions depending upon the inclination and magnetic bearing of the axis of the lower end of the bore hole respectively, means for recording said positions, and means for marking a radial line on a substantially transverse surface at the lower end of the bore hole.

2,190,791
ILLUMINATED BAIT
Karl R. Larson, Minneapolis, Minn.
Application March 23, 1938, Serial No. 197,660
6 Claims. (Cl. 43—44)



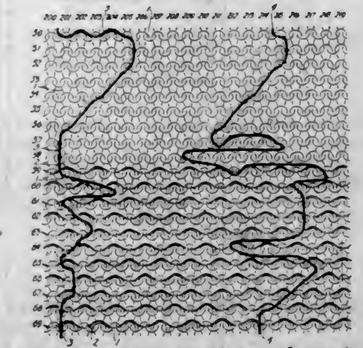
1. An artificial fish bait comprising a body member, a vertically disposed keel plate formed to embrace the upper and lower portions of one end of said body and be secured thereto, and a spoon anchored to the depending portion of said keel plate and obliquely depending therefrom.

2,190,792
NEEDLE
Herman I. Lippard, Winston-Salem, N. C.
Application January 28, 1938, Serial No. 187,336
6 Claims. (Cl. 223—102)



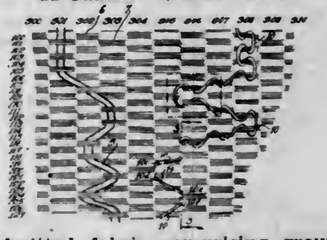
1. A needle of the type described, said needle having a main body portion terminating in a point at the front end and in a head at the rear end, said head being provided with an eye and a threading slit at the rear end of the eye, said eye and slit serving to longitudinally bifurcate the head end into two spring arms, one of said spring arms extending to the rear of the other and being provided with a protuberance at its free end.

2,190,793
KNITTED FABRIC
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co., Inc., New York, N. Y., a corporation of New York
Application April 8, 1937, Serial No. 135,635
11 Claims. (Cl. 66—190)



1. Knitted fabric of the jersey character comprising body yarn at least certain of which is knitted; and additional, ornamental-effect producing, yarn; said additional yarn, thruout at least a substantial portion of its extent, extending generally at the rear of the fabric, and in an irregular manner across various of the courses and wales of the fabric, and being caught in certain wales and courses of the fabric thruout said portion without being knitted, and being floated across one or more wales or courses between at least the majority of positions where it is so caught.

2,190,794
KNITTED FABRIC
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co., Inc., New York, N. Y., a corporation of New York
Original application April 8, 1937, Serial No. 135,635. Divided and this application June 23, 1939, Serial No. 280,706
11 Claims. (Cl. 66—190)



1. A knitted fabric comprising ground yarn at least certain of which is knitted and at least certain of which extends across portions of knitted yarn without being knitted, and a strand of additional yarn which extends across certain wales and courses in a generally walewise direction at the rear of the fabric and which is caught against the fabric at spaced points by unknitted portions of the ground yarn.

2,190,795
MECHANICAL TOY
Frank J. Meilleur, New Orleans, La.
Application August 4, 1939, Serial No. 288,442
3 Claims. (Cl. 272—30)

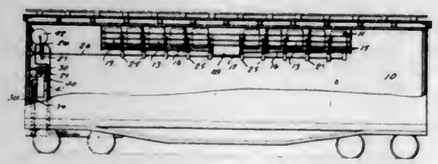
1. A mechanical toy comprising a base, a track on said base, a turn-table rotatably connected

to the base and operating within the track, a traction device including wheels engaging the track and a crank shaft having one of the wheels secured thereto and the other wheel journaled thereon, supports on the turn-table and carrying



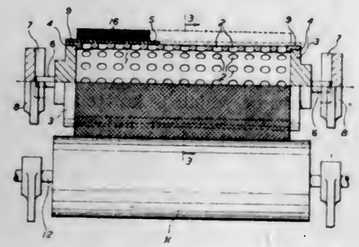
the traction device, a rocker board pivotally and adjustably connected to the supports, seats adjustably connected to the rocker board, and manually operated levers pivotally mounted on the rocker board adjacent the seats and operatively connected to the crank shaft.

2,190,796
REFRIGERATING PROCESS AND APPARATUS
Arthur A. Michalske, Cleveland, Ohio
Application September 26, 1938, Serial No. 231,614
8 Claims. (Cl. 62—91.5)



1. In an apparatus of the character described, the combination of a refrigerating chamber, a plurality of insulated compartments for solid refrigerant, each having a door opening into said chamber, and means responsive to the temperature in said chamber for successively opening the doors of said compartments and discharging the refrigerant therein into said chamber.

2,190,797
YARN WINDING APPARATUS
Robert Wighton Moncrieff and Thomas Eccles, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 7, 1937, Serial No. 152,318
In Great Britain July 14, 1936
7 Claims. (Cl. 242—43)



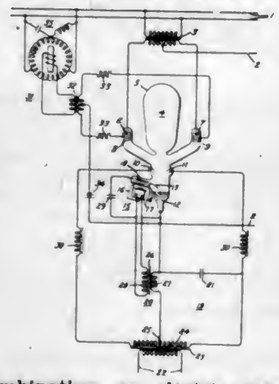
1. Apparatus for producing a cross-wound package of yarn, comprising a substantially cylindrical package support the diameter of which reduces progressively towards the middle to form a "waist", means for rotatably holding the support, means for driving the support, and means for traversing yarn repeatedly from end to end of the support.

2,190,798
PRESSURE OPERATED MAGAZINE PENCIL
Heinrich Morlock, Pforzheim, Germany
Application August 29, 1939, Serial No. 292,463
In Germany September 23, 1938
3 Claims. (Cl. 120—17)



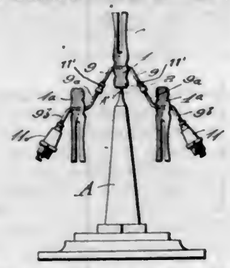
1. In a pressure operated magazine pencil the combination of two gripping elements arranged one behind the other, a tube enclosing the rear element, two longitudinal tongues on said tube and connecting said tube to the front gripping element, a bead formed on the rear end of said front element and open in inward direction, and outwardly bent front ends one on each of said tongues and shiftably engaging in said bead to allow said front gripping element to close after said rear gripping element.

2,190,799
STARTING CIRCUIT FOR ELECTRIC VALVE APPARATUS
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 16, 1937, Serial No. 148,519
Renewed May 4, 1939
11 Claims. (Cl. 250—27)



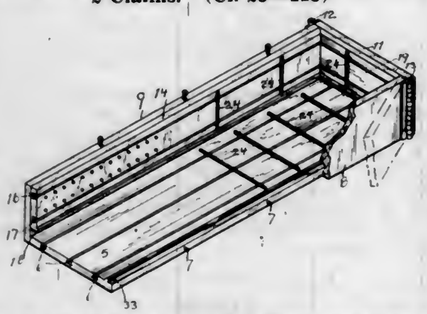
9. In combination, an electric valve means having an anode, a mercury pool cathode, a holding anode and an auxiliary starting electrode biased away from said cathode and adapted to be moved into engagement with said mercury pool cathode to initiate an arc discharge, a source of alternating current, a circuit energized from said source including a capacitance and a saturable inductive device having a primary winding connected in series relation with said capacitance and a secondary winding for energizing said starting electrode, a circuit for said holding anode comprising said primary winding to control the inductance of said saturable device in accordance with the conductivity of said electric valve means, and means connected to said secondary winding for actuating said electrode when said electric valve is nonconductive.

2,190,800
ADVERTISING DEVICE OR TOY
Harry K. Murphy, Stanford, Ill.
Application January 30, 1939, Serial No. 253,680
5 Claims. (Cl. 46—131)



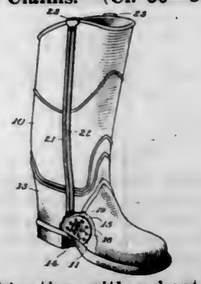
1. A device of the character described comprising an elongated body member adapted to be pivotally rested at one end on an underlying support and having its opposite end forked, and a bail-shaped suspending member having its cross portion extending transversely of and axially rotatable in the body member at a point adjacent to the first-named end of said body member and having its arms fixed with relation to its cross portion and projecting beyond opposite sides of the body member at an angle thereto, of said arms being threaded and load weights threaded for detachable coupling connection with the threaded ends of the arms.

2,190,801
APPARATUS FOR MOLDING BRICK STEPS
Paul Otto, San Francisco, Calif.
Application February 27, 1939, Serial No. 258,714
2 Claims. (Cl. 25—118)



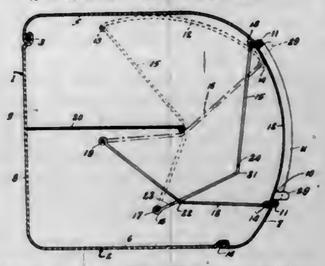
1. A brick step forming device comprising a mold having a base member, an end member secured thereto, side members hinged to said end member and removably attached to said base member, said base member and one of said side members having key slots formed therein, key spacers slidable in said slots, whereby bricks supported on said slotted members will be held in spaced relation, and a sliding end piece adjustably held between said side members and spaced from said hinged end member.

2,190,802
VENTILATED BOOT
Le Roy G. Powell, Harlem, Mont.
Application October 24, 1938, Serial No. 236,739
4 Claims. (Cl. 36—3)



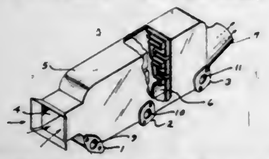
1. The combination with a boot of a ventilating plate disposed between the inner and outer walls of the boot at either side thereof and extending from the heel to substantially the front of the instep, said plate having a plurality of apertures therein which register with corresponding apertures in the inner wall of the said boot to afford exclusive communication with the above defined portion of the foot, ribs carried by the said ventilating plate functioning to maintain the outer wall of the boot spaced therefrom, and forming an air space therebetween, and air tubes extending along the leg of the boot, communicating at their lower ends with the above mentioned air space. and at their upper ends with the atmosphere.

2,190,803
CONTAINER
Richard L. Sayre, Cincinnati, Ohio, assignor to The Heekin Can Company, Cincinnati, Ohio, a corporation of Ohio
Application September 10, 1937, Serial No. 163,275
2 Claims. (Cl. 220—34)



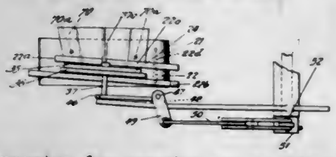
1. A bread box or the like comprising a container having top, bottom, front, rear and end walls, the front wall having an access aperture therein forming the major portion of the front wall area, a door adapted to close said aperture, and means to mount the door in the container on said end walls for hinged movement toward and away from said aperture, the mounting means comprising two pairs of arms pivotally connected by one end to the door, one pair at each side edge thereof and one arm of each pair being attached adjacent the upper and the other arm adjacent the lower extremity of the door, the other ends of the arms being pivotally connected to the end wall adjacent thereto, said latter connections being separate and independent for effecting, upon upward swinging of the door, an eccentric arcuate movement thereof into opened position relatively close to the top wall of the container.

2,190,804
HEATER FOR CLOSED VEHICLES
Lynn D. Searcy, St. Clair Shores, Mich.
Application June 24, 1937, Serial No. 150,090
2 Claims. (Cl. 257—241)



1. In a manifold type heater for closed vehicles adapted to be communicatively connected with the exhaust ports of an automobile engine; a manifold element elongated and shaped to define a series of super-imposed channels communicatively connected along alternate opposite sides; said channels defining, as a unit, a hot gas chamber for the accommodation of the moving exhaust gases leaving said ports; a metallic housing about said heating unit and spaced therefrom in a manner defining a relatively thin air passage between said heating unit channels and about them, openings in the forward and rear ends of said housing for receiving and discharging fresh air respectively as it passes through the housing to be warmed by said heating unit.

2,190,805
APPARATUS FOR MAKING BEAD CORES FOR PNEUMATIC TIRES
Florain J. Shook, Akron, Ohio, assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application July 8, 1937, Serial No. 152,615
14 Claims. (Cl. 154—9)



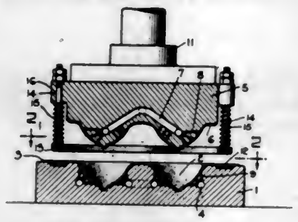
9. Apparatus for pressing an annular article, said apparatus comprising an anvil member provided with helical cam means for crowding toward and off of the end thereof an annular article bearing upon it, means for pressing the article against the anvil member, and means for effecting relative rotation of the anvil member and the article to cause the crowding action.

2,190,806
WALL PANELING SUPPORTING MEANS
Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application October 17, 1936, Serial No. 106,212
7 Claims. (Cl. 189—85)



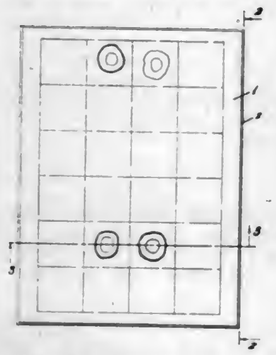
6. In a device of the type described, a sheet metal furring strip comprising a front panel supporting wall having a channel formed therein, the said channel extending rearwardly and longitudinally of said front wall, and a panel retaining key removably held in said channel whereby to clamp panel edges between said key and said wall.

2,190,807
METHOD OF MAKING WEARING APPAREL
Alfred J. Steinberger, Jamaica, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application May 29, 1935, Serial No. 24,000
2 Claims. (Cl. 18—56)



1. In a method of forming articles of wearing apparel or other similar articles, the step of imparting a three dimensional shape to textile materials comprising filaments of organic derivatives of cellulose, by distorting a substantially flat piece of the material by means of a padded form containing a plasticizer, while the textile material is at least partially plastic.

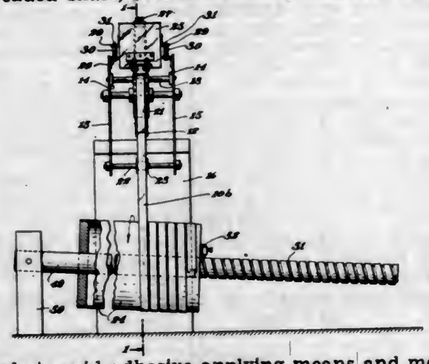
2,190,808
SEROLOGICAL DROP REACTION MEANS
Donald E. Stover, San Diego, Calif.
Application June 23, 1937, Serial No. 149,934
3 Claims. (Cl. 73—51)



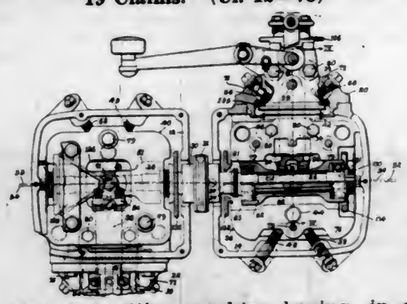
1. A means for conducting drop reaction tests, such as serological tests or the like, consisting of a serological test composite sheet consisting of a thin sheet of lens paper positioned face to face with a comparatively thick sheet of filter paper and both sheets fastened so that they are held in apposition but with the major portion of their contacting surfaces free from each other and disconnected.

2,190,809
FABRICATOR FOR ADHESIVE TAPE
Clauss Burkart Strauch, New York, N. Y., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application May 18, 1936, Serial No. 80,410
9 Claims. (Cl. 91—43)

6. In a device of the class described, means for applying adhesive to one side of a moving tape, and a rotatable drum adapted to receive said moving tape removably carried on a screw-threaded shaft, said drum being disposed at an angle to said adhesive applying means and movable along its longitudinal axis.



2,190,810
EDGE-SETTING MACHINE
Laurence Elmer Topham, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 28, 1938, Serial No. 193,036
19 Claims. (Cl. 12—78)



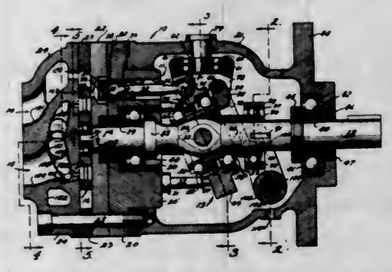
1. An edge-setting machine having, in combination, an oscillatable tool shaft, operating mechanism for the tool shaft, a support, and yieldable means for mounting said shaft and operating mechanism on the support whereby the amplitude of the vibration transmitted to the support and the noise caused by vibration is minimized.

2,190,811
ATTACHMENT FOR TROWELS
Joseph W. Van Zeeland, Kimberly, Wis.
Application April 6, 1938, Serial No. 200,469
1 Claim. (Cl. 72—136)



An attachment for covering the working surface of a trowel, comprising a body portion shaped to conform to the shape of the trowel blade with which it is used, said body portion being constructed of rubber material and having a groove defining an upper flange adapted to closely engage the upper surface of the trowel blade securing said body portion in position on the blade, and a padding member of a shape conforming to the shape of the blade, held in position by said body portion between the blade and body portion.

2,190,812
HYDRAULIC MOTOR OR PUMP
Gunnar A. Wahlmark, Rockford, Ill.
Application May 17, 1937, Serial No. 143,069
5 Claims. (Cl. 121—121)

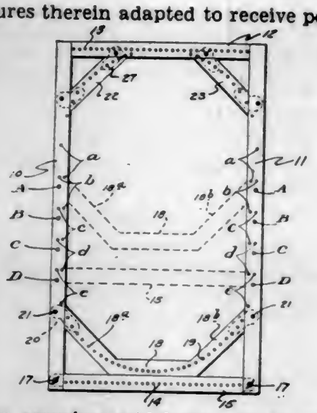


1. In a fluid handling mechanism, in combination, a casing having a plurality of cylinders formed therein and a cylindrical valve chamber having parallel end faces, a port opening to the head end of each cylinder and to one end face of said valve chamber in an annular row, a fluid passage opening to said valve chamber radially outwardly of said ports and a second fluid passage opening to said valve chamber radially inwardly of said ports, valve means operable successively to connect said ports alternately to the passage opening radially outwardly of the ports and to the passage opening radially inwardly of said ports, said valve means comprising a wheel-like member having a hub, a rim, and spokes connecting the rim to the hub to provide a passage from one face of the wheel to the other which is sealed about its inner periphery by the hub and about its outer periphery by the rim, said hub having end faces of substantially equal area in fluid-tight sliding engagement with the end faces of said valve chamber and said rim having end faces of substantially equal area in fluid-tight sliding engagement with the end faces of said valve chamber, and means engaging the hub for driving said valve means through an eccentric movement with respect to said ports.

2,190,813
PORTABLE HAND LOOM
Kate Eugene Walker, Oklahoma City, Okla.
Application June 9, 1939, Serial No. 278,239
5 Claims. (Cl. 139—34)

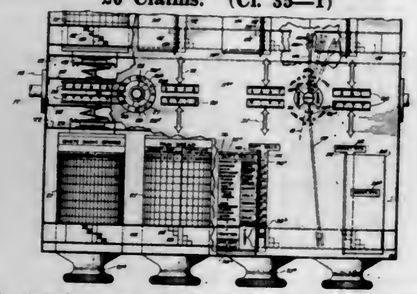
1. In a portable hand loom, a substantially rectangular frame including spaced apart cross members at its ends; a plurality of pegs removably mounted in said end members, said pegs providing means for lacing and mounting the longitudinal strands adapted to form a part of a rectangular rug; and slidably and adjustably mounted corner members traversing the two adjacent corners of the lower end of said frame and lying in the same plane with said rectangular frame, said corner members having a plurality

of apertures therein adapted to receive pegs; and



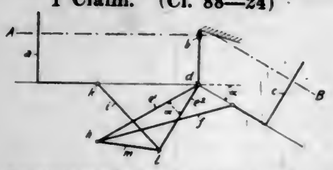
means for securing said lower corner members in desired position.

2,190,814
REFERENCE CABINET
William Walmsley, Chicago, Ill.
Application November 22, 1937, Serial No. 175,991
20 Claims. (Cl. 35—1)



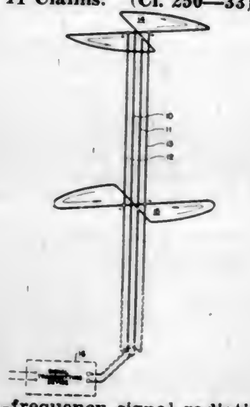
1. A reference unit comprising a vertical cylinder bearing on its periphery indicia representing numerical values arranged in columns and in rows intersecting the rows, and a slide positioned tangentially of the cylinder and horizontally slidable relative thereto, the slide having openings adapted to register with the column at the point of tangency, and said openings being in a cascading series, whereby to cause single values in succeeding rows to appear through the tangentially-located opening as the slide is moved in steps equal to the widths of the openings.

2,190,815
AUTOMATIC FOCUSING DEVICE
Ludwig Wenczler, Berlin-Nikolassee, Germany
Application May 31, 1938, Serial No. 211,051
In Germany June 8, 1937
1 Claim. (Cl. 88—24)



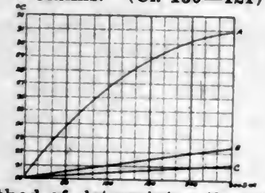
In an apparatus for the positive adjusting the distances of a dark slide holder and a copy holder with relation to an objective lens of a photographic camera in which the rays from the copy to the lens make an angle with the rays from the lens to the dark slide, in combination, two levers which are rotatable about a point which is fixed with relation to the objective lens, and are connected in position with the same angle between them as between the light rays on opposite sides of the lens, a link connecting one of the levers with the copy holder, and another link connecting the other lever with the dark slide holder.

2,190,816
ANTENNA
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 20, 1937, Serial No. 169,922
11 Claims. (Cl. 250—33)



1. A high-frequency signal-radiating antenna comprising conductors having the approximate configuration of a figure 8 and having terminals on said conductors adjacent their cross-over point, the loops of said figure 8 being effectively connected in parallel with respect to said terminals.

2,190,817
METHOD OF DETERMINING THE UTILITY OF CARBONS FOR DEPOLARIZING ELECTRODES
Werner Wisfeld, Frankfort-on-the-Main, Germany, assignor to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany
Application December 4, 1936, Serial No. 114,258
2 Claims. (Cl. 136—121)



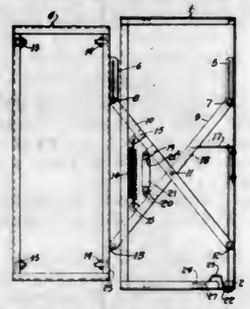
1. A method of determining the utility of active carbons for use as depolarizing agents in the positive electrodes of air depolarized galvanic cells which comprises mixing the active carbons in finely divided form with aqueous solutions of hydrogen peroxide, measuring the rise in temperature of the solution to determine those active carbons which give a rise in temperature of at least 1° C. when 0.2 gram of the carbon suspended in 10 cc. of distilled water are mixed with 25 cc. of a 3% solution of hydrogen peroxide at 20° C.

2,190,818
METAL TILING
Charles F. Wysong, Atlanta, Ga.
Application January 11, 1939, Serial No. 250,417
1 Claim. (Cl. 189—86)



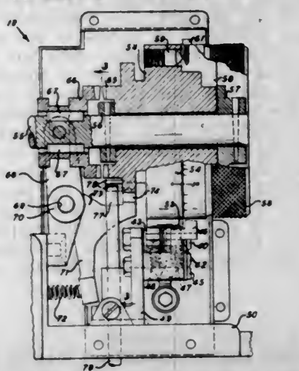
Metal tiling of the class described comprising metal tiles each including a major flat portion and free beaded flanges at opposite sides thereof, the bead of each flange being formed by an outwardly bowed portion which connects the flange with the major part, one flange having an inwardly bowed portion at its free edge to provide an outwardly sloping terminal edge and the other flange having an inwardly sloping portion leading from the bead forming portion and a substantially horizontal portion extending outwardly from the sloping portion and parallel mounting strips each having spaced pairs of spring fingers curving outwardly therefrom, the fingers of each pair curving toward each other and having their free ends facing each other and spaced apart, the flange provided with the horizontal part fitting between the spring fingers of one pair and the flange provided with the inwardly bowed free edge fitting between the fingers of another pair with the last-mentioned flange resting on the horizontal portion of a flange of an adjacent tile with the beads of the adjacent tiles contacting and the spring fingers holding said beads in contacting relation.

2,190,819
STUDIO COUCH
Joseph Franklin Andrews, Memphis, Tenn.
Application July 27, 1938, Serial No. 221,491
4 Claims. (Cl. 5—18)



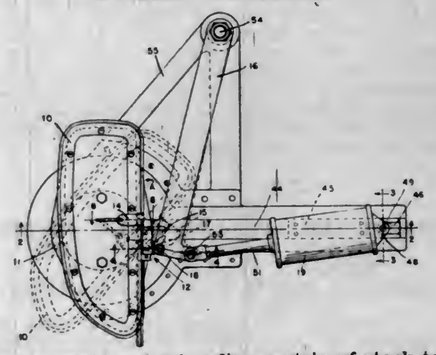
1. In a structure of the type specified, including a main bed-frame, an auxiliary bed frame normally maintained housed by the main-frame, means connecting said frames for permitting the auxiliary frame to be projected outwardly from the main frame and maintaining the said frames parallel with each other, spring means connected with said first-named means for actuating the latter to effect outward projection of said auxiliary frame, manually releasable latch means on said frames for maintaining the auxiliary frame at the inner limit of its movement against the action of said spring means, and a device on the main frame disposed in the path of said spring means for engagement therewith as said auxiliary frame approaches the inner limit of its movement for increasing the effective force of said spring means to initiate outward projection of the auxiliary frame upon release of said latch means.

2,190,820
CONTROL APPARATUS
Virgil D. Barker, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1936, Serial No. 63,456
11 Claims. (Cl. 200—33)



1. A control device to close an electric circuit for a predeterminable interval of time comprising a first spring pressed rotary member having a contact member thereon and tending to rotate from one position to another position, a second spring pressed rotary member having a contact member thereon and tending to rotate from one position to another position, a detent to hold the second rotary member releasably in the first position thereof, and a rotatable member actuable at will for one cycle of operation only and having a cam thereon to move both rotary members from their second positions to their first positions and to hold the first rotary member releasably in the first position thereof and having releasing means thereon to release the second rotary member from the detent, the contact member on the first rotary member being in contact with the contact member on the second rotary member only when the first rotary member is in its second position and the second rotary member is in its first position.

2,190,821
BENDING MACHINE
Richard W. Broomham, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application November 15, 1937, Serial No. 174,701
1 Claim. (Cl. 153—40)



In a machine for bending a strip of stock to a predetermined longitudinal contour, a templet

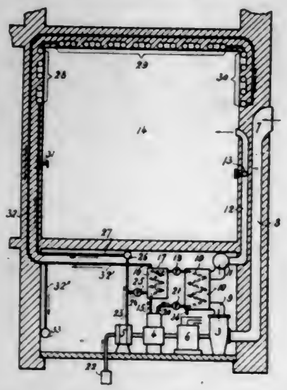
having a working surface corresponding in shape to said predetermined longitudinal contour, an arm supported for swinging movement in the plane of the templet toward and away from the working face of the latter, fluid pressure operated means including a cylinder pivotally supported for swinging movement in a plane substantially parallel to the plane of the templet, a piston reciprocably mounted in the fluid pressure cylinder for swinging movement with the latter and connected to the swinging end of the arm to urge the latter end of the arm toward the working face of the templet, a shoe having one face engageable with the strip of stock and having a substantially V-shaped groove in the opposite face fulcrumed on and disconnectedly engaging the swinging end of the arm for movement by the piston into clamping engagement with the strip of stock, and means for moving the templet relative to the shoe to effect a bending of the stock to the contour of the working face of the templet.

2,190,822

AIR CONDITIONING SYSTEM

Hans Byland, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application April 2, 1936, Serial No. 72,376
In Switzerland April 8, 1935
2 Claims. (Cl. 62—129)



1. An air conditioning plant for a room comprising an air drier located outside of said room, air transport means transporting fresh outside air through said drier into said room for drying the air in said room by adding dry air thereto, refrigerating means providing an operating agent for said drier, cooling surfaces integral with the walls of said room other transport means transporting a cooling agent through said cooling surfaces, and a motor connected to and driving said first mentioned as well as said second and third mentioned means.

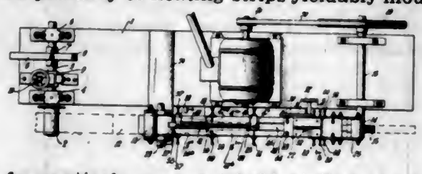
2,190,823

METHOD AND APPARATUS FOR FOLDING STRIPS OF PAPER AND THE LIKE

William S. Cloud, Wilmette, Ill.

Application June 15, 1937, Serial No. 148,261
10 Claims. (Cl. 270—93)

1. A machine for folding paper or the like, comprising in combination, a plurality of staggered folding strips on each side of a center line of movement for a strip of paper to be folded, and a plurality of floating strips yieldably mount-



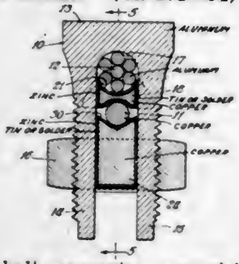
ed for vertical movement held at their forward ends between said staggered strips.

2,190,824

ALUMINUM TO COPPER CONNECTOR

Wallace Cook, Chicago, Ill., assignor to Reliable Electric Company, Chicago, Ill., a corporation of Illinois

Application February 9, 1938, Serial No. 189,531
4 Claims. (Cl. 174—94)



1. A split bolt connector comprising in combination, an aluminum bolt having spaced threaded shanks, an aluminum nut threaded to receive the shanks, a spacer slug fitted beween said shanks, a contactor slug rotatably held by said nut and slidable between the shanks, said slugs having centers principally of copper and being coated with a layer of tin next to the copper and a layer of zinc over the tin.

2,190,825

DYEING OF CELLULOSE DERIVATIVES

Paul Camille Elie Jacques Corbière, Lyon, France, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 1, 1937, Serial No. 177,472. In Great Britain December 11, 1936

1 Claim. (Cl. 106—40)

The process of dyeing organic derivatives of cellulose which comprises dissolving a cellulose derivative, a diazogene compound and a coupling component in a solvent therefor, converting said diazogene compound and said coupling component to an azo dyestuff to yield a colored cellulose derivative, drying said colored cellulose derivative, mixing said cellulose derivative containing the azo dyestuff with an additional quantity of untreated cellulose derivative to form a cellulose derivative thread spinning solution.

2,190,826

ELECTROLYTIC CONDENSER

Paul McKnight Deeley, New York, N. Y., assignor to Cornell-Dubilier Corporation, New York, N. Y., a corporation of New York

Application December 7, 1935, Serial No. 53,367
5 Claims. (Cl. 220—44)

1. A vent structure for an electrolytic condenser or the like having a cylindrical container

subject to internal excess gas pressure, comprising a cap having an outer flange and an inner outwardly arched apertured portion, said cap being secured to an open end of said container with its flange forming a narrow gap with the container, a diaphragm having an outer rim and a punctured central portion, the outer rim of said diaphragm being disposed within said gap to effect a liquid and gas tight seal between said container and said cap, the inner portion of



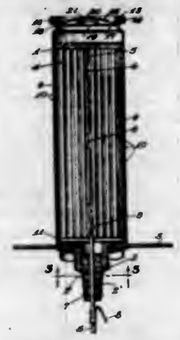
said diaphragm underlying said cap, and spacing means intervening between said diaphragm and said cap and surrounding the punctured section of said diaphragm, whereby said diaphragm is adapted to distend underneath said cap at first in its entirety until prevented by said spacing means, whereupon only the punctured section will distend further under the action of excess gas pressure developed within said container.

2,190,827

ELECTROLYTIC CONDENSER

Paul McKnight Deeley, New York, N. Y., assignor to Cornell-Dubilier Corporation, New York, N. Y., a corporation of New York

Application May 22, 1936, Serial No. 81,252
12 Claims. (Cl. 220—44)



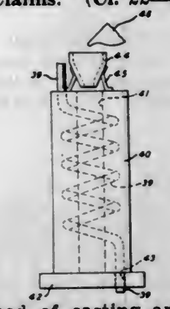
9. A vent structure for a container subject to internal excess gas pressure comprising a flexible diaphragm spanning an opening of said container, an apertured cap spaced from and covering said diaphragm, said diaphragm and said cap being secured to said container, said diaphragm having a punctured mid-section of lesser thickness than its outer portion, and an annular separator integral with said diaphragm and surrounding the mid portion thereof and being normally spaced from said cap.

2,190,828

METHOD OF CASTING

Louis S. Deitz, Jr., Metuchen, N. J., and Hanley H. Weiser, Pleasant Plains, N. Y., assignors to Nassau Smelting and Refining Company, Incorporated, New York, N. Y., a corporation of New York

Application August 24, 1935, Serial No. 37,688
6 Claims. (Cl. 22—200)



6. The method of casting articles in a mold having a channel within the body of the mold, which method comprises the steps of pouring molten material into the mold only while the channel in the body of the mold is empty, and passing a cooling fluid through the channel in the body of the mold only after molten material poured into the mold has set, so that at no time is there molten material within the mold and cooling fluid within the channel in the body of the mold at the same time.

2,190,829

PHENOL CARBOXYLIC ACID AMIDE-FORMALDEHYDE RESINS

George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 4, 1936, Serial No. 94,283
15 Claims. (Cl. 260—51)

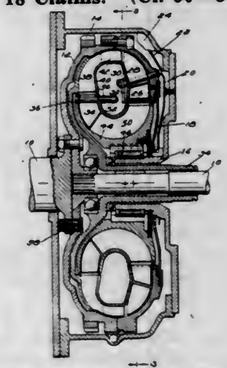
3. The resinous reaction product of formaldehyde with a carboxylic acid amide obtained by reacting a phenol containing an amide-forming group with a complementary bifunctional amide-forming reactant capable of forming said carboxylic acid amide with said phenol.

2,190,830

HYDRAULIC TORQUE CONVERTER

Adiel Y. Dodge, South Bend, Ind.

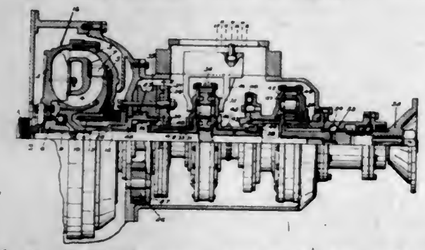
Application January 4, 1936, Serial No. 57,520
18 Claims. (Cl. 60—54)



1. A hydraulic torque converter comprising an

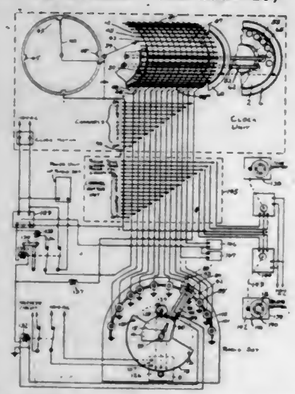
impeller, a stator and a rotor, the impeller including a plurality of vanes including outlet portions pivoted on elongated shafts, and having centrifugal weights mounted on said shafts and directly connected to the vanes to control the position of said vanes about their pivots and the stator including vanes pivoted adjacent their inlet ends.

2,190,831
TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application April 30, 1937, Serial No. 139,888
19 Claims. (Cl. 74—189.5)



1. A transmission comprising an infinitely variable torque multiplying unit having a driving member, a driven member and a reaction member forming a fulcrum for torque multiplication, a pair of gear sets, the first of said gear sets having two driving elements connected to be driven by said driving and driven members respectively and a third element driven jointly by said two elements, the second gear set being connected in series with one of the elements of said first gear set, and means for changing the driving ratio of said second gear set while said first gear set transmits varying torque thereby to change the operating range of the transmission.

2,190,832
PRESELECTOR AND REMOTE CONTROL SYSTEM
Harold F. Elliott, Palo Alto, Calif.
Application June 4, 1937, Serial No. 146,359
14 Claims. (Cl. 250—40)



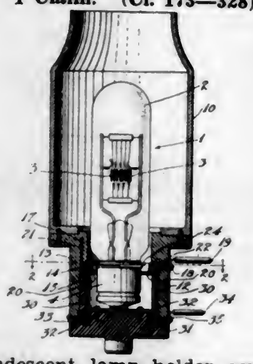
8. A latch for positioning relatively movable electric tuning members comprising an armature of magnetic material and two arms of nonmagnetic material yieldably attached to the armature in spaced relation thereto, each arm being free to move relative to the armature without moving the other.

2,190,833
BRAKE TESTER
Owen H. Fowler, Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 24, 1936, Serial No. 92,425
5 Claims. (Cl. 73—51)



1. An impact automotive vehicle brake tester comprising a longitudinally movable wheel platform, a fixed cylinder, a piston movable longitudinally therein and secured to the platform, an inlet in the cylinder forward of the piston provided with a check valve to prevent outflow, means connected to the valve for maintaining a positive minimum pressure in the cylinder, and electrically actuated indicating means having a part carried by the piston for indicating actual piston movement.

2,190,834
LAMP HOLDER
Jacob Glassberg, Hillside, N. J., assignor to Samson Investment Co., a corporation of New Jersey
Application May 17, 1938, Serial No. 208,382
1 Claim. (Cl. 173—328)

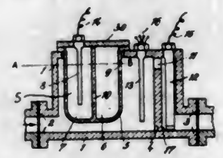


An incandescent lamp holder comprising an annular conducting member, a lug secured thereto adjacent the outer periphery thereof and extending upwardly therefrom, a collar secured to said annular member, a flange extending inwardly from said collar and spaced from said annular member, said flange having a pair of unequally spaced openings therein, a pair of resilient retaining strips struck out of said annular member and normally exerting force in a direction therefrom and towards said flange, and a pair of stops located between said member and said flange.

2,190,835
ARRANGEMENT FOR CARRYING OUT ELECTROMETRICAL MEASUREMENTS
Heinz Grüss, Paul Kähle, and Fritz Lieneweg, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application November 30, 1936, Serial No. 113,476
In Germany November 1, 1935
6 Claims. (Cl. 204—5)

1. A device for electrometrical measurements

on flowing electrolytic liquids, comprising a pressure-tight vessel of insulating material designed to be inserted into a line of conduits, said vessel having an inlet and an outlet located on opposite sides so as to have a common geometrical axis coinciding with that of said conduit line, means at said inlet and said outlet for pressure-tightly connecting said vessel with said conduits, an extension forming part of said vessel and protruding radially with respect to said axis, said exten-

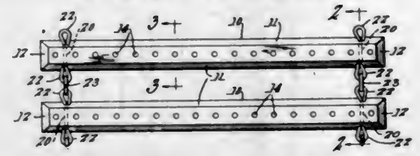


sion having an opening in its radially protruding end face, an insulating porous container containing a standard electrode and at least one intermediate solution, said container being inserted in said opening so as to be immersed in the liquid flowing through said vessel and to tightly close said opening, a measuring electrode disposed in said extension, and a wall arranged in said vessel transverse to said axis and designed to bend the course of said flowing liquid so as to pass through said extension.

2,190,836
TREATMENT OF OLEFIN-SULPHUR DIOXIDE RESINS
Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1938, Serial No. 235,561
9 Claims. (Cl. 260—94)

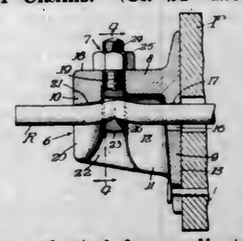
1. Process of treating a crude olefin-sulphur dioxide resin which comprises digesting said resin in finely divided form for a prolonged period in a digesting liquor comprising an organic liquid which alone has a solvent or, at least, a powerful swelling action on the resin, and a second liquid which alone has no solvent action and no more than a slight swelling action on said resin, the components of said digesting liquor being so apportioned that said digesting liquor is adapted to penetrate the particles of said resin but not agglomerate same at the temperature employed.

2,190,837
DOBBY CHAIN
Warren B. Harris, Millbury, Mass.
Application January 7, 1939, Serial No. 249,793
9 Claims. (Cl. 139—334)



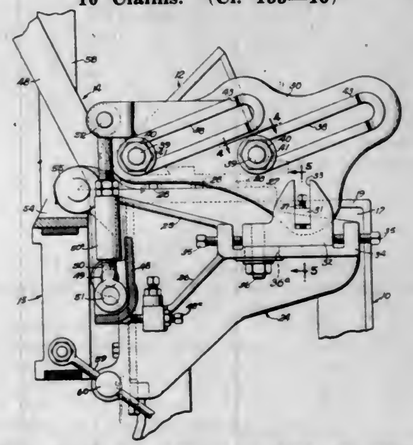
1. A dobby chain comprising a set of cross bars connected together by links, each bar being made of a molded plastic substance and having tapered dobby peg holes therein arranged for receiving and being threaded by the pegs, and linkage members immovably secured in position without interfering with the peg holes which are arranged for fastening one bar in proper alignment with another.

2,190,838
ROD CLAMP
Bror Hillberg, Chicago, Ill., assignor to Superior Concrete Accessories, Inc., Chicago, Ill., a corporation of Illinois
Application January 20, 1939, Serial No. 251,935
4 Claims. (Cl. 24—125)



1. A clamp adapted for application to a rod having one end thereof projecting through and beyond a form, and comprising a hollow bracket consisting of a top wall, an inner form-engaging end wall, an outer end wall in opposed relation with the inner end wall, and a pair of side walls between the end walls, and having in said inner and outer end walls respectively a substantially elliptical aperture and an inverted V-shaped notch adapted to have the projecting end of the rod extend therethrough and also having a vertical hole extending through said top wall, and an eyebolt having the eye thereof disposed in the bracket and adapted to encircle the rod and its shank extending through the hole and provided at its outer end with a nut adapted to engage the top wall and upon tightening thereof to draw upwardly the eyebolt and cause it to bring the projecting end of the rod into clamped relation with the upper ends of the aperture and notch and to kink or bend upwardly the bracket enclosed portion of said projecting end of the rod and thus to lock the bracket and rod against relative movement.

2,190,839
BENDING BRAKE
John Jensen, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a corporation of Illinois
Application June 21, 1937, Serial No. 149,415
10 Claims. (Cl. 153—16)



6. A bending brake comprising, in combination, a supporting framework, a bed carried by said framework, a platen disposed above said

bed and adapted to cooperate therewith to clamp a sheet of metal therebetween, bifurcated open ended upwardly facing yokes on said framework adjacent the ends of said platen, pivot pins disposed in said yokes, and means for journaling said platen on the intermediate portions of said pins between the sides of said bifurcated yokes.

9. A bending brake comprising, in combination, a bed and platen adapted to clamp a sheet of metal therebetween, means forming a continuous bending edge on said platen for the bending of plain sheets, fingers adapted to be carried by said platen to provide a discontinuous bending edge for the bending of boxes, a pivot located adjacent the rear of the bed, an arm projecting a substantial distance generally forwardly from said pivot and swingable about the same toward and away from said bed, and means forming a vertically adjustable connection between said arm and platen and at a point displaced a substantial distance forwardly of said pivot toward the front of the bed for alternatively supporting said platen on said arm either in a position to aline said continuous bending edge in operative relation with said bed or alternatively at a substantial distance above said bed and with said fingers in operative relation with said bed.

2,190,840

CORROSION RESISTANT ALLOYS

William Marriott Kay, Manchester, England, assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application April 29, 1939, Serial No. 270,844. In Great Britain May 2, 1938

3 Claims. (Cl. 75—171)

1. A heat resistant, corrosion resistant alloy capable of being worked into strip or wire form consisting essentially of 10 to 30 percent chromium, 3 to 6 percent silicon, balance nickel.

2,190,841

DIAZOAMINO ETHER AND METHOD OF MAKING

Jean G. Kern, East Aurora, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 14, 1938, Serial No. 207,943

8 Claims. (Cl. 260—140)

1. As a new compound an aromatic diazoamino ether comprising on one side of the diazoamino group an aromatic group joined directly to the diazo group, which aromatic group is capable of forming with an azo coupling component an insoluble azo compound, and on the other side a solubilizing group separated from the diazoamino group by an ether oxygen atom.

2,190,842

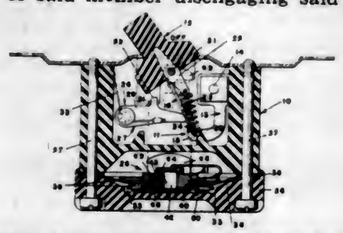
ELECTRIC SWITCH

Frank O. Kuhn, Flint, Mich.

Application November 9, 1936, Serial No. 109,986

4 Claims. (Cl. 200—34)

1. In a device of the character described, a movable element, a movable operating member, resilient means interconnecting said member and element, whereby movement of said operating member tends to cause movement of said element, a latch engaging said element, an expansible sealed chamber, means normally biasing said chamber to expanded position, valve means for said chamber providing for timed expansion of said chamber under control of said biasing means, a part engaging said chamber and engageable by said member, the aforesaid movement of said member disengaging said member



from said part to permit timed expansion of said chamber, and means on said part engaging said latch to free same from said element.

2,190,843

METHOD OF COATING PAPER

Bert C. Miller, Montclair, N. J., assignor to Bert C. Miller, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 20, 1934, Serial No. 716,504

6 Claims. (Cl. 91—70)

1. The process for providing a highly polished thin flexible surface film firmly attached to a paper base free from impregnation by the material composing the film which comprises providing a melt of a composite resin solid at normal temperatures consisting essentially of a resin selected from the group consisting of a polybasic acid-polyhydric alcohol resin and toluol-sulfonamide resin, chlorinated diphenyl, a vinyl resin and a plasticizer, applying the molten composite resin to a surface of the base at a temperature of not substantially exceeding about three hundred degrees Fahrenheit to form a thin flexible surface film of substantially the same composition as the melt which solidifies solely by cooling and drawing the coated base over a smooth surface heated to about the temperature of the resin at application to provide a film of solidified resin attached to the base by application around the fibres but not into them.

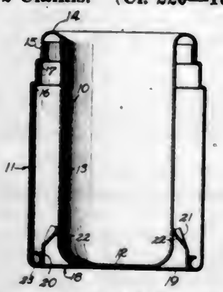
2,190,844

METALLIC CONTAINER

Wallace C. Mills, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a corporation of Illinois

Application April 5, 1937, Serial No. 135,004

2 Claims. (Cl. 220—10)



1. A container of the type set forth comprising, a tubular outer shell, a cup-shaped inner shell disposed within said outer shell in spaced relation thereto, an outwardly flaring lip formed on said inner shell and overlying the upper edge of said outer shell, said upper edge of said outer shell being frictionally telescoped within said lip and a sheet metal cup press fitted in the lower end of said outer shell and having spaced portions of the side walls thereof bent inwardly into frictional engagement with the lower end portion of said inner shell for maintaining the same in predetermined spaced relation with respect to the side walls of said outer shell.

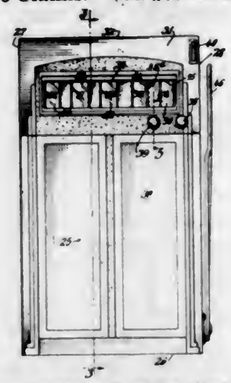
2,190,845

GAME APPARATUS

Milton Nitzberg, Chicago, Ill.

Application June 3, 1938, Serial No. 211,609

6 Claims. (Cl. 273—143)



1. In a coin operated game device, a plurality of legend displaying reels mounted coaxially, an actuating lever, means for normally locking some of said reels and said actuating lever against movement, said locking means adapted to be actuated by a coin to simultaneously release said lever and some of said reels, means operable by the operator for setting said reels to present a combination of legends, means in operative engagement with said lever for rotating said other reels, means in operative engagement with said lever and controllable by the operator of said device for stopping the rotation of said last mentioned reels to present various combinations of legends, said locking means adapted to lock said lever and said first mentioned reels when said lever is returned to normal non-operating position.

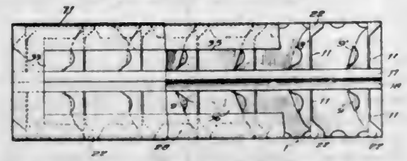
2,190,846

COLLAPSIBLE BOX OR CARTON

George C. Nydegger, Chicago, Ill.

Application June 7, 1937, Serial No. 146,755

9 Claims. (Cl. 229—29)



1. In an egg holder, a base portion comprising longitudinally extending side walls, a plurality of longitudinally spaced partitioning portions, and a longitudinally extending triangularly-shaped member the base thereof being adapted to lie on said base portion, web portions formed integral with the base of said triangular member and said partitioning portions and extending laterally from the base of said triangular member, longitudinally spaced engaging slots formed in the base of said carton and adapted to engage said webs and to hold the base of said triangular portion against the base of said carton and to hold said partitioning portions in fixed vertical position.

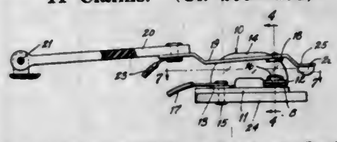
2,190,847

SWITCH PLATE

Lawrence M. Persons, St. Louis, Mo., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware

Application May 16, 1936, Serial No. 80,090

11 Claims. (Cl. 200—164)



3. In a switch device, a base, a first contact pivotally mounted for movement to operate the switch, a second contact, a support for the second contact, said support including a first part upon which the contact is mounted, a second part supporting the first part for movement of the first part generally in a first plane, said plane being parallel to the pivot axis of the first contact, and a third part supporting the second part for movement in a plane at an angle to the first plane.

2,190,848

DYEINGS

Siegfried Petersen, Otto Bayer, and Carl Taube, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application May 20, 1937, Serial No. 143,726. In Germany May 30, 1936

9 Claims. (Cl. 8—75)

1. In the process of improving dyeings of organic dyestuffs containing free acid groups on textile fibers the modification which comprises causing the dyed fibers to interact with a complex metal compound of a cyclic base containing at least two basic nitrogen atoms which metal compound is capable of forming salts with acids.

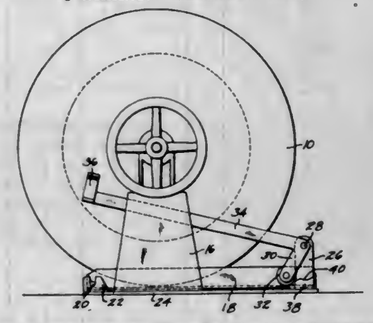
2,190,849

REEL LIFTING MEANS

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application September 29, 1938, Serial No. 232,267

5 Claims. (Cl. 254—131)



2. In a reel mounting having reel supporting means, means for lifting a reel into position to

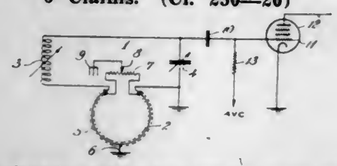
be engaged by said supporting means comprising a platform pivotally supported adjacent one end, a lever pivoted on the other end of the platform, a roller carried by the free end of said lever, means for rocking the lever, and track means carried by a relatively fixed part and engageable with said track roller to raise said other end of the platform when the lever is rocked about its pivot.

2,190,850

INTERFERENCE REJECTION RECEIVER

Dwight V. Sinninger, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application April 26, 1939, Serial No. 270,194
6 Claims. (Cl. 250—20)



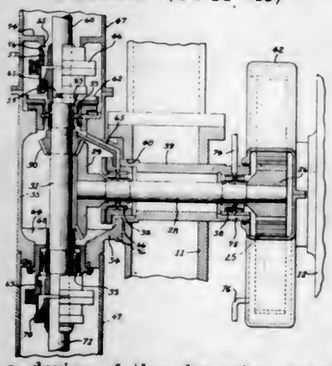
1. An input system for use in radio receivers and the like, comprising a resonant circuit including a signal-collecting loop, a counterpoise, and means for introducing into said circuit potentials of opposite phase but otherwise substantially identical to noise potentials occurring in said circuit comprising a potentiometer coupled to said loop and having its movable arm connected to said counterpoise, whereby said noise potentials may be effectively cancelled with resultant improvement in the signal-to-noise ratio of said circuit.

2,190,851

PAPER MACHINERY

Stephen A. Staege, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio

Application September 5, 1936, Serial No. 99,527
5 Claims. (Cl. 34—48)



3. In a device of the character described, in combination, a frame, a straight series of rolls journalled in said frame, a spur gear of smaller diameter than the roll diameter fixed to each of said rolls, a drive pinion for and meshing with each of said spur gears, a shaft fixed to each of said drive pinions, a bevel gear on each of said shafts for operating each drive pinion, a bevel pinion meshing with each bevel gear and each supplying driving power for only a single roll, and a common drive shaft carrying said bevel pinions and extending past the ends of the rolls between a geometric plane through the axes of the rolls and a plane tangential to the peripheries of the rolls, the axis of each drive pinion being horizontally spaced from the axis of its respective roll a distance exceeding the radius of the spur gear and being between a horizontal plane through the axis of its roll and a horizontal plane tangential to the upper periphery of its roll.

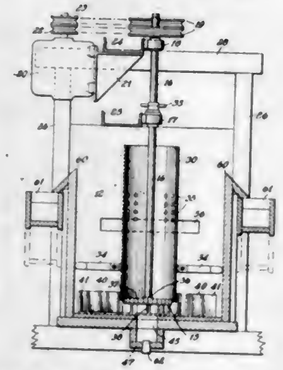
2,190,852

FROTH-FLOTATION MACHINE

Stanley Tucker, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

Application September 16, 1938, Serial No. 230,250. In Great Britain September 24, 1937

1 Claim. (Cl. 261—93)



In a froth-flotation machine, an agitation vessel having a pulp inlet in the bottom thereof, a rotatably mounted impeller located above and adjacent to said inlet, said impeller comprising a disc having upstanding blades formed on its upper surface, a down-cast cylinder supported in axial alignment with said impeller and having an internal diameter somewhat greater than the maximum diameter of said impeller and terminating at its lower edge in a plane intersecting said impeller blades and extending upwardly in said vessel above the normal liquid level therein, said cylinder below said normal liquid level being provided with apertures of sufficient area to permit jets of pulp to pour into the cylinder and on to the impeller without flooding the inside of the cylinder, and a plurality of baffles extending upwardly from the floor of said vessel and surrounding said impeller and in the path of the pulp thrown outwardly by the latter.

2,190,853

CONDITIONING WATER

William Vaughan, Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 13, 1935, Serial No. 21,275
15 Claims. (Cl. 210—24)

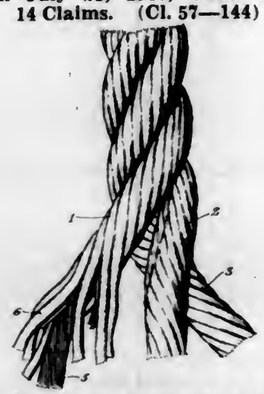
1. The process of removing cations from water containing dissolved salts which comprises passing such water in contact with extensive surface areas of a rugged, acid resistant granular preparation of natural lignite as long as cations are readily removed from said water, interrupting the flow of water, regenerating the lignite by a weak acid wash and repeating the operation.

2,190,854

FIBER ROPE STRUCTURE

Harold A. Whitlock, New York, N. Y., assignor to Whitlock Cordage Company, New York, N. Y., a corporation of New Jersey

Application July 23, 1938, Serial No. 220,868
14 Claims. (Cl. 57—144)



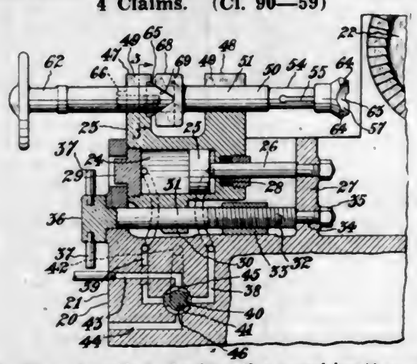
1. In a fiber rope structure, a strand comprising a core of unspun fibers and a surface layer of yarns surrounding said core, said yarns being of a size running less than 250 feet per pound.

2,190,855

LOCATING DEVICE

Edward F. Wickens, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application January 19, 1938, Serial No. 185,645
4 Claims. (Cl. 90—59)



1. In a locating device, the combination of a cutter and a carrier, said carrier having a recess, means for causing relative reciprocatory movement between the cutter and the carrier, a work holder freely insertable into and removable from the recess, means on the carrier and the work holder cooperating with each other to determine the spacing of points on the work intended to be presented to the cutter, and a grip portion on the work holder for manually maintaining said means in engagement with each other and for holding the work holder in the recess.

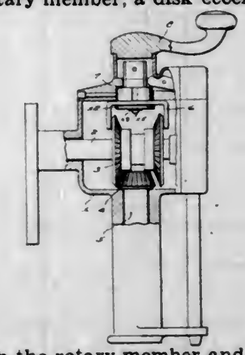
2,190,856

GEARSHIFT FOR WASHING MACHINE WRINGERS

Frank M. Young, Kissimmee, Fla., assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application December 15, 1938, Serial No. 245,995
2 Claims. (Cl. 74—473)

1. In a device of the class described, a gear shifting yoke having a large circular hole in its bight, a rotary member, a disk eccentrically connected with the rotary member and fitting in the hole for shifting the yoke when the rotary member is turned.

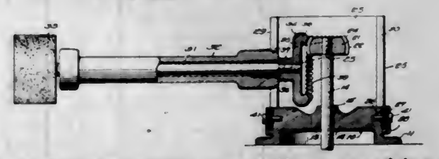


2,190,857

FLEXIBLE DRIVING CONNECTION

John W. Barcus, Baltimore, Md., assignor, by mesne assignments, to Baltimore Development Corporation, Baltimore, Md., a corporation of Maryland

Application August 19, 1936, Serial No. 96,859
Renewed July 11, 1939
4 Claims. (Cl. 74—385)



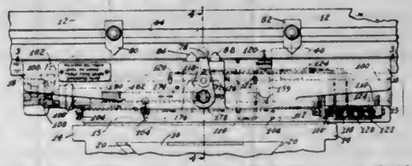
1. A flexible driving connection comprising a pair of shafts, a spherical gear carried by one of said shafts, a gear carried by the other shaft and meshing with said spherical gear, a bearing device for said first named shaft having a cylindrical portion provided with an annular groove, a support having a cylindrical portion surrounding said first named cylindrical portion and provided with inwardly projecting elements engaging in said annular groove, and means connecting said second named shaft to said support for swinging movement about an axis perpendicular to said first named shaft and intersecting the center of said spherical gear.

2,190,858

LUBRICATING DEVICE FOR MACHINE TOOLS

Arthur F. Bennett, West Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island

Application November 10, 1937, Serial No. 173,851
13 Claims. (Cl. 90—21)



1. In a milling machine having a relatively stationary support, a movable support mounted for reciprocable movement thereon, and motion transmitting means for the movable support in-

cluding a reverser and a reversing lever therefor shiftable to determine the direction of support movement, a lubricating device which comprises means for supplying lubricant under pressure including a distributing system through which lubricant is directed to said transmission means, and operating means actuable upon each shift of the reversing lever for causing a limited quantity of lubricant to be forced from the supply into the distributing system.

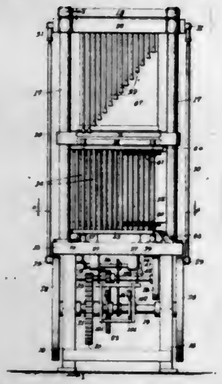
2,190,859

CORK ROD FORMING MACHINE AND THE LIKE

John M. Binder, New Hyde Park, N. Y., assignor of one-half to Carvin Bottle Cap Corp., New York, N. Y.

Application August 30, 1935, Serial No. 38,540

10 Claims. (Cl. 18—5)



7. In a machine of the class described the combination of a plurality of tubes, said tubes being chargeable with material; a plurality of reciprocating plungers mounted to cooperate with said tubes to compress the material therein; means for reciprocating said plungers including a rotatable member; and means connecting said plunger reciprocating means to said tubes to intermittently move said tubes simultaneously in timed relation to the reciprocation of the plungers, said last named means including a ratchet, a pawl, two interconnected rotatable members for reciprocating said pawl, one of said last mentioned members having a diameter twice that of the other of said members, and means connecting the smaller of said members to said rotatable member of the plunger reciprocating means for rotating the smaller of said members at the same speed as said rotatable member of the plunger reciprocating means, whereby the plungers are reciprocated twice for each movement of said tubes.

2,190,860

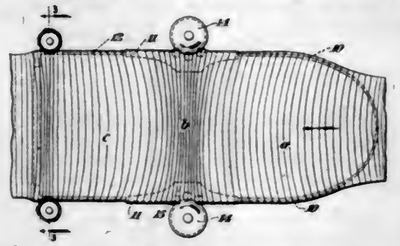
FABRIC FEEDING SYSTEM

Samuel Cohn, New York, N. Y., assignor to Samcoe Holding Corporation, New York, N. Y., a corporation of New York

Application September 13, 1938, Serial No. 229,667

3 Claims. (Cl. 26—55)

1. Apparatus for treating tubular fabric in combination with a pair of feed rolls adapted to grip the fabric in flat form between them, a horizontal U-shaped spreader in advance of said rolls fitting within and laterally distending the fabric and concentrating the frictional drag to the edges of the fabric, a supporting means engaging the fabric at a point intermediate the ends of said spreader, driven rolls at each edge of said spreader and closely adjacent said feed rolls adapted yieldably to engage the outer surface of the fabric



above and below at the edges, said driven rolls acting to counteract said frictional drag and delivering the fabric in flat form to said feed rolls with the transverse lines of the fabric in accurate alignment as it is engaged by said feed rolls.

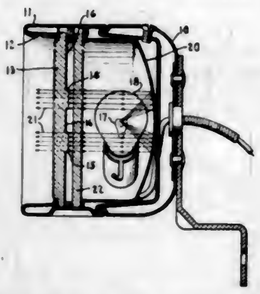
2,190,861

DIRECTIONAL SIGNAL DEVICE FOR MOTOR VEHICLES

Edward T. Condon, New York, N. Y.

Application January 2, 1937, Serial No. 118,834

2 Claims. (Cl. 177—329)



1. In a directional signal device for motor vehicles: a lamp housing open at one end, an electric lamp with illuminable filament mounted within the housing, together with means for directing light rays from the lamp substantially parallel to the longitudinal axis of said housing, light-transmitting element bearing a split arrowhead design, said element completely closing the opening of said housing, and said element being opaque over a portion positioned in the optical axis of the lamp filament to screen substantially said filament when the device is viewed from the front and having light-transmitting portions upon opposite sides of said opaque portion for passing the directed light rays.

2,190,862

DIRECTIONAL SIGNAL FOR MOTOR VEHICLES

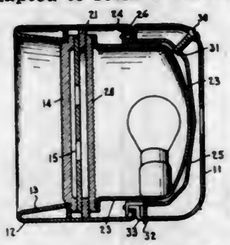
Edward T. Condon, New York, N. Y.

Original application September 27, 1932, Serial No. 635,006. Divided and this application April 16, 1937, Serial No. 137,176

1 Claim. (Cl. 177—329)

A signal lamp for motor vehicles including a cylinder having one end portion turned over and inwardly directed a substantial distance toward the other end, signal indicia means supported at the termination of the inwardly directed portion,

the latter adapted to form a shadow area to re-



duce undesired illumination of the signal indicia from external sources.

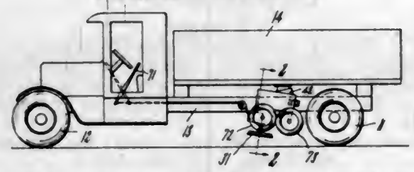
2,190,863

ROAD SANDING MACHINE

William H. Dance, Cambridge, Mass.

Application October 1, 1936, Serial No. 103,485

3 Claims. (Cl. 275—8)



1. The combination with a motor truck having a frame including longitudinal side frame bars, a body supported on said side bars overhanging them laterally, and propelling road wheels, of a distributing attachment secured to one of said side bars in front of the adjacent propelling wheel and beneath the lateral overhang of the body; said attachment comprising walls forming a receiving compartment with an outlet in its bottom, a centrifugal spreader beneath said opening in position to catch material falling therefrom, a chute located beneath the overhanging body open at its upper side and having a discharge end projecting over said receiving compartment, the overhanging body having an opening in its bottom directly above the open upper side of said chute, spreader-rotating means, chute-reciprocating means, and connections by which said propelling wheel, in rotating, drives said means.

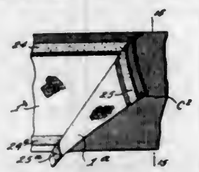
2,190,864

FOOTWEAR

Robert T. Dawes, Hudson, Mass.

Application November 23, 1937, Serial No. 176,049

16 Claims. (Cl. 12—146)



1. Elastic goring of the class described comprising, in combination with an elastic webbing, a substantially inextensible lasting tape temporarily united by normally tacky adhesive to the inner surface of the goring with the tape spaced inwardly from the edge of the goring and extending in the direction of stretch, said tape having provision to facilitate peeling it off from the goring.

2,190,865

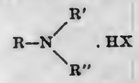
YARN TREATING PROCESS AND COMPOSITION THEREFOR

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 26, 1937, Serial No. 176,684

18 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning, and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component a salt of a compound selected from the group consisting of the furan and hydrogenated furan amines having the following formula:



wherein X is a compound having salt-forming properties with basic organic amines, R is an organic radical selected from the group consisting of hydrogenated and unhydrogenated furfuryl groups, and R' and R'' are radicals selected from the group consisting of hydrogenated and unhydrogenated furfuryl groups, hydrogen, alkyl, alkaryl and aryl groups, and the hydroxy-, amino-, and carboxy-substituted alkyl, alkaryl, and aryl groups.

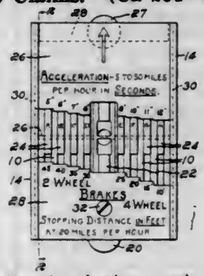
2,190,866

INDICATING INSTRUMENT

John F. Duby, deceased, late of Dorchester, Mass., by Mary Agnes Duby, administratrix, Dorchester, Mass.

Application May 5, 1937, Serial No. 140,867

2 Claims. (Cl. 264—1)



1. In an indicating instrument of the character described, a base comprising a plurality of associated bars arranged in parallelism, means to connect the bars together as a unit, a pivot shaft supported by said base, an element positioned in each of the spaces between said bars and supported by said shaft, a housing supported by said unit and adapted to confine said elements when not in use, an aperture in said housing, said aperture being so designed as to provide desired angular positioning of the elements when in use, and markings adjacent the aperture cooperating with said elements to signify the rate of change in velocity required to actuate the elements.

2,190,867

TENT FRAME FOR BEDS

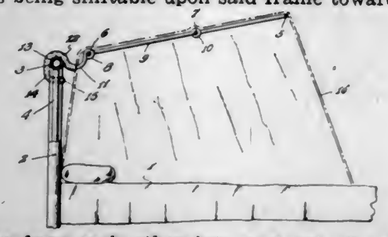
La Verne J. Felciano, Richmond, Calif.

Application December 2, 1938, Serial No. 243,637

4 Claims. (Cl. 135—5.3)

1. A device of the character described comprising a frame, and anchoring members carried by

said frame for engaging about the upper cross bar of the head of a bed, said anchoring members being shiftable upon said frame toward and



away from each other into and out of position to engage vertical rods of the head of a bed and maintain the frame in an elevated position over a bed.

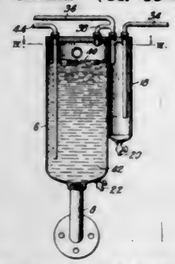
2,190,868

PRESSING SYSTEM

James D. Foster, Kansas City, Mo., assignor to William J. Krebs and Edwin T. Chester

Application January 8, 1937, Serial No. 119,603

1 Claim. (Cl. 38—1)



In a pressing system wherein is included a smoothing element employing liquid and air under pressure to create a spray for moistening fabrics as the same are pressed, supply means adapted to introduce cleaned air to the smoothing element and maintain a supply of liquid under a pressure head for introduction to the smoothing element, comprising a closed storage tank for the liquid; a conduit for conveying the liquid to the smoothing element having one end thereof within the storage tank near the bottom thereof; an air cleaning reservoir in juxtaposition to the storage tank; a pipe connecting the reservoir with a source of air under pressure; another pipe in communication with the reservoir and the smoothing element; and a branch pipe joining the upper portion of the tank and said second mentioned pipe, whereby air under pressure from the source thereof is passed through the reservoir to remove foreign matter therefrom prior to its entering the storage tank and the pipe supplying air to the smoothing element, the air pressure in the storage tank serving to force the liquid therefrom through the conduit, said reservoir being carried by the storage tank and provided with a pet cock at the lowermost part thereof.

2,190,869

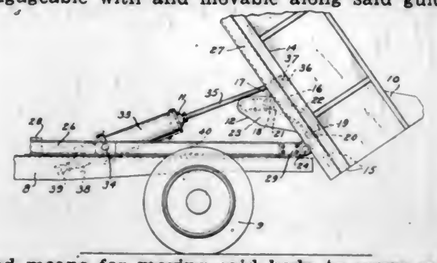
DUMPING MECHANISM

Herman C. Frentzel, Jr., Shorewood, and Carl G. Novotny, Milwaukee, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application May 2, 1938, Serial No. 205,436

5 Claims. (Cl. 298—22)

1. In combination, a frame, a support swingable relative to said frame and having a curved guide generated with a relatively long radius as compared to the radius of swing of said support relative to said frame, a body having an element engageable with and movable along said guide,



and means for moving said body to cause said element to ride along said guide to initially tilt said body about said long radius and to subsequently cause said support to swing about said shorter radius to finally tilt the body.

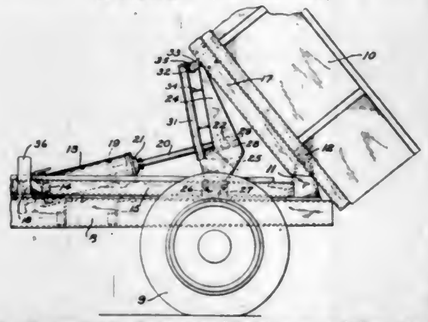
2,190,870

BODY DUMPING MECHANISM

Herman C. Frentzel, Jr., Shorewood, and Carl G. Novotny, Milwaukee, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application April 20, 1939, Serial No. 268,882

8 Claims. (Cl. 298—22)



1. A dump body assemblage comprising, a vehicle chassis having a dump body pivotally associated therewith, an auxiliary frame mounted upon said chassis and having a hoist pivotally associated therewith, lifting levers disposed at the opposite sides of said body and pivotally mounted upon said frame and having rails forming trackways, brackets secured to said body in proximity to said levers and having thereon rollers which are movable along said trackways, a transverse beam rigidly interconnecting said levers and having a pivot pin rigidly attached thereto, and a fitting connecting the movable member of said hoist with said pin, said fitting being formed to permit lateral tilting of said pin without subjecting said hoist member to lateral stress due to said tilting.

2,190,871

WATER HEATER

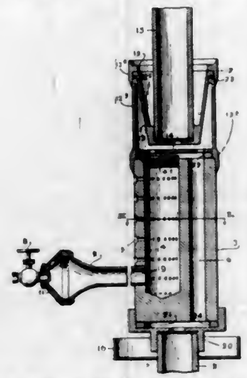
Frank Garvin, Pittsburgh, Pa.

Application March 2, 1938, Serial No. 193,461

2 Claims. (Cl. 122—23)

1. A water heater adapted for use with a storage tank, comprising a vertically positioned metallic block having a gas chamber formed therein and a plurality of bores leading from the chamber to the periphery of the block, said block

also having a relatively small water-receiving chamber extending longitudinally therethrough, means for leading combustible gas to said gas chamber, and a tubular extension member se-



cured to the top of said block and connected to said water-receiving chamber, said tubular extension member being constructed and arranged to expose water to gases of combustion rising upwardly from said block.

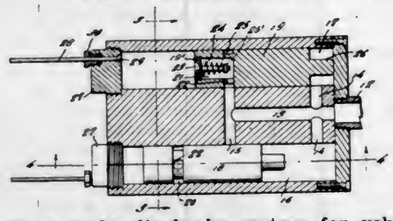
2,190,872

SAFETY DEVICE FOR HYDRAULIC BRAKE SYSTEMS

Simon C. George and John J. Weber, Pittsburgh, Pa.

Application May 18, 1939, Serial No. 274,454

8 Claims. (Cl. 303—84)



1. In a hydraulic brake system for vehicles, the combination with the front and rear wheel brakes, a master cylinder, fluid passages connecting the master cylinder with the wheel brakes, a piston slidably mounted in one portion of said passages and responsive to the pressure of the master cylinder to create a brake applying pressure in another portion of said passages and a valved passage in the piston having free communication with the passage leading to the master cylinder during normal brake applying movement of the piston, said valved passage being closed upon a predetermined brake applying movement of the piston.

2,190,873

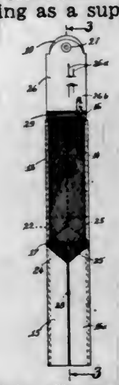
SEWING CASE FOR THREAD BRAIDS

David Goldman, New York, N. Y.

Application September 7, 1939, Serial No. 293,738

2 Claims. (Cl. 206—64)

1. In a sewing case for mounting and carrying a thread braid including an elongated strip having an overlapping closure flap member adapted to serve as a wall for a pin cushion, an intermediate portion and a bottom portion foldable over said intermediate portion, the intermediate and lower portions having integral and lateral flap members extending across the width of the strip and serving as single ply upper walls, the upper edge of the intermediate upper wall being straight and serving as a support for the folded



edge of said braid to offer resistance and prevent crumpling of said braid when a thread strand is withdrawn, and detachable securing means between the closure flap member and the bottom portion to maintain the case in closed and folded position.

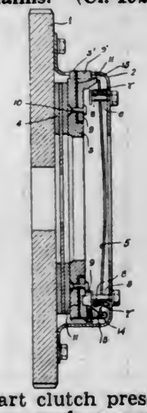
2,190,874

CLUTCH PRESSURE PLATE

George T. Jarrett, East Cleveland, Ohio, assignor to Ira Saks

Application August 16, 1938, Serial No. 225,134

2 Claims. (Cl. 192—113)



1. A multi-part clutch pressure plate consisting of a friction surface-engaging portion and an operating lever contact portion, both of said portions being so shaped and assembled as to form a normally complete pressure plate and including driving lug projections on the outer periphery of said portions, said projections being in registry with each other, a layer of insulating material separating said portions, and fastening means passing through both of said portions.

2,190,875

MINIATURE BULB AND SOCKET CONSTRUCTION

Maximilian Klein, Sellersville, and William E. Pfeffer, South Perkasie, Pa., assignors to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania

Application November 29, 1938, Serial No. 243,048

6 Claims. (Cl. 176—32)

1. A lamp, comprising a closed bulb having a filament therein, and a base consisting of two

conductor sleeves disposed in spaced relation endwise of said bulb, said sleeves being of equal diameter, an insulating sleeve electrically separating said conductor sleeves and forming with said con-



ductor sleeves a base having smooth external surface, connections between said filament and said conductor sleeves, and cementitious material in certain of said sleeves providing a closure completely housing one end of said bulb.

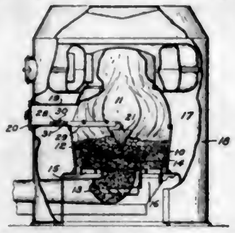
2,190,876
CLOTHESLINE PROP
Ruben J. Kroenke and Frank Fuller, East Detroit, Mich.
Application November 29, 1938, Serial No. 243,040
1 Claim. (Cl. 248—353)



A clothes line prop of the class described comprising a bar-like member bifurcated at its outer end and defining a line seating keeper notch between the furcations, a retention member in the form of a substantially rectangular block, said block functioning as a turn-button and being superimposed upon the bifurcated end portion of the prop, an attachment and pivot bolt passing through the block and the adjacent companion portion of the prop at a point in alignment with and below the crotch of said keeper notch, said bolt being provided with a wing nut for clamping the block in open and closed positions, the retention end portion of said block being provided with a transverse kerf, said kerf being at substantial right angles to said keeper notch and of arcuate form, the kerf opening through one longitudinal edge of the block for reception of the adjacent portion of the line, and being disposed for coaction with the crotch portion of the notch and located in concentric relation with respect to the axis of said bolt, whereby to permit it to swing over the line to securely retain the latter in place in the respective notch and kerf.

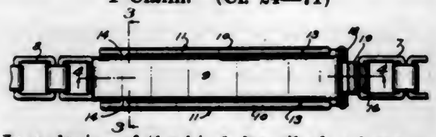
2,190,877
FURNACE APPLIANCE
Howard R. Lees, Wauwatosa, Wis.
Application December 2, 1938, Serial No. 243,513
7 Claims. (Cl. 110—45)

1. In combination with a combustion chamber having means for feeding fuel upwardly thereto, of a downwardly converging tapered body pointing into the burning fuel bed and centrally toward the fuel admission opening, the space below said body being devoid of permanent obstructions and the tapered walls thereof being provided with upwardly extending corrugations



for positively guiding the rising fuel in segregated strips while directing the same outwardly.

2,190,878
WRIST WATCH BRACELET
Theodore Lundman, Hopkins, Minn.
Application February 9, 1938, Serial No. 189,604
1 Claim. (Cl. 24—71)



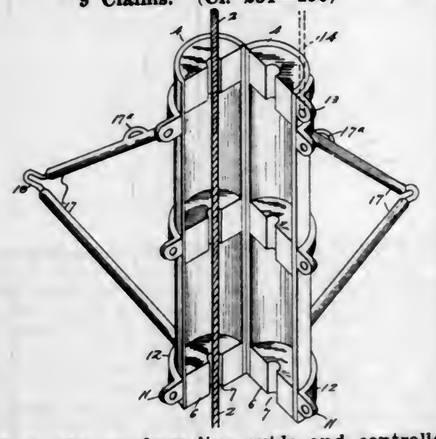
In a device of the kind described, a lower coupling segment having upwardly and inwardly turned marginal guide channel-forming flanges, an upwardly bulged upper hood-forming segment having downwardly and outwardly turned marginal flanges slidable in the channels formed by the inturned flanges of said lower coupling segment, the said hood-forming upper segment being normally open at its bottom, said lower segment affording the bottom to said hood-forming segment when slid within the same, a link hingedly connected to the extended end of said lower coupling segment, a second link pivoted to the free end of said first noted link, a flexible connection between the extended end of said second noted link and the extended end of said upper coupling segment, said two links being foldable together and into the channel of said lower coupling segment and then adapted to be slid under the hood-forming portion of said upper coupling segment, and means for securing said two coupling segments in different adjustments with the links folded as stated.

2,190,879
VENDING MACHINE
Harry F. Mayfield, Anderson, S. C.
Application June 2, 1938, Serial No. 211,437
8 Claims. (Cl. 312—37)



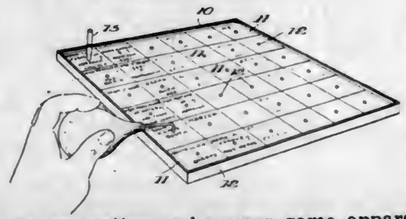
8. In a machine for vending towels or the like having grommets, a relatively stationary rod to receive the grommets thereon, an element having means for controlling the passage of the grommets longitudinally of the rod, means for mounting the element upon the relatively stationary rod and holding it against bodily movement longitudinally of the rod and permitting the same to move transversely of the rod, means to move the element transversely of the rod for releasing each of the grommets in succession including a reciprocatory bar movable longitudinally of the rod, and means to hold the bar against turning movement upon its longitudinal axis and to reciprocate the same.

2,190,880
DRAW WORKS LINE CONTROLLER
Perry M. Moss, Long Beach, Calif.
Application January 21, 1938, Serial No. 186,148
9 Claims. (Cl. 254—190)



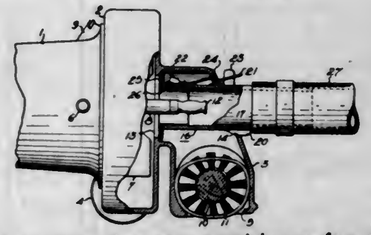
1. A wire or draw line guide and controller, including an elongate body comprised of a pair of longitudinally opening and abutting, complementary sections with side arms having bridle hitch means angularly about 90° from the section abutting plane location and at a transverse plane about mid length of the body, and a hitch device to receive a suspending element at a point adjacent one end of the body and about on the same diametral plane along the body as the abutting faces of the sections and the hitch device being eccentric of the body axis at a point to cause the body to hang tilted to conform to the draw line angle.

2,190,881
QUESTIONNAIRE GAME
Harry B. Palmer, New York, N. Y.
Application September 29, 1938, Serial No. 232,416
4 Claims. (Cl. 35—9)



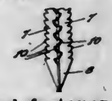
2. In a question and answer game apparatus, a board having a plurality of non-connecting air conducting passages formed within the same and having their end portions extending to different points in its area; openings in the board's surface, one opening at an end portion of each slot and communicating therewith; a manually portable air operated signal device having an interchangeable connection with any of said openings whereby the signal device is maintained in position, and a manually portable hand operated pneumatic pressure producing device having an interchangeable connection with any one of said openings, where upon proper selection of any pair of said openings air pressure may be transmitted to the signal device from said pressure producing device.

2,190,882
CONVERTER COUPLING FOR VACUUM CLEANERS
Lloyd W. Pardee, Lakewood, Ohio, assignor to The Scott & Fetzer Company, Cleveland, Ohio, a corporation of Ohio
Application June 3, 1937, Serial No. 146,192
3 Claims. (Cl. 15—9)



1. A suction cleaner comprising a fan chamber having a centrally arranged inlet, a floor cleaning nozzle depending from said chamber, the upper end of said nozzle surrounding said inlet, an opening in said nozzle in alignment with said inlet adapted to receive and position a dusting tool coupling in operative position in said inlet, a dusting tool coupling having one end thereof secured to a dusting tool conduit and the other end thereof provided with a flexible rubber annulus proportioned to overlap the edges of said inlet and be drawn into engagement throughout the overlapped edge area by suction in the fan chamber.

2,190,883
LOCK NAIL
Joseph L. Pauze, Two Rivers, Wis.
Application August 20, 1938, Serial No. 225,967
1 Claim. (Cl. 85—21)

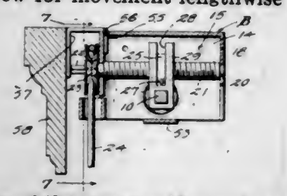


A driven-headed fastener comprising a shank having longitudinally extending webs projecting laterally therefrom and having their lower ends cut diagonally to provide the fastener with a tapered end adapting it to be easily driven into place, said webs having their outer side edge portions formed with teeth or spurs, the teeth or spurs being alternately bent laterally in opposite directions and serving to prevent the fastener from working loose after being driven into place.

2,190,884
VENETIAN BLIND EQUIPMENT
Albert L. Rosenstein, Lancaster, Pa., assignor of one-half to Morris Rosenstein and one-half to George R. Smith, Jr., Lancaster, Pa.
Application April 16, 1938, Serial No. 202,556
1 Claim. (Cl. 156—17)

Venetian blind equipment comprising a tilt bar, supporting means for the bar including a box-like bracket having its inner face open and having an outer face wall provided with means with which the tilt bar directly engages, an upstanding slotted rock bar carried by the tilt bar

and positioned within the box-like bracket, a screw rotatably supported within the box-like bracket and disposed substantially at right angles to the tilt bar, a member in threaded engagement with the screw for movement lengthwise thereof



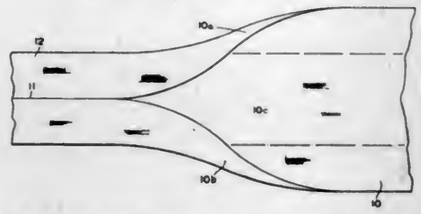
upon rotation of the screw, said member coacting with the outer face wall of the bracket to hold the member against rotation, and a part carried by said member and extending into the slot of the rock bar to rock the tilt bar as said member moves along the screw.

2,190,885
ATMOSPHERIC PRESSURE WATER REMOVER
William W. Roy, Oakland, Calif.
Application October 5, 1937, Serial No. 167,477
1 Claim. (Cl. 68—241)



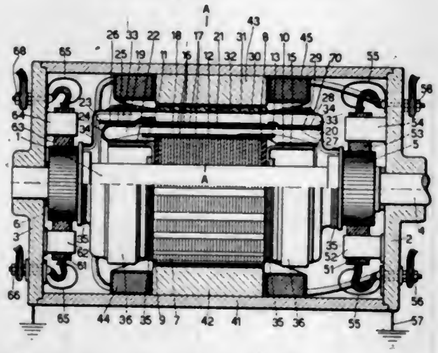
In an apparatus for damp drying clothes, a tank, a perforated partition arranged in an intermediate part of the tank to provide a rest for the clothes, a piston having a working fit within the tank above said partition, a removable cover for the tank having an opening therein, a valve member carried by the piston for closing the opening when the piston is in raised position and means for reciprocating said piston including a combination air pressure and vacuum pump, a four-way valve having one branch thereof connected with and communicating with the tank below said partition, and well above the bottom of the tank, said pump having a pair of check valves, a conduit connecting a second branch of the valve with one of said check valves, a second conduit connecting a third branch of the first mentioned valve with a second one of said check valves, and said valve including a core provided with a pair of passages one of which is adapted to connect the first and second branches of said valve and the other of which is adapted to connect the first and third branches of said valve, said pump acting, when the core of the valve is in the first named position to create a vacuum in the tank, and when the core of the valve is in the second named position to force air under pressure into the tank for raising said piston and a valve equipped drain pipe connected with the bottom of the tank.

2,190,886
FILTER MEANS AND METHOD OF MAKING SAME
Albert E. Schaaf, Chagrin Falls, George M. Walton, Cleveland Heights, and Clarence J. Glanzer, Lakewood, Ohio, assignors to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 7, 1939, Serial No. 277,835
4 Claims. (Cl. 183—71)



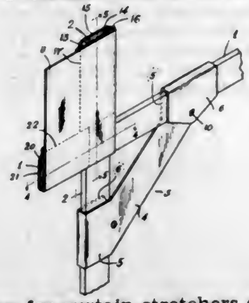
1. A filter unit comprising an elongated strip of screen material having its side edges folded along parallel lines inwardly over a central portion of the strip forming a strip of double thickness, said double strip having parallel nesting corrugations at an angle other than normal to the side edges of the strip, and said strip being bent transversely to fold one portion of said double strip lengthwise over another portion thereof, whereby the last named folded over portion does not nest on the underlying portion because of crossing corrugations.

2,190,887
ELECTRIC MACHINE
Ernst Schaeren, Soleure, Switzerland, assignor to Scintilla Ltd., Soleure, Switzerland, a corporation of Switzerland
Application February 10, 1938, Serial No. 189,839
In Switzerland February 12, 1937
8 Claims. (Cl. 171—206)



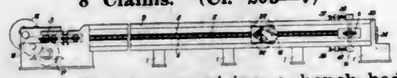
4. In a multiple-circuit dynamo-electric machine for radio telegraphy and telephony in combination a body of substantially constant electric potential, a core, a plurality of electrically independent sets of conductors wound on said core so as to cover a portion only of its surface, electrically conducting shielding members interposed between the said conductors of different sets and between the conductors of at least one set and the said core, each of the said shielding members being electrically connected to the said body but insulated from direct contact with said core and said conductors.

2,190,888
CURTAIN, CURTAIN STRETCHER, AND STRETCHER CLAMP
Frederick W. Schimmel, Bay City, Mich., and John M. Straub, Cleveland, Ohio
Application April 12, 1938, Serial No. 201,524
4 Claims. (Cl. 45—24)



3. A clamp for curtain stretchers and the like, said clamp being formed from a single piece of metal and comprising a body portion, end portions extending from said body portions and at an angle thereto, flange portions extending from said end portions in planes at right angles to the plane of said body and end portions, one of said flange portions extending from the plane of said body portion in a direction opposite to that of said other flange portion, and rebent portions extending from said flange portions and parallel with said end portions, said rebent portions overlying said end portions.

2,190,889
DRAWBENCH
Max Schunck, Oberursel, near Frankfort-on-the-Main, Germany, assignor to Hermann von Forster, Niederursel, near Frankfort-on-the-Main, Germany
Application August 26, 1937, Serial No. 161,153
In Germany August 28, 1936
8 Claims. (Cl. 205—7)

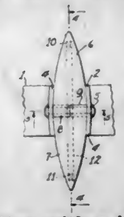


1. A drawbench comprising a bench-bedding having vertical sides, a chain extending adjacent said sides, at least one gripping carriage, means for coupling said carriage to said chain, means for mounting and guiding said carriage along at least one of said vertical sides to carry a work piece in a plane outside of and parallel to said sides, and means driving said chain alternately in opposite directions.

2,190,890
PROCESS FOR INFLUENCING THE GROWTH OF PLANTS
Josef Sellei, Budapest, Hungary, assignor to Big Mc's Photosensin Mfg. Inc., Yuma, Ariz., a corporation of Arizona
No Drawing. Application January 3, 1938, Serial No. 183,124. In Hungary January 15, 1937
10 Claims. (Cl. 47—58)

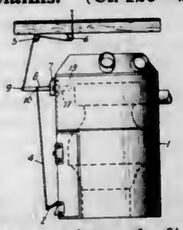
8. A process of influencing the growth of plants which comprises applying a combination of fluorescent dyestuff and a metal salt, selected from the group consisting of copper salts and iron salts, in an amount which will catalyze the action of said dyestuff to the medium surrounding the root system of the plants.

2,190,891
BUMPER GUARD
James E. Smith, San Francisco, Calif.
Application December 27, 1938, Serial No. 247,861
1 Claim. (Cl. 293—55)



The combination with a bumper, of a resilient pad secured to the front face of the bumper, a bracket having a base secured to the pad and having two vertically-disposed sides, a pin carried by the sides and being disposed in a horizontal position, two identical guard members pivoted to the pin, one projecting above and the other below the bumper, each member having a pocket, and a leaf spring having its ends receivable in the pockets and having its midportion disposed between the pin and bracket base, said spring holding both members in yielding engagement with the bracket base.

2,190,892
SAFETY DEVICE FOR FURNACES
Murray McGee Swepston, Columbus, Ohio
Application March 31, 1939, Serial No. 265,294
10 Claims. (Cl. 126—287.5)



2. In a furnace having a draft door which normally tends to close, an operating member extending from said door to a point from which the door is to be operated, and means for increasing the effective length of said operating member to permit the door to drop into closed position when the temperature of said furnace exceeds a predetermined degree, said means comprising a member connected to said operating member, said member being movable from a position where it is substantially at right angles to said operating member to a position where it is substantially in alignment with said operating member when the temperature of the furnace exceeds said predetermined degree.

2,190,893
INVISIBLE HATPIN
Beatrice T. Symons, Skowhegan, Maine
Application February 16, 1939, Serial No. 256,743
2 Claims. (Cl. 132—68)

1. A hatpin having a pair of substantially parallel legs and a substantially U-shaped integral connecting portion at one end thereof, one of said legs being pointed whereby to be insertible in a hat or hat band and the other of said legs having a corrugated portion to be received in the hair, the said pointed leg being of a greater length than the other leg.

2,190,894
POWDER PUFF AND METHOD OF MAKING SAME
Richard E. Thompson, Brooklyn, N. Y.
Application September 13, 1935, Serial No. 40,483
Renewed June 15, 1938
10 Claims. (Cl. 132—78.5)



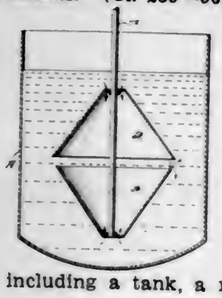
1. A powder puff including in its construction two discs or pieces of suitable fabric and of similar outline, each disc along its border being turned or bent out of the plane of its main body and toward the other disc and the outer edges of the two discs being in contact with each other; and stitches passing through said outer edges and securing the fabric discs together.

2,190,895
BODY DEVELOPING AND CORRECTING APPARATUS
Leta A. Turpin, Los Angeles, Calif.
Application June 7, 1937, Serial No. 146,872
1 Claim. (Cl. 272—57)



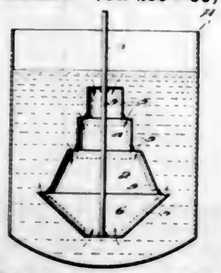
A body developing and correcting apparatus consisting of a short vertical standard having at one end a supporting member of tapering form, and at its other end a bearing, a hollow crank member rotatably mounted in said bearing and having crank arms on its opposite ends, means for causing and varying the amount of friction upon said crank member, round combination hand-gripping and feet-exercising members on said crank arms, whereby said apparatus can be operated by the feet or by the hands, supporting means for said apparatus having a tapering receiving socket to receive the supporting member of said standard whereby said supporting means is adapted to detachably receive and hold said base in vertical or horizontal positions, whereby said apparatus can be used in different positions.

2,190,896
REVOLVING CONE MIXER
Elvin M. Underwood, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application January 24, 1938, Serial No. 186,717
3 Claims. (Cl. 259—96)



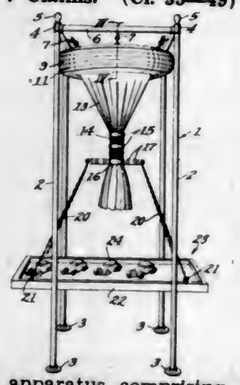
1. A mixer including a tank, a rotary shaft, hollow cones secured on the shaft in pairs and discharging toward each other, one cone of greater diameter than the other.

2,190,897
REVOLVING MIXER
Elvin M. Underwood, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application January 24, 1938, Serial No. 186,718
6 Claims. (Cl. 259—96)



1. A revolving cone mixer which includes a shaft and a plurality of rings, all concentric with one another, and each discharging into the other, at least one of the rings having a baffle or fin extending longitudinally thereof, and at least two cones of different pitch discharging toward each other, and having inlets at their smaller ends outside of and surrounding the rings.

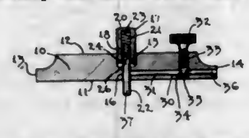
2,190,898
EDUCATIONAL DISPLAY DEVICE
George C. Van Veen, Chicago, Ill., assignor to The Pharis Tire & Rubber Company, Newark, Ohio, a corporation of Ohio
Application October 8, 1938, Serial No. 234,027
7 Claims. (Cl. 35—49)



1. Display apparatus comprising a frame, a horizontally disposed vehicle tire supported at the upper portion of said frame, a fabric body representing the fabric used in the tire structure secured at one end to said tire, and means representing weight supported by the opposite end of said fabric body.

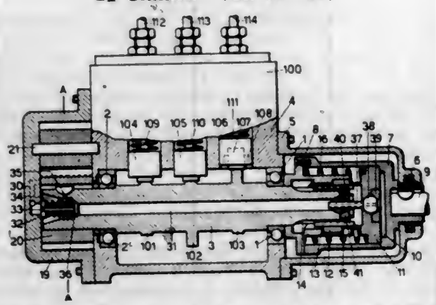
2,190,899
GAUGE
Frank J. Vierling, Minneapolis, Minn.
Application July 18, 1938, Serial No. 219,762
4 Claims. (Cl. 33—169)

1. In a gauge, a stock having a measuring face and formed with a guideway therein, a measuring rod longitudinally slidable in said guideway and adapted to be projected outwardly from the stock beyond said measuring face, a spring acting to thus project the measuring rod, said rod having a flat surface longitudinally thereof and a stop shoulder at its inner end aligned with said flat surface, a latch member carried by said stock and movable into and out of said guideway, a spring acting on said latch member to move the same into the path of said shoulder in said guideway, said latch member serving to engage the stop shoulder and thereby limit the



projection of the measuring rod under the action of said first spring, but being adapted, upon the application of additional force to said rod, to move out of said guideway and free the rod for removal from the stock, said latch member having a portion cooperating with said flat surface of said rod to maintain the angular disposition of the rod relative to the stock and thereby keep the stop shoulder on said rod operatively disposed with respect to said latch member, and means for securing the measuring rod in any of its various longitudinally assumed positions relative to said stock.

2,190,900
MOTION TRANSMITTING MECHANISM
Hesper von Tavel, Soleure, Switzerland, assignor to Scintilla Ltd., Soleure, Switzerland, a corporation of Switzerland
Application April 4, 1938, Serial No. 200,049
In Switzerland April 5, 1937
11 Claims. (Cl. 64—25)



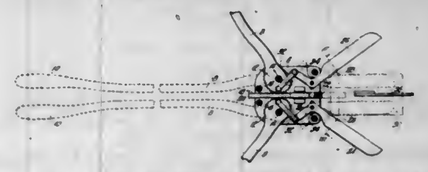
1. The combination of a rotatable shaft having an axial passage formed therein; a rotatable member axially aligned with said shaft; a cylinder and an axially shiftable piston enclosing together a variable working space; a spline connection between said piston and said rotatable member and a spline connection between said piston and said shaft, at least one of said spline connections being helicoidal and the spline connections so arranged that axial displacement of the piston entails relative angular displacement of said rotatable member and said shaft; a housing enclosing a fluid-containing space, means adapted for maintaining a controlled fluid-pressure in said fluid-containing space; means connecting said variable working space through said passage in said shaft to said fluid-containing space; and yielding means opposing axial displacement of said piston by the fluid pressure in said variable working space.

2,190,901
DRILL HOLE APPARATUS
Eugene Davis Wilcox and John Richardson Wilcox, Tyler, Tex.
Application September 13, 1938, Serial No. 229,732
7 Claims. (Cl. 166—19)



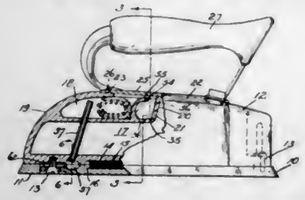
1. A carrier adapted to pass by gravity within a well bore, comprising a ballast chamber including a shell having discharge ports at its lower end, a movable closure within said chamber comprising a piston movable to occupy an upper ballast retaining position and a lower ballast releasing position, a rigid member supporting said piston, a key securing said member and piston in a normal ballast retaining position, an impact absorbing means extending longitudinally from said ballast chamber, and a bell crank coacting therewith to withdraw said key to permit said piston to assume a ballast releasing position.

2,190,902
WOOD SPLITTING TOOL
Thomas Walter Wimsatt, Kansas City, Mo.
Application May 1, 1939, Serial No. 270,995
4 Claims. (Cl. 145—1)



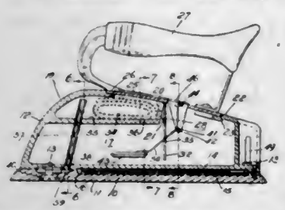
1. A tool for splitting short lengths of wood comprising a pair of opposed blades, each wedge shaped in transverse cross section and having their cutting edges in proximal relation; a plate on each side of the blades at one end thereof for holding the blades in operative position; pintles pivotally securing the blades to the plates; a pair of levers pivotally secured near one end thereof to the plates; and links interconnecting the adjacent ends of the levers and said blades whereby the blades are drawn toward and from each other as the levers are so operated, said blades each having a serrated portion along a length thereof adjacent to the plates, said levers having means between the plates for operably interconnecting the former for simultaneous movement, said means including an element projectable into the wood being split as the blades enter the wood on each side of the element.

2,190,903
ELECTRICALLY HEATED STEAM IRON
Edward J. Wiggins, Chicago, Ill., assignor to Jack Galter, Chicago, Ill.
Application December 18, 1939, Serial No. 309,751
4 Claims. (Cl. 38—77)



4. An electrically heated steam iron comprising a bottom member having an outer ironing surface and a plurality of steam discharge openings, a body member having a water chamber, said body member attached to said bottom member, means for electrically heating said iron and forming steam out of the water in the water chamber, a steam chamber having a rear wall, a floor and a top, said steam chamber formed within said body member above said water chamber, said steam chamber having an opening in its rear wall and an opening in its floor, a forewardly curved substantially semi-circular baffle member extending across the width of the steam chamber and forming an anteroom, the lower end of the baffle member contacting the floor of the steam chamber immediately forward of the opening in said floor, the upper end of the baffle member extending above and over said opening in the floor of the steam chamber, said baffle member adapted to stop water entering the anteroom from passing into the front portion of the steam chamber and by its curved surface to return the water through the openings in the rear wall and floor of the anteroom of the steam chamber back into the water chamber, said baffle member ending short of contact with the top of the steam chamber so as to leave a space therebetween for the passage of steam into the front portion of the steam chamber, and a steam conduit with its upper end in the front portion of the steam chamber, and its lower end communicating with the steam discharge openings in the ironing surface of the bottom member.

2,190,904
ELECTRICALLY HEATED STEAM IRON
Edward J. Wiggins, Chicago, Ill., assignor to Jack Galter, Chicago, Ill.
Application December 13, 1939, Serial No. 308,893
3 Claims. (Cl. 38—77)



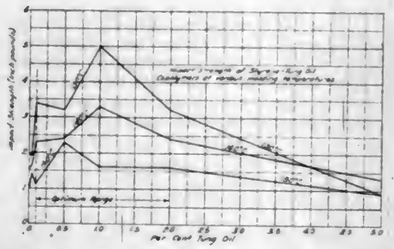
1. An electrically heated steam iron comprising a shoe plate having an outer ironing surface and steam discharge openings, a hollow body member attached to said shoe plate, an electrical element having means for connection with an electrical source of supply, said electrical element positioned between said shoe plate and said body member, said body member having a water chamber and means for the reception of water for said water chamber, a steam chamber formed within said hollow body member above the water chamber, said steam chamber having an opening to receive steam formed in the water chamber, a flap valve member swingably positioned adjacent said opening in the steam chamber and adapted to normally permit entry of steam in said opening, said flap valve member adapted upon forward movement of the iron to receive pressure from water in the iron as it rebounds against said valve and to swing to close said opening so as to prevent the passage of water therein, a steam conduit with its upper end in the steam chamber and its lower end communicating with said steam discharge openings in the shoe plate, and a handle attached to said body member.

2,190,905
INFLATABLE TIRE
Orin Welch, South Bend, Ind.
Application February 10, 1937, Serial No. 124,951
5 Claims. (Cl. 152—357)



1. In an inflatable vehicle tire the combination with a hub, of a pair of disc-like side members, each having a plurality of radial slits extending from the center thereof to form inturned flaps embracing said hub, a binding wire embracing said flanges and clamping the same to said hub and a tread member secured to the peripheries of said side members.

2,190,906
STYRENE-TUNG OIL COPOLYMER
Sylvia M. Stoesser and Arnold R. Gabel, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 5, 1939, Serial No. 249,464
8 Claims. (Cl. 260—23)

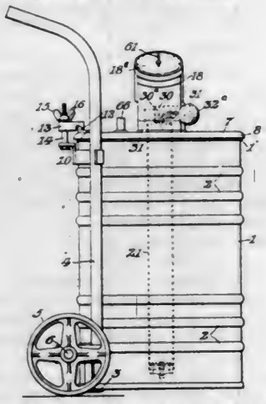


5. The copolymer of styrene and tung oil obtained by polymerizing a mixture consisting essentially of styrene and between about 0.1 and about 2.0 per cent of tung oil, said product being substantially insoluble in common organic solvents and having a high impact strength.

2,190,907
REACTION PRODUCTS OF DI-CHLORO-DI-OXANE AND THE HALO-ORGANIC ACIDS
Harold R. Slagh, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 28, 1937, Serial No. 161,469
9 Claims. (Cl. 260—338)

1. The di-ester of 1,4-dioxanediol-2,3 and a halogen-substituted carboxylic acid.

2,190,908
LIQUID DISPENSING APPARATUS
Jay Retsema, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application March 18, 1939, Serial No. 262,597
5 Claims. (Cl. 221—103)

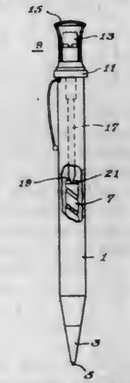


1. In liquid dispensing apparatus, including a pump cylinder, a piston mounted to reciprocate in said cylinder, a rod rigidly connected to said piston at one end, a gear rack rigidly connected with the other end of said rod, a gear in mesh with said rack, and a shaft carrying said gear; the combination with a single cast metal casing including a socket rigidly connected to one end of said cylinder, a slide bearing for said rack, a journal bearing for said gear and shaft, a separator chamber for liquid and lighter fluids, a vent from said separator chamber for lighter fluids, a meter chamber, a port from said separator chamber to said meter chamber, a register chamber, and a gear chamber between said meter chamber and register chamber; of a spring pressed check valve, in said meter chamber, normally closing said port; an outlet port from said meter chamber, through which liquid is dispensed; a pair of intermeshed rotary displacement meter members, in said meter chamber; two shafts, respectively rigidly connected with said meter members, journaled in parallel bearings in said casing, and extending from said meter chamber into said gear chamber; registering mechanism, in said register chamber; intermeshed gears in said gear casing, respectively rigidly connected with said shafts; a pinion on one of said shafts, in said gear chamber; and a train of gearing in said gear chamber, and extending in said register chamber, operatively connecting said pinion with said register mechanism.

2,190,909
PROCESS FOR MAKING FIBROUS MOLDED PRODUCTS AND MATERIALS
Max Phillips, Evansville, Wis., and Marshall J. Goss, Ashland, Ohio; dedicated to the free use of the People of the United States of America
No Drawing. Application June 7, 1938, Serial No. 212,304
6 Claims. (Cl. 106—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process for manufacturing a fibrous molded product comprising activating the lignin of a lignin-containing material by heating the material with alcohol in the presence of an acid catalyst, thence removing the chemically uncombined alcohol whereby the lignin is retained in an activated condition, and thence hardening the resulting material under pressure.

2,190,910
WRITING IMPLEMENT
Edgar B. Nichols, Moorestown, N. J., assignor to Nichols Products Company, Moorestown, N. J., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,310
7 Claims. (Cl. 120—18)



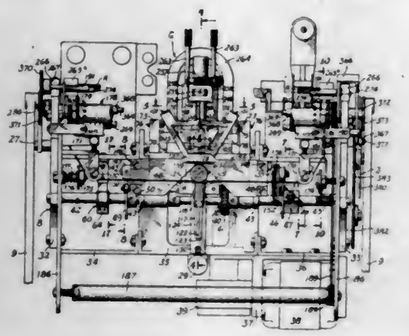
1. In a pencil of the magazine type, the combination of a casing, a cap rotatably carried by said casing, a rotary lead actuating member within said casing having a slot therein at the end thereof nearest said cap, and means carried by said cap having a flattened end received within said slot whereby, upon rotation of said cap on said casing, said actuating member is rotated.

2,190,911
PORTABLE SHEAR
Kurt W. Nebel, Chicago, Ill.
Application July 12, 1937, Serial No. 153,260
5 Claims. (Cl. 30—259)



1. A hand shear, comprising a stationary bottom blade, a lateral offset from said blade, said offset having an upwardly projecting extension, a movable blade pivotally attached to said extension in shearing relation to said stationary blade, and a hold-down unit projected from said extension over said movable blade and downwardly to a position alongside the remote side of the movable blade and over the course of the work.

2,190,912
MEASURING AND RECORDING INSTRUMENT
Frank Moore, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application March 6, 1935, Serial No. 9,655
10 Claims. (Cl. 74—1)

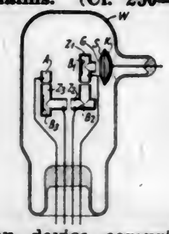


1. Apparatus for moving a movable member in accordance with the magnitude and direction of a deflectable member comprising in combination a floating lever forming part of a straight line motion mechanism, a pulley mounted on a free end of said lever, a belt passing around said pulley and operatively connected to said movable member, said lever and pulley normally having free relative movement with respect to said belt, detecting means for detecting the position of said deflectable member and cooperating in positioning said lever and pulley according to the position of said deflectable member, means for moving said lever and pulley from said position to a neutral position and simultaneously restricting the normally free relative movement between said belt and said lever and pulley, said last-named means including a bar having a V-notch within the confines of which said pulley operates, and drive means for reciprocating said bar to move the notch out of contact with said pulley to permit said lever and pulley to be positioned freely and to move said bar to engage said pulley and to cause it to roll to the said neutral position at the vertex of said notch.

2,190,913
PROCESS FOR PRODUCING ALUMINUM CHLORIDE
Paul Kühnel, Oberhausen-Holten, Germany, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany, a corporation of Germany
No Drawing. Application June 16, 1937, Serial No. 148,585. In Germany June 22, 1936
2 Claims. (Cl. 23—93)

1. A process for producing sublimated aluminum chloride, consisting in subjecting metallic aluminum to the action of hydrochloric acid gas at high temperatures varying between substantially 300° and 500° C. and in the presence of preformed zinc chloride that is introduced into the reaction zone in a quantity that is small in relation to the quantity of aluminum but sufficient to induce the required reaction between the hydrochloric acid gas and the aluminum at the temperatures indicated.

2,190,914
ELECTRONIC DEVICE
Otto Krensien, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin, Germany, a corporation of Germany
Application May 27, 1937, Serial No. 144,984
In Germany May 30, 1936
5 Claims. (Cl. 250—166)

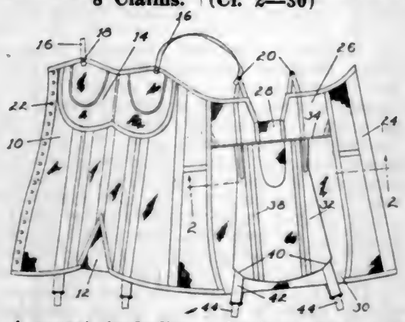


1. An electron device comprising a concave photoelectric cathode, a T-shaped secondary electron emissive electrode positioned in register with the cathode, a ring electrode positioned intermediate the cathode and the electrode and symmetrical with the cathode and an anode for collecting electrons from the secondary electron emissive electrode.

2,190,915
COPOLYMERS OF STYRENE WITH OITICICA OIL OR ITS DERIVATIVES
Shailer L. Bass, Sylvia M. Stoesser, and Robert D. Lowry, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 1, 1938, Serial No. 216,960
7 Claims. (Cl. 260—23)

6. As a new composition of matter, the copolymer of styrene and between about 0.02 and about 50 per cent by weight of a substance selected from the class consisting of oiticica oil, oiticica oil acids and synthetic oiticica esters, the said copolymer being substantially insoluble in common organic solvents.

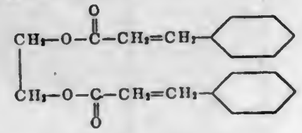
2,190,916
FOUNDATION GARMENT
Elsa E. Bertrams, Chicago, Ill., assignor to Kabo Corset Co., Chicago, Ill., a corporation of Illinois
Application July 3, 1935, Serial No. 29,612
8 Claims. (Cl. 2—30)



1. A corset, including a back section of resilient material, and a reinforcing panel of non-resilient material supplementing the resilient section and positioned thereover, the reinforcing panel being attached at portions of its upper edge to corresponding portions of the resilient material, the sides and lower edge of the reinforcing panel being free from the resilient structure.

2,190,917
ETHYLENE DICINNAMATE
Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 7, 1938, Serial No. 200,671
1 Claim. (Cl. 260—476)

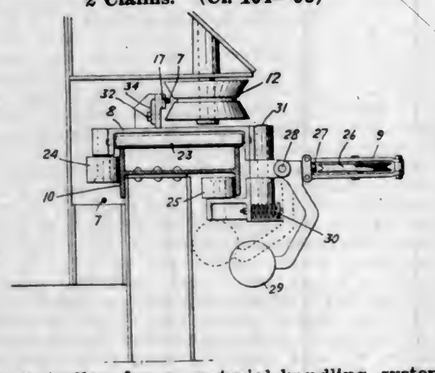
Ethylene dicinnamate, a white crystalline solid having a melting point of approximately 89.5° C. and having the formula:



2,190,918
PROCESS FOR IMPROVING LUBRICATING OILS
Herbert Goethel, Duisburg, Heinrich Tramm, Oberhausen-Holten, and Paul Schaller, Oberhausen-Sterkrade, Germany, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany
No Drawing. Application July 5, 1935, Serial No. 30,012. In Germany July 10, 1934
3 Claims. (Cl. 196—151)

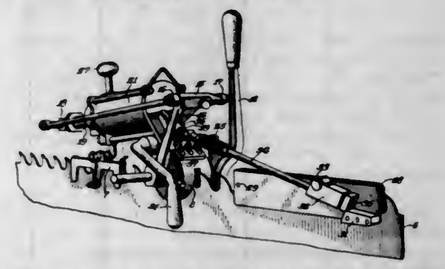
3. A method for improving the characteristics of a lubricating oil which comprises adding to a lubricating oil a substantial proportion of a polymerization product of propylene, the said product being obtained by treating propylene containing material under super-atmospheric pressure and at a temperature in the neighborhood of —30 degrees C. in the presence of a polymerization catalyzer for a sufficient time to permit the greater part of the reaction to take place after which the temperature is raised to room temperature under increased pressure to complete the desired reaction.

2,190,919
REMOTE CONTROLLED MOVABLE TAIL BLOCK
John H. Hampton, Oaklyn, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 2, 1938, Serial No. 193,485
2 Claims. (Cl. 104—93)



1. A trolley for a material-handling system, said trolley having a lever pivotally mounted thereon, a tail pulley-block mounted on said lever for limited movement relative thereto, rollers supporting said trolley for movement along a track, second rollers bearing on said track opposite said block and arranged to transmit strain from said block to said track, and a counterweight connected to said lever on the opposite side of said pivot from said block so as to counterbalance the strain of a pulley on said block.

2,190,920
POWER OPERATED SAW SWAGE
Ralph V. Hanchett, Big Rapids, Mich., assignor to Hanchett Manufacturing Co., Big Rapids, Mich., a corporation of Michigan
Application November 7, 1938, Serial No. 239,203
7 Claims. (Cl. 76—54)



1. The combination with a swaging device comprising a die, an operating lever therefor and means for actuating said lever, of a shoe provided with an abutment, a rod connected at one end to said lever and pivotally and slidably supported intermediate its ends on the shoe, said rod being aligned and disaligned with said abutment upon movements of said lever in opposite directions, and a pin for preventing retrograde movement of said shoe along the saw.

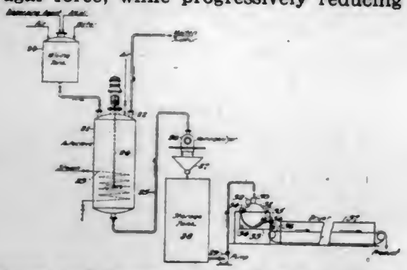
2,190,921
ESTERS OF OCTYL ALCOHOL WITH LOWER MOLECULAR WEIGHT SULPHO CARBOXYLIC ACIDS
Benjamin R. Harris, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 30, 1932, Serial No. 627,096. Renewed September 24, 1938
3 Claims. (Cl. 260—481)

2. An ester of a sulpho-carboxylic acid having from two to four carbon atoms with octyl alcohol.

2,190,922
METHOD OF COMMINUTING FUSIBLE MATERIALS SUCH AS SULPHUR
Sheldon B. Heath and Forest R. Minger, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application October 7, 1936, Serial No. 104,486
2 Claims. (Cl. 252—6)

1. The method of comminuting sulphur, which comprises intermixing molten sulphur with water in the presence of a dispersing agent under moderate agitation, while heating the mixture under pressure at a temperature above the melting point of sulphur to form a coarse liquid emulsion thereof, forcing such emulsion under pressure moderately in excess of its autogenous pressure into a zone of restricted area against an op-

posing centrifugal force, subjecting the emulsion in such zone to an intense mechanical shearing action, continuously expelling the fine liquid emulsion thereby formed under the applied pressure from said zone through a narrow passageway toward the center of generation of the centrifugal force, while progressively reducing the



pressure and temperature of the emulsion to solidify the molten particles of sulphur, and discharging the fine suspension of substantially solidified sulphur particles from around the center of centrifugal force generation into a zone of lower pressure, whereby a substantial proportion of the suspending water is flash evaporated from the mixture.

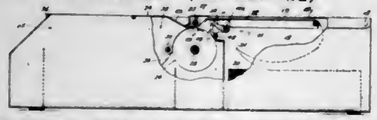
2,190,923

MANIFOLDING DEVICE

Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application March 16, 1936, Serial No. 69,047

27 Claims. (Cl. 282—21)



1. In a manifolding register, record strip feeding means including underlying and overlying strip-engaging members; a platen over which a strip extends while in engagement with the feeding means; a casing enclosing the feeding means and the platen and having a top below the general plane of which said overlying member is wholly located, the platen and the feeding means being relatively movable within the casing; and means for effecting a relative movement between the feeding means and the platen to vary the inclination of a strip-guiding surface of the platen relative to a horizontal plane containing the bite of the two members of the feeding means.

2,190,924

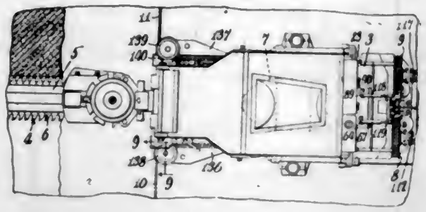
MINING MACHINE

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, Chicago, Ill., a corporation of Massachusetts

Original application August 11, 1933, Serial No. 684,707. Divided and this application March 11, 1936, Serial No. 68,269

5 Claims. (Cl. 262—28)

1. In a mining machine, flexible feeding and guiding means for the machine for moving the latter bodily over the mine floor and for controlling the angular position of the machine with respect to the coal face including relatively rotatable feed operating and controlling members adapted to cooperate respectively with flexible feeding and controlling means, and motor operated means for said feeding and controlling members for independently rotating the latter at either a high or a low speed including a motor shaft, a horizontal shaft extending longitudinally of the machine and driven by said motor shaft, a separate plural speed transmission mechanism for each member through which it, but not the other member, is driven, said transmission mechanisms including fast and slow speed gears driven by said second mentioned shaft and spaced longitudinally of the latter, parallel shafts, one in-



dividual to each transmission mechanism, arranged with their axes parallel to a line parallel with said second mentioned shaft and operatively connected to said members respectively, fast and slow speed terminal gears coaxial with said third and fourth mentioned parallel shafts respectively and driven by said first mentioned fast and slow speed gears, and clutches for selectively connecting said terminal gears to said third and fourth mentioned parallel shafts.

2,190,925

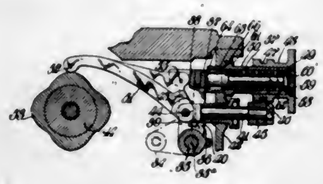
TRANSMISSION MECHANISM

Joseph F. Joy, Pittsburgh, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 15, 1935, Serial No. 26,813

Renewed January 18, 1939

11 Claims. (Cl. 74—125.5)



1. In combination, a driving member, a driven member, a friction clutch operative when loaded to connect said members for coaxial equiangular rotation, a lever swingable about a stationary pivot to load said clutch, yieldable means having a fixed point of reaction for applying loading pressure to said lever whereby the clutch is loaded by said yieldable means through said lever, said yieldable means having a predeterminedly-limited maximum pressure application, a continuously rotated cam, a lever pivotally movable thereby and having a portion effective on predetermined movements thereof to force said first mentioned lever against the pressure of said yieldable means into clutch unloading position, and means for altering the fulcrum point of said second mentioned lever to vary its action on said first mentioned lever and thereby the duration of loading of said clutch by said first mentioned lever.

2,190,926

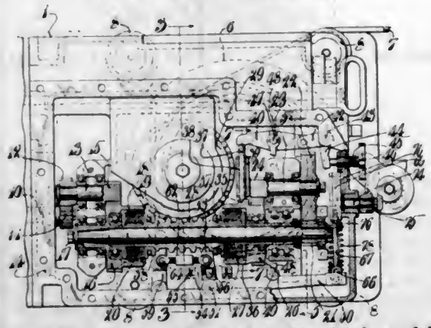
TRANSMISSION MECHANISM

Joseph F. Joy, Pittsburgh, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application January 29, 1936, Serial No. 61,321

Renewed November 28, 1938

16 Claims. (Cl. 74—125.5)



1. In a transmission mechanism, high and low speed driving means embodying a high speed drive clutch and a low speed drive clutch, means for automatically intermittently applying and releasing said low speed clutch at predetermined time intervals including means adjustable for variably setting said clutch applying and releasing means intermittently to apply and release said clutch at different time intervals to vary the low speed drive, and manually operable means operatively connected to an element of said automatic means and selectively disposable in positions respectively to relieve said low speed clutch from the action of said automatic means and apply said high speed clutch, and to release said high speed clutch and render said automatic means effective automatically to apply and release said low speed clutch, in each such position and during transit between such positions maintaining the adjustment of said variable setting means unchanged whereby, following a period of high speed drive, there may be a direct return to the same intervals as before of automatic application and release of the low speed clutch.

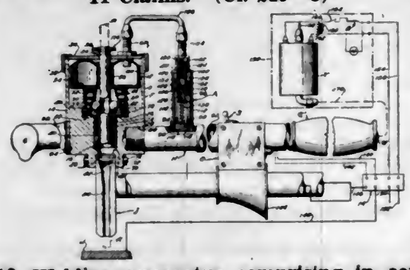
2,190,927

FLUID-PRESSURE ACTUATED WELDING APPARATUS

Harry E. Kennedy, Berkeley, Calif., assignor to The Linde Air Products Company, a corporation of Ohio

Application May 14, 1937, Serial No. 142,557

11 Claims. (Cl. 219—8)



10. Welding apparatus comprising in combination, a casing having a passage extending axially therethrough and adapted to receive a welding rod; a reciprocable one-way clutch mounted in said casing and adapted to engage a welding rod on alternate strokes to advance the same in one direction; an annular expansion chamber in said casing operatively associated with said clutch; and means for alternately inflating and deflating said expansion chamber.

2,190,928

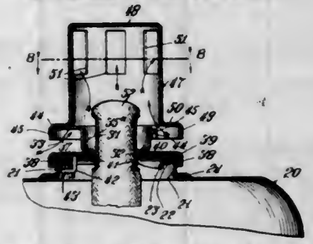
FLARE TORCH

Rudolph Kovac, Chicago, Ill., assignor to American Automatic Devices Co., Chicago, Ill., a corporation of Illinois

Application March 9, 1936, Serial No. 67,974

Renewed April 14, 1938

6 Claims. (Cl. 67—55)



1. In a flare torch, the combination of a spider member comprising a body portion and a plurality of arms extending outwardly therefrom, a wick tube secured in an opening in said body portion, a housing member closed at the top and having a plurality of openings in its side walls adjacent to its top wall and provided with shoulder means at its lower end portion in position to seat on said arms in outwardly spaced relation to the body portion of said spider so as to provide openings between the arms for the entrance of air between the body portion and the wall of the housing, means for securing said housing member rigidly in position on said arms, a receptacle having an opening in its top face, a closure plate having an opening therethrough in which said wick tube is mounted, and means for securely clamping said closure plate removably in position for closing the opening in the receptacle about the wick tube.

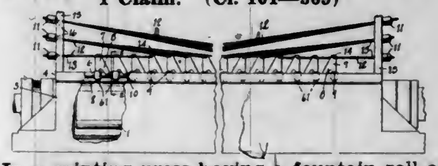
2,190,929

PRINTING PRESS FOUNTAIN

Herbert C. Behrens, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich.

Application August 16, 1937, Serial No. 159,240

1 Claim. (Cl. 101—365)



In a printing press having a fountain roll and a spring blade therefor having a roll engaging edge extending longitudinally of the roll and adapted to be adjusted at different points along its length, the combination of a plurality of cams spaced from one another along said blade each pivoted adjacent said blade on an axis perpendicular to the roll engaging edge of the blade and in operative relation thereto to move a portion of the blade in opposition to the spring of the blade on pivoting of the cam whereby the pivoting of the cam adjusts that portion of the blade adjacent said cam, a plurality of tension members extending along the roll to the end

thereof each having one end pivotally connected directly to one of said cams at a point spaced from its pivot, having its free end at the end of the roll screw threaded to engage a nut, a plurality of nuts each in direct screw threaded engagement with the free end of a tension member, and a panel adjacent the end of the roll having a plurality of thrust bearings one for each of said nuts disposed to hold said nuts against movement from the end of said roll along the roll, whereby screwing of a nut on a tension member and against its thrust bearing will exert tension on the cam to which the tension member is connected to turn it about its axis in opposition to the spring of the blade to adjust the position of the blade.

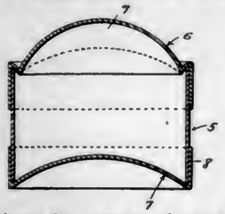
2,190,930

CONTAINER FOR ICE CREAM SUNDAES

Harry Boyd, Mercer, Pa.

Application October 3, 1938, Serial No. 233,111

5 Claims. (Cl. 229—5.5)



1. A container for prepared sundaes comprising a body, a removable bottom for said body and a removable lid for said body and including a chamber arranged outwardly of the body for receiving flavoring to combine with ice cream filling said body to make a sundae.

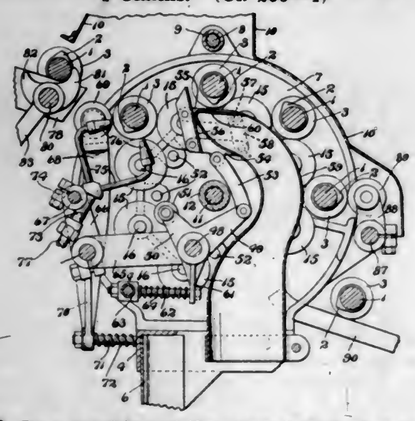
2,190,931

CAMSHAFT TREATING MACHINE

Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan

Application January 9, 1939, Serial No. 249,911

4 Claims. (Cl. 266—4)



3. In a machine of the class described, a movable camshaft receiving carriage, means for moving said carriage in step-by-step movements with intervals of rest between steps of movements, means for delivering a camshaft to the carriage at each step of movement thereof, means for heating cams on a camshaft after delivery to said carriage and during an interval of rest, means for cooling heated cams on said camshaft at a succeeding rest position of the carriage and camshaft, a shield normally extending between a shaft which is being heated and a shaft which is being cooled, and means in operative timed relation with the carriage moving means for automatically withdrawing said shield during step-by step movements of the carriage.

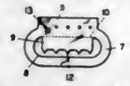
2,190,932

HOSE SUPPORTER

Victoria G. Corel, San Leandro, Calif.

Application October 18, 1938, Serial No. 235,595

4 Claims. (Cl. 24—245)



1. In a hose supporter having a depending tape end; a clasp member having a body with a series of holes therethrough, an integral wing adapted to be bent back over the body of said clasp member and a series of teeth in the edge of said wing and angularly disposed thereto and adapted to enter said series of holes whereby to impale said tape end extending between the body of said clasp member and said wing.

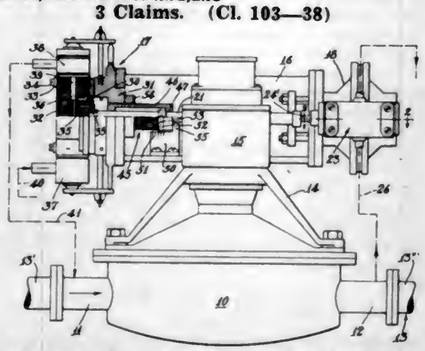
2,190,933

PROPORTIONING APPARATUS

Jeff Corydon and Rudy Lowe, Providence, R. I., assignors to Proportioners, Inc., Providence, R. I., a corporation of Rhode Island

Original application June 7, 1935, Serial No. 25,467. Divided and this application August 10, 1938, Serial No. 224,125

3 Claims. (Cl. 103—38)



1. A proportioning device having in combination, a reciprocatory pump, means for reciprocating said pump arranged to move said pump through its suction stroke with a yieldingly applied force, adjustable stop means acting to limit and vary the suction stroke of the pump, a screw threaded member for adjusting said stop means, said member having threads of one-tenth inch pitch, and said member having ten equal divisions about its circumference, and means providing an indicator showing the position of the stop means to an accuracy of one-tenth inch, and means cooperating with said divisions to show the position of the stop means to an accuracy of one-hundredth of an inch.

2,190,934

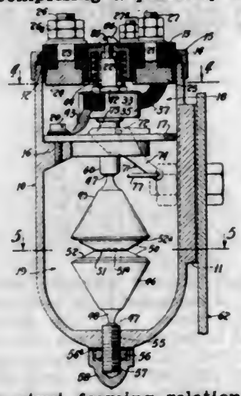
AUTOMATIC SAFETY SWITCH FOR VEHICLES

Joseph F. Courtney, Chicago, Ill.

Application February 21, 1938, Serial No. 191,691

10 Claims. (Cl. 200—52)

1. A switch embodying therein means providing a fixed contact, a fixed support spaced therefrom, a second contact mounted for movement toward and away from said fixed contact, means providing a strut arranged between said fixed support and said second contact for holding the latter in engagement with said fixed contact, said strut comprising a plurality of parts held



together in strut forming relation under compression, said parts being formed for disengagement from said supporting relation upon subjection to an abnormal shock to produce a disengagement between said contacts.

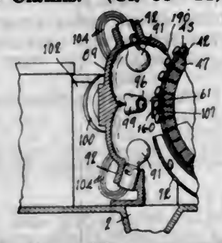
2,190,935

SORTING MACHINE

David C. Cox, Grand Rapids, Mich., assignor to Electric Sorting Machine Company, Grand Rapids, Mich.

Original application April 5, 1937, Serial No. 135,012. Divided and this application November 5, 1937, Serial No. 172,912

10 Claims. (Cl. 88—14)



4. In combination with a conveyor adapted to transport articles in spaced relation past a viewing point, a lamp housing disposed adjacent said conveyor, said lamp housing having an internal surface of substantially elliptical form with a focus thereof substantially at said viewing point, said housing having illuminating means substantially at another focus thereof, and means in the housing for viewing articles on said conveyor at the viewing point.

2,190,936

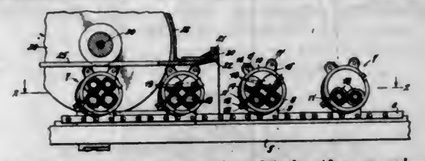
METHOD OF PACKING FOODSTUFFS

William de Back, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York

Original application January 26, 1937, Serial No. 150,579. Divided and this application April 10, 1939, Serial No. 267,205

2 Claims. (Cl. 226—14)

1. The method of packing elongated tapered articles in cans which consists in arranging a part of said articles with their tapers running in one direction, arranging the balance of said articles alongside said first part with their tapers running in the opposite direction and molding all of said articles to a bunch of predetermined cross sectional form, adjusting the articles lengthwise



relative to one another to obtain the maximum fill within a predetermined molding space, cutting off the ends of the articles projecting beyond said molding space and transferring the cut articles from said molding space to a can of similar proportions.

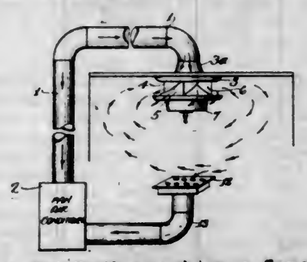
2,190,937

AIR CONDITIONING REGISTER

Charles Demuth, Jamaica, N. Y.

Application June 8, 1938, Serial No. 212,474

4 Claims. (Cl. 98—40)



1. In a distributing register, a flange connection adapted to be attached to an air supply, a deflecting cone mounted co-axially and spaced from the said flange to form therewith an emitting nozzle, stationary curved deflecting vanes placed within the said nozzle opening and adapted to deflect the air emitted from the nozzle in a circulatory path.

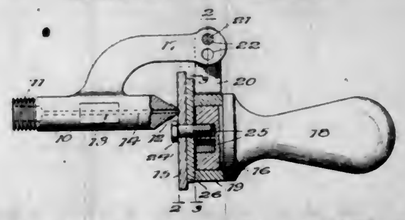
2,190,938

GAUGE COCK

John W. Ellis and Walter J. Davidson, Shreveport, La., assignors to Alva G. Blanchard, Shreveport, La.

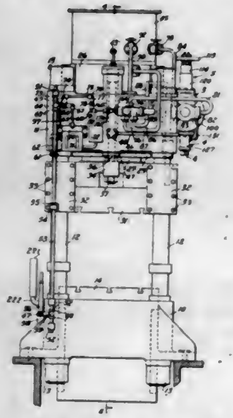
Application June 21, 1937, Serial No. 149,521

14 Claims. (Cl. 251—126)



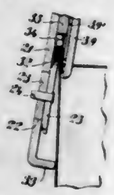
1. In a gauge cock, a nipple, a rotatable seating member normally engaging one end of the nipple for closing the latter, and means for varying the location of the center of rotation of said member relatively to said nipple, the point of engagement of the nipple against said member being variable by varying the location of said center of rotation.

2,190,939
HYDRAULIC SYSTEM AND CONTROL
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application August 5, 1935, Serial No. 34,652
15 Claims. (Cl. 60—52)



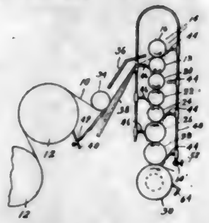
1. In a hydraulic press circuit, a pressing cylinder, a pull-back cylinder, a pump connected to said cylinders having a discharge controlling member, a valve having a reversing valve member for selectively and reversibly directing the discharge from said pump to said cylinders and a pump by-pass valve member in communication therewith; said valve members being arranged in one position to direct the pump discharge into said pressing cylinder while releasing the fluid from said pull-back cylinder, in a second position to by-pass the discharge of said pump while releasing the pressure from said pressing cylinder, in a third position to direct the discharge of said pump into said pull-back cylinder, an electrical device for operating said reversing valve member, and a switch operated by the discharge controlling member of said pump for controlling the energization of said electrical device while releasing the fluid from said pressing cylinder.

2,190,940
CAN OPENER
Maximilian C. Frins, Plainfield, N. J.
Application May 5, 1936, Serial No. 77,966
6 Claims. (Cl. 30—15)



1. A can opener comprising a frame, a cutter on the frame, a feed wheel rotatably mounted on the frame with provision for movement of the wheel toward and away from the cutter means on the wheel forming a braking surface, and a pivoted bifurcated spring member to maintain the wheel in a position away from the cutter, the spring member receiving the said means on the wheel between the bifurcations thereof.

2,190,941
PAPER CALENDERING APPARATUS
Delbert G. Gardner, East Millinocket, Maine, assignor to Great Northern Paper Company, Millinocket, Maine, a corporation of Maine
Application July 23, 1937, Serial No. 155,284
2 Claims. (Cl. 92—74)



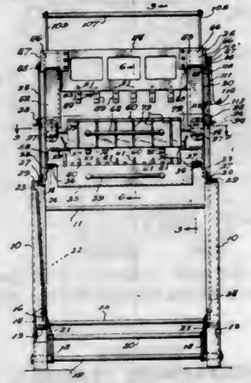
1. In a paper making machine, the combination of a pair of calender rolls, and means to detach the paper sheet from the surface of the upper roll and to carry the sheet onto the surface of the next lower roll, said means comprising a pipe arranged parallel to the axis of the upper roll having an orifice located in approximately the horizontal plane passing through said axis to apply an air blast directed downwardly in a straight line to impinge against the surface of and approximately tangential to the upper roll counter to the direction of movement of the surface thereof and to impinge against the surface of and approximately radial to the lower roll with sufficient velocity to detach the leading end of the paper from the surface of the upper roll and to carry it by direct action on the paper along the line of the blast across the space between said rolls and to press the paper upon the surface of the lower roll.

2,190,942
PROTECTIVE COVERING FOR CRAYONS
Edward S. Garvey, Clayton, Mo.
Application December 13, 1937, Serial No. 179,491
1 Claim. (Cl. 120—13)



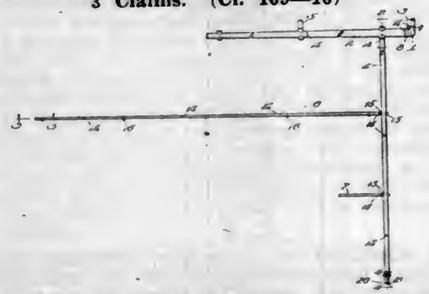
In a device for reinforcing and covering brittle crayons, a reinforcing tube made of a single piece of thin fiber having an inner friction surface conforming to and frictionally engaging the outer face of the brittle crayon, the internal diameter of said fiber tube being uniform throughout the length of the tube, the outer face of said fiber reinforcing tube being exposed to provide a protective covering for the reinforced crayon, said tube being open at both ends to receive a crayon longer than the tube, the discharge end of said thin fiber tube being tapered at its outer face only and slotted longitudinally to produce an annular series of yieldable, tapering gripping members integral with but of less thickness than the body portion of the fiber reinforcing tube, said tube being otherwise uniform in thickness throughout its length, and a detachable clamping band surrounding and slidable longitudinally of said annular series of yieldable gripping members, said clamping band having a tapered inner face frictionally united with said tapered outer face, so as to reinforce the tapering gripping members while securing the reinforced crayon to the tube, the outer face of said detachable clamping band being polygonal and larger in diameter than the outer face of the body portion of said reinforcing tube.

2,190,943
STICK HANDLING APPARATUS
Samuel Goodman, Chicago, Ill.
Application June 21, 1939, Serial No. 280,246
24 Claims. (Cl. 107—7)



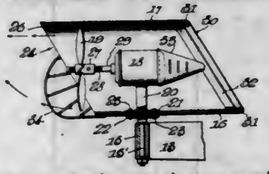
1. In a device of the character described, a supporting structure, means for supporting and positioning a stick receiving device on said structure, means for carrying a plurality of rows of sticks disposed on said structure, and means movable upon said structure for periodically selecting one stick from each of said rows within said carrying means and expelling same from said carrying means into said stick receiving device, said supporting and positioning means comprising a pair of tracks disposed upon said structure, a drawer-like member adapted to hold said stick receiving device, slots formed on said tracks, projections on said drawer-like member for engaging in said slots for positioning said drawer-carrying device in various positions with respect to said movable selecting means, said slots being disposed along said tracks substantially parallel to the direction in which said drawer-like member is moved to said positions with respect to said movable selecting means.

2,190,944
PIPING FOR FIRE EXTINGUISHING SPRINKLER SYSTEMS
William Grimshaw, Oak Park, Ill.
Application June 18, 1938, Serial No. 214,527
3 Claims. (Cl. 169—16)



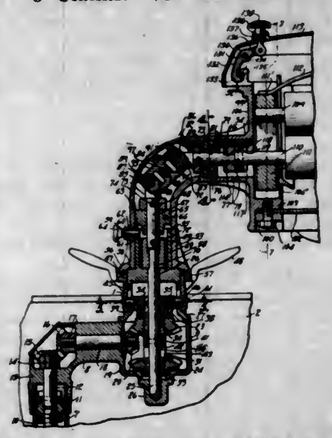
2. In a fire extinguishing sprinkler system, a cross main of ductile sheet metal composed of a plurality of long sections arranged end to end decreasing gradually in diameter from the inlet end of the main to the other end, the metal of said cross main being deformed to provide each section with short integral sleeve-like projections, and lines adapted to carry sprinkler heads each decreasing gradually in diameter from the end adjacent to the cross main to the other, each line making a butt joint with and welded to one of said projections, and projections on said lines, for the attachment of sprinkler heads, similar to the aforesaid projections.

2,190,945
AIR CIRCULATING DEVICE
Arthur E. Guth, Bangor, Maine
Application January 31, 1939, Serial No. 253,909
6 Claims. (Cl. 230—120)



1. An air circulating device comprising a horizontal sleeve open at both ends, and a rotary fan mounted in said sleeve near its outlet end for rotation in a vertical plane to create a current of air longitudinally through said sleeve, the outlet end of said sleeve being so shaped that it overlies said fan but does not underlie the same, whereby the air leaving the upper portion of the sleeve will be directed horizontally and the air leaving the lower portion of said sleeve will be directed upwardly.

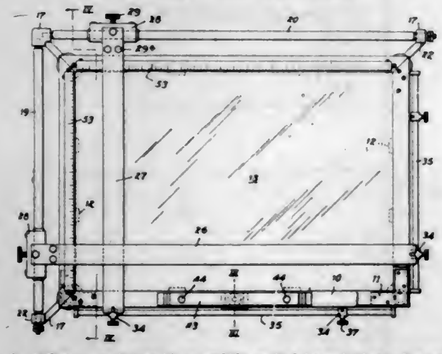
2,190,946
WRINGER
Sidney S. Holland, Sandusky, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 16, 1935, Serial No. 54,679
5 Claims. (Cl. 68—274)



1. In a wringer mounting, a fixed supporting member, a tubular elbow-shaped wringer supporting arm, means mounting one terminal of said arm for swinging movement about an axis of said supporting member, a wringer including a side member formed as an integral part of the other terminal of said arm, a wringer roller carried by said frame, a shaft for said roller hav-

ing an end extending through the side member and into said arm, a bearing supported by the arm in said last named terminal, a shaft mounted in said bearing, and means in said terminal intermediate said bearing and said fixed supporting member for connecting said shafts including a pin and notched coupling disengaged by axial movement of the shafts away from each other.

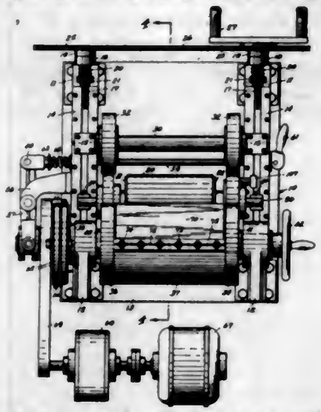
2,190,947
STRIPPING, INSERTING, AND DRAWING TABLE
Edward F. Kinzler, Pittsburgh, Pa.
Application November 22, 1938, Serial No. 241,825
5 Claims. (Cl. 33—184.5)



1. The combination with a table of the character described, of a guide rod disposed adjacent to one edge of the table, a straight-edge adapted to overlie the table, a head member carrying the straight-edge and embracing the said guide rod and slidable longitudinally of the rod, a presser member carried by and extending transversely of said head, means on the head for yieldably maintaining the presser member in thrust engagement with the rod, in a direction parallel to the straight-edge, a second guide rod mounted adjacent to the opposite edge of the table, a locking device slidable on the last-named rod, means for fastening the device at desired fixed positions on the rod, and means for effecting locking engagement of said device with the adjacent end of the straight-edge.

2,190,948
TRANSFER MACHINE
Leon E. La Bombard, Nashua, N. H., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application September 14, 1937, Serial No. 163,833
7 Claims. (Cl. 95—73)

1. A machine for effecting successive transfers of a single image on a photographic film to the sensitized surface of a cylinder with each transferred image being arranged on the cylinder in a predetermined position, said machine comprising a frame, a pair of drums journalled in the frame in spaced apart relationship, a shaft arranged in the frame and extending in parallel relationship to said drums and being provided with cylindrical end members, said cylinder being mounted upon said shaft intermediate said end members, said drums being provided with means for detachably securing the ends of the film thereto, and means yieldingly urging said shaft toward said drums to bring the end members in engagement with the periphery of the ends of the drums, and a portion of the periphery of the cylinder into engagement with the film, a light source arranged on the side of the



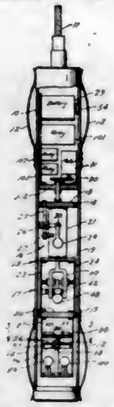
film opposite to said cylinder, and means operable to effect rotation of said drums and shaft.

2,190,949
EXPLODED CEREAL
William J. Plews, Chicago, Ill., assignor to Plews Processes, Inc., a corporation of New York
Application March 21, 1938, Serial No. 197,203
10 Claims. (Cl. 99—82)

1. The process of exploding cereal kernels having bran teguments which comprises subjecting the kernels to heat and gas pressure in the presence of a salt, and suddenly releasing the gas pressure.

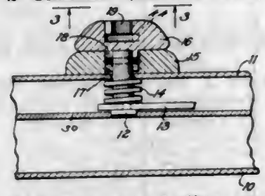
5. A cereal product, comprising exploded cereal kernels characterized by minute particles of bran tegument adhering to the surface of said kernels.

2,190,950
APPARATUS FOR DETERMINING THE INCLINATION AND DIRECTON OF A HOLE
Gennady Potapenko, Pasadena, Calif.
Application November 3, 1937, Serial No. 175,856
9 Claims. (Cl. 177—351)



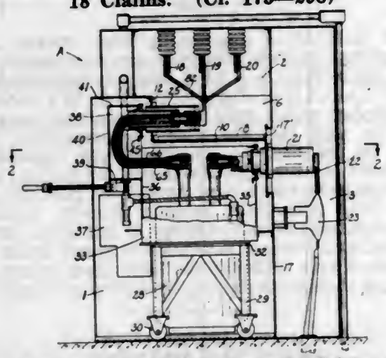
1. Apparatus for determining inclination comprising a body adapted to assume the inclination to be measured, means for generating an elastic vibration, means for varying the frequency of said elastic vibration in response to the inclination of said body, and frequency measuring means responsive to said elastic vibration.

2,190,951
AUTOMOBILE DOOR HANDLE
Martin J. Roach, Brighton, Mass.
Application February 23, 1938, Serial No. 191,929
2 Claims. (Cl. 292—348)



1. In a vehicle door including an inner panel of upholstery and a truss, a spindle bearing against the truss and operating a latching mechanism, a spring on said spindle urging said panel inwardly, a head having a socket therein, a sleeve integral with said head and surrounding said spindle, a locking pin extending through said sleeve and said spindle, a washer surrounding and concealing said sleeve and pin, and a lever provided with an integral projection for engagement with said socket.

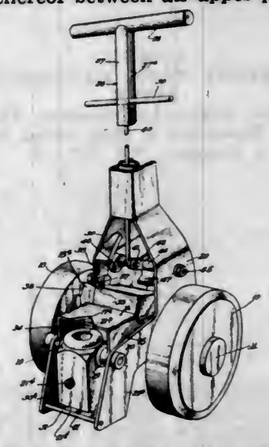
2,190,952
ELECTRIC SWITCHGEAR
Allen M. Rossman, Wilmette, Ill.
Application August 23, 1937, Serial No. 160,521
18 Claims. (Cl. 175—298)



1. A three-phase switch for establishing three-phase circuit connections between a stationary structure and a comparatively massive movable structure that is moved into and out of circuit establishing position with respect to the stationary structure, said switch including a group of three contact members, one for each phase, mounted on the stationary structure and a group of three contact making members mounted on the movable structure and movable into engagement with the respective contact members, a floating support mounted on one of the structures and supporting one of said groups of members to permit free floating movement of said group of members in unison, and means for guiding the floating support to bring the cooperating members of the groups into alignment as the movable structure is moved towards circuit establishing position with respect to the stationary structure.

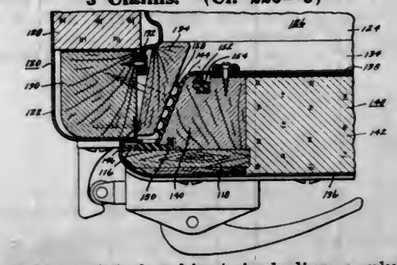
2,190,953
JACK
Irwin F. Smith, Faribault, Minn., assignor to Nutting Truck Company, Faribault, Minn., a corporation of Minnesota
Application December 14, 1938, Serial No. 245,550
11 Claims. (Cl. 280—46)

11. A jack of the class described comprising a pair of wheels provided with an axle, load elevating mechanism rockably suported on said axle, a tongue pivotally secured to said mechanism for rocking the same to and from load elevated position, locking means automatically engageable with said mechanism when in the elevated position for retaining said mechanism in said position independently of said tongue and to render the latter freely manipulable about the pivotal axis thereof between an upper position and



a lowermost position, a latch automatically operable for releasably retaining said tongue in said upper position, and mechanism comprising a member carried by said tongue and operable manually to release said latch to enable the tongue to be lowered from said upper position and operable also when said tongue is in said lowermost position for releasing said locking means to enable said load elevating mechanism to be lowered by said tongue.

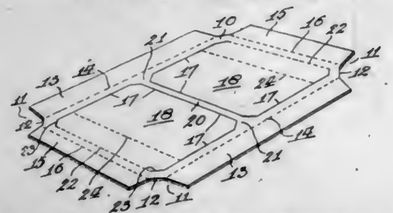
2,190,954
REFRIGERATING APPARATUS
Carl A. Stickel, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 30, 1935, Serial No. 52,362
3 Claims. (Cl. 220—9)



1. An insulated cabinet including a plurality of insulated walls forming an insulated enclosure, one of said walls being provided with a door opening therein for access to the enclosure, a door for said door opening, said door having a portion fitting into said door opening and a marginal portion overlapping the outer face of the wall immediately surrounding the door opening, and sealing means of rubber-like material extending around the periphery of the door, said sealing means comprising an outer sealing portion extending between the overlapping portion of the door and the outer face of the wall immediately surrounding the door opening, an inner sealing

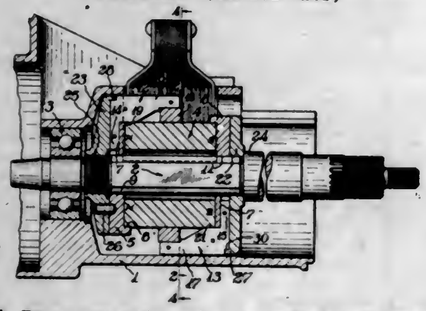
portion extending between the fitted-in portion of the door and the door opening in said one wall, said inner sealing portion being integral with said outer sealing portion and extending substantially entirely across the fitted-in portion of the door, and a plurality of flexible ribs extending between said inner sealing portion and said door opening and having free projecting edges which effect a wiping action between said inner sealing portion and said door opening when the door is closed.

2,190,955
FRESH FRUIT PACK EXTENSION AND LINER
George Sykes, Los Angeles, Calif.
Application December 7, 1938, Serial No. 244,416
8 Claims. (Cl. 217—3)



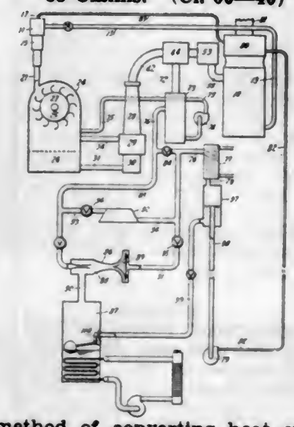
1. A combined liner and wall extension member for fruit packing boxes comprising a sheet of thin material, the corners of which are cut away to form notches having straight edges at their inner ends, which straight inner edges are inclined substantially forty-five degrees relative to the side and end edges of the sheet, the portions of the sheet between the sides of said notches constituting side and end flaps, the sheet of material being scored along lines parallel with its side and end edges so as to define the lines of fold for said side and end flaps, the ends of which scored lines terminate at the ends of the straight inclined edges at the inner ends of said notches and that portion of the sheet within said side and end flaps being cut to form a pair of flaps that are adapted to be opened upwardly and outwardly.

2,190,956
MAGNETO GENERATOR
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 18, 1937, Serial No. 148,891
7 Claims. (Cl. 171—209)



1. In a magneto rotor, a cylindrical magnet with poles at its ends, slotted end plates of magnetic material supporting the ends of the magnet, a rotor shaft on which said end plates are mounted, laminated L-shaped pole pieces each having one arm mounted in an end plate slot and the other arms extending axially of the magnet and spaced therefrom, and non-magnetic means for supporting and anchoring the ends of said axially extending arms.

2,190,957
METHOD AND APPARATUS FOR GENERATING POWER
Edward T. Turner, Dayton, Ohio
Application November 26, 1937, Serial No. 176,506
35 Claims. (Cl. 60—40)



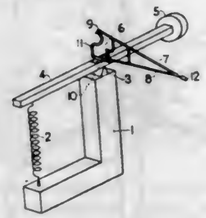
1. A method of converting heat energy into mechanical energy which comprises heating a liquid propellant to a high temperature, subjecting the heated propellant to pressure in a conduit, introducing water into said propellant in such quantity that the water will be converted into steam by the heat of the propellant, expanding said steam within and about said propellant and converting the steam and propellant pressure energies into propellant velocity energy, utilizing said propellant velocity energy to actuate a power element, and then separating the steam from the propellant and utilizing the separated steam for restoring said propellant to its initial pressure.

2,190,958
PRICE TAG MOLDING
William W. Vander Clute, Elizabeth, N. J.
Application March 12, 1936, Serial No. 68,432
Renewed July 13, 1939
6 Claims. (Cl. 40—16)



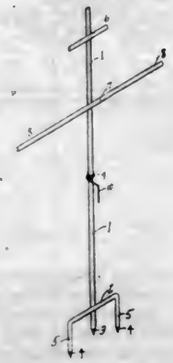
2. A device for supporting display material in the form of strips or tags comprising a flat strip of molding having on one side thereof a pair of spaced oppositely disposed folds forming parallel metal ledges extending toward each other to form with the surface of said one side a pair of grooves for receiving a flat strip of material, a second pair of spaced oppositely disposed folds forming parallel metal ledges, one of each of said ledges formed by said second pair of folds being adjacent one of the first pair of ledges but above and on the outside thereof, said second pair of ledges extending toward each other for forming a second pair of oppositely disposed grooves for receiving a second strip of material in superimposed spaced relationship with the first strip of material.

2,190,959
GRAVITY MEASURING INSTRUMENT
Stephan Baron von Thyssen-Bornemisza, Hanover, Germany, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 15, 1938, Serial No. 235,190
In Germany January 17, 1934
4 Claims. (Cl. 265—1.4)



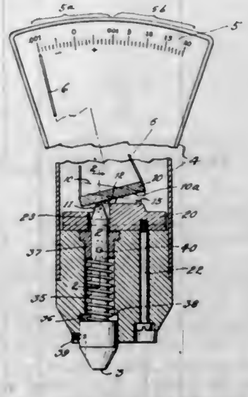
1. A gravity meter comprising a lever, a fulcrum supporting said lever, a mass attached to said lever on one side of said fulcrum, spring means connecting said lever to a fixed point and adapted to oppose any downward movement of said mass, a projecting member attached to the lever in a plane passing through the fulcrum and perpendicular to the longitudinal axis of the lever, and a second mass supported by said member.

2,190,960
EASEL FOR CEMETERY WREATHS
Karl F. Wagler and Gerald A. Roach, Youngstown, Ohio
Application February 3, 1938, Serial No. 188,429
Renewed December 28, 1939
2 Claims. (Cl. 248—156)



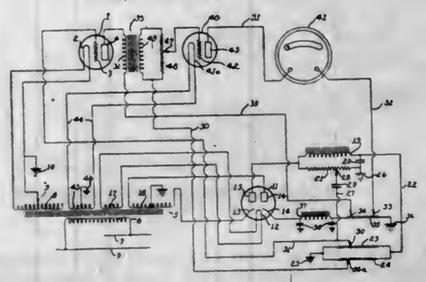
2. An easel for cemetery wreaths comprising an upright body member, an inverted U-shaped base positioned near the bottom of said member, pointed ends on said U-shaped base and on the bottom of said body member, for the purpose of providing a convenient means of inserting the easel in the ground, a short holding arm positioned near the top of the upright body member and functioning with the same in holding a wreath, a relatively longer holding arm positioned on said body member below said short arm, and a clip slidably positioned on the said body member and adapted to hold the bottom portion of the wreath in close relation to the body member, firmly and under slight tension due to the bowing of the wreath across the said relatively longer holding arm.

2,190,961
MEASURING INSTRUMENT
George D. Webber, Cleveland, Ohio, assignor to Webber Metric Gage Company, Cleveland, Ohio, a corporation of Ohio
Application April 16, 1938, Serial No. 202,510
11 Claims. (Cl. 33—172)



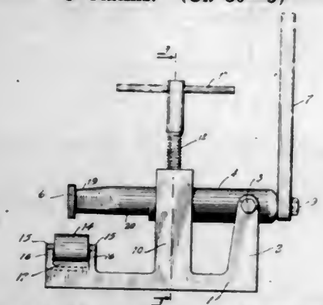
1. A stabilizer for a measuring beam, having coplanar surfaces bearing on spaced relatively movable pivot members, comprising guides at opposite sides of the beam extending normal to the beam in a position thereof intermediate the limits of its swing, and pins extending laterally from the beam into contact with the guides.

2,190,962
TUBE TESTER
Floyd E. Wenger, Bluffton, Ohio, assignor to Ray L. Triplett, Bluffton, Ohio
Application October 14, 1938, Serial No. 235,032
4 Claims. (Cl. 250—27)



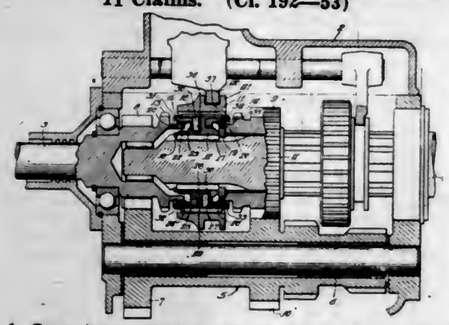
1. A tube tester for measuring the dynamic coefficients of a thermionic tube under test having grid and plate circuits, means including a source of alternating current, a rectifier therefor and a filter for supplying direct current potentials to the plate and grid respectively of the tube under test but leaving ripples of sufficient amplitude in the grid potential to serve as signals, a thermionic device having input and output circuits, said input circuit being connected to the plate circuit of the tube under test, and said output circuit being connected to a measuring device, the combined impedances of the tube under test and of said thermionic device including the connections therebetween substantially matching the impedance of said measuring device.

2,190,963
PISTON EXPANDER
William H. Wheeler, Denver, Colo., assignor to Francis J. Casey, Denver, Colo.
Application March 29, 1937, Serial No. 133,624
8 Claims. (Cl. 80—5)



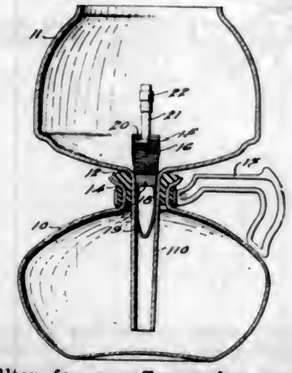
1. An expander for hollow pistons comprising, in combination, a base carrying a freely rotatable smooth roller, a shaft carrying a knurled wheel and rotatable within a sleeve, which sleeve is pivoted to the base at a distance from said smooth roller greater than the depth of the piston, whereby to permit the wheel to be swung toward or away from the roller, means for rotating the shaft and means for exerting pressure on the sleeve whereby to grip a cylinder wall between the roller and wheel when the wheel is inserted into a piston.

2,190,964
TRANSMISSION SYNCHRONIZER
Samuel O. White, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 16, 1938, Serial No. 208,107
11 Claims. (Cl. 192—53)



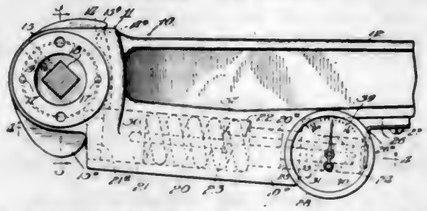
1. In a transmission synchronizer, a rotatably mounted and axially fixed torque transmitting member, a relatively light shiftable clutch element having an axially movable and non-rotatable connection with said torque transmitting member and coaxial therewith, a member to be synchronized with said shiftable clutch element, having a friction clutch face, a synchronizer element coaxially mounted and axially adjustable with relation to said torque transmitting member, having a friction face for coaction with the aforesaid friction face, means interconnecting said synchronizer element and said torque transmitting member, adapted to increase clutching engagement between said friction faces under torque applied to said synchronizer element through such engagement, and means for initiating such engagement, comprising projections on said elements respectively, adapted to interengage with a light brushing contact during shifting movement of said shiftable clutch element.

2,190,965
FILTER
Edward L. Wood, Detroit, Mich.
Application November 22, 1938, Serial No. 241,744
5 Claims. (Cl. 210—162)



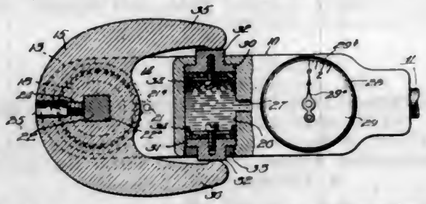
1. A filter for a coffee maker comprising a hollow coil of spring wire having at least a portion of conical shape with the convolutions thereof tensioned in substantial abutting relationship to movably engage the funnel-like spout of the coffee maker and form a support for the remainder of the coil, a closure for the large end of the coil, and anchoring means on the small end of the said conical portion.

2,190,966
TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application March 6, 1937, Serial No. 129,358
10 Claims. (Cl. 265—1)



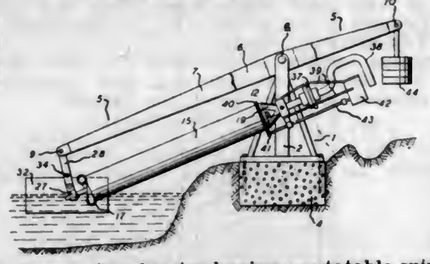
1. In structure of the class described, a body, a handle thereon, a rock member mounted on said body and having oppositely extending arm elements thereon, means coaxial with the rock axis of said rock member for operatively engaging said rock member with the work, said body having an integral and rigid stop portion thereon engaged by one of said arm elements to positively limit rock movement of said rock member in one direction, compressible spring means carried by said body and operatively connected with the other or said arm elements so that it yieldably holds said one arm element engaged with said stop portion and yieldingly opposes rock movement of said rock member away from said body stop portion, and means for registering the amount of force or torque applied through the wrench to the work including an indicator device operatively connected with said rock member and indicating the extent of rock movement of said rock member and deflection of said spring means, said registering means being inactive when said rock member tends to rock from a normal position toward said stop portion.

2,190,967
TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application March 6, 1937, Serial No. 129,359
8 Claims. (Cl. 265—1)



8. A torque measuring wrench comprising a body having a transverse recess in one end thereof, a handle projecting from the other end of said body, a member mounted within said recess, said member having arms projecting from opposite sides thereof, means pivotally supporting said member in said recess, means carried by said rock member coaxial with the rock axis thereof for detachably connecting said member with the work, piston members, one for each of said arms, reciprocally carried by said body, each said piston member having a stem portion engaged by its respective arm, hydraulic pressure-gage means carried by said body, and fluid means carried by said body between and operably associated with said piston members and gage means, whereby said fluid means is displaced by relative rock movement of said rock member to actuate said gage means and indicate pressure applied through the wrench to the work.

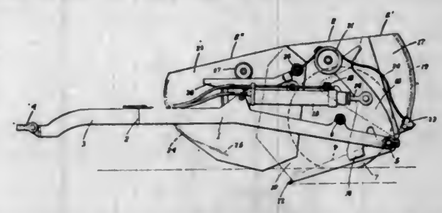
2,190,968
WATER HOIST
John Fred Acree, Denver, and Edward F. Rizer and Cassius M. Walker, Pueblo, Colo.
Application May 9, 1938, Serial No. 206,760
5 Claims. (Cl. 103—86)



1. In a water elevator having a rotatable spiral conveyor and a supporting frame, a beam pivotally mounted on the said frame and hingedly connected to the inlet end of the said conveyor, a counterweight supported by the said beam opposite to the discharge end of the said conveyor, and floats supporting the said inlet end.

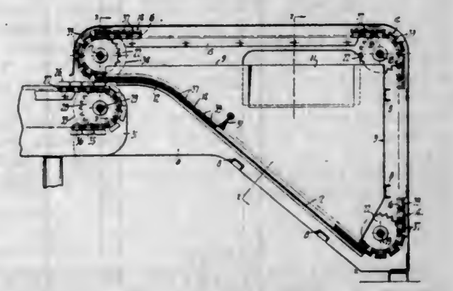
2,190,969
WAGON SCRAPER
William J. Adams, Santa Cruz, Calif., assignor, by mesne assignments, to Gar Wood Industries, Inc., a corporation of Michigan
Application September 11, 1937, Serial No. 163,418
4 Claims. (Cl. 37—133)

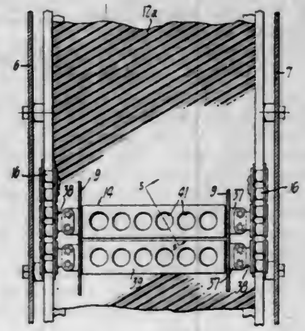
1. A scraper comprising a frame supported from the ground, a bowl having side plates and a bottom plate, a transverse member under and rigid with the bottom plate, means pivotally supporting said member whereby the bowl may swing between scraping and dumping positions about the member as an axis, side arms rigid with the side plates on the outside upstanding from and



rigid with said member, means to swing the bowl applied to said arms, another transverse member extending under and reinforcing the bottom plate ahead of said first named member and rigid branches extending forwardly from the arms intermediate their ends and rigidly secured to the ends of said other transverse member.

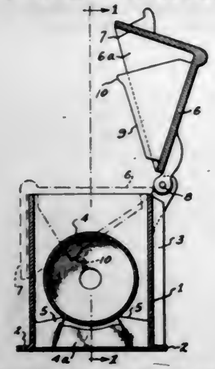
2,190,970
ARTICLE LOADING DEVICE
George W. Ashlock, Jr., Oakland, Calif.
Application October 19, 1938, Serial No. 235,761
3 Claims. (Cl. 198—33)





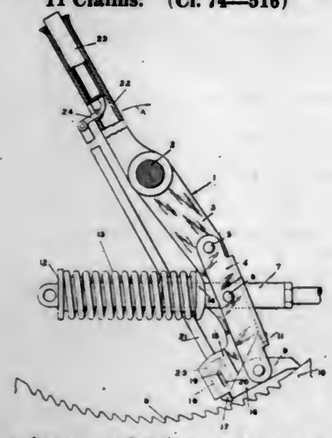
1. In a machine of the class described, fruit receiving means for holding a supply of fruit, a conveyor movable through said fruit supply and including a plurality of apertured strips, means for supporting fruit in said apertured strips and for turning the supported fruit into a desired position including a corrugated sheet portion supporting the fruit, said sheet being positioned with the longitudinal axis of the corrugations at an angle to the direction of advance of the conveyor.

2,190,971
BOTTLE BREAKER
Anthony Boedeker, Cincinnati, Ohio
Application January 20, 1938, Serial No. 185,937
2 Claims. (Cl. 83—93)



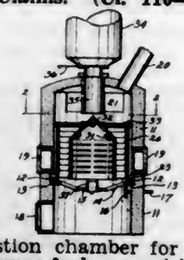
1. In a bottle breaking device the combination of an oblong casing which is open top and bottom and of a length adapted to receive a bottle lying on its side within the box, interspaced supports extending inwardly from the side walls and terminating short of the middle of the casing, said supports located to support a bottle on its side so that the same will be entirely within the casing, a lid for the said casing hinged to one of the longer walls thereof, and having flanges which when the lid is lowered will lie alongside of the three walls of the casing not occupied by the hinge, and interspaced bottle breaking jaws projecting from the inside of the lid located and arranged so as to strike a bottle supported within the casing when the lid is lowered thereover, said projecting jaws and said lid flanges being such that by the time the jaws start to strike a bottle within the casing, the lid flanges will have begun to pass the upper edges of the casing.

2,190,972
RATIO CHANGING LEVER MECHANISM
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 5, 1938, Serial No. 243,910
11 Claims. (Cl. 74—516)



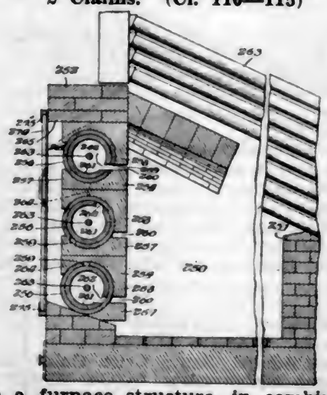
1. In a lever mechanism, a support, a main lever pivoted on the support and adapted to be actuated by a force applied directly thereto, an auxiliary lever connected to the main lever, an actuatable member connected to the auxiliary lever, a yieldable member for operatively connecting the main lever and member, and ratchet means for establishing a fixed fulcrum for the auxiliary lever about which the auxiliary lever is rotated by movement of the main lever when said yieldable member yields and permits relative movement between the levers.

2,190,973
FURNACE FOR THE COMBUSTION OF LIGNITE AND SEMIBITUMINOUS COAL
Oliver S. Bowman, Colorado Springs, Colo.
Application August 29, 1938, Serial No. 227,325
4 Claims. (Cl. 110—30)



1. A combustion chamber for the burning of solid carbonaceous fuel, comprising in combination two concentric vertically positioned perforated grates, spaced apart to form an annular cylindrical fuel space, a cover attached to the top of the inner grate, and tubular air ducts attached at their inner ends to the cover and having their outer ends resting on and extending across the outer grate for supporting the inner grate and into the space outside of the outer grate for the purpose of conveying heated air to the outside surface of the outer grate.

2,190,974
STOKER
Francis H. Brown, Ridley Park, Pa., assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa., a corporation of Pennsylvania, trustee
Original application December 21, 1922, Serial No. 608,228. Divided and this application October 22, 1934, Serial No. 749,436
2 Claims. (Cl. 110—115)



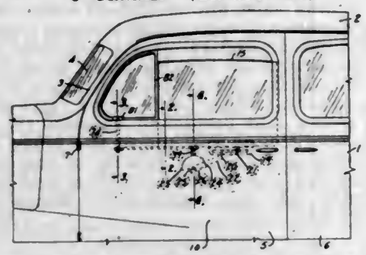
1. In a furnace structure, in combination, a fire box and means for injecting comminuted fuel into said fire box by a stream of fluid under pressure comprising means to create the stream of fluid and mix the fuel therein; and units for conveying and controlling the discharge of said fuel laden fluid stream each comprising two substantially cylindrical tubes concentrically mounted one within the other and means for continuously rotating one of said tubes with respect to the other, said tubes each having openings which register periodically during rotation.

2,190,975
FOUNTAIN APPLICATOR
Oliver J. Brown, Cincinnati, Ohio
Application November 29, 1938, Serial No. 242,971
3 Claims. (Cl. 15—133)



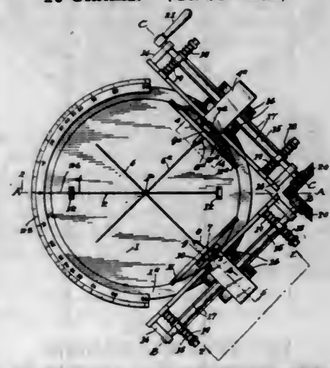
1. A nail polish applicator comprising a barrel for containing liquid polish, a brush head fitted to one end of the barrel and having a reduced, elongated portion at the outer extremity thereof, a shoulder located transversely of and adjacent the reduced portion, an elongated discharge opening formed in said reduced portion, and a passage formed in the head and communicating with the contents of the barrel and the discharge opening, a bristle tuft disposed adjacent the discharge opening and extending beyond the head, a slotted bristle-retaining band for the bristle tuft, a flexible pin embedded in the shoulder, and adapted to engage said slotted band to hold the bristle tuft in position, bulb pump means on the barrel, and a holder element for the barrel.

2,190,976
PANEL REGULATING APPARATUS
George M. Campbell, Kansas City, Mo.
Application August 9, 1937, Serial No. 158,135
6 Claims. (Cl. 296—44)



1. In combination with an automotive vehicle and the door and window structure thereof, an apparatus of the character described including a support on the structure, a drive member on the support, a driven shaft connected with the drive member, actuating means mounted on the support connected with the drive member, and extending within the interior of the vehicle for actuating the drive member and driven shaft, a gear segment connected with the drive member, an arm on the segment, a panel connected with the arm and adapted only for vertical movement in the door structure, a panel connected with the driven shaft and adapted only for lateral swinging movement relative to the window structure, interengageable clutch means on the drive member and on said actuating means adapted for selectively effecting individual and simultaneous movement of said panels, and resilient means mounted on the drive member and engageable with the actuating means normally effecting individual movement of the swinging panel in response to actuation of said actuating means.

2,190,977
DRIFT INDICATOR
Ernest de Perrot, Los Angeles, Calif.
Application March 26, 1935, Serial No. 13,067
10 Claims. (Cl. 73—151)

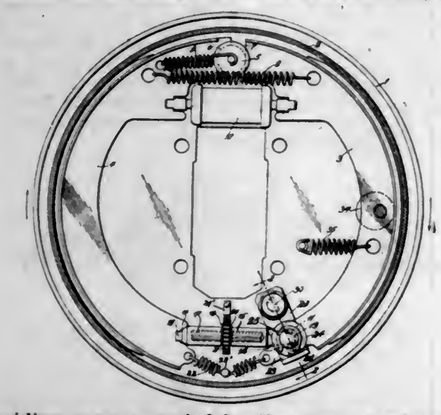


1. In combination, a support comprising a base having a sight line and a supporting element rotatably adjustable relative to the base concentric with a point in the sight line, a plurality of pendulous means each shiftable in a single vertical plane, cooperating means having a crossing point and mounted on the rotatable supporting element and movable by the pendulous means so that responsive to shifting of the pendulous means said crossing point is moved relative to the supporting element from a position coinciding with the said point in the sight line when the pendulous means are at rest to a position the radial direction of which from said first mentioned position is determined by shifting of the pendulous means, means for locking said cooperating means so as to lock their crossing point in moved position relative to the supporting element, and means for indicating the angular relation between the sight line and the said radial direction to the locked crossing point by rotatably adjusting the supporting element and the locked cooperating means until their locked crossing point coincides with the sight glass.

2,190,978
BRAKING MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application April 8, 1938, Serial No. 200,845
15 Claims. (Cl. 188—78)

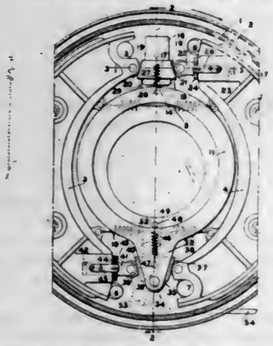
1. In braking mechanism of the class described, a support, a brake drum, two shoes within the drum and so connected together that

when engaged with the drum one of the shoes applies pressure to the other shoe, anchor means for the shoes permitting the free end of one shoe to anchor on the support when the drum is rotating in one direction and the free end of the other shoe to anchor on the support when the drum is rotating in the other direction, actuating means for applying the shoes to the drum, and



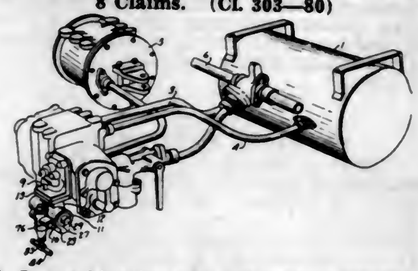
guiding means carried by the support adjacent the connected end of the shoe which applies force to the other shoe when the drum is rotating in one direction, said guiding means maintaining the end of the shoe at a constant distance from the axis of the drum but permitting said shoe to move circumferentially with the drum and relative to the support.

2,190,979
BRAKING MECHANISM
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application May 16, 1938, Serial No. 208,121
10 Claims. (Cl. 188—152)



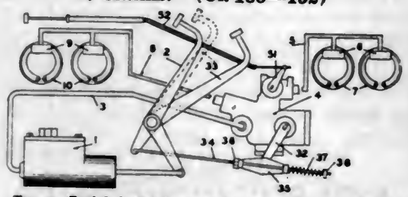
1. In braking mechanism, a support, a rotatable drum, two shoes positioned in end-to-end relation in the drum, means for anchoring the shoes, a wedge for actuating one pair of adjacent ends of the shoes, a second wedge for actuating the other pair of adjacent ends of the shoes, a member connected to one wedge and extending to a point diametrically opposite said wedge and adjacent the other wedge, and a fluid motor having one of its movable elements connected to the member and its other movable element connected to the other wedge and adapted to move the wedges in opposite directions.

2,190,980
RELEASE VALVE
Ernest L. Dyer, Kansas City, Kans.
Application March 24, 1938, Serial No. 197,840
8 Claims. (Cl. 303—80)



1. In combination with the braking system of a railway car including auxiliary and emergency reservoirs, a triple valve connected with the reservoirs and having exhaust ports for bleeding the reservoirs, a release valve connected with the exhaust ports of the triple valve, actuating means for manually moving the release valve to bleed the reservoirs by way of the triple valve, pressure responsive means connected with the release valve for automatically retaining the release valve in open position until pressure in one of said reservoirs has dropped to a predetermined pressure, a separate valve initially opened responsive to actuation of the release valve to bleed the other reservoir, and means independently seating said last named valve when the pressure in said other reservoir has dropped to a predetermined pressure.

2,190,981
FLUID BRAKING SYSTEM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 24, 1938, Serial No. 231,513
7 Claims. (Cl. 188—152)

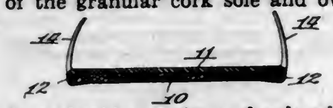


1. In a fluid braking system, the combination with a source of pressure and braking units connected to be actuated thereby, of a combined brake holding valve and a shut-off valve for the braking system and comprising a casing connected in the system and through which fluid must pass to and from the braking units, valve means within said casing for preventing return flow of fluid from both braking units, other valve means in the casing and positioned between the first named valve means and one of the brake units for preventing fluid from flowing to said brake unit but not in the opposite direction, and means for causing said last named valve means to be positively held open.

2,190,982
BATH SANDAL
William Hall Gilbert, Los Angeles, and Frank F. Hosmer, Glendale, Calif.
Application February 26, 1938, Serial No. 192,810
1 Claim. (Cl. 36—11.5)

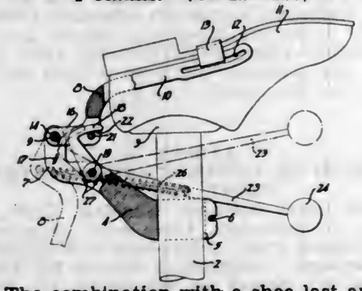
As a new article of manufacture, a bath sandal

comprising an under sole formed of granular cork, a top sole of rubber overlying and secured to the entire upper surface of the granular cork bottom sole, the edges of which top sole overlie the edges of the granular cork sole and overlie the



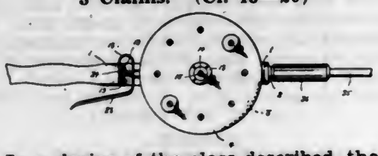
under face of said granular cork sole adjacent its edges and the rear portions of which top and bottom soles are extended upwardly so as to overlie the side and rear portions of the heel of the wearer.

2,190,983
SHOE VISE
Dimitri L. Gorbatenko and Albert Allgoewer, San Francisco, Calif., assignors of two-thirds to Max Ditlow, San Francisco, Calif., and one-third to said Gorbatenko
Application April 4, 1938, Serial No. 199,857
4 Claims. (Cl. 12—123)



1. The combination with a shoe last and supporting stand, of a shoe vise comprising an arm pivotally mounted for movement between operative positions extending from opposite sides of the stand, and a strap on the arm for engaging a shoe on the last in either position of said arm.

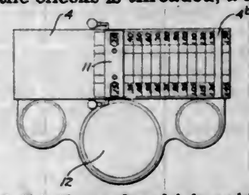
2,190,984
FISHING ROD AND REEL ATTACHMENT
Oscar J. Gulbrandsen, Duluth, Minn.
Application July 14, 1939, Serial No. 284,533
3 Claims. (Cl. 43—20)



1. In a device of the class described, the combination with a fishing rod handle, a reel frame and reel rotatably secured in said frame, of a brake for said reel comprising a strip of spring material attached at one end to an end of said handle and bent upon itself between said handle end and the reel and adapted to bear against said reel and bent to extend along said handle whereby hand pressure may be applied thereto to release the brake from said reel, and means for holding said brake released.

2,190,985
CHECK ROLL HOLDER
Evangel A. Haveles, Los Angeles, Calif.
Application January 18, 1939, Serial No. 251,564
7 Claims. (Cl. 164—111)

1. In a check roll holder of the class described, a hollow casing member adapted to receive a roll of checks, a lid pivotally supported thereon near one side leaving an opening through which the end of the checks is threaded, a keeper mem-



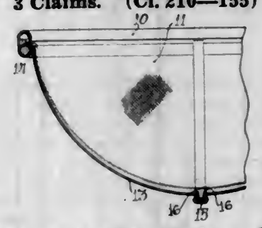
ber on said lid through which said checks are threaded, and a punch plate positioned slightly above said lid in spaced relation from said keeper member.

2,190,986
TEMPERING SHEET METAL
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application November 29, 1937, Serial No. 177,024
12 Claims. (Cl. 29—33)



1. A process of treating a strip of metal, which includes the steps of progressively flexing said strip transversely of its length in one direction in an increasing degree, and then progressively flexing said strip transversely of its length in the opposite direction in an increasing degree, and pulling on said strip beyond the point at which said flexing operations are carried out.

2,190,987
STRAINER BOWL BRACE
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 121,840
3 Claims. (Cl. 210—155)

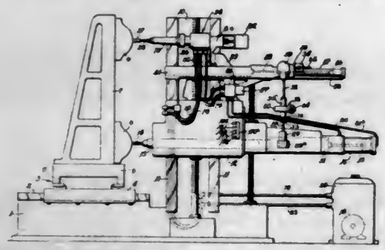


3. A brace for strainer bowls or like devices, including a number of crossed strips, each of the strips being shaped or formed to provide means at the point of crossing of said strips for interlocking said strips with each other to prevent relative movement in all directions.

2,190,988
DUPLICATING MACHINE
Einar K. Johansen, Chicago, Ill., assignor, by mesne assignments, to The Cincinnati Milling Machine Company, a corporation of Ohio
Application January 27, 1937, Serial No. 122,608
11 Claims. (Cl. 90—13.5)

1. In a metal working machine, in combination, a tool and a tracer mounted in fixed spaced

relation as to distance apart, a support on which a work piece and a pattern are mounted in substantially the same spaced relation as said tool and said tracer, means for causing a relative traverse of the work piece by the tool and of the pattern by the tracer in a straight path across the respective surfaces thereof, said tool and said tracer being mounted on individual supports for independent movement toward and from the work and pattern at an angle to the traversing path, power actuated means controlled by said



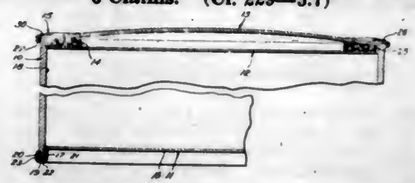
tracer for moving the tool and its support toward or from the work, a gear mechanism connecting the tool support and the tracer support for positively communicating the movements of the tool support to the tracer support to move the tracer toward and from the pattern, and means for taking up the backlash in the gears of said mechanism to prevent lost motion between said supports comprising means operating directly upon and continuously yieldably urging said tracer slide in one direction.

2,190,989
METHOD OF PREPARING AN OIL WELL FOR PRODUCTION
Mordica O. Johnston, Los Angeles, Calif.
Application December 13, 1937, Serial No. 179,575
3 Claims. (Cl. 166—21)



1. A method of preparing oil wells for production which consists in recovering solids which have been suspended in the fluids passing from the producing area of an oil well, thereafter placing a casing screen in the well at the depth of the producing area and then interposing a foraminous filter structure between said casing screen and the well formation in the producing area, a binder, an aggregate consisting of the suspended solids which have been recovered from the producing area of the well, and means for creating intercommunicating foramina throughout said filter structure.

2,190,990
CONTAINER CONSTRUCTION
Maximilian P. Link, Los Angeles, Calif.
Application February 5, 1938, Serial No. 188,901
6 Claims. (Cl. 229—5.7)

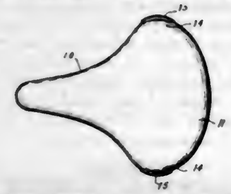


1. A container comprising a container body, and a closure for the body comprising a head, an axial flange on the head fitting in the body, a lateral rim on the flange engaging over an end of the body, a disc spaced axially outward from the head, a metal ring including an axial part engaged between said axial flange and the surface of the disc, an inwardly projecting radial flange on the upper end of said part holding the disc against axial outward movement, and an outwardly projecting lateral rim extending from the inwardly projecting flange and seamed onto the first mentioned rim, and an inturned axial flange on the disc engaging the head to hold the disc spaced from the head.

2,190,991
METHOD OF CONCENTRATING CITRUS FRUIT JUICES
Gotthold Harry Meinzer, Glendale, Calif., assignor to California Consumers Corporation, Los Angeles, Calif., a corporation of California
No Drawing. Application August 15, 1938, Serial No. 225,047
3 Claims. (Cl. 99—155)

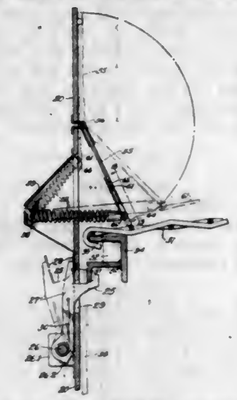
1. The method of concentrating citrus fruit juices which comprises, centrifuging a previously strained citrus fruit juice to separate a chromatophore fraction from an aqueous fraction, said chromatophore fraction containing substantially all of the chromatophores adherent to other insoluble solid material, filtering out the last traces of chromatophores from said liquid fraction, thereafter evaporating water from said liquid fraction at a temperature sufficiently high to produce sterilization thereof, and blending the residue from said evaporating step with said chromatophore fraction in desired proportions at a temperature not substantially above atmospheric, whereby to avoid the slightest heating of the chromatophore fraction.

2,190,992
PROTECTOR FOR SADDLES
Frederick Mesinger, Mount Vernon, N. Y.
Application November 27, 1936, Serial No. 113,055
2 Claims. (Cl. 155—5.23)



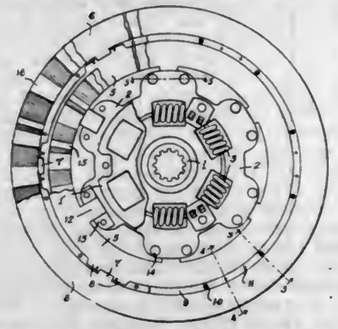
1. In a bicycle saddle the combination comprising a seat having laterally projecting portions which touch the ground when the bicycle falls on its side, said seat including a metal base, a flexible sheet outer covering and means for securing the edges of said covering to the edges of said base, and metal plates covering the laterally projecting portions, each having an integral ear struck inward from its lower edge, said ear being clamped between said securing means and the edge of said covering so as to secure said plates firmly over said projecting portions.

2,190,993
GRADING SCREEN
Herbert H. Muir, Chicago, Ill.
Application May 13, 1937, Serial No. 142,412
9 Claims. (Cl. 209—319)



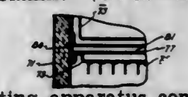
1. A multiple deck screen comprising a casing, a pair of horizontally disposed screens arranged one above another in said casing, supports for the upper screen mounted on said casing and being shiftable laterally outward to clear a path for raising the lower screen, said supports being normally urged into operative position, an apron extending along and overlapping one edge of said lower screen, being hinged to said casing at its upper edge and swingable upwardly against the side wall of said casing, and means coacting with said apron to clamp said lower screen.

2,190,994
CLUTCH PLATE
John V. O. Palm, Cleveland Heights, and Henry W. Luetkemeyer, Euclid, Ohio, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1938, Serial No. 196,247
15 Claims. (Cl. 192—107)



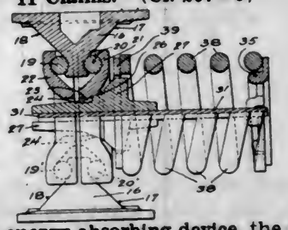
3. In a clutch plate, a friction facing portion divided into concentric annular sections spaced radially from each other to a substantial extent, and radially extending tongues and slots on said sections interlocking one to the other.

2,190,995
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application November 12, 1937, Serial No. 174,211
2 Claims. (Cl. 62—116)



1. Refrigerating apparatus comprising a cabinet, a primary refrigerating system readily removable from and insertable into said cabinet and including a refrigerant evaporator, a secondary system positioned in said cabinet in close proximity to the evaporator of said primary system and a substance positioned between said evaporator and secondary system to be influenced by the condition of the primary system so that it becomes a frozen mass under certain operating characteristics of the primary system to provide a solid as the sole heat conducting element between the primary and secondary systems and a liquid when the primary system remains inoperative for a certain length of time under which latter conditions the primary system may be readily removed from the cabinet.

2,190,996
ENERGY ABSORBING DEVICE
Raymond C. Pierce, Chicago, Ill.
Application January 26, 1937, Serial No. 122,338
Renewed July 15, 1939
11 Claims. (Cl. 267—9)

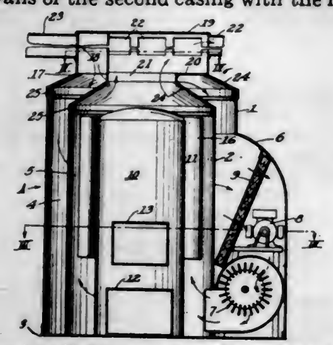


1. In an energy absorbing device, the combination of roller means having a minimum energy absorption for transforming forces into a direction substantially at right angles to the direction of applied force, and friction means including a plurality of friction surfaces movable relatively to each other under the pressure of a spring and a wedging action.

2,190,997
AIR HEATING APPARATUS
William S. Somers, Columbus, Ohio
Application June 22, 1937, Serial No. 149,609
7 Claims. (Cl. 126—114)

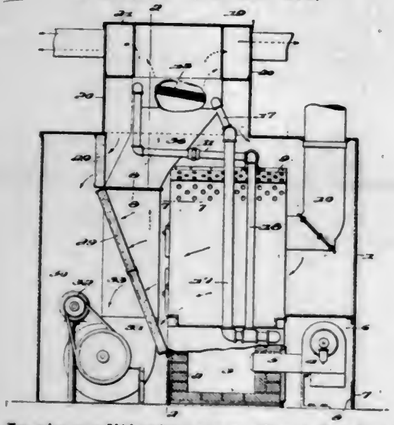
1. In an air heater, a casing divided internally into inner and outer chambers communicating at their lower ends, a second casing supported on the upper end of said first casing, a vertical partition wall joining the side walls of said second casing and dividing said second casing into inlet and outlet compartments, one of said compartments communicating with the inner chamber and the other compartment communicating with the outer chamber of said first casing, air inlet

and outlet openings communicating through the side walls of the second casing with the respective



inlet and outlet compartments, said second casing being adjustable on said first casing whereby to position said openings.

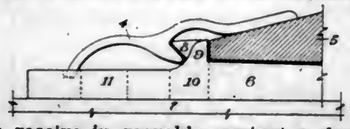
2,190,998
AIR CONDITIONING APPARATUS
William S. Somers, Columbus, Ohio
Application June 22, 1938, Serial No. 215,254
4 Claims. (Cl. 126—101)



1. In air conditioning apparatus, a heating unit comprising a casing divided internally into inner and outer chambers, steam generating means positioned in said outer chamber, a heat exchanger disposed in said inner chamber, said exchanger being in communication with said generator, a manifold provided at the top of said casing, partition means separating said manifold into warm and cool air sections, the former communicating with said inner chamber and the latter with said outer chamber, and a motor driven blower positioned at the inlet to said inner chamber, the inlet to said blower being in open communication with said outer chamber.

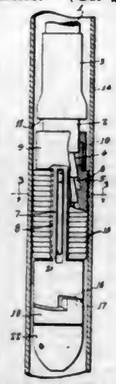
2,190,999
COMBINATION SHOULDER FOR RAILROAD TIE PLATES
Frank C. Stowell, Medford, Mass.
Application March 16, 1938, Serial No. 196,224
4 Claims. (Cl. 238—304)

1. In combination, a rail, a rail supporting tie plate having integral, parallel raised shoulders with continuous vertical faces to abut the opposite sides of a rail base, approximately two thirds of each shoulder, one third from either end, being of such comparable height with the sides of a rail base as to allow punching therethrough to receive a track spike to contact the side and top of a rail base, a central portion of said shoulder extending outward to overhang and form a subreentrant shoulder face of suitable oblique angle with the back face of the tie plate shoul-



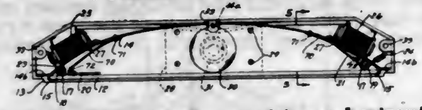
der to receive in movable contact a depending cross rib of a resilient rail clip, one end of said resilient rail clip being in resilient contact with the rail base and the opposite end being disposed within a vertical recess in the top surface of the tie plate, said recess holding the resilient clip in movable contact with said oblique reentrant outer face of the tie plate shoulder.

2,191,000
DEEP WELL TOOL
Idris Thomas, Whittier, Calif.
Application May 3, 1937, Serial No. 140,461
6 Claims. (Cl. 294—94)



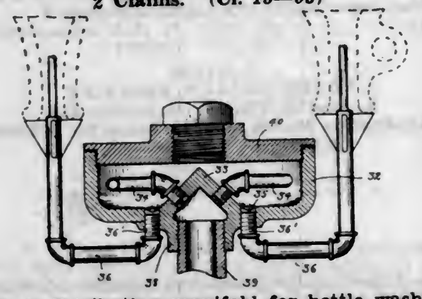
1. In a fishing tool, the combination of a slip-carrier, a plurality of slips carried thereby, said slips having wedge-form portions of reduced thickness toward their lower ends, with longitudinally inclined seat-faces on one face, and means on their opposite faces for gripping the "fish," an elongated actuating member to be attached to a tool-string, having a plurality of longitudinally inclined annular seat faces for engaging the seat faces of the slips, and operating by an upward pull to set the slips against the "fish," said annular seat faces having circumferentially spaced cam faces with dips between peaks of the cam faces, the faces of said dips and peaks merging into each other, and operating when the actuating member is rotated in one direction after setting the slips, to grip the slips on the "fish," said slip carrier having a cam face adjacent its lower end, and a collar carried by the lower end of the actuating member having a cam face to cooperate with the last-named cam face, said last-named cam faces being disposed substantially helically around the axis of the tool and inclined in a direction enabling the same to cooperate when the actuating member is rotated in the same direction as before with substantially no up strain, to raise the slip-carrier relative to the actuating member and thereby release the slips from the "fish."

2,191,001
VEHICLE DIRECTION SIGNAL
Frank Vasarhely, Cleveland, Ohio
Application April 19, 1939, Serial No. 268,713
2 Claims. (Cl. 177—327)



1. A direction signal comprising a horizontally elongated housing having a face plate with a transparent direction arrow-shaped mark thereon, a concave reflector extending from end to end within the housing, a shutter pivotally mounted between each end of the reflector and the face plate and adapted to swing from and toward the latter to change the appearance of the corresponding end of the mark, an electromagnet disposed in each end of the housing behind the reflector and operatively controlling the shutter, and switch means to operate the magnets respectively, the axis of the shutter pivot extending vertically parallel to the plane of the reflector and the pivot being provided with a contact arm extending behind the reflector to a position in line with and opposite to the axis of the magnet.

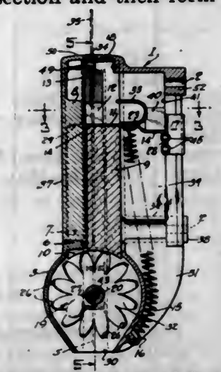
2,191,002
BOTTLE WASHING MACHINE
George Volkert, Superior, Wis.
Application November 24, 1937, Serial No. 176,211
2 Claims. (Cl. 15—95)



1. A distributing manifold for bottle washing devices characterized by having a circular chamber therein, an axially disposed water and detergent supply connection to the bottom of said chamber, opposed discharge nozzles within said chamber extending from said connection to adjacent the periphery of said chamber where said nozzles discharge at substantially right angles to the axis of the body portion thereof to impart a circular motion to the water and detergent discharged therefrom, and a plurality of radially disposed pipes leading from the bottom of said chamber adjacent said connection each to an object to be cleansed, whereby uniformly mixed water and detergent from said chamber may be discharged through said radially disposed pipes.

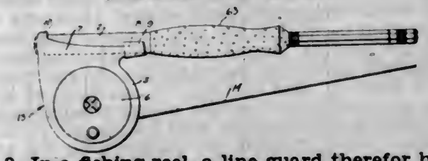
2,191,003
SOAP DISPENSER
Gordon Voorhis, Rhinebeck, N. Y., assignor to Voorhis-Tiebout Company, Inc., Rhinebeck, N. Y., a corporation of New York
Application September 14, 1936, Serial No. 100,608
Renewed June 27, 1939
20 Claims. (Cl. 146—61)

1. A soap shredding device comprising in combination a three-part casing having a back section adapted to be fastened to the surface of a wall or similarly vertically extending member, a lower front section adapted to be fastened to the lower portion of said back section and so form therewith a chamber in which a revoluble cutter may be journaled, an upper, removable front section adapted to interlock at its lower end with said lower section and then form with said rear



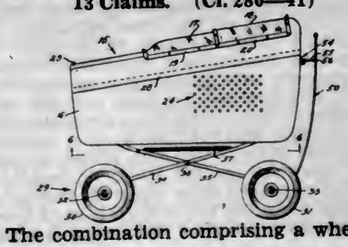
section a chamber or channel for containing and vertically guiding a cake of soap, and a spring lock for automatically grasping and holding the upper end of said upper section in such interlocked position when the parts are assembled and which is located wholly within the closed casing so formed; together with a revoluble cutter journaled between said back section and said lower front section.

2,191,004
FISHING REEL
Loren W. Whitcomb, Glendale, Calif., assignor to Leonard Jean Gauthier, Los Angeles, Calif.
Application August 5, 1938, Serial No. 223,271
9 Claims. (Cl. 43—22)



2. In a fishing reel, a line guard therefor having a surface extending from a point where the end of the rod handle lies when the reel is in position on the rod to a point on the reel casing away from the rod handle, the distance from points on the line guard to the nearest point on the rod handle gradually increasing as the distance from the end of the rod increases, and fastening means for said line guard.

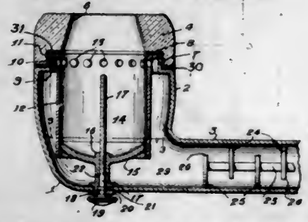
2,191,005
COMBINATION BASSINET AND CARRIAGE
Charles A. Wylie, San Bernardino, Calif.
Application March 15, 1939, Serial No. 261,944
13 Claims. (Cl. 280—41)



1. The combination comprising a wheeled car-

riage, a bassinet body adapted to be supported on the carriage, and an attachment between said body and carriage operable to releasably hold the body thereto, said attachment comprising a holding means forming a laterally opening recess, and a member movable along a downwardly facing surface of the body into retained engagement within said recess by resting the body on the carriage.

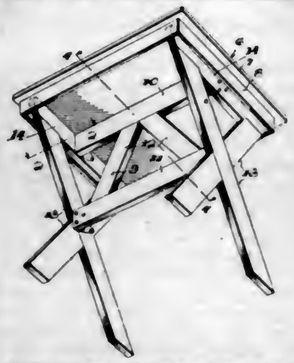
2,191,006
STOKER PIPE
Harold T. Blum, Glenmont, Ohio, assignor to Briar Hill Corporation, Millersburg, Ohio, a corporation of Ohio
Application January 10, 1939, Serial No. 250,220
3 Claims. (Cl. 131—181)



1. A smoking pipe comprising an outer bowl of heat-conducting material, a stem having the bore thereof connected to the bore of said bowl, an inner bowl spaced from said outer bowl, means maintaining said inner bowl in spaced relationship to said outer bowl and closing the space between the upper ends of said bowls, said inner bowl including a plate slidably mounted longitudinally thereof, perforations formed through the wall of said inner bowl and positioned substantially at the upper end of said outer bowl, means formed of heat-insulating material having an opening formed therethrough positioned above the top ends of said inner and outer bowls, said insulating means being of such thickness in a direction parallel to the axis of said inner bowl that the opening formed through said insulating means will constitute substantially the entire tobacco burning area during the smoking of the pipe and manually operable means connected to said plate and adapted to shift tobacco supported on said plate upwardly for maintaining the tobacco combustion area within the opening formed through said insulating means.

2,191,007
COLLAPSIBLE TABLE
William V. Bussey, Greenville, S. C.
Application May 20, 1939, Serial No. 274,815
1 Claim. (Cl. 311—79)

A table top unit comprising a top having a rectangular depending flange forming a socket, the flange having sides, a supporting structure including a rigid truss structure having upper and lower horizontal bars and diagonal bars connecting the upper and lower horizontal bars, legs arranged at the ends of the truss structure, each leg comprising inclined bars which cross each other at points substantially equidistantly spaced from the opposite ends thereof and an upper horizontal bar, hinges arranged upon one side of the upper horizontal bar of the truss structure at the ends thereof and secured thereto and to the upper horizontal bars of the legs, hinges arranged upon the same side of the lower horizontal bar of the truss structure near the ends thereof and secured thereto and to the crossed bars of the legs adjacent to their crossing, the lower horizontal bar of the rigid truss being vertically spaced from the lower ends of the crossed inclined bars of the legs to afford foot space, the arrangement being such that when the legs are shifted to the transverse open position at substantially a right angle to the truss structure they will then contact with the ends of the horizontal bars of the truss structure to limit their movement in that direction,



the truss structure and legs when the legs are in the open transverse position being adapted for insertion within the socket produced by the flange, the upper horizontal bar of the truss structure and the upper horizontal bars of the legs being in the same horizontal plane and engaging the top to support and stiffen it and the ends of the upper horizontal bars of the legs substantially contacting with the sides of the flanges.

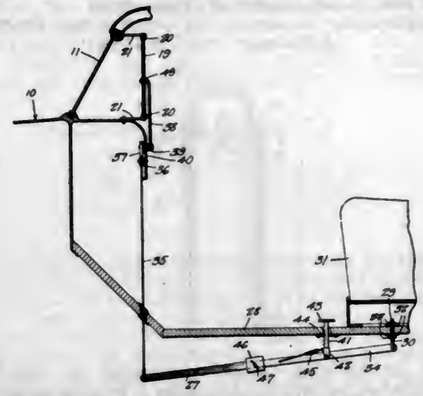
2,191,008
SHADE-ROLLER BRACKET
Samuel A. Cheves, Hapeville, Ga.
Application March 16, 1939, Serial No. 262,308
2 Claims. (Cl. 248—269)



2. A shade roller bracket comprising a guiding member adapted to be fastened to a part of a window frame, a bar slidably arranged in said guiding member, means for holding the bar in adjusted position in the guiding member, an arm, a hinge connecting the arm with the outer end of the bar, the hinge being connected with the arm at a point slightly spaced from the adjacent end of the arm for permitting said end of the arm to engage an end of the bar to prevent outward movement of the arm beyond a right angular position to the bar but permitting the arm to be folded upon the bar, said arm having a pintle receiving opening therein.

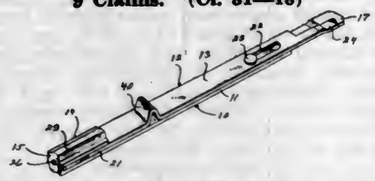
2,191,009
PEDAL ACTUATED WINDSHIELD SHADE
John W. Clarke, Russellville, Ky.
Application November 16, 1938, Serial No. 240,847
5 Claims. (Cl. 296—97)

1. In combination with an automotive vehicle including a windshield, a spring operated roller structure supported by the windshield, a shade extensively mounted on said roller and adapted to be moved across the windshield, a vertically mounted bar slidably disposed in a trackway carried by the frame of the windshield, means for attaching one end of the shade to said bar, means for actuating said bar to move the shade across the windshield, said means including a lever having one end pivotally mounted beneath the vehicle, a flexible cable attached to



the free end of said lever, means attached to the other end of said cable and pivotally supported beneath said shade for actuating said bar when depressing said lever, and means within said vehicle for depressing said lever.

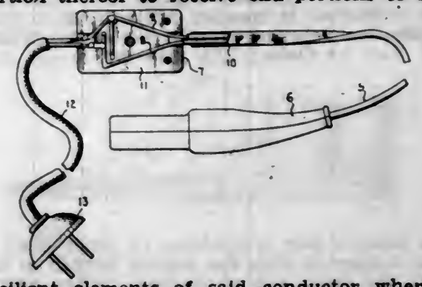
2,191,010
HOLDER FOR SCREWS
Ernest L. Dahlquist, Auburn, Iowa
Application July 13, 1938, Serial No. 219,060
9 Claims. (Cl. 81—18)



1. A tool of the class described, comprising a main body member of strip metal formed at one end into a socket and having a flat stationary jaw at its opposite end, a sliding member of strip metal having a longitudinally slotted end fitting in the socket and having a flat jaw at its opposite end co-acting with said stationary jaw, means guiding the sliding member for longitudinal movement on one face of the main body member, and a coil spring in said socket and received in the slotted end of the sliding member for normally urging the jaw thereof toward the stationary jaw.

2,191,011
IRON CORD CONNECTION
Isidore Dorman, Brooklyn, N. Y.
Application August 16, 1937, Serial No. 159,385
1 Claim. (Cl. 191—12)

In combination with a portable electrical device, an arcuately formed electrical conductor comprising a plurality of electrically conductive elements, at least one of said elements having substantial intrinsic resiliency, a connector plug on one end of said conductor for operatively associating said conductor and said device, and a supporting member attached to the other end of said conductor, whereby the conductor is continuously self-supported in bowed condition during use, said supporting member comprising a block having curved passages extending through a portion thereof to receive end portions of said

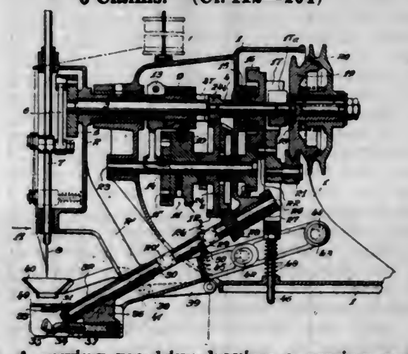


resilient elements of said conductor whereby axial rotation of said elements is precluded.

2,191,012
ELECTROTHERMAL PYROLYSIS OF CARBON-BEARING LIQUIDS
Victor F. Hanson, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 6, 1937, Serial No. 167,632
2 Claims. (Cl. 204—31)

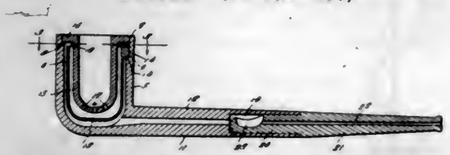
1. A process for the pyrolysis of carbon-bearing liquids comprising periodically forming electric arcs between a pair of electrodes within a body of carbon-bearing liquid while synchronizing the movement of one of said pair of electrodes with the alternating arc current so as to bring said pair of electrodes out of arcing relationship at a time when the current potential is at or close to zero during alternate half cycles of said current and provide a rest period of substantial duration of said pair of electrodes during alternate half cycles of said current.

2,191,013
SEWING MACHINE
Karl Heil, Frankfort-on-the-Main, Germany, assignor to the firm Maschinenwerke zu Frankfurt a. M. vorm. Kolb, Rieber & Co. G. m. b. H., Frankfort-on-the-Main, Germany
Application November 3, 1937, Serial No. 172,505
In Germany November 24, 1936
6 Claims. (Cl. 112—104)



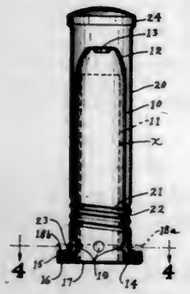
1. A sewing machine having a sewing arm, a sewing head, a reciprocable needle bar in said head, means for supporting said head for motion lengthwise of said arm and for oscillation about an axis lengthwise of said arm, and means actuable during a sewing operation to impart said motions to said head to cause stitching to take place at points spaced in two relatively transverse directions.

2,191,014
TOBACCO PIPE
William D. Hensley, Majestic, Ky.
Application February 1, 1938, Serial No. 188,149
1 Claim. (Cl. 131—197)



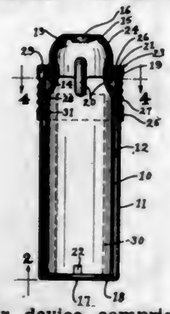
A tobacco pipe comprising an outer bowl, a stem connected with the bottom portion of the bowl, the upper end of the bowl having an internal annular groove therein, the bottom of which forms a shoulder and said bowl having vertically arranged notches in the upper portion of its internal wall, the upper ends of which open out through said shoulder, an inner bowl having perforations in its bottom and an outwardly extending flange at its top, the outer edge of said flange fitting in the groove and resting upon the shoulder, a cup-shaped partition located between the two bowls and having spaced outwardly extending lugs at its upper end which fit in the notches and having their upper ends spaced from the lower face of the flange of the inner bowl to space the upper end of the partition from the under face of said flange to permit smoke to pass from the interior of the partition over the upper end thereof and then downwardly between the partition and the outer bowl.

2,191,015
NASAL INHALER
Allan C. Hoffman, Milldale, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application August 6, 1937, Serial No. 157,710
1 Claim. (Cl. 128—198)



In an inhalant device, a drawn metal container shell having one end formed with a tapering nozzle portion and the opposite end open for receiving an inhalant material therein, the apex of said nozzle end having a discharge aperture, a flange extending outwardly from the open end of said shell and having an upstanding peripheral wall defining an annular channel, a sealing gasket disposed within said channel, a closure cap covering the open end of shell and formed about the free end of said wall and adapted to embrace a portion of said gasket to retain the latter in place, said shell having ingress means adjacent said washer, and a cover means having detachable interlocking engagement with the intermediate portion of said shell and engaging said gasket for hermetically sealing said device.

2,191,016
NASAL INHALER
Allan C. Hoffman, Milldale, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application August 6, 1937, Serial No. 157,711
6 Claims. (Cl. 128—200)



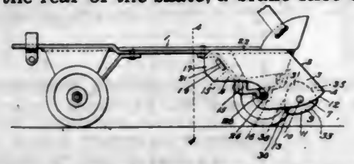
1. An inhaler device comprising an interior tubular container for receiving a volatile medicament open at one end and the opposite end formed with a reduced apertured nozzle section defining a transverse connecting shoulder therebetween, an outer casing having a closed lower end for closing the open end of said container and of a diameter larger than the container for providing an annular chamber therebetween, means for retaining said container casing in concentric relationship comprising an annular rib formed inwardly of the closed end of said casing and a reduced collar at the upper end of said casing embracing said container, the upper end of said casing above said collar formed inwardly with a flange to embrace said container shoulder in permanent assembly and means providing an air intake passage circumscribed about said shoulder flange and collar and into said chamber, and further means providing communication from said chamber to the interior of said container at the lower end thereof.

2,191,017
PROCESS FOR THE PRODUCTION OF SILVERLESS PICTURE AND SOUND RECORDS BY THE CHROMATE METHOD
Max Botho Hollaender, Berlin-Friedenau, Germany, assignor to Sifico A. G., Schaffhausen, Switzerland
No Drawing. Application November 22, 1937, Serial No. 175,982. In Germany December 1, 1936
1 Claim. (Cl. 95—5)

Process for the production of silverless pictures and sound copies according to the chromate method, consisting in producing an intermediate positive copy from a silver negative containing a picture and a sound record on a silver salt sensitized positive film, the silver positive firm receiving such a density that the light parts of the picture as well as the sound record lie completely in the straight line of the gradation curve of the positive material and producing a final copy from the said intermediate positive copy on a silverless chromate film, the picture and sound record in said final chromate copy lying in the toe of the gradation curve.

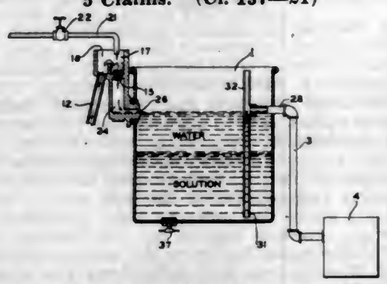
2,191,018
ROLLER SKATE BRAKE
Anthony Ickenroth, Brentwood, Mo.
Application October 1, 1937, Serial No. 166,741
2 Claims. (Cl. 280—11.20)

1. In a device of the class described, in combination with a roller skate having a frame and a rear wheel, a bracket member supporting the wheel, said wheel having an axle, a frame substantially U-shaped in contour having side walls and a rear wall, said side walls straddling the bracket member, said side walls having projections engaging about the end portions of the axle for retaining the frame in operative position about the rear of the skate, a brake shoe carried



by the frame, means pivotally mounting the brake shoe in the frame, said means extending through said shoe and through the side walls of the frame, and means carried by and extending through the forward portions of the side walls and engaging the bracket for retaining the frame in operative position, the skate and frame being tiltable for engaging the brake shoe with a surface over which the skate is traveling for permitting arresting of forward movement of the skate.

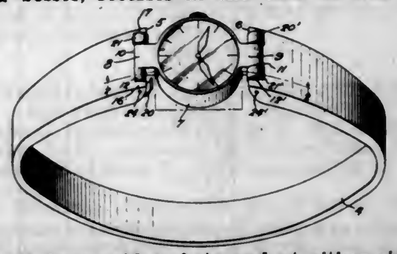
2,191,019
FEEDING MEANS AND METHOD
Le Baron B. Johnson, Bronxville, N. Y.
Application September 16, 1938, Serial No. 230,323
5 Claims. (Cl. 137—21)



4. In a method of feeding a compound heavier than water at a predetermined uniform rate, confining a quantity of compound into an open column, adding water to the surface of the column of compound to bring the level of water and compound to a predetermined level, displacing the compound at the predetermined level by supplying compound displacing water at a predetermined uniform rate to the surface of said column and thereby delivering compound at a uniform rate corresponding with the rate of water supply.

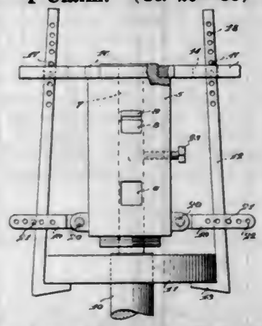
2,191,020
DETACHABLE MOUNTING FOR WATCHCASES
Cecil D. Kaufmann, Washington, D. C.
Application April 18, 1938, Serial No. 202,798
1 Claim. (Cl. 224—4)

In a casing for watches or the like having bosses projecting radially from diametrically opposite portions thereof and a split ring having its opposite ends spaced apart and arranged for securement to said bosses, the combination of pivot pins extending in opposite directions from the outer ends of each of said bosses, and means at the opposite ends of said ring arranged for detachable locking engagement with said pivot pins, said means including semi-cylindrical bearing sockets in each end portion of said ring and extending transversely thereof, a slot in a side wall of each socket separating the same into two portions and arranged to receive one of said bosses, recesses in the ends of said ring



spaced from said sockets and at either side of said slot, and spring clamps pivotally mounted in said recesses and arranged to swing about the adjacent ends of said ring whereby to yieldably lock the pins for rotation in the sockets and detachably secure the pins to said ring.

2,191,021
PULLING DEVICE
Ralph Ladd, Kelso, Wash.
Application September 19, 1938, Serial No. 230,729
1 Claim. (Cl. 29—85)

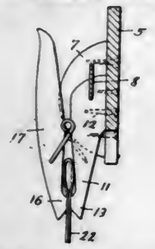


A pulling device for removing gears and the like from a shaft comprising a tubular body having transverse passages intersecting the bore of said body, opposed arms extending laterally from one end of said body having slots therein, pulling rods extending through the slots of said arms having a series of apertures, pins insertable in the apertures of said rods for adjusting the rods longitudinally, bifurcated lugs pivotally attached to the opposite end of said body and adapted to extend laterally therefrom to receive said rods, said lugs having a series of apertures, pins insertable in the apertures of said lugs to adjust said rods laterally of the body, hooks on the ends of said pulling rods for engaging the gear, a plunger slidably mounted in the bore of said body, a wedge insertable in the transverse passages of said body for driving said plunger against the end of the shaft and a set screw passing through said body for engagement with said plunger.

2,191,022
HOLDER
William Charles La Veau, Stambaugh, Mich.
Application August 10, 1938, Serial No. 224,192
4 Claims. (Cl. 211—89)

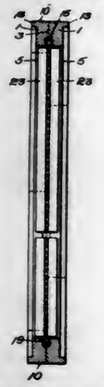
1. A holder of the character described comprising a supporting plate, a clip structure including a pair of jaws, one jaw of the clip struc-

ture being stationarily secured to the plate, the other jaw being rockably mounted on the stationary jaw and being provided with a finger



operative extension, a spring means for contracting the jaws, and an article supporting strip horizontally disposed and supported by the upper portion of the stationary jaw.

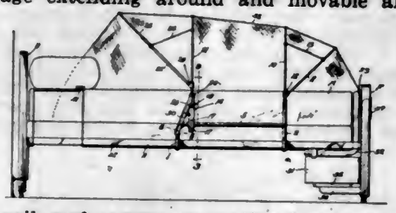
2,191,023
PISTON RING
William H. Longabaugh, Baltimore, Md., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application June 16, 1937, Serial No. 148,537
7 Claims. (Cl. 309—28)



1. A piston ring having, in combination, segmental elements arranged side by side and end to end to form a pair of opposed annuli, the adjacent faces of the several segmental elements of each annulus being formed with recesses which in the assembled ring cooperate to form a groove having reentrant side walls opening on the inner periphery of the ring, and a laterally expandible ring member in said groove cooperating with and retained in said groove by the reentrant side walls thereof and acting to urge said annuli laterally away from each other, which ring member is also expandible radially of the ring, said ring member and segmental elements having cooperating engaging transverse portions for causing said member to expand the ring radially.

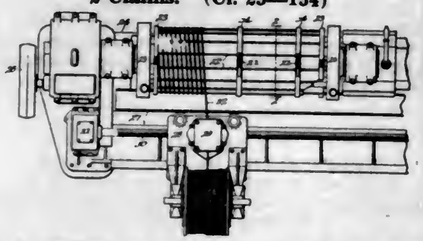
2,191,024
AIR CONDITIONED CANOPY FOR BEDS
Clifford C. Matheny, Compton, Calif.
Application April 15, 1938, Serial No. 202,303
4 Claims. (Cl. 135—5.2)

1. A canopy attachment for beds including spaced pairs of posts, one post of each pair being shorter than the other, a rail connecting the top of each short post to an intermediate point of the long post of the same pair, means for detachably clamping the posts to the side rails of a bed, a carriage extending around and movable along



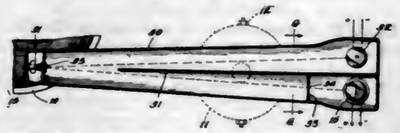
each rail, and canopy supporting bows connecting the long posts and the carriages respectively.

2,191,025
METHOD OF MAKING COMPOSITE PIPES
Robert W. Mitchell, Westmount, Quebec, Canada
Application April 27, 1936, Serial No. 76,693
In Canada December 22, 1934
2 Claims. (Cl. 25—154)



1. A method of making composite pipes and the like which comprises forming a core, arranging a series of reinforcing rods in parallelism on temporary and removable holding means therefor and wrapping the temporary holding means around the core whereby the rods are disposed and held in parallelism with the core axis and held against the core, fastening winding wire to one end of the core and rotating the core while so guiding and tensioning the wire that it winds in a helix about the core and rods, removing the temporary holding means as the winding approaches the same, fastening the wire to the other end of the core while maintaining the wire in tension, thereby to permanently and immovably clamp the rods to the core, and applying an outer covering to the wound core in suchwise that the covering material penetrates into the spaces between the winding wire and the core with covering securing effect.

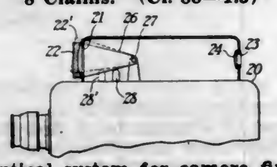
2,191,026
TONE ARM PICKUP
Phillip W. Olson, Grand Rapids, Mich., assignor to Automatic Instrument Company, a corporation of Michigan
Application June 7, 1937, Serial No. 146,839
6 Claims. (Cl. 179—100.41)



1. In a sound pickup for phonographs, a hollow movable tone arm having a partition forming longitudinal passages, a source of light at the end of one passage, a light-sensitive pickup device at the adjacent end of the other passage, means forming a restricted aperture in the passage for the light-sensitive device, and means for

controlling the light from the said source of light through the aperture to the light-sensitive device comprising a stylus mounted for oscillation at the end of the tone arm opposite the light-sensitive device and movable by engagement with the sound track of a record and having a reflector to vary the light which passes from the said source of light within the passages of the arm in opposite directions and through the aperture to the light-sensitive device.

2,191,027
COMBINED VIEW FINDER AND RANGE FINDER
Carl Ort, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 1, 1937, Serial No. 140,231
In Germany July 28, 1936
8 Claims. (Cl. 88—1.5)



8. An optical system for camera finders comprising as its objective lens a plano spherically concave element mounted rotatable about a line perpendicular to the optic axis of the element at the center of curvature of its concave surface whereby said lens element may be rotated to deviate the optic axis of the system.

2,191,028
FILM PACKAGE
Frank C. Miller, Chicago, Ill., and Otto Wittel and Donald F. Lyman, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 5, 1937, Serial No. 140,876
4 Claims. (Cl. 206—59)



1. A film package comprising a spool having flanges spaced on a hub, a strip of film wound thereon in a plurality of convolutions, said film terminating in a tapered tongue, said film having an aperture therein so spaced that the tongue by extending into the aperture may determine the minimum diameter of the innermost film convolution, said tongue and aperture being spaced so that the minimum diameter of the film convolution will be larger than that of said hub.

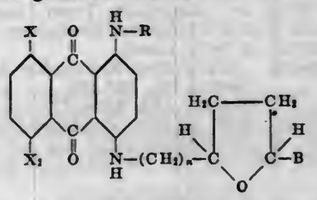
2,191,029
ANTHRAQUINONE COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 22, 1937, Serial No. 165,150
14 Claims. (Cl. 8—40)

5. As new products anthraquinone compounds characterized in that they contain in an alpha position the tetrahydrofurfurylamine radical.

11. The process of coloring a cellulose acetate which comprises applying thereto a nuclear nonsulfonated anthraquinone dye compound selected from the group of anthraquinone compounds characterized in that they contain in an alpha position a member selected from the group consisting of the furfurylamine radical and the tetrahydrofurfurylamine radical.

2,191,030
ANTHRAQUINONE COMPOUNDS AND PROCESS FOR COLORING THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 22, 1937, Serial No. 165,151
5 Claims. (Cl. 8—40)

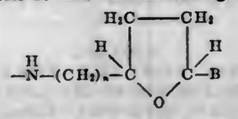
1. As new products anthraquinone compounds having the general formula:



wherein n represents a small whole number above zero, B represents a member selected from the class consisting of hydrogen, an alkyl group and a hydroxyalkyl group, R represents a member selected from the class consisting of hydrogen, an alkyl group, a hydroxyalkyl group, an aryl group, an alkaryl group and a cycloalkyl group and X and X_1 each represents a member selected from the class consisting of hydrogen, a hydroxy group, an alkoxy group, an amino group, an

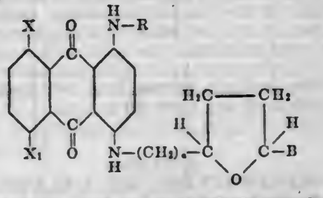


group, wherein R has the meaning above given,



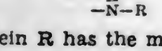
and a group, wherein n and B have the meaning previously assigned them, and in which both X and X_1 are not hydrogen.

4. The process of coloring material made of or containing an organic derivative of cellulose which comprises applying thereto a nuclear nonsulfonated dye, having affinity for organic derivatives of cellulose, selected from the class of anthraquinone compounds having the general formula:

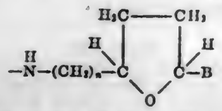


wherein n represents a small whole number above zero, B represents a member selected from the class consisting of hydrogen, an alkyl group and a hydroxyalkyl group, R represents a member selected from the class consisting of hydrogen, an alkyl group, a hydroxyalkyl group, an aryl group, an alkaryl group and a cycloalkyl group and X and X_1 each represents a member selected

from the class consisting of hydrogen, a hydroxy group, an alkoxy group, an amino group, an



group, wherein R has the meaning above given, and a



group, wherein n and B have the meaning previously assigned them, and in which both X and X_1 are not hydrogen.

2,191,031

DENATURED ALCOHOL CONTAINING DIMETHALLYL ETHER

Louis J. Figg, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 28, 1937, Serial No. 166,120

1 Claim. (Cl. 202—77)

Industrial ethyl alcohol denatured with 0.5 to 5 parts of dimethallyl ether, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,191,032

DENATURED ALCOHOL CONTAINING A DIBUTYL ETHER

Louis J. Figg, Jr., and James W. Rhea, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 28, 1937, Serial No. 166,122

1 Claim. (Cl. 202—77)

Industrial ethyl alcohol denatured with 0.5 to 5 parts of a dibutyl ether, as an essential denaturing element, per 100 parts of 95% ethyl alcohol.

2,191,033

COMPOSITION FOR THE TREATMENT OF SYNTHETIC WARP YARNS

Wendell G. Faw, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 10, 1938, Serial No. 213,026

7 Claims. (Cl. 87—9)

1. A textile lubricating composition adapted for the treatment of synthetic warp yarns composed of or containing organic acid esters of cellulose and capable of simultaneously lubricating and de-electrifying the warn and giving it the ability to absorb gelatin sizing compositions and to form a strong bond between the yarn and the size, which comprises a textile mineral oil, an anti-static agent, a sulfonated olive oil having an SO_3 content of not over 5% and a moisture content of not over 10%.

2,191,034

MANUFACTURE OF GELATIN

Samuel E. Sheppard and James H. Hudson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 15, 1938, Serial No. 219,429

5 Claims. (Cl. 260—118)

1. The method of preparing photographic gelatin having an iso-electric point in the region pH6 to pH9, which comprises subjecting animal hides to a dehairing treatment in a ¼% to about 1% alkaline solution containing from 1% to 10% of a neutral salt to prevent swelling of the hide material, removing the hides from the dehairing bath and subjecting them to plumping in an acid bath, neutralizing the hides to a pH of about 5 to 7, and extracting the gelatin from them in water solution.

2,191,035

VIEW FINDER MOUNT

Hugo Nagel, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 29, 1938, Serial No. 222,026

In Great Britain May 5, 1938

4 Claims. (Cl. 88—1.5)



1. The combination with a camera having a body portion, of a mount for a view finder comprising a base plate detachably secured to said portion, an upper plate overlying said base plate and pivotally connected thereto, means on said upper plate for detachably securing said finder thereto, a lever pivotally mounted on said base plate and positioned between said plates and engaging said upper plate, and means on said base plate for lifting said lever when the latter is moved about said pivot to adjust said upper plate and said finder relative to said body portion.

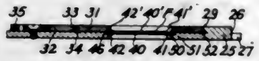
2,191,036

TRANSPARENCY CARRIER

Merrill W. Seymour, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 14, 1938, Serial No. 229,909

8 Claims. (Cl. 88—24)



1. A transparency carrier for use with a photographic enlarger and for holding a transparency having a plurality of perforations along one margin, and comprising a base plate having an exposure aperture therein over which a transparency to be projected is adapted to be positioned, a removable cover plate adapted to be placed on the base plate for holding the transparency flat, said cover plate provided with an exposure aperture, means for positioning said cover plate on the base plate whereby the apertures in the two are in alignment, that portion of each of said plates forming the margins of the exposure aperture therein being beveled away from the aperture to form beveled margins, means for positioning and locking said cover plate in position on the base plate and for forcing the same into surface contact therewith to press the transparency flat whereby the exposure aperture in the two are adapted to be in alignment, said base plate and the cover plate each provided with a plurality of openings in one beveled margin of the exposure aperture therein, which openings are adapted to be spaced from one another so as to be in registry with one another and the perforations along the margin of the transparency when the cover plate is positioned on the base plate, and different colored filters carried by one of said plates and positioned in covering relation with each of said openings therein.

2,191,037

COLOR FORMING DEVELOPER CONTAINING AMINES

Leopold D. Mannes and Leopold Godowsky, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 12, 1938, Serial No. 240,048

3 Claims. (Cl. 95—88)

1. A color-forming photographic developer having a rapid rate of penetration for gelatin layers, comprising a primary aromatic amino developing agent, a compound which couples with the oxidation product of the developing agent on photographic development, and a primary aliphatic amine.

2,191,038

PHOTOGRAPHIC COLOR FILM AND PROCESS

John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 19, 1938, Serial No. 241,424

5 Claims. (Cl. 95—2)



1. A photographic record comprising a support provided with lenticulations on one of its faces, three developed emulsion layers carried by the other face of the support, a silver image in each of two of said layers and corresponding respectively to two of three component spectral colors, each silver image being composed of a large number of separate elements, one under each lenticulation and the image elements under each lenticulation occupying separate areas thereunder, and a dye image in the other of said layers corresponding to the other of said spectral colors, said dye image being continuous and of a color transparent to light of the colors represented by said first two layers.

2,191,039

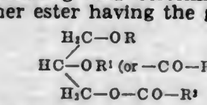
YARN CONDITIONING PROCESS AND COMPOSITION THEREFOR

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 16, 1938, Serial No. 246,199

18 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like, which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component a glyceryl ether ester having the general formula:



where R and R^1 are substituents selected from the group consisting of alkyl, substituted alkyl, cycloalkyl, and aryl groups, and wherein R^2 and R^3 are substituents selected from the group consisting of alkyl, substituted alkyl, cycloalkyl, and aryl groups and hydrogen.

2,191,040

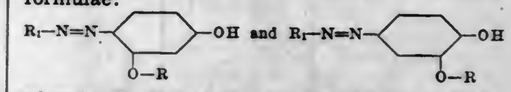
PROCESS OF COLORING

James G. McNally and Joseph B. Dickey, Rochester, N. Y., and Werner H. Zugschwerdt, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 14, 1939, Serial No. 251,036

7 Claims. (Cl. 8—50)

1. The process of coloring material made of or containing an organic derivative of cellulose which comprises applying thereto a nuclear non-sulfonated dye selected from the group consisting of azo compounds having the general formulae:



wherein R_1 represents an aryl nucleus of the benzene series and R represents a member selected from the group consisting of an alkyl group, an alkaryl group and an aryl group of the benzene series.

2,191,041

ORNAMENT

William C. Protz, Manitowoc, Wis., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis., a corporation of Wisconsin

Application April 21, 1937, Serial No. 138,237

3 Claims. (Cl. 41—10)



2. A star ornament comprising a pair of generally star-shaped dished elements of substantially the same size arranged with their dished faces in opposition and their peripheries in matched contact, means for securing said elements together comprising fastening means extending between said elements at said peripheries, each arm of said assembled star having a plurality of flat sloping faces arranged in such a manner that said arms are each generally pyramidal in shape and each of said faces being provided with a multiplicity of relatively small light-emitting apertures, means secured to one of said elements providing a lamp mounting within the space between said elements and a support secured to said lamp mounting and extending downwardly between said elements to terminate in a seating portion for mounting said ornament in upright position upon a Christmas tree or the like.

2,191,042

INTERNAL COMBUSTION ENGINE OF THE LIQUID FUEL INJECTION COMPRESSION IGNITION TYPE

Harry Ralph Ricardo, London, England

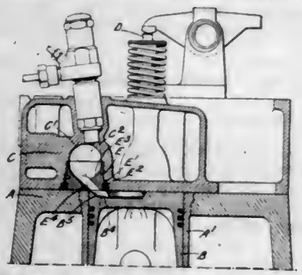
Application July 25, 1938, Serial No. 221,208

In Great Britain July 29, 1937

3 Claims. (Cl. 123—32)

1. An internal combustion engine of the liquid

fuel injection compression ignition type comprising in combination a cylinder, a detachable head for the cylinder, a piston in the cylinder, the opposed faces of the head and piston adapted to be disposed closely together at the end of the compression stroke of the piston, thereby reducing the clearance between them as far as is permitted by mechanical clearance, a pocket-like combustion chamber formed and disposed externally of the cylinder and opening toward the same, a plug member arranged in the mouth of said chamber and having a passageway therethrough, said passageway terminating in an orifice, a fuel jet device disposed in said chamber for delivering a charge of fuel towards a point in the wall of said chamber, a recess formed in one of the said opposed faces, said recess, which is open to the



cylinder bore, being so formed that it is substantially circular in plan and being combined with a groove which runs into said recess and enters it tangentially, the outer end of said groove being adapted to lie opposite to said orifice at least at the end of the compression stroke, said recess with said groove constituting a local increase in the otherwise reduced clearance between the piston and cylinder head, the total combustion space available at the end of the compression stroke being comprised by the volumetric content of the external chamber, the passageway through the plug, the recess and the remainder of the clearance between the face of the piston and the end of the cylinder, of which total combustion space not more than 50% is in the external chamber and the said passageway.

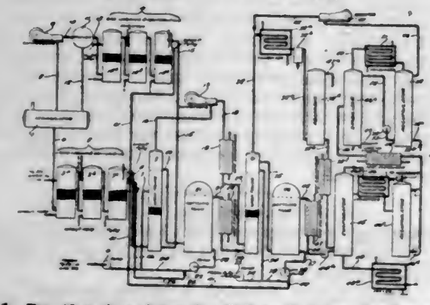
2,191,043

TREATMENT OF OILS WITH PHOSPHORUS PENTOXIDE

Albert P. Sachs, New York, N. Y., assignor to Petroleum Conversion Corporation, Elizabeth, N. J., a corporation of Delaware

Application February 4, 1938, Serial No. 188,608

6 Claims. (Cl. 196—35)



1. In the treatment of low boiling hydrocarbons with P_2O_5 for the purpose of purifying said hydrocarbons and utilizing the olefinic compounds therein, the steps which consist in preparing said hydrocarbons for said treatment by removing therefrom substances soluble in dilute acid, then drying said hydrocarbons by contact therewith of P_2O_5 of not greater impurity than that which has been previously used in the main purifying treatment infra, and which is effective to remove potential water forming compounds detrimental to the action of the relatively fresh P_2O_5 in said treatment infra, passing a liquid stream of the so pretreated hydrocarbon to the lower part of a previously formed column thereof, adding a suspension in hydrocarbon liquid of relatively fresh P_2O_5 to the upper part of said column, decanting from adjacent the top of said column a stream of said hydrocarbon laden with P_2O_5, slowing up the flow of such stream sufficiently to cause said added P_2O_5 to settle, recovering in concentrated form said P_2O_5 in suspension thus settled out, and recovering said P_2O_5 treated hydrocarbons.

2,191,044

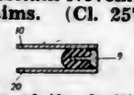
LIQUID TREATING APPARATUS OF THE BUILT-UP TYPE

Richard Seligman, Point Pleasant, Wandsworth, London, England, assignor to The Aluminium Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England, a British company

Application November 5, 1938, Serial No. 239,135

In Great Britain November 10, 1937

10 Claims. (Cl. 257—245)



1. In apparatus of the built-up type, a spacing member consisting of an open frame having resilient packing material disposed around the inner edge thereof and having means carried by said frame for preventing the packing material from spreading relative to said frame in an outward direction when compressed between the marginal edges of adjacent plates.

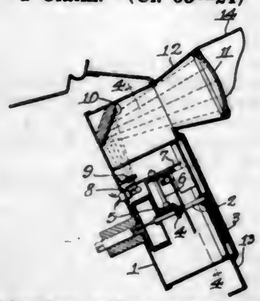
2,191,045

SPEED INDICATOR

John W. Slayton, Pittsburgh, Pa.

Application July 11, 1938, Serial No. 218,695

1 Claim. (Cl. 88—24)



The combination with a speedometer including a rotatable dial, of an indicator for signalling changes from one range of speeds to another range of speeds, said indicator including a translucent lens, a lamp for directing light rays to the lens, a member rotatable with the speedometer dial and synchronized therewith, and translucent sections of different colors carried by the member and designating different speed ranges respectively, said sections being positioned for successive movement into the path of the light rays between the lamp and lens, each section being proportioned to remain in said path during speed variations within the speed range associated with said section, and means carried by said member for intercepting all of the light rays to the lens until the dial of the speedometer displays a speed in excess of a low speed range.

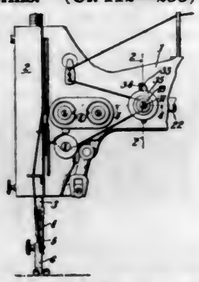
2,191,046

INTERMITTENT TENSION DEVICE

Alfred Tiesler, Wittenberge, near Potsdam, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 20, 1938, Serial No. 246,773

8 Claims. (Cl. 112—255)



1. In a sewing machine tension device having an operative and a retracted position, a stem, thread-engaging means mounted on said stem, a tension-spring acting upon said thread-engaging means, and a guard member adapted to preclude the insertion of thread into said thread-engaging means when the tension device is in retracted position.

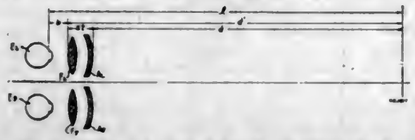
2,191,047

METHOD AND MEANS FOR TESTING THE EYES

Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application April 12, 1937, Serial No. 136,268

4 Claims. (Cl. 88—20)



1. A method of providing prescription lens systems for near vision correction of the eyes of a patient comprising exposing test means to the vision of the patient's eyes at a distance approximate for a test for near vision, placing refractive test lens systems designed for an object at infinity in front of the patient's eyes, varying the powers of said refractive test lens systems so as to determine in conjunction with said exposed test means the required correction for the refractive errors of the eyes, placing additional test lens systems before the eyes which are designed to introduce shape magnification without change of focal power for an object at infinity to vary the ratio of size impressions existing between the two eyes by an amount to equalize said size impressions so as to determine the inequality of such ratio between the two eyes, noting the difference of the total center thicknesses of the test lens systems before the two eyes, computing the design for the required surface curvatures for prescriptive lens systems for near vision corrections, according to the findings by said test lens systems, as though being designed for an object at infinity while substantially effectively maintaining the difference of the total center thicknesses of the test lens systems before the two eyes and surfacing pieces of lens medium with surface curvatures to produce prescriptive lenses for near vision, according to the design thus computed, while reducing said prescriptive lenses to total center thicknesses which are different from each other substantially equal to the difference of the total center thicknesses of the test lens systems.

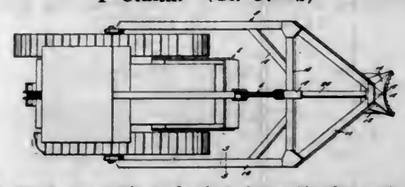
2,191,048

TREE UPROOTER

Hiram Tims, New Roads, La.

Application April 22, 1939, Serial No. 269,481

1 Claim. (Cl. 37—2)



A tree uprooting device for attachment to a tractor having an overhead cable hoist, said device comprising a yoke-like frame including parallel side bars having rear ends adapted for pivotal connection to opposite sides of the tractor, respectively, for vertical swinging movement of said bars, a cross bar connecting the front ends of said side bars, a pair of forwardly converging pusher bars extending from the front ends of said side bars, respectively, a pair of upper and lower spaced apart plates connecting the front ends of said pusher bars, a tree engaging plate fixed between said pair of plates to be braced laterally thereby and having a serrated front edge for engagement with a tree, a brace bar extending from said cross bar centrally thereof and having a front end disposed between said pair of plates and bearing against the rear edge of the tree engaging plate to back the same, and means at the juncture of said cross bar and brace bar for the attachment of said cable thereto.

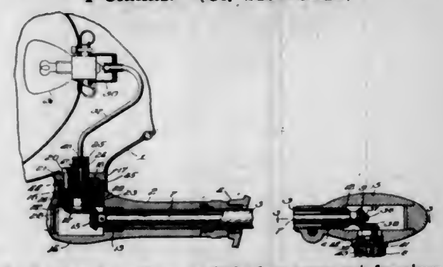
2,191,049

SPOTLIGHT OR THE LIKE

Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois

Application May 17, 1937, Serial No. 143,009

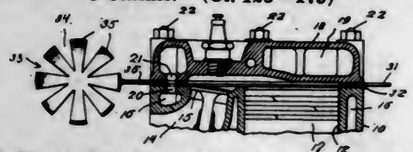
4 Claims. (Cl. 240—61.13)



1. In combination, a tubular support having a hollow body member at one end, a lamp head resting on said body and having a post fixed thereto and extending into and rotatable in the body member, a sleeve of insulating material extending through said post and fitted therein so as to be compelled to rotate therewith while free to move lengthwise in the same, a metal shaft extending through and fixed in said sleeve, a lamp in the head having one terminal grounded and

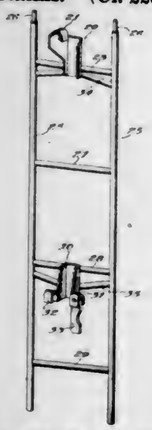
the other terminal conductively connected to the aforesaid shaft, a metal gear wheel in the interior of said body member fixed to the aforesaid shaft, a second metal shaft extending lengthwise through and insulated from said tubular support, a metal gear wheel on one end of said second shaft meshing with the aforesaid gear wheel, a spring acting on said sleeve in a direction to hold said gear wheels in intimate contact with each other, and means to connect the other end of said second shaft to a source of current to energize said lamp.

2,191,050
COOLING DEVICE
Spencer Talley Trice, Mabank, Tex.
Application September 22, 1938, Serial No. 231,239
5 Claims. (Cl. 123—173)



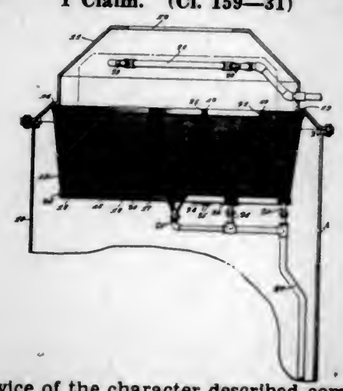
2. In combination with the portion of a machine where overheating is apt to occur and which embodies two parts bolted together and having an inner zone of heat generation, means for radiating and dissipating such heat comprising a plate of metal of high heat conductivity apertured to surround said zone and having its inner edge portions clamped between said parts and provided with openings through which the bolts securing the parts together pass, the outer edge portions of said plate projecting outwardly beyond said parts for contact by the surrounding or passing air, and said projecting outer edge portions having openings to afford additional length of exposed edge and thereby increase the heat dissipating capacity thereof, and a hollow sphere of metal of high heat conductivity attached at one side to a side of said plate and provided with arcuate slots from one end to the other to define spaced strips between the slots for the free circulation of air through and within said sphere.

2,191,051
SCAFFOLD LADDER
Reinhold A. Uecker, Ingar G. Rambo, and David E. Beatty, Wauwatosa, Wis.
Application September 19, 1938, Serial No. 230,648
11 Claims. (Cl. 228—45)



1. A ladder for use with a scaffold or the like having a vertical post and a horizontal brace, said ladder comprising, an attaching bracket engageable around said post and supported on said brace, a rung attached to said supporting bracket, a side bar connected to each end of said rung, a brace joining the lower portion of said bracket with the side bars, and a plurality of rungs carried by said side bars.

2,191,052
SAVE-ALL
Arsenio R. Velasco and William Wyllie, Talisay, Occidental Negros, P. I.
Application October 21, 1938, Serial No. 236,344
1 Claim. (Cl. 159—31)

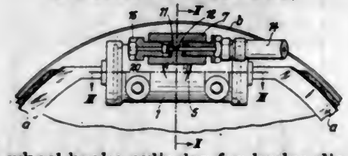


A device of the character described comprising a casing adapted for evaporation and concentration purposes and having a dome, an annular ring seated in said dome and having the side of the casing concentric to and removed therefrom, concentrically arranged alternately inverted truncated substantially cone-shaped screens within the casing and suspended by said ring, the walls of the said screens being angularly disposed to the perpendicular and reticulated, interfitting hoops joining the upper screen walls adjacent to each other of the said screens, channeled ring-like members joined with the lowermost portions of said reticulated walls and forming troughs common to the respective screens, take-off branches leading from the said ring-like members, a drain pipe having communication with said branches, a circular spray nozzle superposed with relation to said screens, and a supply pipe connected with said nozzle for delivering caustic solution to the said nozzle for the spraying thereby of said solution onto the screens.

2,191,053
PREPARATION OF ADDITION PRODUCTS OF ACETYLENE
Hans Walter, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application November 13, 1935, Serial No. 49,551. In Germany May 24, 1930
13 Claims. (Cl. 260—498)

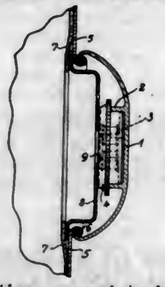
1. A process for the preparation of vinyl compounds comprising reacting acetylene with a compound selected from the group consisting of organic hydroxy compounds and carboxylic acids at a temperature above 200° C. in the presence of a catalyst body comprising activated carbon impregnated with an acidic catalyst comprising a substantial amount of uncombined phosphoric acid.

2,191,054
CYLINDER FOR HYDRAULIC BRAKES
Hermann Kurt Weihe, Berlin, Germany
Application April 10, 1937, Serial No. 136,226
In Germany April 11, 1936
3 Claims. (Cl. 60—54.6)



1. A wheel brake cylinder for hydraulic brakes, comprising in combination, a horizontally arranged main pressure cylinder, brake actuating pistons slidable therein, a lateral connecting piece rising obliquely from said cylinder and provided with a single T-shaped passage, the stem of which communicates with said cylinder, one end of the head of said T-shaped passage being connected with a source of fluid for supplying said fluid to said cylinder and the other end of said head being adapted for the escape of air accumulated in said cylinder and removable means for closing said last mentioned end.

2,191,055
TELEPHONE SET FOR COMMUNICATION IN AIRPLANES
Karl Wenzky, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application September 9, 1937, Serial No. 163,077
In Germany September 7, 1936
4 Claims. (Cl. 179—156)

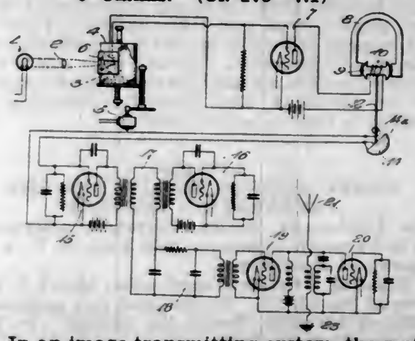


1. In combination, an aviator's helmet having an opening therein, a telephone receiver, holding means for said receiver acoustically sealing one side thereof, means attaching said holding means to said helmet, a cup-shaped member, an opening in the bottom of said member aligned with said receiver and means attaching the rim of said member to said helmet with the open end of said member facing the interior of said helmet and the cup-shaped part exteriorly of said helmet whereby a receptacle is formed for the ear of the aviator surrounding the same and separated therefrom.

2,191,056
MANUFACTURE OF ARTIFICIAL MATERIALS
Georg Wick, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 25, 1936, Serial No. 92,699. In Germany July 26, 1935
3 Claims. (Cl. 260—36)

3. The process for manufacturing artificial materials from an insoluble polyvinyl chloride and a softening agent, which comprises working together the said material under pressure at a temperature between 110 and 150° C. at which the mass gelatinizes, maintaining said temperature and continuing said working at said temperature until the mass becomes homogeneous.

2,191,057
FACSIMILE TRANSMITTING AND RECEIVING SYSTEM
James D. Durkee, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application July 25, 1938, Serial No. 221,223
9 Claims. (Cl. 178—7.1)



1. In an image transmitting system, the method of transmitting variations of light intensity which comprises generating a beat frequency wave by the coaction of two independent oscillations, modulating the frequency of one of the independent oscillations and thereby modulating the beat frequency, regulating the amplitude of the beat frequency wave in accordance with the frequency of the same, generating a radio frequency carrier current, modulating the radio frequency carrier current by the beat frequency wave, detecting the modulated radio frequency carrier to reestablish the modulated beat frequency, employing the modulated beat frequency to vary the intensity of a light beam in accordance with the amplitude of the beat frequency wave, and recording the varying intensities of the light beam.

2,191,058
ACOUSTICAL OSCILLATOR, PRINCIPALLY ORGAN PIPE
Niels Poul Robert Jarnak, Hillerød, Denmark
Application July 14, 1936, Serial No. 90,462
In Denmark July 22, 1935
1 Claim. (Cl. 84—349)



An acoustical oscillator of the type of an organ pipe comprising a fundamental oscillation resonator, a mouth piece acting as an auxiliary oscillation resonator, and an oscillation producing means therebetween, the resonance frequencies of the fundamental oscillation resonator and the auxiliary oscillation resonator being substantially in the proportion of 2:3.

2,191,059
CARBONACEOUS ION-EXCHANGE MATERIAL

Otto Liebknecht, Neubabelsberg, near Berlin, Germany, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

No Drawing. Application September 23, 1938, Serial No. 231,449. In Germany April 13, 1934

13 Claims. (Cl. 252—2)

8. A process of making an acid resistant water insoluble granular ion-exchanging material comprising reacting granules of a carbonaceous material selected from the group consisting of wood, peat, lignite, coals and cokes having a relatively high content of volatile matter with sufficient gaseous SO_3 to produce a sulfated high sulfur containing reaction product having a high capacity for ion-exchange, and thereafter washing the product to remove soluble matter.

2,191,060
CARBONACEOUS ZEOLITE AND THE PREPARATION THEREOF

Otto Liebknecht, Berlin, Germany, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

No Drawing. Original application March 8, 1935, Serial No. 10,127. Divided and this application March 24, 1939, Serial No. 264,036. In Germany April 13, 1934

11 Claims. (Cl. 252—2)

1. A process of making from raw carbonaceous materials containing humic matter substantially water-insoluble sulfated conversion products capable of forming with alkali metal ions water-insoluble ion-exchanging compounds, said process comprising treating a raw carbonaceous material chosen from the class consisting of wood, peat, lignite, charcoal, coals, and cokes, with more than an equal weight of a sulfating reagent selected from the class consisting of concentrated sulfuric acid, chlorosulfonic acid, fuming sulfuric acid, the monohydrate and sulfuric acid anhydride, at a moderate temperature at which said sulfated conversion products are formed without substantial carbonization thereof to form a granular product with a major portion thereof consisting of granules too large to pass through a 50 mesh screen, and washing residual free acid and water-soluble matter from the resulting insoluble sulfated material.

6. A granular carbonaceous ion-exchange product comprising a member of the coal family treated with a sufficient quantity of a concentrated strong acidic reagent that adds a sulfur containing acidic radical to said member to substantially enhance the ion-exchange capacity thereof, and thereafter charged with sodium as the principal exchangeable ion by subjecting the acid treated coal to contact with a solution of a sodium salt.

2,191,061
DEVICE AND METHOD FOR HANDLING EGGS

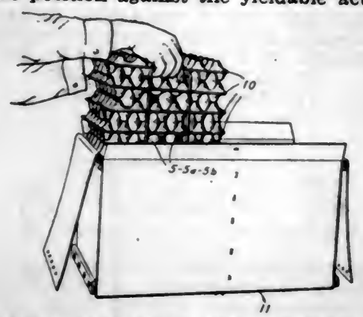
Roy C. Potts, Takoma Park, Washington, D. C.

Application January 24, 1938, Serial No. 186,677

3 Claims. (Cl. 226—18)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A collapsible frame for handling units of eggs prearranged in cellular forms, said frame consisting of a base section, two side sections yieldably hinged to said base section, constituting said side sections foldable into said base section, means for holding said side sections in a foldable position against the yieldable action of



said side sections, and a handle adapted to be removably disposed across said side sections.

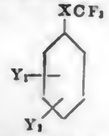
2,191,062
ORTHO- AND PARA-NITROPHENYL-TRIFLUOROMETHYL-SULPHOXIDES, OXIDATION PRODUCTS THEREOF, AND PROCESS OF PREPARING THE SAME

Willy Schumacher, Otto Scherer, and Fritz Müller, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application October 5, 1938, Serial No. 233,474. In Germany October 5, 1937

5 Claims. (Cl. 260—607)

1. The process which comprises causing nitric acid to act in the presence of sulphuric acid at a temperature below 100° C. upon a compound of the following general formula:



wherein X stands for one of the group consisting of S and SO, Y_1 stands for a member of the group consisting of halogen and methyl and Y_2 for a member of the group consisting of hydrogen and halogen.

2,191,063
MANUFACTURE OF ABSORBENT AND ION EXCHANGING MATERIALS

Pieter Smit, Amsterdam, Netherlands, assignor to N. V. Octrooien-Maatschappij "Activit," Amsterdam, Netherlands

No Drawing. Application January 10, 1935, Serial No. 1,265. In the Netherlands January 19, 1934

16 Claims. (Cl. 252—2)

1. In the manufacture of ion exchanging materials, the process which comprises treating a solid carbonaceous material with more than an equal weight of a strongly dehydrating reagent, capable of producing the dehydration-carbonization of said carbonaceous material, said reagent reacting upon the material at a temperature not substantially exceeding 300° C. to form acidic humic compounds, to produce a humic product having ion exchanging properties suitable for conditioning water.

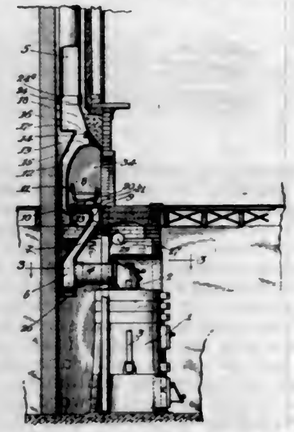
2,191,064
HEATING APPARATUS

Quillar I. Wagner, Villa Park, Ill.

Application May 5, 1938, Serial No. 206,220

10 Claims. (Cl. 237—51)

3. In combination, a furnace, an open fireplace and a chimney flue, said fireplace having a hollow floor providing a passage extending from one edge to the opposite edge of said floor and connecting the furnace with its chimney flue for conveying products of combustion from the furnace thereto, the upper wall of said passage being constructed of heat-conducting material adapted to transmit heat from said products of combustion to the room in which the fireplace is located.



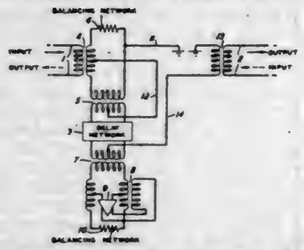
10. In combination, a furnace, an open fireplace and a chimney flue, said fireplace having a hollow wall extending from the lower portion to the upper portion of the fireplace and connected to serve as a passage for products of combustion from the furnace to the chimney flue, said fireplace being mounted in a chamber provided with an air inlet and an air outlet, and another wall of said fireplace being composed of solid material adapted to transmit heat, said wall being exposed on one side to the interior of the fireplace and exposed on the other side to the interior of the air chamber, whereby heat generated in the fireplace is transmitted to the air chamber for increasing the temperature of air flowing from the inlet to the outlet thereof, and said hollow wall having its portion exposed toward the fireplace composed of heat-conducting material for transmitting heat from the products of combustion of the furnace to the room in which the fireplace is located.

2,191,065
WAVE TRANSMISSION SYSTEM

Horace Whittle, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 23, 1938, Serial No. 203,722

4 Claims. (Cl. 178—44)



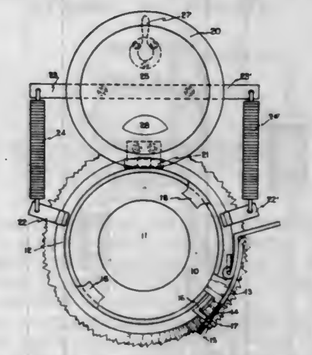
1. The method which comprises propagating waves in one mode through a delay path and propagating the same waves twice in another mode through the same delay path and rendering the delays in the several propagations cumulative.

2,191,066
PRESSURE-SEATED CLOSURE

Forest C. Barber, Bartlesville, Okla.

Application May 12, 1938, Serial No. 207,542

7 Claims. (Cl. 266—39)



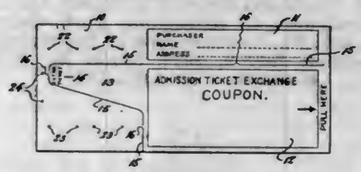
1. A closure for an open-mouthed vessel, which comprises a cover comprising substantially solid thermal insulating material, means for attaching said closure to said vessel, means pivotally connecting said cover with said attaching means, at least one tension spring adapted to hold said cover against said vessel when closed and to hold said cover open when open, and a vent hole in said cover substantially on a line connecting the center of said cover and said means pivotally connecting said cover with said attaching means and between said center and said means, said cover being substantially in a vertical plane when closed.

2,191,067
TICKET BOOK

John A. Bryce, Newark, N. J., assignor to International Ticket Company, Newark, N. J., a corporation of New Jersey

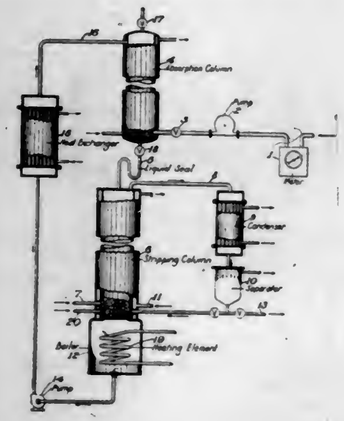
Application May 7, 1938, Serial No. 206,542

3 Claims. (Cl. 283—6)



1. A ticket book comprising a plurality of superposed leaves, each comprising a butt portion and an outlying extension subdivided to provide a non-detachable record stub section and a detachable coupon section having an inwardly projecting concealed inscription bearing tongue portion indenting said butt portion, said leaves being arranged in segregated groups, guard means of comparatively stiff sheet material interposed between the leaf butt portions of said groups, cover means enclosing said leaves, and binding staples engaged through the inner end portions of said cover means and through said leaf butt portions and guard means in surrounding but outwardly offset relation to the inscription bearing tongue portions which indent said leaf butt portions.

2,191,068
PROCESS FOR PREPARING MONOVINYLACETYLENE
Albert S. Carter, Wilmington, Del., and Frederick B. Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 8, 1936, Serial No. 78,584
12 Claims. (Cl. 260—678)



12. In a process for the continuous production of monovinylacetylene, the steps which comprise circulating through a system a liquid catalyst capable of promoting the polymerization of acetylene to non-benzenoid polymers, at one point in said system charging said catalyst with acetylene and at another point in said system stripping the catalyst of acetylene and reaction products, the rate of circulation between said points being so controlled that the acetylene reacts to form a substantial quantity of monovinylacetylene without the formation of substantial quantities of divinylacetylene.

2,191,069
METHOD OF MAKING COMPRESSED WOODEN ARTICLES
Ralph R. Clark and Howard G. Swarr, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 9, 1936, Serial No. 89,802
6 Claims. (Cl. 144—309)



1. In the method of making a compressed wooden article having portions on at least one side thereof lying at different levels in the finished article, the steps consisting in axially compressing a wooden blank along a direction substantially parallel to the grain thereof to reduce the article to substantially final dimensions, and thereafter, while radially confining the blank, further axially compressing a portion only thereof to depress a portion of one surface thereof out of the plane of the remainder of said surface.

2,191,070
PROCESS OF MANUFACTURING PLYWOOD
Charles N. Cone, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application February 19, 1935, Serial No. 7,253
Renewed January 21, 1939
6 Claims. (Cl. 144—309)



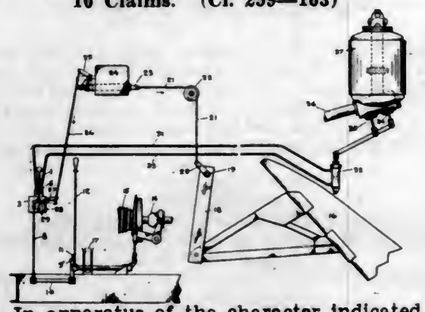
1. The process of making plywood comprising cutting a plurality of core pieces from suitable core material, arranging a predetermined number of said core pieces in a plane, bringing each of said core pieces into tight abutting arrangement so that a longitudinal edge of each core piece abuts the longitudinal edges of each adjacent core piece in the assembly, maintaining said tight abutting relationship and spreading a suitable adhesive over the surfaces of said core pieces, removing said core from said plane while maintaining said tight abutting relationship and placing it on a suitable piece of plywood backing material, superposing on the assembly thus formed a suitable piece of plywood face veneer and inserting the entire assembly into a press.

2,191,071
COAXIAL CONDUCTOR SYSTEM FOR TRANSMISSION OF ELECTRICAL POWER
William S. Duttera, Lynbrook, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 15, 1937, Serial No. 137,003
11 Claims. (Cl. 174—28)



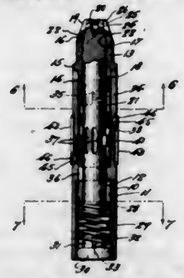
7. A high frequency coaxial transmission line comprising an outer conductor of high electrical conductivity and an inner conductor of high electrical conductivity, a plurality of spaced conical insulators between said conductors and surrounding said inner conductor for supporting said inner conductor, the large ends of said insulators being fastened to said outer conductor, the small ends of said insulators being adjacent to and surrounding said inner conductor, said small ends being larger than said inner conductor for enabling movement of said inner conductor within said insulators along the length of said line, and a plurality of movable carriage supports along the length of said line for supporting same, said carriage supports being connected to said outer conductor, whereby said outer conductor can expand or contract with variations in temperature, and said conductors can also move independently of one another, due to changes of temperature and for purposes of disassembly.

2,191,072
HYDRAULIC WATER CONTROL AND LOCK FOR CONCRETE MIXERS
John P. Faber, Dunellen, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application July 6, 1939, Serial No. 282,963
10 Claims. (Cl. 259—163)



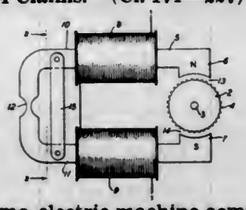
1. In apparatus of the character indicated, a loading device, a container for water to be discharged with the contents of said loading device, means for causing discharge of said loading device and water from said container, a timing device to measure a period to elapse after such discharge and means connected with said timing device and said means for causing discharge of the container whereby the latter is locked in closed position by the former during said period against water discharging movement.

2,191,073
ROTATIVELY OSCILLATABLE HAIR CLIPPER
Fred Fishbein and Jesse Harr, Newark, N. J., assignors to Herman Cohen, Newark, N. J.
Application January 15, 1938, Serial No. 185,142
5 Claims. (Cl. 30—207)



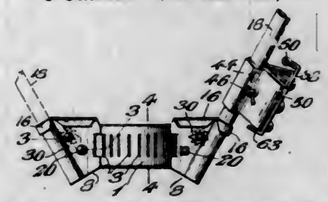
1. A device of the kind described comprising, a casing member, a hollow outer conical cutter means affixed to the upper end of said casing member and having an internal conical bearing surface at the inner faces of the cutter elements thereof, an inner cutter means cooperative with said outer cutter means and having an external conical bearing surface to engage the internal bearing surface of said outer cutter means, spring means to exert both torsional and axial thrust effects upon said inner cutter means, whereby the axial thrust maintains the cooperating conical bearing surfaces of the inner and outer cutter means in contact with self sharpening effect upon their cutter elements, means to anchor one end of said spring means in connection with said casing member, means to couple the other end of said spring means to said inner cutter means, means to determine a normal rotatively stopped relation of said inner cutter means relative to said outer cutter means to align their cutter elements and intervening spaces, and means to produce relative rotary cutting movements of said cutter means.

2,191,074
DYNAMO-ELECTRIC MACHINE
Harold W. Herrington, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1937, Serial No. 156,669
4 Claims. (Cl. 171—227)



1. A dynamo-electric machine comprising a rotor, a U-shaped stator core having the poles thereof positioned adjacent said rotor, a portion of the yoke of said U-shaped core being reduced in cross-section to permit flexing of the arms thereof, and means comprising a thermal element connected between the arms of said U-shaped core at a substantial distance from the rotor and varying in length according to temperature changes for varying the position of said arms with respect to each other to adjust the air-gaps between the stator poles and the rotor according to temperature changes while maintaining the different portions of the pole faces substantially symmetrical with respect to the rotor.

2,191,075
FLAG AND FLAGPOLE HOLDER
William F. Hogan, Wildwood, N. J.
Application October 18, 1937, Serial No. 169,584
5 Claims. (Cl. 248—42)

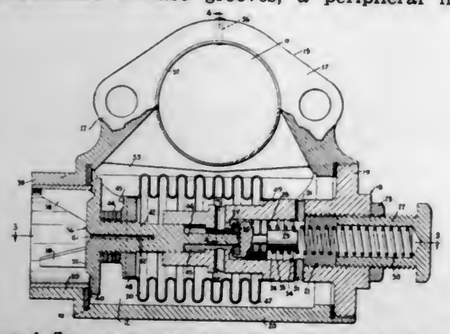


4. In a device of the character stated, a collar, fastening means for adjustably clamping said collar around a pole, there being spaced vertical slots in the body of said collar for adjustable engagement with said fastening means, and a flagpole supporting bracket adapted to be carried by said collar and comprising a socket for receiving the pole of a flag, a rotary toothed member projecting into said socket and adapted to engage a pole inserted therein, said socket merging into a pair of spring arms, and tabs at the ends of said spring arms adapted to pass through said slots and to be deflected against the inner face thereof.

2,191,076
FUME ELIMINATING VALVE FOR INTERNAL COMBUSTION ENGINES
Samuel Jacovelli, Brooklyn, N. Y.
Application April 17, 1939, Serial No. 268,189
7 Claims. (Cl. 137—153)

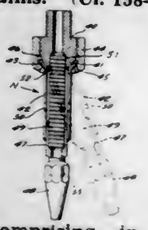
1. A device of the class described comprising a housing having two separated compartments

therein communicating with each other, one of said compartments being open at both ends and being connected in the intake manifold of an engine, the other of said compartments having a hollow stem projecting thereinto through one end, said stem being closed on its outer end, an inwardly projecting valve seat provided in said stem intermediate its length, a valve slidably mounted in said stem and adapted to seat against said valve seat, a spring normally urging said valve against said valve seat, said valve having longitudinal surface grooves, a peripheral in-



ternal flange surrounding the other end of said second compartment, a second valve slidably mounted in said other end of said second compartment adapted to seat against said flange to open or close said other end, said second valve having a stem projecting through said valve seat to a point adjacent said first valve, a bellows open at both ends, one of said open bellows ends being sealed against said second valve and the other end being sealed around said stem, radial ports through the walls of said stem outside said bellows, and additional radial ports through the walls of said stem inside said bellows.

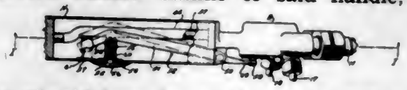
2,191,077
GAS BURNER
Robert J. Kehl, Bayside, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 6, 1933, Serial No. 669,688
5 Claims. (Cl. 158—99)



1. A nozzle comprising, in combination, a nipple having a bore; a tubular member; an outlet tip secured to said tubular member; a conduit in said tubular member connecting said bore to the entrance of said tip; and adjustable means for clamping said tubular member to said nipple.

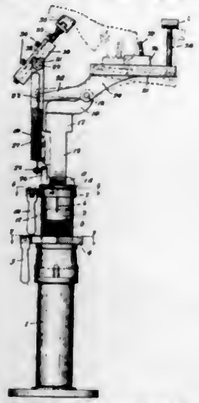
2,191,078
BLOWPIPE
Robert J. Kehl, Manhasset, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application March 31, 1937, Serial No. 133,950
17 Claims. (Cl. 158—27.4)

1. A blowpipe comprising, in combination, a tubular handle; a gas conduit within said handle; a valve controlling the flow of gas through said conduit; means for actuating said valve comprising a lever pivoted intermediate its ends at a point located outside said handle and within the projected tubular outline of said handle, the



arms of said lever being of unequal length, the shorter arm of said lever being operatively associated with said valve and the longer arm extending into said handle; and a device slidably engaging said blowpipe and the longer arm of said lever for actuating said lever to operate said valve.

2,191,079
SHOE JACK
Euclid I. La Chapelle, Brockton, Mass.
Application June 28, 1939, Serial No. 281,573
3 Claims. (Cl. 12—127)

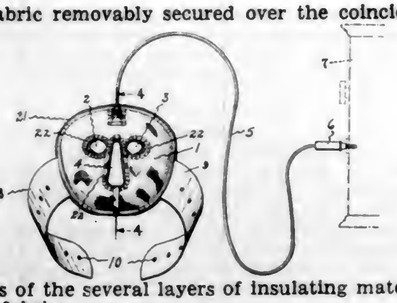


1. A shoe jack, having, a shoe forepart supporting member, a rocking frame; slideways in the said rocking frame; a sliding block in the said slideways; a shoe heelpart supporting member mounted on the said sliding block; a spring connected to and urging the said rocking frame and the said shoe heelpart supporting member in a direction towards the said shoe forepart supporting member, and a forearm engaging member, whereby the said rocking frame and the said shoe heelpart supporting member may be rocked against the tension of the said spring in a direction away from the said shoe forepart supporting member, for the purposes described.

2,191,080
ELECTRODE APPLICATOR FOR USE IN SHORT WAVE RADIO THERAPY
Florence N. Lewis, New York, N. Y.
Application April 29, 1937, Serial No. 139,641
2 Claims. (Cl. 128—380)

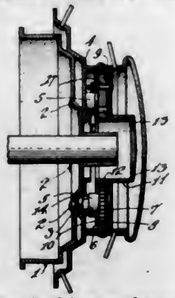
1. An electrode applicator for use in short wave radio therapy consisting of a body formed in the shape of a mask adapted to fit over the face and having a plurality of layers of flexible insulating material provided with openings therethrough to accommodate the eyes and nose, a layer of flexible metallic electrical conducting mesh material positioned between the layers of insulating material and secured to the inner face of one of said layers of material, means for connecting said electrical conducting mesh material to a source of high frequency electrical energy, a layer of fabric material secured to the outer surface of the said body, a layer of fabric material secured to the inner surface of said body, and a binding

of fabric removably secured over the coinciding



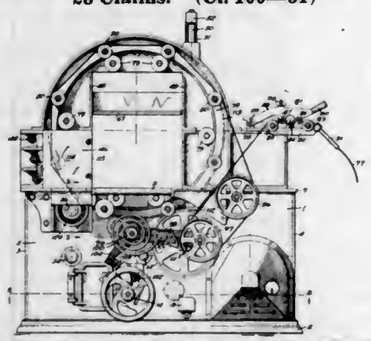
edges of the several layers of insulating material and fabric.

2,191,081
WHEEL MOUNTING DEVICE
John T. Menken, Hillsdale, and Frank B. Herbert, Westwood, N. J.
Application January 22, 1938, Serial No. 186,264
2 Claims. (Cl. 301—9)



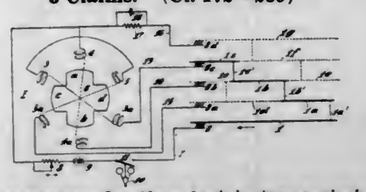
1. In a device for locking a demountable wheel upon a plurality of threaded studs, a plurality of threaded nuts adapted to engage said studs, small gears attached to said nuts, a pair of spaced plates rotatably supporting said gears and nuts, one of said plates having an opening at the center thereof, a cap passing through the opening at the center of one of said plates and having a large gear engaging all of said small gears, and means to enable the cap to be rotated by a tool.

2,191,082
BUNDLE BINDING AND TYING MACHINE
George D. Parker, Riverside, Calif.; Donald Parker and Citizens National Trust and Savings Bank of Riverside, a national banking association, executors of said George D. Parker, deceased, assignors to Wire Tie Machinery Company, a corporation of California
Application January 20, 1926, Serial No. 82,493
28 Claims. (Cl. 100—31)



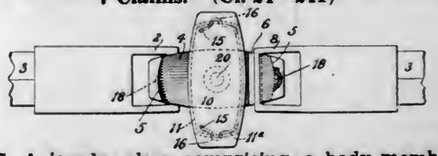
27. In a tying machine, means for effecting engagement of a tensioned binding wire about an object to be bound and tied, a member having means to receive portions of said wire in one position, said member being movable to intertwist said portions into a knot and place them for discharge in another position, and cam means having a plurality of cam portions each of which is for imparting movement to said member to enable successive knotting operations of said member.

2,191,083
APPARATUS FOR THE ELECTRIC TRANSMISSION AT A DISTANCE OF ROTARY VELOCITIES
Karl Pestalozzi, Bern, Switzerland, assignor to Hasler A.-G. Werke für Telephonie und Prazisions-mechanik, Bern, Switzerland
Application August 26, 1938, Serial No. 226,908
In Switzerland August 30, 1937
3 Claims. (Cl. 172—239)



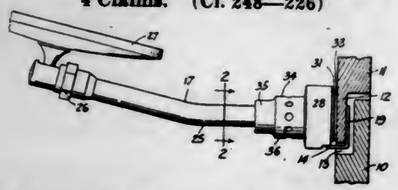
1. In a system for the electric transmission of rotary velocities, the combination of a transmitter including a rotary contact element and a plurality of fixed contacts arranged for successive cooperation with said rotary element at different angular positions of the latter, a receiver comprising a stator having a plurality of pairs of field magnets electrically connected with said fixed contacts, respectively, and a soft iron rotor, a source of direct current, a variable resistance, a transmission circuit containing said rotary contact element, source of current and variable resistance in series with each of said magnet pairs, the latter being arranged parallel to each other, and a spark extinguishing circuit in shunt with said transmission circuit.

2,191,084
JEWELRY CLASP
Harry Radzinsky, New York, N. Y., assignor to Katz & Ogush, Inc., New York, N. Y., a corporation of New York
Application September 14, 1939, Serial No. 294,821
7 Claims. (Cl. 24—241)



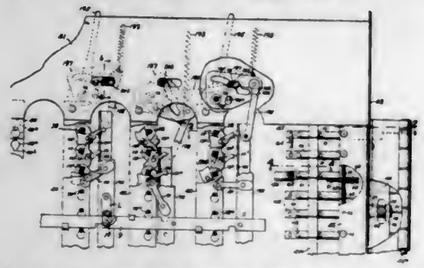
7. A jewelry clasp comprising, a body member provided with an open-top slot in its upper face, a cover member adapted to normally overlie the body member and cover and close the open top of said slot, said cover member having a hollow chamber defined by side walls and end walls, said cover member being pivotally attached to the body member at a central position between the end walls, a C-shaped spring contained within the chamber, said spring being secured at a point between its ends to one of the side walls and having free ends formed with detent portions extending out of the end walls of the chamber, said end walls having apertures through which said detent portions protrude, the body member having portions formed with recesses for detachable engagement with said detent portions.

2,191,085
CLAMPING MEANS FOR MIRRORS FOR MOTOR VEHICLES
Abraham W. Rosen, New York, N. Y.
Application September 14, 1939, Serial No. 294,813
4 Claims. (Cl. 248—226)



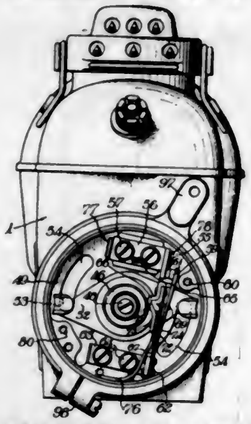
3. A clamp for a mirror assembly for automobiles consisting of a U shaped bracket having one of its legs rigidly connected to a mirror carrying rod, a threaded extension to the said rod having a flattened portion extending longitudinally thereupon, the said bracket having its other leg placed over a support, a compression plate between the said legs having ears over the sides of the said rigidly connected leg, a resilient washer over the said plate, a housing over the said bracket and plate provided with a D shaped opening to fit non-rotatably and slidably over the said extension, and a locking member threadedly engaging the said extension to force the said housing against the ears of the said plate and simultaneously clamp the support between one leg of the said bracket and the said washer.

2,191,086
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 19, 1937, Serial No. 126,575
Renewed October 12, 1939
20 Claims. (Cl. 235—54)



11. In a voting machine, a row of voting spindles, an arm fixed to each spindle and having a finger, a bar adjacent said column of spindles and parallel thereto, means supporting said bar for combined parallel and transverse movement relative to said row of spindles in a first and a second direction from a position of rest, rungs on said bar engageable with said fingers upon movement of said bar in said first direction only, a plate pivotally and slidably mounted on each arm, a shoulder on each plate adapted in one position of said plate to engage the adjacent spindle to lock the spindle associated with said plate, said plate having a portion adapted in a second position of said plate to register with said finger and in a third position to extend beyond said finger for engagement by one of said rungs upon movement of said bar in said second direction, a master spindle at one end of said row of spindles, connections between said master spindle and said bar, and adjustable means effective in one position to prevent movement of said bar in said first direction from its position of rest and in another position to prevent movement of said bar in said second direction from its position of rest.

2,191,087
MAGNETO GENERATOR
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application February 25, 1933, Serial No. 658,614, now Patent No. 2,012,290, dated August 27, 1935. Divided and this application June 20, 1935, Serial No. 27,476
3 Claims. (Cl. 200—30)

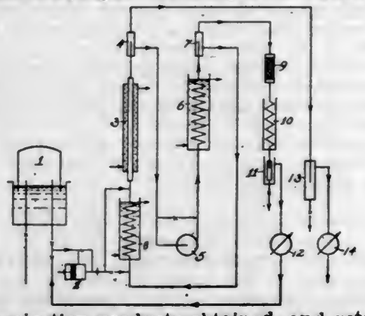


1. In apparatus of the class described, a cam and a breaker assembly to be operated thereby including a cam follower, means for maintaining said follower continuously in engagement with said cam, a fixed contact, a movable contact, a spring arm carrying said movable contact and maintaining it normally in engagement with the fixed contact, and an abutment on said cam follower movable by said cam into engagement with said spring arm to positively disengage the movable contact from the fixed contact, said cam follower and spring arm being so mounted that their lateral movement in unison takes place without substantial relative translation.

2,191,088
CONTINUOUS PRODUCTION OF POLYMERIZATION PRODUCTS OF ACETYLENE
Robert Stadler and Albert Auerhahn, Heidelberg, Germany, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company Inc., Wilmington, Del.
Application July 25, 1935, Serial No. 33,072
In Germany July 28, 1934
1 Claim. (Cl. 260—678)

The process for the continuous preparation of polymerization products of acetylene by means of catalytically acting acid cuprous salt solutions which comprises leading an acetylene gas obtained by the thermal decomposition of hydrocarbons and being poor in acetylene into the cuprous salt solution at such a low temperature that the gas escaping from the said solution is practically free from polymerization products of acetylene and of acetylene itself, continuously withdrawing the cuprous salt solution from the absorption plant and introducing it into a regenerating plant, limiting the reaction period so that the principal polymerization product is

monovinyl acetylene, separating from the gas mixture escaping from the regenerating plant the



polymerization products obtained, and returning into circulation the cuprous salt solution.

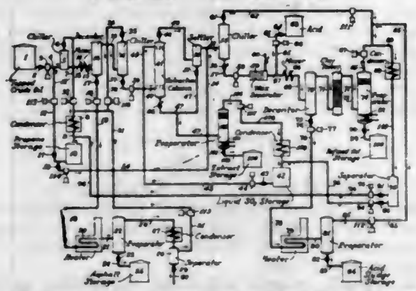
2,191,089
ART OF REFINING
Edwin J. Barth, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 5, 1936, Serial No. 77,925
2 Claims. (Cl. 87—9)

1. A petroleum lubricating oil having a Saybolt Universal viscosity upwards of 50 seconds at 100° F. containing about 0.1% by weight of retene.

2,191,090
ART OF REFINING
Edwin J. Barth, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 5, 1936, Serial No. 77,926
3 Claims. (Cl. 87—9)

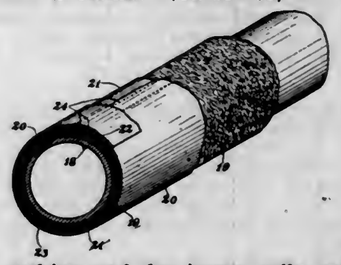
1. A petroleum lubricating oil having a Saybolt Universal viscosity upwards of 50 seconds at 100° F. containing about 0.1% by weight of phenyl ether.

2,191,091
PROCESS FOR TREATING OIL
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 4, 1931, Serial No. 555,018. Divided and this application June 12, 1934, Serial No. 730,217
5 Claims. (Cl. 196—40)



1. A process for treating oil which comprises diluting said oil with a liquefied normally gaseous hydrocarbon diluent maintaining the diluted oil under sufficient pressure to keep the liquefied normally gaseous hydrocarbon in a liquid state, clay treating said oil and diluent and separating said clay treated oil from said diluent.

2,191,092
IRONING PAD AND ASSEMBLY
Phillip D. Cannon, Bound Brook, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 31, 1935, Serial No. 56,864
2 Claims. (Cl. 38—65)



1. A cushion pad for ironer rolls, said pad comprising a resilient felted batt constituted predominantly of asbestos fibres, a backing member including an end portion arranged for attachment to the roll and a portion arranged to extend between the ends of the batt and over the outer face thereof, and a fabric facing member for said batt, said backing and facing members being unsecured to said batt over major portions of their areas, whereby the pad is maintained smooth and resilient for an extended period of the operation of the ironer.

2,191,093
FLOW GOVERNOR FOR FLUID OPERATED PUMPS
Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada
Application May 6, 1938, Serial No. 206,427
7 Claims. (Cl. 103—46)



1. In a fluid operated deep well pumping mechanism, the combination of: a pumping unit adapted to be placed in a well, said pumping unit comprising a fluid motor and a pump connected to said fluid motor so as to be driven thereby; a pressure fluid delivery pipe extending from a source of supply of pressure fluid downwardly through said well to said pumping unit for de-

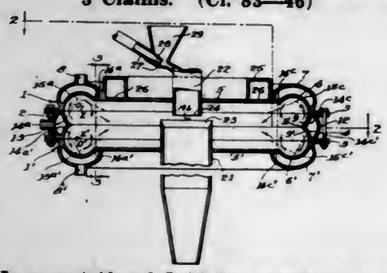
livering said pressure fluid thereto; and a governor adapted to be passed through said delivery pipe in said well into working position adjacent said pumping unit to permit a flow of pressure fluid therethrough from said delivery pipe to said pumping unit, said governor controlling said flow of pressure fluid therethrough.

2,191,094
AZO DYESTUFFS, ETC.
Bernard Herstein, Brooklyn, N. Y., assignor to U. S. Industrial Alcohol Company, New York, N. Y., a corporation of West Virginia
No Drawing. Application August 11, 1937, Serial No. 158,475
17 Claims. (Cl. 8—50)

1. New azo dyestuffs obtainable by coupling a diazotized para-substituted ortho-nitranilin, substituted in para position by a member of the group consisting of chlorine and methyl, with a compound from the group consisting of the esters of acetone-oxalic acid and oxal-acetic acid, said dyes being valuable dyes for dyeing cellulose acetate.

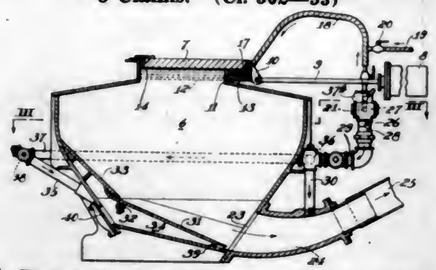
13. The method of dyeing cellulose acetate which comprises dyeing the same with the new dyestuffs defined in claim 1.

2,191,095
CENTRIFUGAL FLUID JET PULVERIZER
Albert C. Hobbie, Moorestown, N. J., assignor to International Pulverizing Corporation, Camden, N. J., a corporation of New Jersey
Application September 1, 1937, Serial No. 161,934
3 Claims. (Cl. 83—46)



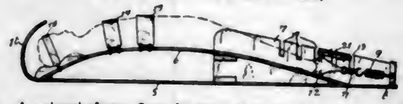
2. In a centrifugal fluid jet pulverizing apparatus for pulverizing solid materials by impact and attrition of particles upon one another, the combination of a casing of circular cross-section enclosing an annular grinding zone in the outer portion thereof, said casing having peripheral walls extending around and at both axial ends of said grinding zone and provided with jet openings for introducing high velocity jets into said grinding zone in directions having components inclined forwardly in one direction with respect to radial planes passing through the axis of said casing in order to maintain whirling motion about said axis, said jet openings including a plurality of angularly spaced pairs of openings located substantially opposite one another in a direction parallel to said axis and inwardly from the outer periphery of the grinding zone, the respective openings of each such pair having opposed components of direction parallel to said axis and being so directed that the opposed fluid jets issuing therefrom will intersect one another at positions inwardly removed from the outer periphery of the grinding zone, and said jet openings also comprising other openings which are located at greater radial distances from said axis than said oppositely located openings and which are so positioned and directed that the fluid jets issuing therefrom will have components of velocity inclined with respect to the components of velocity of said opposed jets, in radial planes passing through said axis, and will superimpose upon the whirling motion about the axis of the casing, within the respective axial end portions of said grinding zone, opposite circulatory motions in such radial planes in such manner as to act upon material adjacent the periphery of the grinding zone and positively direct such material into the paths of said opposed jets, and means for supplying gaseous fluid under pressure to said jet openings.

2,191,096
APPARATUS FOR FEEDING AGGREGATE
Stewart L. McCurdy, Pittsburgh, Pa.
Application December 8, 1937, Serial No. 178,679
Renewed August 23, 1939
8 Claims. (Cl. 302—53)



1. In combination in a pneumatic conveyor, a casing having an inlet for material at its top and an outlet at its lower side, a conduit leading laterally from said outlet, a gate for said inlet, an inclined plate constituting a false bottom for the container with its lower edge terminating adjacent the end of the conduit and spaced above the bottom of the container, said plate being mounted so that said edge is free to oscillate up and down, and means for supplying air under pressure into the container above the inclined plate and into the space below such plate.

2,191,097
SPLINT STRETCHER
Gordon M. Morrison, San Mateo, Calif.
Application March 13, 1939, Serial No. 261,498
3 Claims. (Cl. 128—85)

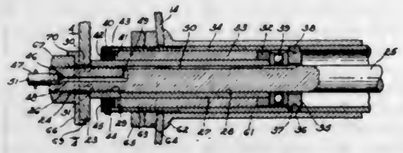


1. A stretcher for injured persons, comprising a base; a curved support attached to said base; a partition attached to said base, adapted to extend between the legs of a person positioned on said curved support; means for securing the foot of the patient to said partition and means for exerting traction to the foot of the person.

2,191,098
DISK HARROW CONSTRUCTION
Howard B. Rapp, Santa Ana, Calif., assignor to Howard B. Rapp and Sally Rapp, copartners doing business as Towner Manufacturing Co., Santa Ana, Calif.
Application September 6, 1938, Serial No. 228,535
9 Claims. (Cl. 97—220)

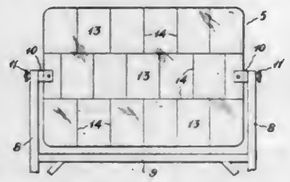
1. In a bearing construction for a disk harrow having a frame, an axle non-rotatably attached thereto, and a tubular member rotatable upon the

axle and adapted to carry a plurality of disks, the combination of: a thrust block attached to the interior of the tubular member; a thrust sleeve around the axle and associated with the axle and frame whereby it is restrained against rotation and is adjustable for axial movement relative to said axle, said sleeve having a reduced portion with an outer diameter less than the inner diam-



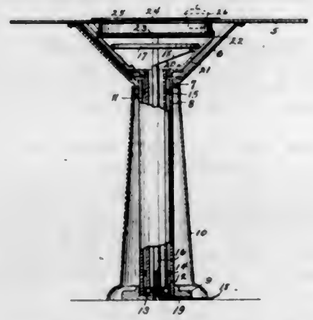
eter of the tubular member and an enlarged inner end cooperating with said block to provide a thrust bearing; a rotary bearing member on the reduced portion of said thrust sleeve; and packing means defining a lubricant chamber between the axle and tubular member containing said thrust block, said enlarged end of said thrust sleeve and said rotary bearing member.

2,191,099
BLACKBOARD AND IMPROVED PROCESS OF MAKING THE SAME
Ralph W. Shenton, Slatedale, Pa.
Application June 27, 1938, Serial No. 215,998
10 Claims. (Cl. 35—63)



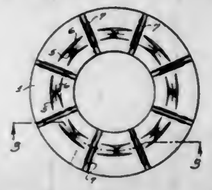
1. An improved blackboard consisting of a backing-support having a veneer of natural slate cemented thereto of the order of one-thirty-second inch thickness.

2,191,100
REVOLVING STEAM TABLE
Leonard H. Starling, Belle Glade, Fla.
Application March 22, 1939, Serial No. 263,495
3 Claims. (Cl. 126—33)



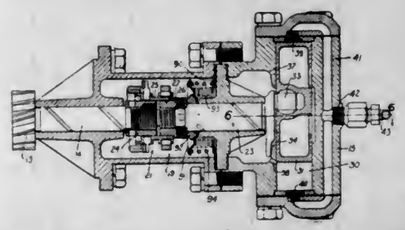
2. A device of the character described comprising a fixed annular table top section, a pan-like member to which said table top section is attached, a pipe supporting said pan-like member from the floor, a tubular member rotatively mounted within said pipe, a water-receiving pan, means for supporting said pan from the tubular member, a cover for said pan having a plurality of openings formed therein for the reception of food-receiving dishes, a burner disposed below said pan, and means for conducting a source of energy for the burner through said tubular member.

2,191,101
LOCK WASHER
Domnic V. Stellin, Detroit, Mich.
Application January 23, 1939, Serial No. 252,301
20 Claims. (Cl. 151—35)



1. A lock washer suitable for right-hand and left-hand threads, comprising a body having upper and lower surfaces, locking elements extending angularly from both surfaces of said body, the elements at the upper surface being inclined in opposite directions to the general plane of said body with reference to circular movement in a given direction around the center of said body, and the elements at the lower surface being likewise inclined in opposite directions to the general plane of said body with reference to circular movement in a given direction around the center of said body adjacent converging elements being so spaced initially as to present at least one locking point each when compressed in use.

2,191,102
REFRIGERANT SYSTEM OPERABLE BY VARIABLE SPEED COMPRESSORS INCLUDING MEANS FOR CONTROLLING COMPRESSOR CAPACITY
Oscar U. Zerk and Daniel Roland Vanneman, Chicago, Ill.; said Vanneman assignor to said Zerk
Application July 1, 1935, Serial No. 29,333
Renewed March 14, 1938
7 Claims. (Cl. 62—117)



1. In a refrigerating system, the combination of a variable speed compressor, an evaporator, conduit means forming a closed system with the compressor and evaporator for refrigerant fluid traversing the system, the compressor having valve means adapted to admit quantities of refrigerant fluid varying inversely per compressor crank revolution, and means controlling flow of refrigerant fluid from the evaporator to said last named means responsive to variation in the evaporator temperature.

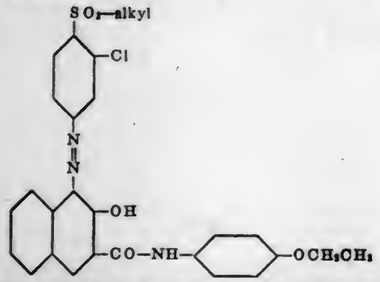
2,191,103

AZO DYESTUFFS INSOLUBLE IN WATER

Werner Zerweck and Wilhelm Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application August 23, 1938, Serial No. 226,248. In Germany August 30, 1937
2 Claims. (Cl. 260—204)

1. Azodyestuffs insoluble in water of the general formula:



which dyestuffs are useful for the manufacture of orange color lakes and yield, when prepared on vegetable fibers, strong orange dyeings and prints of excellent fastness to light and weather.

2,191,104

PAN STRAPPING

Elmer H. Chandonia, Amelia, Ohio, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

Application July 29, 1938, Serial No. 222,016
5 Claims. (Cl. 53—6)



1. In a multiple pan structure of the character described, the combination of a plurality of pans each having a dough supporting member of suitable sheet material, and an end wall secured to said dough supporting member, said end wall extending above the dough supporting member, a reinforcing frame attached to each pan and including a riser extending upwardly along the upwardly extending portion of the end wall outside the limits of the end wall, a pan-connecting strap extending along the corresponding end walls of all the pans in close proximity to the pan frame risers, a mounting strip having opposite ends looped to embrace the risers of adjacent pans, and means fixing the mounting strip to the inner face of the pan-connecting strap.

2,191,105

STRAP FITTING PLATE

Fred R. Cutler, Kansas City, Mo., and Carl R. Peters, Salina, Kans., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application July 14, 1937, Serial No. 153,600
2 Claims. (Cl. 33—200)



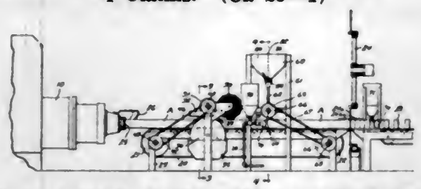
1. A gauge member for gauging and fitting a lens strap to a lens prior to assembly, comprising a body portion cupped to a controlled curvature simulating a standard base curvature of a commercial ophthalmic lens, and having a continuous curved contour edge portion which is tapered to provide varying thicknesses along said edge portion, with the thickness of the said body portion, at designated locations being of a controlled amount less than the edge thickness of a commercial ophthalmic lens of a standard type to which the lens strap is to be fitted, whereby portions of the lens strap overlying the side surfaces of the gauge member may be pressed until the distance between said lens strap portions is less than the edge thickness of the lens, by an amount such that upon release of said pressure, the said strap portions will inherently separate until the distance between them is substantially equal to the edge thickness of the lens to which said strap is to be attached and the said overlying portions will be shaped to the cupped curvature of said gauge member and similarly substantially to the cupped curvature of the lens.

2,191,106

METHOD AND APPARATUS FOR MAKING BRICKS

George W. Denison, Bay Village, and Leonard A. Denison, Cleveland Heights, Ohio

Application February 10, 1937, Serial No. 125,134
4 Claims. (Cl. 25—1)



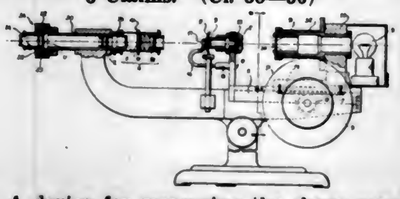
3. In a brick or tile-making machine having means to progress a substantially continuous column of clay including means for movably supporting the clay column, a hopper having a discharge passageway and means to deliver alternately materials having different characteristics, means associated with the hopper to convey such alternately discharged materials from the hopper and apply them to the moving column in a plurality of adjacent bands extending diagonally of the column and means driven by the movable column-supporting means for operating said last-named means.

2,191,107

SIZE TESTING SYSTEM

Anna Estelle Glancy, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application April 16, 1937, Serial No. 137,229
3 Claims. (Cl. 88—56)



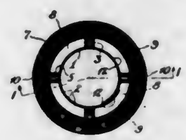
1. A device for measuring the shape magnification of a lens system comprising a test target, a projection lens system normally so located relative to said test target and having such optical characteristics as to produce a projected test image of said test target by parallel light emanating from said system, means for supporting a lens system to be tested at a test position located substantially at a principal focal point of said projection lens system whereby the parallel rays emanating from said projection lens system will traverse said test position, means for moving said test target toward and away from the projection lens system an amount sufficient to compensate for deviations of the light rays from parallelism as effected by the focal power of a lens system under test and located at said test position so that said rays will emanate from said lens system under test in substantially parallel relation simulating the parallelism of said rays as normally traversing said test position, means for receiving the image projected by said rays having size scale indications of a zero size image associated therewith and means including a lens system for shifting the width of parallelism of the rays to increase or decrease the size of image which is projected by said parallel rays after traversing the lens system under test, with substantially no introduction of focal power, until the size of image simulates the width of the zero size image scale indications and means graduated in terms of percent magnification and associated with said lens system for altering the size of the image for indicating the extent of adjustment necessary to produce an image of the size of the zero size image of the scale indications.

2,191,108

PACKAGE INSERT ADAPTABLE FOR THE MOUNTING OF FINE FILAMENTOUS THREAD IN ANNULAR PACKAGE FORM

Charles A. Huttinger, Lakewood, Ohio, assignor to Acme Rayon Corporation, Cleveland, Ohio, a corporation of Ohio

Application April 3, 1936, Serial No. 72,480
5 Claims. (Cl. 18—8)



3. Package inserts adaptable for the mounting of fine filamentous thread in annular package form comprising a shell provided wtih a multiplicity of ports and with spaced outwardly-extended rubber bars whose inner edges are rigidly secured to the shell, said bars being provided with ports having liquid communication with the interior and exterior of the shell.

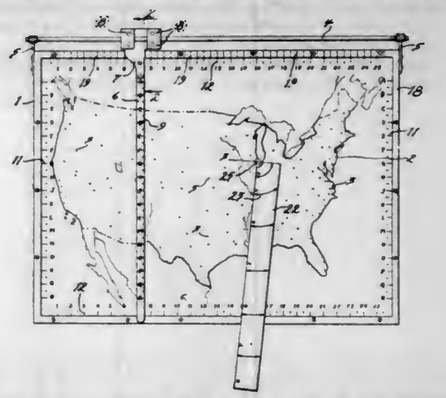
2,191,109

LOCATING DEVICE FOR MAPS

Rufus J. Kittredge, Evanston, Ill.

Application May 7, 1937, Serial No. 141,338
3 Claims. (Cl. 35—40)

1. In a device of the character described, the combination with a map, of a traverse bar provided with a longitudinally extending locating scale, bearing means whereby said traverse bar is bodily movable transversely of its length across said map and is pivotally movable facewise of said map, releasable means for selectively securing said traverse bar in selected positions of its bodily movement and adapted to release with pivotal movement of said bar away from said map, and said map being provided with a locating scale



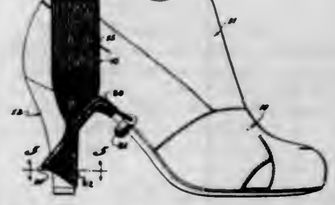
extending correspondingly with the bodily movement of said traverse bar for locating the same in its bodily movement.

2,191,110

HEEL BREAST COVERING CLAMPING DEVICE

George Fredrick Lybrook, South Portsmouth, Ky.

Application September 30, 1938, Serial No. 232,627
4 Claims. (Cl. 12—125)



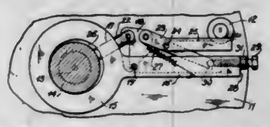
1. In a device for clamping a heel breast covering in place, in combination, a yoke adapted to straddle the heel of a shoe, a sheet of elastic webbing between the arms of the yoke, and means for holding said webbing positioned against the heel breast, said means comprising the cross bar of the yoke and an elastic loop secured to said yoke and adapted to fit over the heel portion of the shoe.

2,191,111

WORK DOG

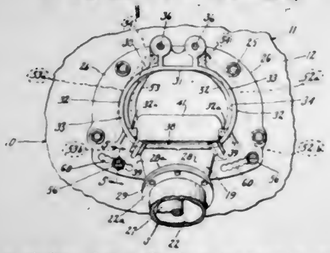
Charles D. Mack, Cleveland, Ohio

Application July 9, 1938, Serial No. 218,426
11 Claims. (Cl. 82—41)



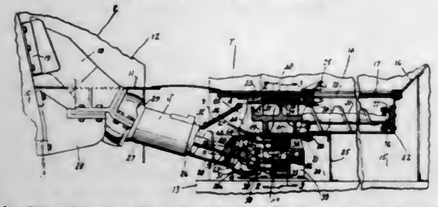
1. A work-dog, comprising in combination, a collar having a chordal hole therein and a handle attached thereto, a wedge within the chordal hole, and a tensional adjustable toggle mechanism for moving and positioning the said wedge in the said chordal hole.

2,191,112
LOCOMOTIVE STOKER
Eugene Martin, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application March 4, 1937, Serial No. 128,892
11 Claims. (Cl. 110—104)



2. In a stoker for a firebox having a wall with an opening therein, a stoker fuel feeding conduit communicating with said opening, means for advancing fuel through said conduit, a plate-like member at the discharge end of said conduit having a fuel supporting upper surface, a concave recess formed in the fuel supporting surface of said plate-like member adjacent each lateral extremity thereof and a pair of laterally spaced longitudinally extending fuel guiding elements mounted to turn about longitudinally extending axes disposed above said fuel supporting surface, the axes of said fuel guiding elements being so disposed with respect to said recesses that upon turning of the said guiding elements portions thereof pass across the surfaces defining said recesses.

2,191,113
LOCOMOTIVE STOKER
Eugene Martin, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application May 28, 1937, Serial No. 145,197
6 Claims. (Cl. 198—15)

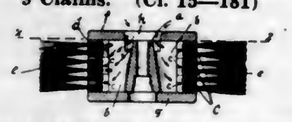


1. In a locomotive having a firebox and a tender provided with a fuel bin, a stoker for transferring fuel from said bin to said firebox including a conduit mounted on the tender and arranged to receive fuel from said bin, a conveyor screw in said conduit for urging fuel forwardly, said conduit including a forwardly opening end portion through which fuel is discharged in an endwise direction by said conveyor screw, a conduit extending between the locomotive and tender and at its remote ends being flexibly related with a respective vehicle, the rearward end of the second named conduit arranged to receive fuel from the end portion of the first named conduit, a conveyor screw in the second named conduit having its rearward end offset from the forward end of the first named conveyor screw, and means rearward of the second named conveyer screw for driving the first named conveyor screw from its forward end and the second named conveyor screw from its rearward end, said last named means including a flexible joint on the tender disposed outside the passage for fuel and arranged with its axis of articulation in approximate coincidence with the axis of articulation of the second named conduit.

2,191,114
CONDENSATION PRODUCT OF THE PERYLENE SERIES
Heinrich Neresheimer and Anton Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Original application July 7, 1937, Serial No. 152,380. Divided and this application February 12, 1938, Serial No. 190,320. In Germany July 7, 1936
5 Claims. (Cl. 87—9)

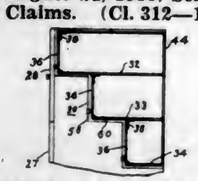
1. A composition of matter comprising a hydrocarbon oil and a high molecular from oily to solid condensation product of the perylene series containing in its molecule alkyl groups having at least 6 carbon atoms, the said condensation product being readily soluble in hydrocarbons and mineral oils giving from yellow to violet coloration and an olive-yellow to olive-bluish fluorescence and being from difficultly soluble to insoluble in cold sulphuric acid and not capable of being saponified by hot sulphuric acid yielding the initial material.

2,191,115
VENTILATED ROTARY BRUSH
Laurits Henrik Nielsen, Kolding, Denmark, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1936, Serial No. 117,601
In Great Britain June 29, 1936
9 Claims. (Cl. 15—181)



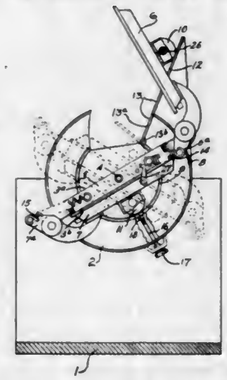
1. A rotary brush including in combination hub members adapted to act as a fan for driving air through the brush, wherein the hub is provided with recesses which communicate with the atmosphere through a central aperture at one end of the hub and form between them radial vanes operative to drive air by centrifugal force through apertures remote from the axis of rotation.

2,191,116
CABINET CONSTRUCTION
Francis John Osuch, Grosse Pointe, Mich., assignor to Robot Products Corporation, Detroit, Mich., a corporation of Michigan
Application August 24, 1938, Serial No. 226,531
3 Claims. (Cl. 312—112)



1. A wall cabinet comprising a unitary shelving structure having open ends and an upper portion of greater depth from front to rear than its lower portion and including a series of superimposed compartments having open fronts and in which one compartment is of less depth than the compartment thereabove, so as to dispose the compartments in stepped arrangement downwardly and rearwardly, doors for the open fronts of the compartments hinged to fixed portions thereof and end members conforming to the contour of the shelving structure and each comprising an end wall having inwardly directed peripheral flanges embracing telescopically end portions of said structure, whereby the length of the cabinet may be varied.

2,191,117
PRESSING MACHINE
Herbert E. Page, Syracuse, N. Y.
Application September 8, 1936, Serial No. 99,774
16 Claims. (Cl. 38—22)



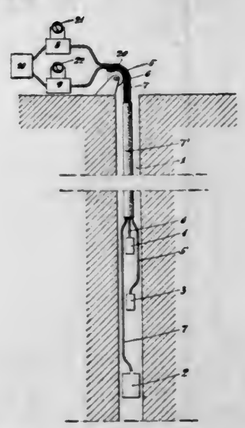
1. In a pressing machine, a suitable frame, cooperative pressing elements having an opening and closing movement, one of said elements being rotatably mounted in the frame to move about an axis and the other in an arcuate path through a cycle of movement about said axis and also toward and from the other element at the beginning and end respectively of the arcuate movement, and operator controlled means operable to simultaneously move the first element about its axis and the other in its arcuate path and also toward the first element during the beginning of its cycle of movement in its orbital movement and away from the same at the end of its cycle of movement.

2,191,118
PYELOGRAPHIC PREPARATION
Arnold Salomon, Oss, Netherlands, assignor to the firm of N. V. Orgachemia, Oss, Netherlands
No Drawing. Application May 27, 1938, Serial No. 210,518. In the Netherlands June 3, 1937
5 Claims. (Cl. 167—95)

3. A stable aqueous solution of a salt of o-iodohippuric acid containing substantially more hippuric acid than is normal in an aqueous solution and a small amount of a stabilizing agent selected from the class consisting of urethanes and pyrazolones.

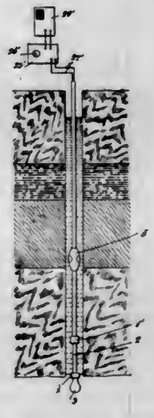
2,191,119
METHOD OF AND APPARATUS FOR SURVEYING THE FORMATIONS TRAVERSED BY A BORE HOLE
Conrad Schlumberger, Paris, France; Anne Marguerite Louise Doll, administratrix of said Conrad Schlumberger, deceased, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application May 11, 1935, Serial No. 21,071
In France June 1, 1934
31 Claims. (Cl. 181—0.5)

16. A method of determining geological structure of the earth in the vicinity of drill holes, which comprises transmitting compressional waves through the drill hole and receiving at various known points in the drill hole, the compressional waves so transmitted and obtaining indications of the intensity of such reception whereby the character of the wall structure may be ascertained.



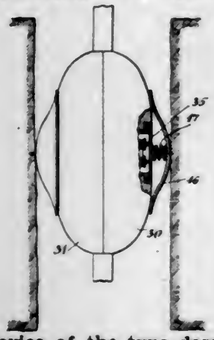
18. A system for obtaining indications of absorption due to the wall structure of a drill hole which comprises means for generating waves, means for receiving such waves at various points in the drill hole and means for indicating the intensity of the waves received.

2,191,120
METHOD OF GEOLOGICAL SURVEY
Louis B. Slichter, Belmont, Mass., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application March 2, 1935, Serial No. 9,046
1 Claim. (Cl. 181—0.5)



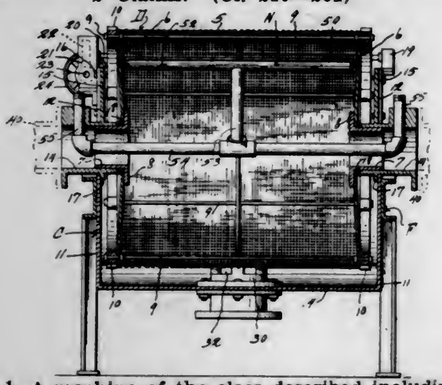
A method of determining the geological structure of the earth in the vicinity of a drill hole which comprises successively producing sound vibrations at spaced points in the drill hole, receiving at a single fixed position from said spaced points therein the waves produced at said points and comparing the energy received from said points.

2,191,121
GEOLOGICAL SURVEYING APPARATUS
Louis B. Slichter, Belmont, Mass., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Original application March 2, 1935, Serial No. 9,046. Divided and this application January 5, 1940, Serial No. 312,609.
3 Claims. (Cl. 181—0.5)



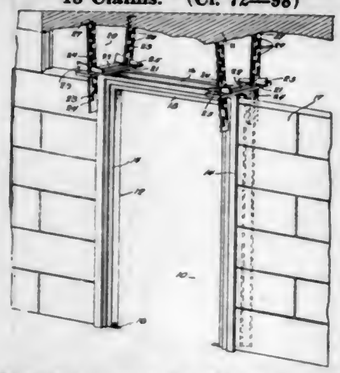
1. In a device of the type described, a cable, a streamline body composed in two parts, and adapted to fit over the cable, the cable passing centrally therethrough, means for clamping the streamline body together about the cable, and means providing a sound receiving device within the stream-line body having a diaphragm contained within the surface of the streamline body.

2,191,122
LIQUID SEPARATOR OR SAVE-ALL
David A. Smelser, Bristol, Tenn.
Application March 1, 1938, Serial No. 193,346
2 Claims. (Cl. 210—201)



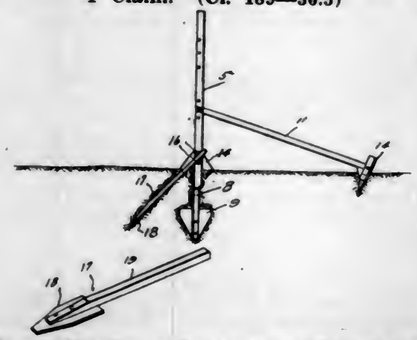
1. A machine of the class described including a container, a rotary drum comprising heads, a perforated peripheral wall carried by said heads, said heads possessing a certain degree of inherent resiliency, tubular trunnions extending outwardly from the central portions of the heads, said trunnions being in communication with the interior of the drum, opposed bearings carried by the container and extending inwardly thereof and with which the trunnions of the drum telescopically engage, the distance between the inner ends of the trunnions normally exceeding the distance between the inner ends of the bearings, the resiliency of the heads providing means to permit the trunnions to be moved inwardly of the drum a distance sufficient to engage the trunnions within the bearings, the resiliency of said heads also maintaining the trunnions in close sealing contact, said assembled trunnions and bearings providing outlets for the container, said container also having an inlet, and means for rotating the drum.

2,191,123
BUILDING CONSTRUCTION
Charles J. Sullivan, East Falls Church, Va., assignor to John L. Barr, Washington, D. C.
Application May 21, 1938, Serial No. 209,326
18 Claims. (Cl. 72—98)



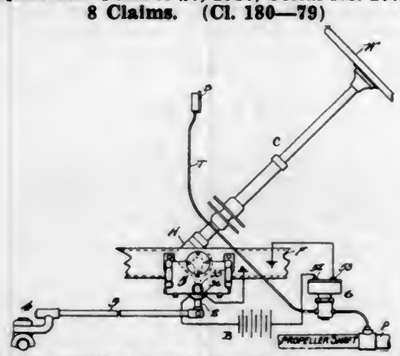
1. Clamping means for fixing in position in fireproof buildings the frames of doors or windows comprising in combination, a slotted plate member adapted to bear on two horizontal portions of the frame spaced on opposite sides of the central plane thereof, a pair of struts slidable in said slot one outwardly of each bearing point of the plate on said frame and movable to engage the ceiling above the frame, and wedging means engaging the plate to individually urge each strut in an upward direction for the purpose described.

2,191,124
FENCE POST
William E. Warmka, Wells, Minn.
Application June 3, 1938, Serial No. 211,656
1 Claim. (Cl. 189—30.5)



In combination, a fence post and a stake, said post provided with a pair of horizontally disposed protuberances between which the stake is disposed, said protuberances being adapted to guide the stake as it is driven into the ground at a definite acute angle in relation to the post, said protuberances each consisting of a member extending from the post and a rotary sleeve on the projecting member against which sleeve the stake is ridable.

2,191,125
AUXILIARY STEERING MECHANISM
Douglas Collins, Salisbury, N. C.
Application October 20, 1937, Serial No. 170,113
8 Claims. (Cl. 180—79)



1. An auxiliary means for decreasing the flexibility of a steering mechanism and comprising a fluid-pressure controller co-acting with the steering mechanism, a valve device for varying the rate of flow of fluid within the controller, an electro-magnet and its circuit for operating the valve device, a circuit-maker in said circuit, a governor for closing the circuit-maker, and power operated propelling means to actuate the governor at a predetermined rate of speed.

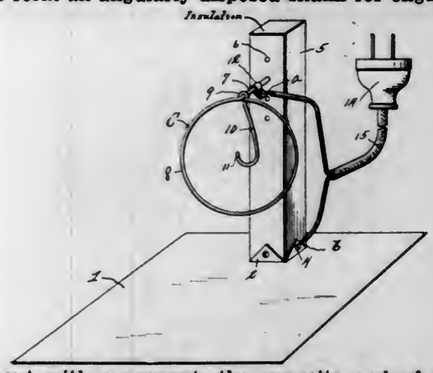
2,191,126
INSECT CATCHER
William J. Gustke, Parkersburg, W. Va.
Application July 19, 1939, Serial No. 285,429
7 Claims. (Cl. 43—135)



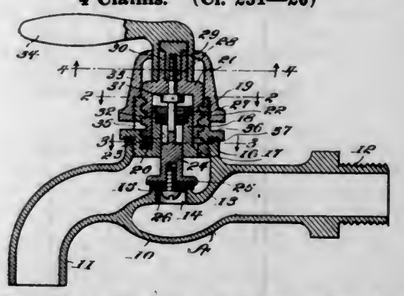
1. An insect catcher comprising a handle including portions connected together for relative movement, a pair of spring pressed companion swatting members swingingly mounted on one of said portions and urged toward each other to swatting position, and keeper means engageable with the other handle portion for holding the swatting members in open position and releasable therefrom upon gripping said handle portions for moving the same toward each other.

2,191,127
ELECTROCUTING TRAP
Clair T. Hazel, Pleasant Gap, Pa., assignor of one-half to Ray C. Noll, Pleasant Gap, Pa.
Application March 11, 1939, Serial No. 261,267
1 Claim. (Cl. 43—98)

A contact member for an electrocuting trap to be supported above a contact plate, said contact member being formed of a single length of material formed into a loop of predetermined diameter, one end of said loop being continued to form an angularly disposed shank for engagement with a support, the opposite end of the loop being continued to provide an arm extending inwardly of the loop, the free end portion of said arm constituting a bait hook, and said arm being of a length to position the bait hook at substantially the axial center of the loop.



2,191,128
FAUCET
Lynne S. Jolly, Pueblo, Colo., and Nathan G. Lindsey, St. Joseph, Mo.
Application August 7, 1939, Serial No. 288,758
4 Claims. (Cl. 251—20)

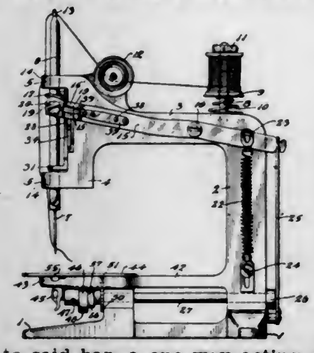


1. In a faucet having a closure valve, a capping head fitting said faucet and forming an outer cylindrical wall and an inner guide column spaced from said wall, the said column having a guideway therein, a stem on said valve and fitting the guideway in said column for holding the valve movable and against rotation when in operation, an inner bonnet separably fitting the capping head and having connection with said stem for moving the valve on adjustment of said bonnet, and an outer bonnet fitting said capping head, the said capping head having a vent opening into the space between the column and said cylindrical wall, the said space being receptive to lubricant.

2,191,129
BUTTON SEWING MACHINE
Harry A. Landis, Red Lion, Pa.
Application November 16, 1938, Serial No. 240,813
16 Claims. (Cl. 112—111)

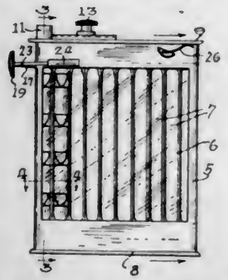
11. In a button sewing machine of the class described, a frame support including a sewing head having needle bar guide means therein, a needle bar reciprocably and oscillatorily mounted

in said guide means, oscillating means mounted on said head comprising a plate pivoted at one end to the head and engaging the bar at its other end, a cam on said plate, a star wheel having a recess for receiving said cam, an operating lever on said support having a finger piece and con-



nected to said bar, a one-way acting detent on said lever engageable with the star wheel for shifting the bar laterally on each successive stroke of the bar, and a looper shaft and looper operatively connected to the operating lever aforesaid for actuation thereby during operation of the bar.

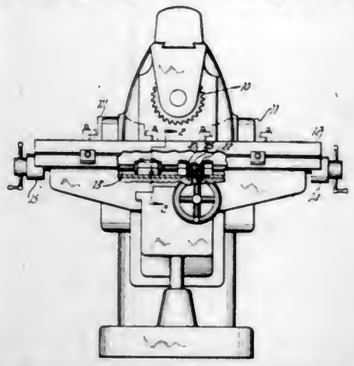
2,191,130
LOADING DEVICE
William Ludwig, Bruno, Saskatchewan, Canada
Application May 3, 1937, Serial No. 140,547
1 Claim. (Cl. 42—87)



A loading device for cartridges including a receptacle, a plurality of parallel tubular holders mounted in said receptacle, a horizontal sliding top secured to said receptacle and having a tube forming an opening therethrough, a sliding gate extending through said tube, a ratchet positioned on said top and engaging a pivoted gravity dog associated therewith which when reciprocated will move said tube progressively into alignment with said parallel holders, and a sliding bottom for said receptacle, whereby access to both ends of said holder may be had.

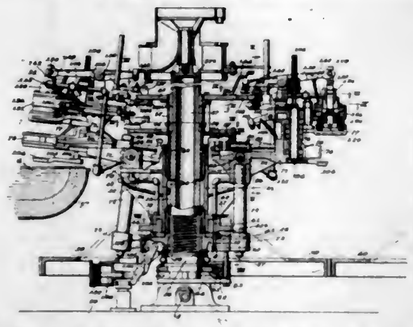
2,191,131
BACKLASH ELIMINATOR
Mario E. Martellotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application November 30, 1938, Serial No. 243,214
14 Claims. (Cl. 90—22)

1. In a mechanism for effecting movement of a slidable support relative to a fixed support, the combination of a lead screw journaled in the sliding support, an abutment carried by the fixed support, a pair of threaded members mounted on the lead screw in engagement with opposite sides of said abutment, thus creating a pressure on the lead screw, said pressure causing a frictional



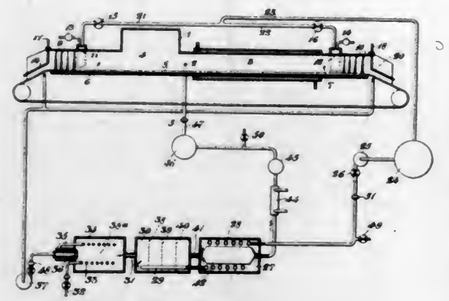
torque upon rotation of the screw with respect to the threaded member acting as driver, and means responsive to variations in said frictional torque to vary automatically and inversely the frictional torque of the other threaded member with respect to the lead screw.

2,191,132
GLASSWARE FORMING MACHINE
Frank O'Neill, Miami Beach, Fla., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 16, 1936, Serial No. 69,070
9 Claims. (Cl. 49—5)



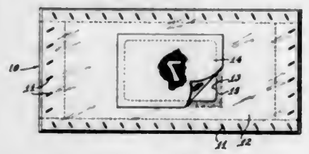
3. In a glassware forming machine, the combination of a rotary blank mold table mounted for movement about a vertical axis, a blank mold carried by said table and mounted for vertical movement thereon, means for rotating the table to thereby move the blank mold through a charging zone at regular time intervals, means including a movable cam section for controlling the vertical position of the mold and causing it to move into and out of charging contact with a supply body of molten glass in said zone, automatic means actuated by a predetermined increase in the load on the table rotating means for moving the cam to a position in which it prevents contact between the mold and supply body of glass, said last named means including a fluid operated piston motor, a plurality of pivoted links operatively connecting the motor and cam, a finger forming a part of one link and a stop positioned to engage and limit movement of the finger in one direction.

2,191,133
APPARATUS FOR HEAT TREATING
John Lindon Pearson, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Original application December 5, 1934, Serial No. 756,185. Divided and this application July 15, 1938, Serial No. 219,450. In Great Britain December 8, 1933
15 Claims. (Cl. 266—5)



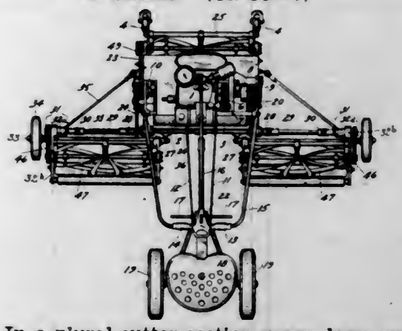
1. Apparatus for the heat treatment of metals in a non-oxidizing protective atmosphere comprising a furnace having a substantially unobstructed heat treatment chamber for articles to be treated, and a closed circulating system connected to said chamber and including means for supplying a non-oxidizing gas to said chamber, means for withdrawing, from said chamber, gas contaminated with free oxygen, means for uniting with said withdrawn gas a supply of reducing gas at least sufficient to combine with the oxygen of the oxygen-carrying withdrawn gas, means outside the heat treatment chamber for heating the mixture thereby produced to bring about a chemical combination of the oxygen and the reducing gas to form a substantially oxygen-free non-oxidizing gas, and means for circulating the resultant oxygen-free non-oxidizing gas back to said chamber.

2,191,134
STENCIL SCREEN CONSTRUCTION
Harry E. Playford and Franklin B. Holliger, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application June 28, 1938, Serial No. 216,255
4 Claims. (Cl. 101—127)



1. A stencil screen unit comprising a screen frame, a membrane extending across the frame and secured thereto, there being an opening in the medial regions of said membrane remote from the frame, and a fragmentary reticulated silk stencil screen of an overall size slightly in excess of the overall size of the opening in the membrane extending across said opening and having its edges secured to the membrane adjacent the edges of said opening.

2,191,135
POWER MOWER
Lester B. Roth, Prophetstown, Ill., assignor to Eclipse Lawn Mower Company, Prophetstown, Ill., a corporation of Illinois
Application July 19, 1937, Serial No. 154,435
6 Claims. (Cl. 56—7)



1. In a plural cutter section power lawn mower; a pair of rollers for supporting and propelling the mower; a frame supported in part by the rollers; a motor on the frame for driving the rollers; and a pair of transversely spaced, substantally aligned cutter units hitched to the frame, each having a supporting shaft, supported at one end by a wheel and at its other end by a pivot connection to the frame.

2,191,136
SOLVENT AND PROCESS FOR DEWAXING MINERAL OILS
Sijbren Tijmstra, Berkeley, and Donald S. McKittrick, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 17, 1934, Serial No. 735,626
7 Claims. (Cl. 196—18)

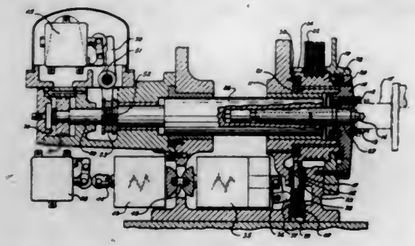
1. A selective solvent dewaxing mixture for petroleum oil comprising furfural and a secondary or tertiary alcohol containing more than three and less than seven carbon atoms, said alcohol being present in an amount sufficient to prevent the separation of free oil from an oil-solvent mixture formed by adding an effective quantity of said dewaxing mixture to said petroleum oil when said oil-solvent mixture is chilled to a temperature at which the wax is precipitated therefrom.

5. The process of dewaxing mineral lubricating oils which comprises mixing said oil with furfural and a butyl alcohol of the group: secondary and tertiary butyl alcohol, chilling said mixture to precipitate wax, and removing the precipitated wax from the oil-solvent mixture.

2,191,137
HEADSTOCK POSITIONING MECHANISM
Winthrop Trible, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application October 20, 1937, Serial No. 170,067
9 Claims. (Cl. 82—28)

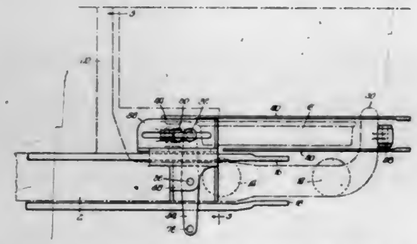
1. In a machine tool having a headstock and a work loading mechanism for moving a work piece into co-axial alignment with said headstock, said headstock having a work supporting center and work driving pins and means for inserting said center and pins in the end of a work piece, the combination with an electric motor for

driving said pins, of an electrical control circuit for said motor, including a starting push button switch and interlock switches associated with said work loading means and said inserting



means to prevent starting of said motor until a work piece has been positioned in axial alignment with said headstock and the center and driving pins have been inserted in the work.

2,191,138
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 16, 1937, Serial No. 180,053
26 Claims. (Cl. 188—56)

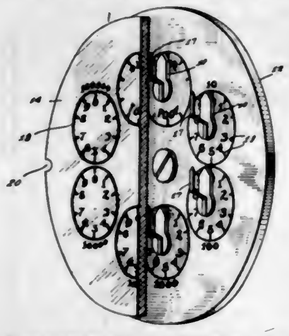


1. In a railway truck a frame having a side member, double acting power means thereon, supporting wheel and axle assemblies, and braking means associated with the wheels adjacent said member, each of said braking means comprising live and dead truck levers supported on opposite sides of the wheel, and operative connections between the opposite ends of said power means and said braking means respectively, each of said connections comprising a dead cylinder lever fulcrumed from said frame intermediate its ends, a horizontal dead lever connected at its inner end to said braking means and at its outer end to a cylinder lever, and hand brake connections comprising flexible means connected to one of said cylinder levers and to one of said live truck levers.

2,191,139
SUPPOSITORY
Francis E. Bibbins, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application March 14, 1938, Serial No. 195,818
4 Claims. (Cl. 167—64)

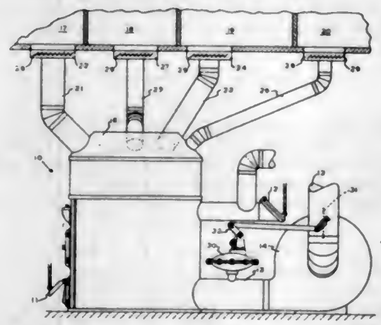
1. A suppository base, consisting of a mixture of oleaginous material which has a melting point between body temperature and 120° F., and a comminuted hydrophilic material which expands on contact with water and has sufficiently slight adhesive properties to avoid interference with sluffing off of such material from the surface.

2,191,140
REGISTERING MECHANISM
John L. Ford, Wabash, Ind., assignor to The Ford Meter Box Company, Wabash, Ind., a corporation of Indiana
Application July 19, 1937, Serial No. 154,363
2 Claims. (Cl. 116—129)



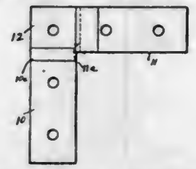
2. In a registering mechanism having a dial plate and a main indicating hand rotatable thereover, an auxiliary hand rotatable with said main hand and in line therewith, and a cover glass for said dial plate, said auxiliary hand being arranged to bear yieldingly against said cover glass.

2,191,141
HEATING APPARATUS
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 18, 1934, Serial No. 707,080
8 Claims. (Cl. 98—33)



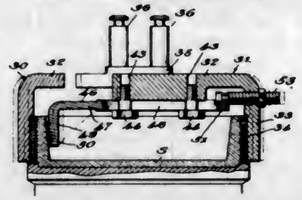
1. A distribution system for circulating fluid, comprising, in combination, a chamber, means for conveying the fluid from said chamber to a plurality of points of use of different requirements in volume per unit of time, means located on the upstream side of said points of use for circulating the fluid from said chamber through said conveying means and to said points of use, means for at least partially blocking off the flow of fluid to one of said points of use and through corresponding parts of said conveying means, and means to automatically maintain a constant fluid pressure on said conveying means including a device constantly responsive to the pressure produced by said circulating means on its downstream side but ahead of said points of use.

2,191,142
TANK PACKING
Clarence E. Greening, Houston, Tex., assignor of one-half to Adrian Bailey, Harris County, Tex.
Application December 15, 1938, Serial No. 245,824
2 Claims. (Cl. 288—33)



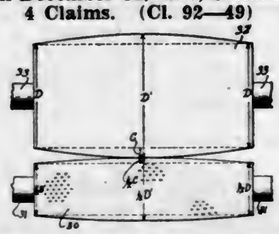
1. A packing gasket having wings joined together at one end and whose other ends extend out at an approximately right angle to each other and are tapered toward their free ends, one of said wings having a transverse rib and the other wing having a transverse groove on the same side of the gasket as the rib.

2,191,143
GLASS HANDLING APPARATUS
Earl Hiatt and John J. Macken, Muncie, Ind., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application February 3, 1939, Serial No. 254,450
6 Claims. (Cl. 294—88)



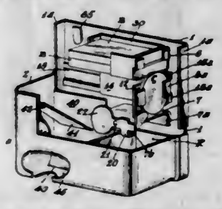
1. The combination with a pair of jaw supports movable toward and away from each other, of an outer jaw member including a jaw secured to each support and movable in unison therewith, and an inner jaw member including a jaw secured to each outer jaw member and movable in unison therewith, the jaw of each inner jaw member being in opposed gripping relation to the jaw of the outer jaw member to which the other inner jaw member is secured.

2,191,144
PRESS ROLL
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application December 31, 1937, Serial No. 182,926
4 Claims. (Cl. 92—49)



1. A press roll assembly for paper making machines comprising a plurality of rolls in peripheral pressure relation, each roll of said assembly being crowned to offset against deflection and the crowning of said rolls being directly proportional to the respective diameters of the rolls.

2,191,145
COIN-CONTROLLED VENDING MACHINE
Theodore Jelenk, Brooklyn, N. Y., assignor to Ruth Jelenk, Brooklyn, N. Y.
Application November 19, 1937, Serial No. 175,360
3 Claims. (Cl. 194—27)

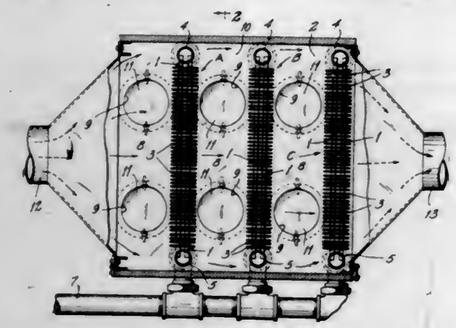


3. A coin-operated vending machine comprising a casing, a supply chute, located in said casing and adapted to hold a supply of the articles to be vended in superposed relation, said supply chute having a bottom which has a slot, said casing having an opening in its wall for admitting the coin, a main coin-chute located within said casing and adapted to guide the coin, a slide located below the exit end of said coin-chute, a supplemental coin-chute located on said slide and adapted to receive the coin from said main coin-chute when said slide is in initial position, an abutment connected to said casing and located to support the coin when it is located in said supplemental coin-chute with a portion of the coin aligned with said slot, said slide being mounted to move in a direction parallel to said slot so that the coin can push the bottom article in said supply chute, said supply chute having an opening in its wall through which the coin can eject the bottom article when the slide is actuated, a latch pivotally mounted in said casing independently of said slide and located and shaped to hold the slide in said initial position, said latch having a portion thereof located beneath the exit end of the supplemental coin-chute when the slide is in its initial position, said latch being biased so that said portion thereof is normally located above the abutment to be depressed by the coin which is located in said supplemental coin-chute, the weight of said coin being adapted to move the latch to its inoperative position so that said latch then releases said slide, said abutment being shaped to permit the coin to drop off the same when the slide has been moved a predetermined distance to eject the bottom article of said supply chute.

2,191,146
RADIATOR FOR HEATING A FORCED DRAFT OF AIR
John E. Mitchell, Dallas, Tex.; John E. Mitchell, Jr., Orville Mitchell, and Donald Mitchell, executors of said John E. Mitchell, deceased
Application January 24, 1939, Serial No. 252,613
2 Claims. (Cl. 257—136)

1. A radiator for use in cotton gins for heating a forced draft of air carrying lint comprising a casing having a front inlet for the air and a rear outlet for the heated air, and independent heating units mounted in said casing in the path of the air current and spaced apart front to rear of the casing to provide transverse intervening working spaces, each of said units having radiating plates extending transversely of the casing, and the side walls of said casing next to which

the radiating plates terminate having an opening at each end of a working space adjacent



said heating units to give access to said spaces for cleaning the radiating plates, and a removable closure for each opening.

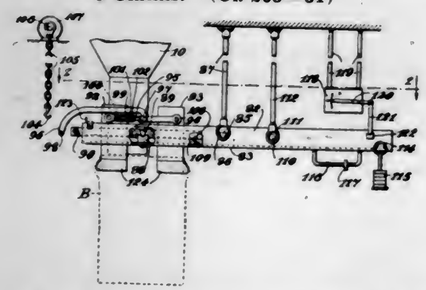
2,191,147

BAG FILLING AND WEIGHING DEVICE

Jacob J. Neuman, Jamaica, and Harry G. Neuman, Yorktown Heights, N. Y., assignors to United States Patent Development and Royalty Company, South Salem, N. Y., a corporation of New York

Original application August 5, 1937, Serial No. 157,480. Divided and this application December 23, 1937, Serial No. 181,327

8 Claims. (Cl. 265—51)



1. A bag filling machine comprising a frame having a bar, a filling means carried by said frame, knife edge means engageable with said frame for supporting said frame for vertical swinging movement, a weight determining means carried by said frame, a second normally disengaged supporting means engageable with said frame, and shaking means including a hook and an eccentrically mounted chain engageable with said bar upon vertical movement of said frame and bar sufficient to disengage said frame from said knife edge means and to move said frame into engagement with said second supporting means.

2,191,148

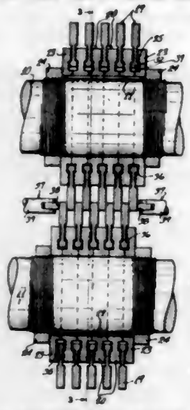
APPARATUS FOR CUTTING SHEET MATERIAL

Albert C. Perbal, St. Louis, Mo., assignor of one-half to Lawrence H. Cohn, St. Louis, Mo.

Application January 20, 1939, Serial No. 251,870

18 Claims. (Cl. 164—60)

1. In a machine for cutting sheet material, a rotatable shaft, an annular cutting disc loosely disposed on said shaft, and a disc-retaining member fixed to the shaft, adapted to impart shaft rotation to the disc, said member having



a cage portion in loose, environing relation to an inner peripheral portion of said disc.

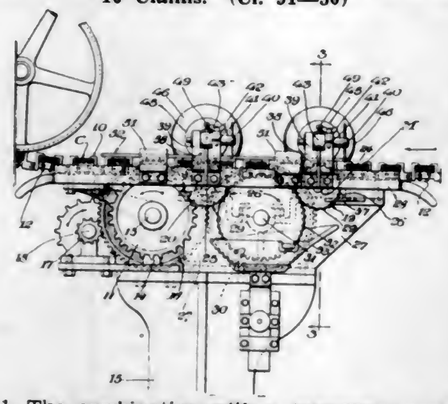
2,191,149

MEANS FOR APPLYING MATCH IGNITION MATERIAL TO BOOK MATCHES, ETC.

Charles F. Wright, Akron, Ohio, assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware

Application November 29, 1938, Serial No. 242,941

10 Claims. (Cl. 91—50)



1. The combination with a travelling carrier for a succession of match books having end folded cover portions, of means for applying ignition material to a surface of each folded portion, said means comprising an element constructed and arranged to apply spaced narrow stripes of material to said surface and an element constructed and arranged to apply to said surface an intermediate stripe merging with the narrow stripes, means for supplying ignition material to said elements, and means for actuating said elements in timed relation to the carrier.

2,191,150

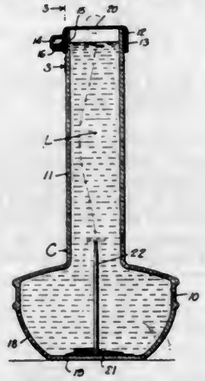
GAME DEVICE

Lambert W. Abell, Los Angeles, Calif.

Application February 17, 1937, Serial No. 126,234

2 Claims. (Cl. 273—138)

1. A game device comprising a container having a base portion and a transparent tubular portion rising therefrom; a body of liquid providing a liquid column in said tubular portion; said tubular portion having an opening for the deposit of a playing piece into the liquid; and a vertical



peg in the liquid to which a player endeavors to direct the playing piece by manipulation of the container.

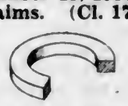
2,191,151

MAGNETIC CORE WITH CONSTANT PERMEABILITY

Stuart G. Hale and Conrad D. Owens, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 13, 1936, Serial No. 110,594

3 Claims. (Cl. 175—21)



2. A temperature compensated and compressed magnetic core consisting of finely divided magnetic particles of a single alloy comprising nickel and iron in which the nickel content is more than 80 per cent of the nickel iron content, a layer of insulating material surrounding each of said particles and substantially insulating each particle from every other particle, said insulated particles normally having a permeability which increases with increase of temperature over the range from 50° F. to 90° F., and a temperature stabilizing material dispersed between said insulated particles consisting of a magnetically inert substance differing in composition from said insulating material and having a thermal coefficient of expansion considerably higher than said magnetic particles, the exact proportion of stabilizing material to magnetic material in the core being so chosen that the resulting core has a substantially constant permeability over said temperature range.

2,191,152

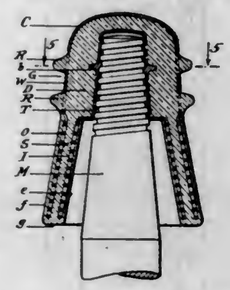
ELECTRICAL INSULATOR

Victor Frank Hammel, Richmond Hill, N. Y.

Original application August 31, 1934, Serial No. 742,313. Divided and this application June 25, 1935, Serial No. 28,284

10 Claims. (Cl. 174—140)

5. Means for supporting outdoor electrical conductors, comprising an electrical insulator including an imperforate insulating member of glass having a bore faced with a thin-walled, preformed metal member for mounting on a support, a portion of said metal member including its outer surface being permanently embedded directly in the glass and anchored therein, said metal member being of such thickness and material as intimately to engage the glass member without fracture thereof, said insulating member extending beyond said metal member to form a skirt of extended surface leakage path.



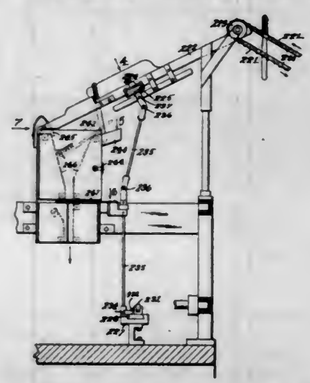
2,191,153

FEED DEVICE

Edward F. Harmon, Flushing, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Original application December 13, 1935, Serial No. 54,301. Divided and this application January 24, 1938, Serial No. 186,620

6 Claims. (Cl. 198—26)



6. The combination with a pair of rails in inclined position, of means for introducing brushes with the handles depending between the rails and the bristles supporting the brushes on the rails, a vertical rod oscillatable on its own axis, a pair of stops extending in between the rails from the same side, and means connected with said rod for oscillating said stops alternately to stop the line of brushes down the rails and separate them.

2,191,154

SAFETY DEVICE FOR DISPENSING PUMPS

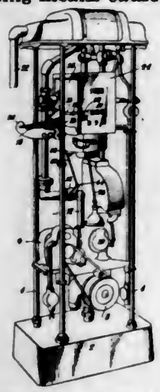
Charles S. Hazard, New York, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey

Application September 9, 1937, Serial No. 163,025

20 Claims. (Cl. 221—95)

1. In combination with a liquid dispensing device having a meter, means for establishing flow of liquid through said meter and a register responsive to operation of said meter, means releasably connecting said meter and said register,

and means responsive to a releasing movement of said connecting means caused by an abnormal



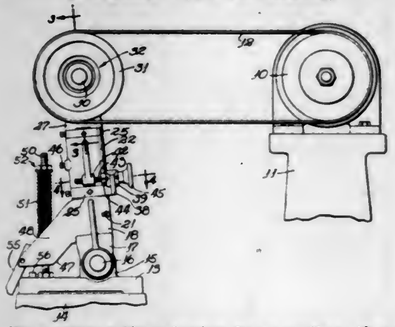
resistance to operation of said register for controlling operation of said flow establishing means.

2,191,155
PULLEY SUPPORTING DEVICE

Carl Lawrence Mattison, Rockford, Ill., assignor to Mattison Machine Works, Rockford, Ill., a corporation of Illinois

Application January 9, 1939, Serial No. 249,991

6 Claims. (Cl. 74—242.15)



1. In a supporting device for a pulley, the combination of a pulley, means for supporting said pulley in operatively spaced relation to a cooperating rotatable element and including a member adjustable about an axis, said pulley being located on the line of said axis and connected with said member for movement therewith to various positions of adjustment.

2,191,156
REACTION ON CARBONACEOUS MATERIALS WITH HYDROGENATING GASES

Mathias Pier, Heidelberg, and Walter Simon and Walter Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

No Drawing. Original application March 1, 1933, Serial No. 659,168. Divided and this application October 6, 1937, Serial No. 167,555. In Germany March 9, 1932

5 Claims. (Cl. 196—53)

1. A process for the production of valuable hydrocarbons by treatment of distillable carbonaceous materials containing compounds having a basic reaction with an excess of free hydrogen at a temperature between 250° and 700° C. and under a pressure of at least 50 atmospheres and in the presence of a non-basic catalyst the step of adding to the said initial materials before or during the said treatment an acidic substance other than the catalyst selected from the group consisting of acids and acid salts in such an amount that at least 80 per cent of the said compounds are neutralized.

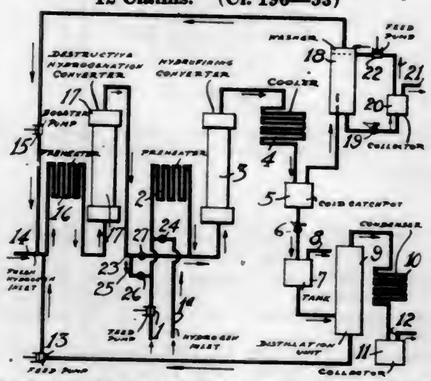
2,191,157
PRODUCTION OF LOWER BOILING HYDROCARBONS FROM HEAVY HYDROCARBONS

Mathias Pier, Heidelberg, and Walter Simon and Walter Berger, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

Application October 23, 1937, Serial No. 170,532

In Germany October 23, 1936

12 Claims. (Cl. 196—53)



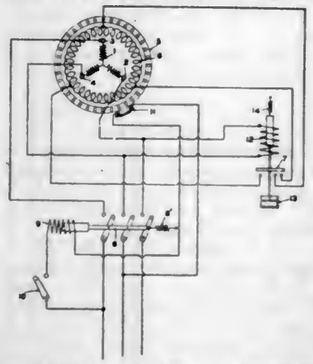
1. A process for the production of lower boiling hydrocarbons from crude liquid or fusible heavy or medium heavy hydrocarbon materials, which comprises subjecting the said materials in a first stage to catalytic hydrofining, separating the lower boiling constituents and hydrogenating gas from the resulting products, subjecting the higher boiling constituents of the previously hydrofined product in a second stage to a splitting destructive hydrogenation and recycling substantially the entire reaction mixture obtained in the second stage to the first stage.

2,191,158
CONTROL SYSTEM FOR POLYPHASE MOTORS

Charles P. Potter, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application July 8, 1938, Serial No. 218,054

2 Claims. (Cl. 172—274)



1. In combination with a polyphase motor pro-

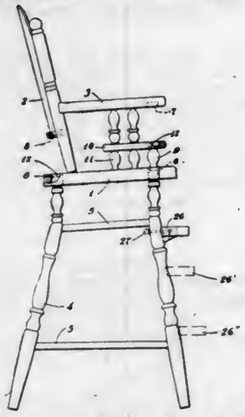
vided with a stationary induced member having a polyphase winding inoperative at starting and a high resistance winding short-circuited along a plurality of axes, supply switch control means comprising a supply control circuit embodying a normally closed switch having an actuating element responsive to the temperature of the high resistance winding and a solenoid for holding the supply switch in closed position, and time delay switch means controlled by the supply switch and adapted to render the polyphase winding on the induced member operative after a predetermined interval following the closing of the line supply switch, said last named switch being released to assume open position when the line switch is opened.

2,191,159
CHAIR

Donald W. Robertson, Oakmont, Pa., assignor to L. H. Stewart Company, Ramsey, N. J., a partnership consisting of Le Roy H. Stewart and Donald W. Robertson

Application March 27, 1937, Serial No. 133,353

6 Claims. (Cl. 155—38)



4. A chair comprising legs and a unitary seat structure embodying a seat, back and arms, said seat structure having a slidable engagement with said legs to permit raising and lowering of said seat structure, said arms and back having recesses in their under sides and lower edge respectively, said recesses adapted to receive the upper ends of said legs when the seat structure is lowered.

2,191,160
DICE BOX

Robert S. Robinson, Chicago, Ill.

Application January 31, 1938, Serial No. 187,799

1 Claim. (Cl. 273—145)



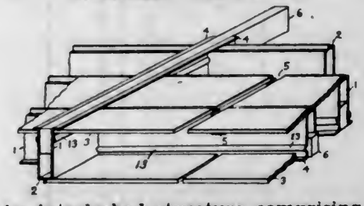
A dice box comprising a bottom, a continuous side wall having one end thereof connected to the bottom and its other end open and forming with said bottom an open ended compartment for shaking dice, a plurality of closely spaced, relatively short, flexible projections positioned circumferentially of the open end of said compartment and extending from said side wall interiorly of said open end for frictionally engaging portions of the dice when they are cast from the compartment thereby resulting in a random motion and course of the dice.

2,191,161
INTERLOCKED STRUCTURE

Hippolyte W. Romanoff, New York, N. Y.

Application February 4, 1939, Serial No. 254,641

10 Claims. (Cl. 189—34)



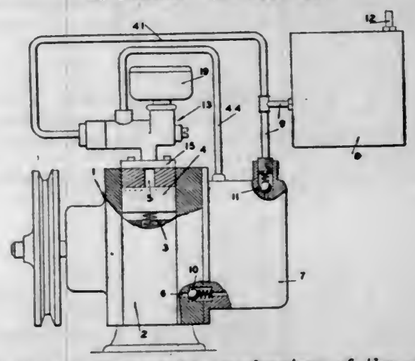
1. An interlocked structure comprising a plurality of U-shaped beams undercut at spaced intervals by slots having width of the beams, the beams being joined together at right angles to each other by interlocking the undercut portions thereby forming a plurality of rectangular cells, and means to press the sides of one beam against the abutting edges of the transverse beams.

2,191,162
COMPRESSOR SHUT-OFF VALVE MECHANISM

Steve Schnell, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application July 5, 1938, Serial No. 217,488

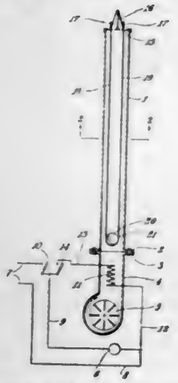
13 Claims. (Cl. 230—30)



1. In a unitary valve mechanism of the class described for association with the intake of a compressor and the fluid pressure receiver therefor, a casing having a port for communication with the compressor intake, a movable member reciprocable in said casing and adapted to be acted upon by fluid pressure from the receiver for closing the port, a spring for biasing the member to open position and preventing movement of the member to closed position except when acted upon by a predetermined pressure, means comprising the movable member and a portion of the casing within which it reciprocates

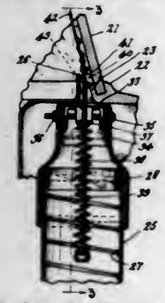
for forming a chamber, conduit means in the casing for connecting the chamber to the receiver, means including a passage for connecting the chamber to atmosphere independently of the conduit means, a valve for controlling said passage, and means operable by pressure from the receiver for closing said last named valve.

2,191,163
FILM DRIER
Rudolph Simmon, Long Island City, N. Y.
Application February 7, 1938, Serial No. 189,123
1 Claim. (Cl. 34—26)



A film drier comprising a vertical elongated casing open at its lower end approximately circular in cross section, means for introducing a flow of air into said end, an opening at the upper end of said casing, a stationary holder for film at said upper end whereby said film is caused to hang in said casing, said holder having means for gripping both ends of a strip of film, a weight inserted in the loop at the lower end of said film, the diameter of said casing being slightly larger than the width of said film to provide a restricted cross section of casing for minimizing the amount of air flowing therethrough and to prevent the face of said film from touching the wall of said casing.

2,191,164
WINDSHIELD CONDUIT
Eric A. Westling, Omaha, Nebr., assignor to Jubilee Manufacturing Co., Omaha, Nebr., a corporation of Nebraska
Application June 29, 1938, Serial No. 216,600
2 Claims. (Cl. 20—40.5)



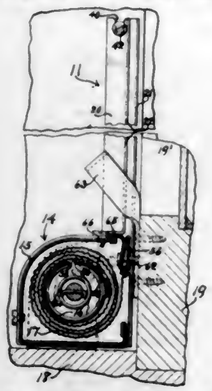
2. A conduit for heating automobile windshields comprising a flexible body portion having a flexible mouth section flaring from the end thereof, a reinforcing ring mounted in the outer end of the mouth section for holding said mouth open, a cross piece secured to said ring within the enlarged end of the mouth section, a bar slidably disposed through the cross piece, an expanding spring mounted on the bar with one end connected to the bar and the other end bearing against said cross piece to normally urge the bar inwardly relative to the conduit, said bar adapted to be threaded upwardly through the cowl opening of a windshield and to be drawn up through the opening to compress said spring and yieldingly bind the mouth section against the underside of the cowl, the upper end of said bar adapted to be overturned upon the cowl for holding the bar and the mouth piece under compression.

2,191,165
SMOKING PIPE
John M. Boscardin, Hartford, Conn.
Application July 15, 1938, Serial No. 219,506
7 Claims. (Cl. 131—224)



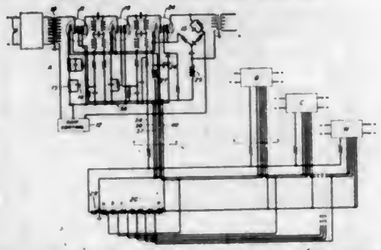
1. A smoker's accessory for insertion in the bottom of a pipe bowl, comprising a substantially spherical member having a rigid outer crust and passage forming means therein forming passages of predetermined size and direction, some of said passages being located transversely to others so that in whatever position the member is placed within the bowl there will be communication for smoke between the bowl and the pipe stem.

2,191,166
WINDOW SCREENING DEVICE
Werner Dollstedt, Chicago, Ill., and Carl Dollstedt, Gary, Ind.
Application September 26, 1938, Serial No. 231,730
3 Claims. (Cl. 156—39)



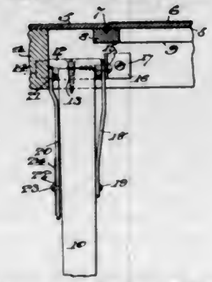
1. In combination with a window frame and sash having securing elements attached to the jambs of the frame and headed elements to the end bar of the sash, a screening device comprising a pair of screen guiding members each having an upper and a lower opening to be readily attachable to and detachable from said securing elements on the jambs by tilting and sliding said members, each member including an integral plate with an opening providing a bracket at one end, and a mechanism arranged to be readily mounted as a unit between said brackets to hold the entire device in its operative position and to be readily removed therefrom, said mechanism including a casing having a roller and screen therein provided with an attaching strip secured to its outer end, hooks on said attaching strip which engage in openings on the casing to secure said end thereon when the sash is closed, said strip being provided with keyhole slots which automatically engage said headed elements on the sash by the act of setting the mechanism in position between said brackets, so that the screen is operated but the hooks are released from the casing when the sash is operated, and the strip is automatically released from said headed elements as the mechanism is withdrawn from the brackets.

2,191,167
AMPLIFIER
James O. Edson, Great Kills, and Ira G. Wilson, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1936, Serial No. 82,156
4 Claims. (Cl. 179—171)



2. In combination, a plurality of amplifiers, each including a stage having an electron discharge device with a cathode, a cathode-heating filament and an anode, a source of heating current for said filament, said source being common to all of the amplifiers and providing a portion of the effective anode potential for said stage, and means for reducing cross-talk between said amplifiers through said common source, said means including an inductive impedance connected between each cathode and the low potential terminal of said source.

2,191,168
TABLE STRUCTURE AND METHOD OF PRODUCING THE SAME
William Hanley, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a corporation of New Jersey
Application June 4, 1938, Serial No. 211,723
3 Claims. (Cl. 311—106)



2. A table top comprising, a relatively thin slab, a relatively thick reinforcing frame secured to the under side of the slab within and substantially parallel to its edges, a groove formed through the slab and into the said frame, and a flexible covering laid upon the slab with its edges passing through the groove in the slab and entering and being secured in the groove in the said frame.

2,191,169
MEN'S SHORTS
David W. Katz, New York, N. Y.
Application September 26, 1938, Serial No. 231,641
1 Claim. (Cl. 2—224)

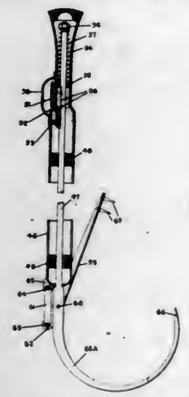


A pair of loose-fitting men's shorts of fly-front construction comprising two leg portions and a middle piece, the leg portions having bottom edges positioned below the level of the lowermost point of the fly, the middle piece extending downwardly along the rear of the garment to substantially the level of said bottom edges and continuing uninterruptedly forwardly and upwardly to form a substantially T-shaped juncture with the bottom extremity of the fly, the width of the upwardly extending portion of the middle piece being sufficient to form a roomy pouch-like region at the front of the garment below the fly, each of said leg portions comprising an upper edge, a substantially vertical fly edge extending down from said upper edge, a recessed portion of curved configuration thereunder and extending first inwardly from said fly edge substantially horizontally and then gradually curving downwardly and outwardly, a bottom short edge below said recessed portion, an oppositely positioned short edge attached to said first-mentioned bottom short edge, a lowermost horizontal edge joining said short edges and forming the bottom periphery of the leg portion, said lowermost edge being of greater length than said upper edge, and a diagonal edge joining the juncture of said short edges and said upper edge; and said middle portion comprising two substantially parallel vertical edges and a front and rear edge, the said parallel edges being joined to the corresponding diagonal edges of the said leg portions and extending into and being joined to the said recessed portions, the said front edge of the middle portion being joined to the inwardly extending horizontal edges of the said recessed portions of the leg portions to form the said T-shaped juncture with the bottom extremity of the fly.

2,191,170
AUTOMATIC GAFF HOOK
William R. Keehn, Marysville, and John A. Doerfer, Bellingham, Wash.
Application April 26, 1938, Serial No. 204,344
3 Claims. (Cl. 43—5)

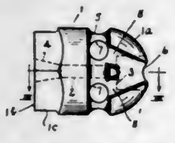
1. In a device of the class described, the combination of a tube, a shaft disposed longitudinally of the tube and disposed coaxially with the tube, a gaff hook formed integral with the shaft as disposed at the outer end of the shaft and tube, bearing blocks disposed within the tube and adapted for acting as bearing for the shaft and for maintaining the shaft coaxial with the tube, a locking jaw disposed at the base end of the tube, said locking jaw being adapted for actuation by the shaft disposed longitudinally of the tube, means for normally maintaining the locking jaw and the gaff hook spaced apart, a handle dis-

posed adjacent the top end of the tube, a locking pawl associated with the handle and adapted for coacting with the shaft and for maintaining the shaft in fixed placement relative to its movement in one direction, a trigger associated with



the locking pawl and adapted for releasing the locking pawl from locking engagement with the shaft when the locking pawl is manually manipulated, and a spring disposed in the handle for manually maintaining the shaft disposed in the tube in a retracted position.

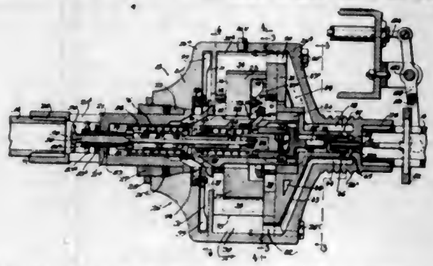
2,191,171
INSULATOR
Leffman H. Lee, Bellevue, and James M. Guthrie, Pittsburgh, Pa., assignors to Line Material Company, a corporation of Delaware
Application August 28, 1937, Serial No. 161,406
3 Claims. (Cl. 174—166)



2. An insulator comprising a body of insulating material including a head and a base, a circumferential groove formed in said body, a pair of wire-receiving passages extending transversely through said body and opening at their opposite ends in said circumferential groove, and the side of said head being recessed to provide wire-positioning grooves extending angularly to one another and merging to form a single groove extending transversely in the top of said head.

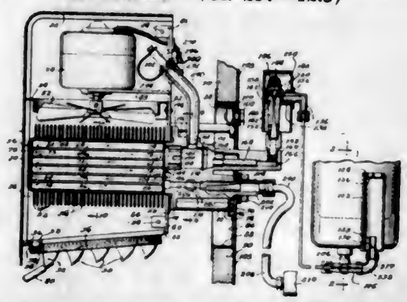
2,191,172
MEANS OF TRANSMISSION OF POWER
Anthony Lisowski, Chicago, Ill.
Application March 28, 1938, Serial No. 198,451
13 Claims. (Cl. 192—58)

1. In a device of the character described including a rotatable member driven by a prime mover, a casing enclosing said rotatable member, said rotatable member being triangularly shaped and adapted to contact the inner surface of said casing at three points, a sealing member reciprocably mounted in said casing and adapted to contact said rotatable member, an hydraulic fluid adapted to be actuated by said rotatable member to drive said casing, a valve for controlling the flow of said fluid, said valve adapted to be operated by the speed of rotation of said rotatable member to progressively close said valve to cause



said casing to progressively increase its rotational speed.

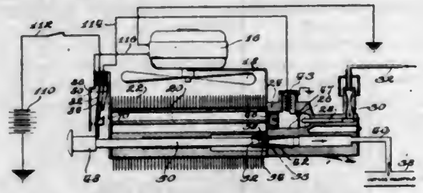
2,191,173
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application January 28, 1936, Serial No. 61,213
16 Claims. (Cl. 237—12.3)



11. In an automotive vehicle having a passenger compartment and an engine compartment, an internal combustion engine in said engine compartment and having an intake manifold in which a partial vacuum exists while the engine is running, and a liquid fuel supply, an internal combustion heater for said passenger compartment, said heater comprising a heat radiator having a passageway extending therethrough, a motor driven fan for circulating air from the passenger compartment past said radiator, a carbureting device connected to receive fuel from said supply, a combustion chamber connected to receive a mixture of said fuel and air from said carburetor, means for conducting the gases of combustion from said combustion chamber to said radiator, a conduit connecting said radiator with the intake manifold of the engine, a valve for controlling the flow of said mixture and gases through said carbureting device and said radiator, and restriction means in said conduit for compensating for variations in the degree of vacuum present in said intake manifold, whereby the volume of gas drawn through said carburetor, said combustion chamber, and said radiator will be substantially constant irrespective of wide variations in the degree of vacuum in the intake manifold.

14. In a heater for an automotive vehicle driven by an internal combustion engine controlled by a throttle valve, the combination of a combustion chamber, means for supplying a combustible mixture of air and liquid fuel to said combustion chamber, and means for drawing the combustible mixture into and through said combustion chamber, said means comprising a branched conduit having a pair of branches, one connected to the throttle valve bore of the automobile engine at the intake manifold side of the throttle valve and the other connected to said bore at the carburetor side of the throttle valve, a discharge passageway connecting the other ends of said branches to said combustion chamber, the first of said branches having a flow controlling restriction therein, and an outwardly opening check valve in the other of said branches, whereby the gases of combustion will be drawn from said combustion chamber mainly through the branch which is subjected to the greatest vacuum.

2,191,174
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application January 14, 1937, Serial No. 120,523
28 Claims. (Cl. 237—12.3)

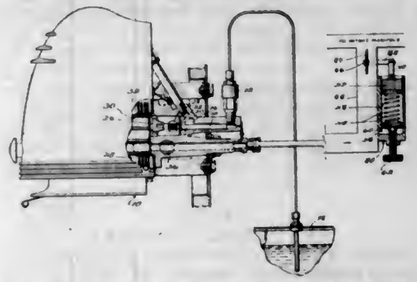


8. An automobile heater of the internal combustion type comprising, a combustion chamber, means for supplying a mixture of fuel and air to said chamber, an electrical igniter for igniting the mixture in said chamber, a radiator connected to said chamber, means to draw the products of combustion from said chamber through said radiator, a fan for circulating air from the passenger compartment of the automobile past said radiator, a motor for driving said fan, a source of electrical energy, and means to control the operation of the heater comprising, a control handle, a valve operated by said handle to control the flow of gases through said radiator, a movable contact member connected to said source, a second movable contact member connected to said igniter, a fixed contact connected to said fan motor, means to move said source contact member into contact with said igniter contact member upon movement of said handle to valve opening position, and automatically operable means for moving said source contact into engagement with said fan motor contact after normal operation of the heater has been attained.

16. In an internal combustion type heater, the combination of a combustion chamber, means to supply a combustible mixture of liquid fuel and air to said combustion chamber, a radiator connected to said combustion chamber to receive the hot gases of combustion therefrom, means to connect the outlet of the radiator to the intake manifold of the automobile engine, an electric igniter for igniting the fuel in said combustion chamber, a fan for circulating air past said radiator, a motor for driving said fan, a valve for controlling the flow of gases through said combustion chamber, a source of current for said motor and for said igniter, manually operable means to open and close said valve, and means rendered operative upon opening said valve successively to connect said igniter to said source, to connect said fan motor to said source, and to disconnect said igniter from said source.

20. In an automobile heater, the combination of a combustion chamber, means to supply fuel thereto, a radiator having a passageway connected to said combustion chamber to receive the products of combustion therefrom, suction means to draw the products of combustion through said radiator, and means to control the flow of the products of combustion through said radiator, said means comprising a valve seat having an orifice extending therethrough, said valve seat being located adjacent the outlet end of said passageway through said radiator, a valve engageable with said seat, said valve being reciprocable toward and away from said seat by translatory movement, and flow control means on said valve projecting into said orifice when said valve is closed, said flow control means having a portion of diameter slightly less than that of said orifice, thereby to clear said orifice of foreign particles whenever said valve is moved to closed position; and manually operable means selectively to move said valve and flow control means from closed position to a position in which said valve is open and said flow control means restricts the flow through said orifice or to a position in which neither said valve nor said flow control means restricts the flow through said orifice.

2,191,175
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application April 6, 1938, Serial No. 200,312
2 Claims. (Cl. 237—12.3)

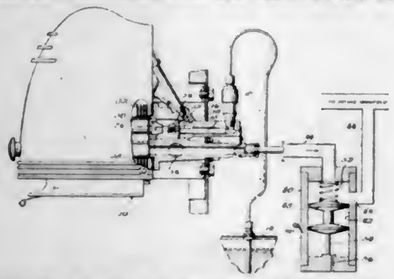


2. In an automobile heater of the class described which utilizes vacuum developed in the intake manifold of the automobile engine, the combination comprising, means providing a combustion chamber, means for feeding fuel to the combustion chamber, a conduit connecting the combustion chamber to the intake manifold to effect a reduction of pressure within the combustion chamber, a valve for shutting off the conduit, and means for compensating for variations in pressure in the intake manifold, the last mentioned means comprising a valve in said conduit, a casing providing a cylinder open at one end and having an opening therein near the other end, means connecting the said opening in the casing to the conduit intermediate the said valve and the combustion chamber, a piston slidable in the cylinder and disposed between the open end thereof and said opening in the casing so as to be exposed to atmospheric pressure on one side and to pressure within a portion of the conduit on the other side, a spring biasing the piston toward the open end of the casing, and a link connecting the piston to the valve in the conduit so that the valve is moved responsive to movements of the piston.

2,191,176
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application April 6, 1938, Serial No. 200,313
3 Claims. (Cl. 237—12.3)

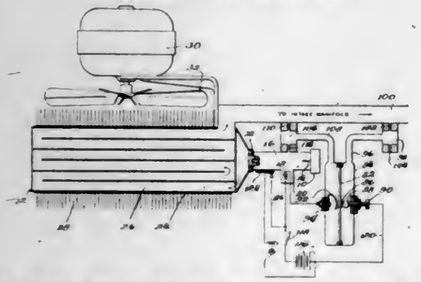
1. In a heater for automobiles which utilizes vacuum developed in the intake manifold of the

automobile engine, the combination comprising, means providing a combustion chamber, fuel input means communicating with the combustion chamber for feeding fuel thereto, means providing a communicating connection between the combustion chamber and said intake manifold to reduce the pressure within the combustion chamber, and means included in the last mentioned means for automatically regulating the reduction of pressure in the combustion chamber to compensate for variations in pressure in the intake manifold, the last mentioned means



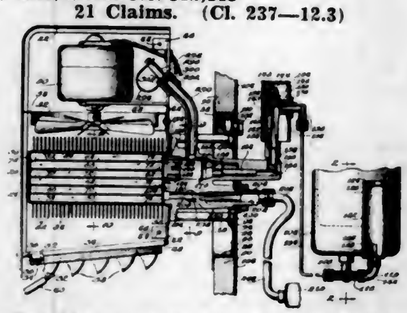
comprising a casing providing a cylinder and having spaced openings therein which form a part of said communicating connection between the intake manifold and combustion chamber, a spool-like valve member having a center portion of reduced section and end flanges slidable within the cylinder, one of said end flanges variably restricting communication between the spaced openings, said casing having a port therein exposing the other of said end flanges to atmospheric pressure, and a spring urging the valve member away from the said spaced openings.

2,191,177
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Original application January 28, 1936, Serial No. 61,213. Divided and this application April 6, 1938, Serial No. 200,314
5 Claims. (Cl. 237—12.3)



2. In a heater for an automotive vehicle having an internal combustion engine, the combination of a combustion chamber, means to supply a mixture of fuel and air to said combustion chamber, a radiator for receiving the products of combustion from said chamber, a connection from said radiator to the intake manifold of the automobile engine to draw the charge of combustible mixture into said combustion chamber and the products of combustion through said radiator, an electrically operated igniter in said combustion chamber, a source of electricity for said igniter, and means for connecting said igniter to said source whenever the degree of vacuum in said intake manifold falls below the minimum required to cause flow of the combustible mixture into said chamber at a sufficiently rapid rate to support a flame therein and to disconnect said igniter from said source when the degree of vacuum exceeds said minimum value, said last named means comprising a casing, a movable wall separating said casing into two compartments, a switch operated by said movable wall, a chamber connected to one of said compartments and having a port communicating with the intake manifold and a port communicating with the atmosphere, a second chamber connected to the other of said compartments and having a port communicating with said combustion chamber and a port communicating with the intake manifold, said combustion chamber connecting port being slightly larger than the port communicating with the atmosphere, whereby the vacuum in said first chamber will be greater than the vacuum in said second chamber except when gases flowing through said combustion chamber connecting port are heated to a temperature resultant from normal combustion in the combustion chamber, said means comprising a pressure operated switch, and means responsive to the temperature of the gases leaving said combustion chamber to control the operation of said switch.

2,191,178
AUTOMOBILE HEATER
Henry J. De N. McCollum, Chicago, Ill.
Original application January 28, 1936, Serial No. 61,213. Divided and this application January 5, 1940, Serial No. 312,445
21 Claims. (Cl. 237—12.3)

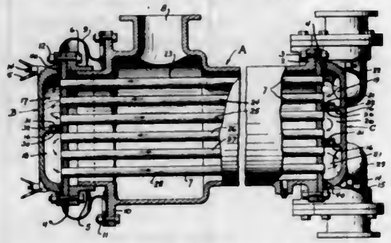


2. In a heater for an automobile having a passenger compartment and an engine compartment separated by a wall, an internal combustion engine having an intake manifold in which the degree of vacuum varies with variations in speed and power output of the engine, said heater comprising a radiator located within the passenger compartment of the vehicle, mounted adjacent said wall and having a passageway extending therethrough, a motor driven fan for circulating air from the passenger compartment of the vehicle downwardly past said radiator, a casing for said radiator, fan, and motor, means for supporting said casing from said wall, a combustion chamber secured to said radiator and casing and having a portion extending through said wall, a carburetor located within the engine compartment and secured to said portion of said combustion chamber, means for supplying the liquid fuel to said carburetor, and valve controlled means for connecting said radiator to the intake manifold of the engine, thereby to draw air and liquid fuel through said carburetor, into said combustion chamber, and to draw the products of combustion from said chamber through said radiator into said intake manifold.

11. In an automobile heater of the internal combustion type, the combination of a heat exchange device having an inlet and an outlet and a circuitous passageway connecting said inlet and said outlet, means for circulating air from the passenger compartment of the automobile over said heat exchange device, a combustion chamber casting having a combustion chamber formed therein, means for supplying a combustible mixture of fuel and air to said combustion chamber, and means for conveying the gases of combustion from said combustion chamber through said circuitous passageway in said heat exchange device, a resistance wire igniter located in a space communicating with said combustion chamber but out of the path of flow of the mixture of fuel and air therethrough, a source of electrical energy, a thermostatically operated switch for controlling the connection of said source to said igniter, and means for securing said thermostatically operated switch in heat conducting relationship with respect to said combustion chamber casting and displaced from the path of the flow of air past said radiator.

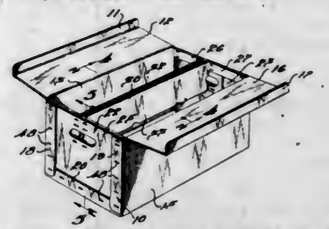
17. Combustion apparatus for internal combustion type heaters, comprising a body having a combustion chamber formed therein, means to draw a combustible mixture into said chamber and to withdraw the products of combustion therefrom, a baffle across the inlet of said chamber, said baffle having ports along its periphery, a reigniter having ports along its perihery and located across the outlet of said chamber, a cup-shaped igniter shell secured in the side of said body and having its interior in free communication with said chamber, said shell having an aperture in its end, a stud extending through said aperture and insulated from said shell, and an igniter comprising a coil of high resistance wire having one end conductively secured to the inner end of said shell and having its other end conductively secured to the inner end of said stud.

2,191,179
SELF-SEATING GASKET
Edward M. O'Donnell, San Francisco, Calif.
Application September 5, 1939, Serial No. 293,411
1 Claim. (Cl. 257—240)



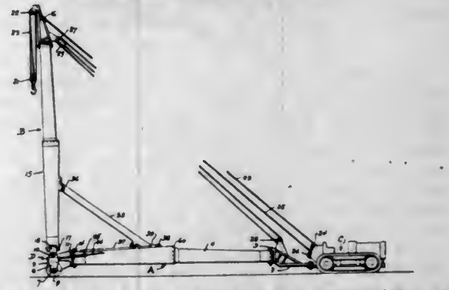
In a heat exchanger of the character described, a body member, a tube sheet secured at one end thereof, a plurality of heat-exchanging tubes secured in the tube sheet, through which a fluid under pressure is circulated, a removable head cooperating with the tube sheet, said head having a partition wall which divides the head into two chambers, said chambers diverting and causing a back-and-forth flow of the fluid through the tubes, and means for preventing leakage under the partition wall from one chamber to the other, said means comprising a bar disposed parallel to the wall and spaced therefrom, and a packing gasket disposed between the wall and the bar, said gasket having one face positioned to engage the tube sheet and the opposite face exposed to the fluid under pressure, so that the pressure exerted thereon will force the gasket against the seat.

2,191,180
CARTON STRUCTURE
Lawrence W. Reaume, Monroe, Mich., assignor to River Raisin Paper Company, Monroe, Mich., a corporation of Michigan
Application March 28, 1938, Serial No. 198,384
3 Claims. (Cl. 229—23)



1. A cardboard carton having side walls, end walls and a bottom wall connected together to form a box structure, top closure members connected to said side walls respectively having flaps along their inner edges, a longitudinally extending partition member connected to said end walls, said partition member being formed of a single sheet of material folded upon itself and so constructed as to provide an upwardly opening pocket longitudinally thereof, said pocket being adapted to receive said flaps to hold said top closure members closed.

2,191,181
PORTABLE COLLAPSIBLE CRANE
Henry D. Rogers, Richmond, Calif.
Application August 15, 1938, Serial No. 224,955
14 Claims. (Cl. 212—140)

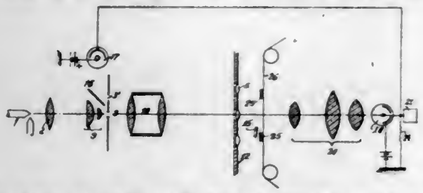


1. A portable collapsible crane comprising a pair of wheel-supported carriages, a base frame supported at its rear end by said carriages, means for attaching and supporting the front end of the base frame to a tractor, a boom frame supported by the carriages, and pivotal connections between the carriages and the respective frames to permit lateral movement of the carriages in opposite directions to simultaneously contract or spread the rear end of the base frame and the lower end of the boom frame.

2,191,182
OPTICAL ARRANGEMENT FOR SCANNING MACHINES
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application January 6, 1937, Serial No. 119,191
In Germany January 10, 1936
1 Claim. (Cl. 178—69.5)

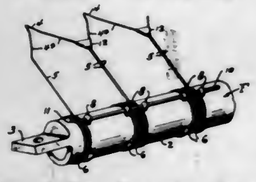
In a television transmitter comprising a light source, a rotating scanning means fitted with lenses, an optic device projecting parallel light

from said source upon said lenses, a film gate behind said lenses being scanned by said rotating lenses and a lens system directing said scanning beam upon a photo-cell and an amplifier coupled with said photo-cell: a synchronizing device consisting of a mirror being obliquely arranged at



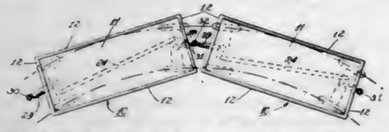
the edge of said gate and a second photo-cell coupled to the same amplifier, said mirror being adapted to reflect said scanning beam through said rotating lenses on said second photo-cell, said second photo-cell being coupled to the same amplifier.

2,191,183
FINGER STRUCTURE AND SUPPORTING BAR FOR HOP PICKING MACHINES
Edouard Thys, San Francisco, Calif., assignor to E. Clemens Horst Company, San Francisco, Calif., a corporation of New Jersey
Application January 25, 1938, Serial No. 186,822
1 Claim. (Cl. 130—30)



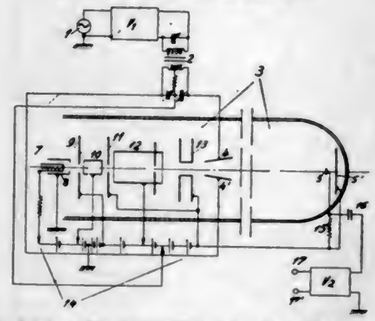
In a device of the character described, a tubular bar, said bar having a plurality of spaced perforations formed therein and extending through the bar, a plurality of V-shaped wire fingers disposed in row formation on the bar, each finger terminating in a pair of arms, a helical spring formed at the inner end of each arm and surrounding the bar, a pin with an eye at one end extending through each perforation, a rod extending through the eyes and engaging the arms to limit their movement with relation to the bar in one direction, said rod permitting free movement of the arms in an opposite direction, and a hook on the end of each helical spring and engaging the opposite ends of the pins to anchor the springs and prevent uncoiling of the springs.

2,191,184
TOY WAGON
Frank F. Voorheis, Downers Grove, Ill.
Application May 20, 1939, Serial No. 274,777
1 Claim. (Cl. 280—100)



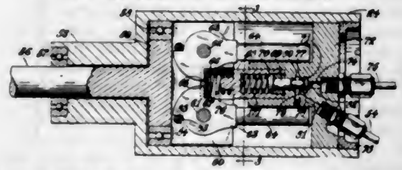
A toy wagon comprising a body portion, a pair of blocks attached to the under portion of the floor of the wagon at opposite ends thereof, a pair of axle frames pivotally attached to said blocks, said axle frames substantially U shaped and having a pair of arms, a connecting portion, a central hollow portion and a flat top, a pair of axles attached to said axle frames and extending through the arms and hollow portions of the same, wheels supported on said axles, a connecting bar extending between said axle frames, one end of said bar attached to the flat top of one of said axle frames a desired distance laterally of the center in one direction, and the other end of the bar attached to the flat top of the other of said axle frames a desired distance laterally of the center in the direction opposite to the first mentioned axle frame so that when the front wheels are turned the connecting bar will cause the rear wheels to also turn so that the wagon may be turned in a minimum of space, and a stop member attached to the bottom side of the rear of the floor of the wagon to engage the axle frame upon movement past 45 degrees, and means attached to said stop member for engaging another wagon or trailer.

2,191,185
IMPULSE GENERATING ARRANGEMENT
Hanns-Heinz Wolff, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application August 18, 1936, Serial No. 96,582
In Germany August 23, 1935
6 Claims. (Cl. 250—27)



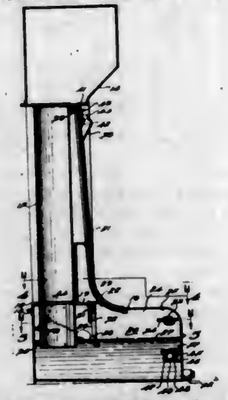
1. A device for initiating a relaxation oscillation generator by an alternating voltage at the zero point of this voltage consisting of a cathode ray tube having a pair of deflecting plates and two positive electrodes of which one is impinged upon by the ray when not deflected, the other when deflected, the circuit of the first of said electrodes being coupled to the starting electrode of said generator.

2,191,186
FUEL INJECTION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
George Amery, London, England
Application December 28, 1936, Serial No. 117,964
In Great Britain December 31, 1935
6 Claims. (Cl. 123—140)



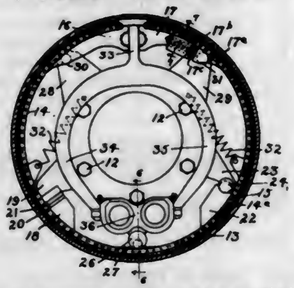
1. In a fuel injection system the combination of a pressure conduit, a relief valve for limiting the maximum injection pressure in said conduit, means for modifying the pressure at which the relief valve will operate in accordance with the engine speed, said means comprising a centrifugal governor operatively connected by resilient means to the relief valve, said relief valve comprising a valve member having a stem extension of smaller diameter than its normal head and fitting into said presure conduit whereby an increase of injection pressure is provided at the commencement of operation.

2,191,187
AIR CLEANER
Frederick P. Bingman, Birmingham, Mich., assignor to The R. C. Mahon Company, Detroit, Mich., a corporation of Michigan
Application December 3, 1937, Serial No. 177,960
6 Claims. (Cl. 261—79)



1. An air cleaner including, in combination, means for moving the air to be cleaned, a curtain of water flowing transversely across the path of said air, a conductor embodying a substantially vertically disposed cylindrical element having an opening in the wall thereof adjacent its lower end, a wall merging with and disposed tangentially of said cylindrical element for directing air through said opening substantially tangentially of said wall to cause said air to revolve along said wall in an upward helical path as it is moved through said element, whereby the water and impurities are separated from the air by centrifugal force, said element having an opening at the upper end thereof for discharging the cleaned air.

2,191,188
ELECTROMAGNETIC BRAKE
Morris Burr Chambers, San Francisco, Calif.
Application December 20, 1937, Serial No. 180,817
Renewed June 29, 1939
7 Claims. (Cl. 188—138)



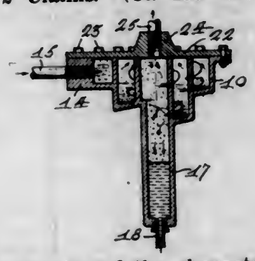
1. In an electromagnetic brake, a rotatable drum having a braking surface, a non-rotatable member, a split brake-band anchored intermediate its ends to said member and adapted to be brought into contact with said braking surface, a shoe for and attached to each end of said band, the shoes facing each other at their adjacent ends and each of said facing ends being provided with a recess, a lever mounted for rocking movement within the brake-drum and having a finger projecting between the facing ends of said shoes, a pair of lugs on the opposite faces of said finger, said lugs extending into the respective recesses in the brake shoes when the brake is assembled, whereby the lever is supported from the said shoes, an electromagnet mounted on said lever and an armature turning with the drum and positioned for magnetic engagement by the electromagnet when the latter is energized, for the purpose specified.

2,191,189
INCANDESCENT LAMP
Kenneth L. Wade, New York, N. Y.
Application October 12, 1937, Serial No. 168,531
7 Claims. (Cl. 176—40)



1. A drawn metallic filament having a grooved surface, said surface comprising substantially contiguous grooves and said grooves comprising side surfaces substantially forming contiguous acute angles of approximately 25 degrees.

2,191,190
SEPARATOR
Georges A. De Guire, Ville St. Laurent, near Montreal, Quebec, Canada
Application December 2, 1937, Serial No. 177,835
Renewed January 18, 1940
2 Claims. (Cl. 183—79)

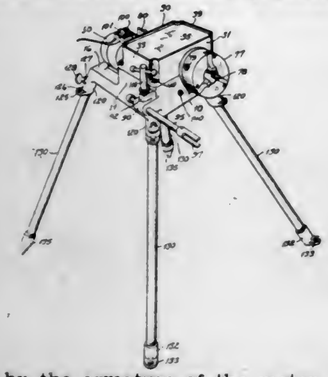


1. In a separator of the character described, a substantially circular casing having an inlet at the upper side thereof, a cover secured at the upper part and an outlet at the top centre, a vertical partition helically coiled within the casing from the inlet to the outlet, said helical partition making at least a complete turn upon itself and being of gradually increasing vertical depth, a bottom wall closing the lower portion of the helical partition, and a drain centrally depending downwardly from the bottom wall, whereby the area of the spiral chamber formed by the partition and the cover and bottom wall gradually expands from the inlet to the outlet.

2,191,191
POWER UNIT
Robert B. Pealer, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application January 18, 1939, Serial No. 251,510
8 Claims. (Cl. 10—89)

1. A power unit having a two-part frame com-

prising a base member and a cap member secured together, the base member having upright wall portions and a floor portion outside of the wall portion, the cap member having wall portions registering with the wall portions of the base member, a motor and gear-reduction unit comprising a motor frame secured to the outside floor portion of the base member, a reduction gear



driven by the armature of the motor, a casing forming bearings for the reduction gearing, said casing being mounted in walls and intermediate webs of the base and cap members, a chuck barrel mounted in opposite mating walls of the base and cap members, said chuck barrel having a gear connected to the reduction gearing mentioned, and an external chuck carried by the chuck barrel.

2,191,192

ATTACHMENT UNIT WITH MULTICORNERED SHANK

Frederick N. Ross, Grosse Pointe Park, Mich., assignor to Ash Products Corporation, Detroit, Mich., a corporation of Michigan

Application March 12, 1938, Serial No. 195,596

11 Claims. (Cl. 85—32)



1. An article of manufacture adapted for use as an attachment unit and the like, including a flange having a transverse seat face, and a shank extending from the flange seat face, the shank having a plurality of side faces, each side face being cylindric and having side corners, the elements and the corners of the cylindric side faces being substantially normal to the flange seat face, and the cylindric side faces being externally concave.

2,191,193

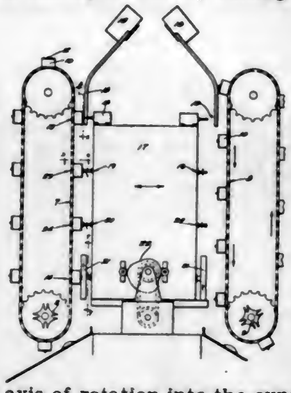
METHOD OF MAKING CLINCH-ON NUTS AND THE LIKE

Frederick N. Ross, Grosse Pointe Park, Mich., assignor to Ash Products Corporation, Detroit, Mich., a corporation of Michigan

Division of application Serial No. 140,217, May 1, 1937, which is a continuation of application Serial No. 48,610, November 7, 1935. Serial No. 140,217 divided and this application August 15, 1938, Serial No. 224,913

12 Claims. (Cl. 10—86)

1. The method of making from a multi-faced blank an article having a head and a multi-cornered shank extending from the head by subjecting the blank to machining operations of rotary cutting tools each having cutting edges defining surfaces of revolution about its axis of rotation, which includes positioning the blank with one face exposed for being machine cut by the tools and at an angle to their axes of rotation, and by feeding one rotary cutting tool end-



wise of its axis of rotation into the exposed face of the blank, and by feeding another rotary cutting tool in a direction laterally spaced from the direction of feed of the first tool and endwise of its axis of rotation into the exposed face of the blank, whereby a shank is formed on the machine cut face of the blank, the shank having side faces each of which is a surface of revolution.

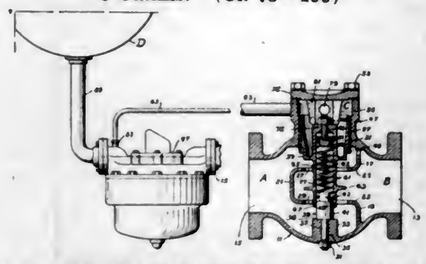
2,191,194

FLOW CONTROL APPARATUS

Hosmer Louie Blum, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana

Application October 16, 1936, Serial No. 105,889

6 Claims. (Cl. 73—199)



1. In a liquid dispensing system, the combination of a liquid measuring device, means for supplying liquid under pressure thereto, a valve and port associated with said device for regulating the discharge of liquid therefrom, said valve having an area of from ninety to ninety-five percent of the area of said port, and automatic means for operating said valve to maintain the discharge pressure of said liquid a predetermined amount below the supply pressure.

2,191,195

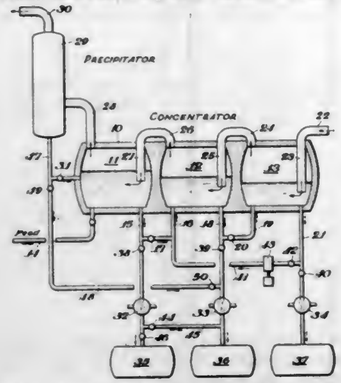
PROCESS OF CONCENTRATING SULPHURIC ACID

Arthur B. Brown, Hammond, Ind., and David W. Bransky, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application July 8, 1938, Serial No. 218,100

7 Claims. (Cl. 23—171)

1. In the concentration of sulphuric acid containing organic impurities by direct contact with hot gases in at least three stages, the method which comprises maintaining the acid in at least one of said stages at a relatively low concentration below the foaming range, passing a stream of said acid of relatively low concentration to the



next stage, and recycling a stream of acid of relatively high concentration from a subsequent stage to the last-mentioned stage in such amount that the concentration of the acid in said last-mentioned stage is maintained above the foaming range.

2,191,196

REFRIGERANTS AND METHODS OF TRANSFERRING HEAT

Joseph Fleischer, Godfrey Township, Madison County, Ill., assignor, by mesne assignments, to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

No Drawing. Original application April 30, 1932, Serial No. 608,574. Divided and this application February 4, 1937, Serial No. 124,031

3 Claims. (Cl. 62—178)

1. The process of transferring heat which comprises evaporating an azeotropic mixture of a halofluoro-derivative of an aliphatic hydrocarbon and butane, and condensing the evaporated azeotropic mixture.

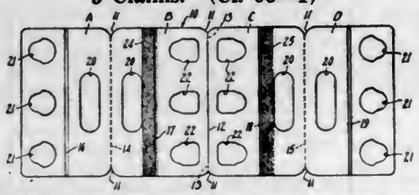
2,191,197

METHOD OF MAKING BOTTLE CARRIERS

Harry Z. Gray, Lebanon, Ohio

Application June 2, 1939, Serial No. 276,939

5 Claims. (Cl. 93—1)



1. The method of making bottle carriers which comprises forming a blank of cardboard or similar sheet material, which blank consists of a succession of four panels constituting two connected sections of two subsections each, applying a zone of adhesive material locally to one subsection of each section, folding the two end subsections onto their companion sections and adhering them thereto by means of said zones of adhesive material, applying a zone of adhesive material locally to the exposed face of one of the subsections of the folded structure, folding the latter along its medial line to bring the two sections together with the zone of adhesive material therebetween to produce a four-ply structure, and thereafter separating the sections along the line upon which the structure was last folded.

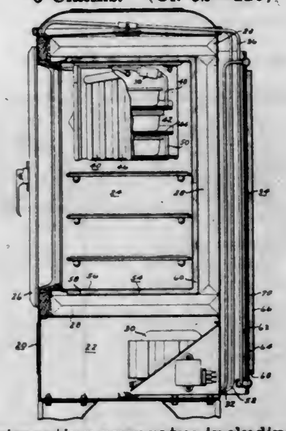
2,191,198

REFRIGERATING APPARATUS

Richard E. Gould, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application February 26, 1937, Serial No. 127,926

6 Claims. (Cl. 62—116)



5. Refrigerating apparatus including liquefying means provided with air cooled condensing means, and evaporating means, said condensing means including a container portion for refrigerant and a second container portion containing a congealable liquid, said congealable liquid being in heat exchange relationship with said first mentioned container portion, each of said container portions being exposed directly to the air.

2,191,199

ABRASIVE DETERGENT COMPOSITION

Ralph E. Hall, Mount Lebanon, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 17, 1937, Serial No. 164,371

10 Claims. (Cl. 167—93)

5. An abrasive detergent composition containing an alkali-metal salt of the group consisting of soluble metaphosphate and tripolyphosphate which is capable of sequestering calcium in a but slightly ionized condition, and an inorganic abrasive of the group consisting of dicalcium phosphate, tricalcic phosphate, calcium carbonate, magnesium oxide, calcium metaphosphate, and magnesium metaphosphate.

2,191,200

VARIABLE SPEED POWER UNIT

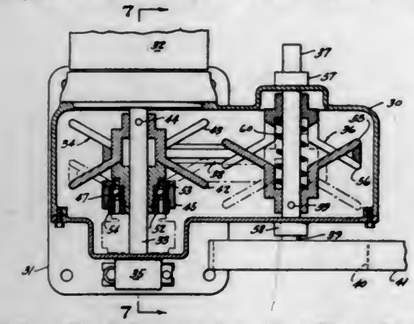
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California

Application October 9, 1933, Serial No. 692,851

13 Claims. (Cl. 74—230.17)

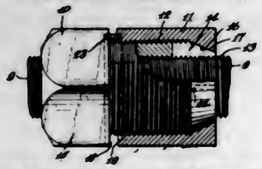
5. In a variable speed power transmission, a driving shaft and a driven shaft, a pair of adjustable pulley structures in respective axial driving relation to each of said shafts, each of said pulley structures including a pair of pulley sections having opposed inclined faces, forming by relative axial adjustment variable effective pulley diameters, a flexible power transmitting member actively engaging said pulley structures, means for holding one pulley section of each of said pulley

structures in fixed axial position, said axially fixed pulley sections being oppositely faced, means for positively adjusting the axial position of the other pulley section of one of said pulley structures in either direction to positively adjust the effective diameter of the pulley structure, said positively adjusting means including, an axially adjustable member restrained against axial movement with respect to the adjusted pulley section, whereby an axial movement of the



axially adjustable member in either direction results in a positive and like movement of the pulley section, and means for positively adjusting the position of said axially adjustable member in either direction and for holding said axially adjustable member in the adjusted position, and means for resiliently adjusting the effective diameter of the other of said pulley structures in response to the adjustment of said positively adjusted pulley structure.

2,191,201
LOCK NUT
Samuel M. Kass, Philadelphia, Pa.
Application March 1, 1938, Serial No. 193,230
4 Claims. (Cl. 151—19)



1. A composite nut comprising an internally threaded body having a non-circular head and an externally threaded tubular shank therefrom tapered at the end split toward the head from its tapered end and a clamp ring threading over the split shank and adapted to engage the taper portion thereof in being screwed toward the head with a progressive radial constriction of the shank from its split end and the direction of thread between the clamp ring and shank opposite to that inside the body.

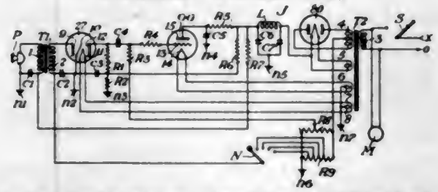
2,191,202
VEHICLE WHEEL
Harry W. Kranz, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application November 19, 1934, Serial No. 753,673
6 Claims. (Cl. 152—411)

1. In a vehicle wheel rim assembly, the combination of a tire supporting rim, and an endless tire-retaining ring capable of being removably secured to said rim, said rim member provided along one edge with a groove, the outer wall of said groove sloping uniformly from adjacent the bottom of said groove to a substantially radially extending flange upon which is provided a seat for said ring, and said ring so formed that when



the same is positioned in said groove axial pressure in one direction thereon will move said ring onto said seat on said rim.

2,191,203
SOUND INDICATING APPARATUS
Willard P. Place, Penn Township, Allegheny County, and Frederick C. Smith, Wilkinsburg, Pa.
Application November 5, 1936, Serial No. 109,392
5 Claims. (Cl. 181—0.5)

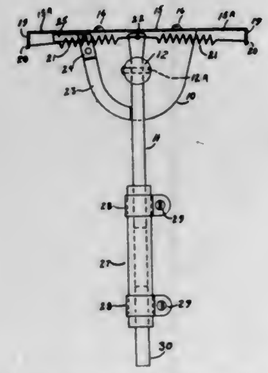


1. In combination, apparatus responsive to sound for translating sound vibrations into electric current variations having corresponding frequencies, a grid glow tube, means connected to said sound responsive apparatus and to said grid glow tube and responsive to said electric current variations for applying amplified higher voltage correspondingly varied at these frequencies to the grid of said grid glow tube, a plate circuit including a source of current and the plate of said grid glow tube in which said grid glow tube "triggers off" or breaks down each time the voltage which is applied to said grid increases in accordance with said electric current variations, and a condenser connected with said plate circuit and becoming charged during the intervals between the times at which said grid glow tube breaks down and becoming discharged abruptly through said grid glow tube each time said grid glow tube breaks down and thereby causing said grid glow tube to emit brilliant flashes of light.

2,191,204
MOTOR FUEL PRODUCT
Thomas H. Rogers and Vanderveer Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 9, 1937, Serial No. 158,197
4 Claims. (Cl. 44—9)

1. A motor fuel product comprising cracked hydrocarbon distillates of the character of gasoline which normally tend to deteriorate and develop gum, said product containing a small proportion of aminophenol wherein one amino hydrogen has been substituted by a propyl radical, in quantity sufficient to retard such gum formation.

2,191,205
INDICATOR SWITCH
William John Rogers, Napa, Calif.
Application November 20, 1937, Serial No. 175,692
1 Claim. (Cl. 200—58)

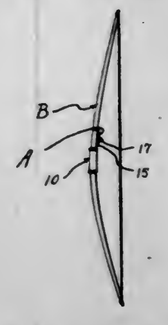


A device of the class described including, in combination, a bracket adapted to be mounted to the spring shackle of a vehicle, a substantially semi-circular flattened body member depending downwardly from said bracket, a pivotally mounted arm upon said body member, a flattened electrical contact mounted upon said bracket and extending parallel with and against the face of said body member and adapted to be engaged by said arm when the arm is caused to move about its pivot, said bracket being provided with a downwardly extending lug at each of its ends, a coil spring extending from each of said lugs inwardly and engaging the top portion of said pivotally mounted arm and adapted to maintain said arm in its normal disengaged position with reference to said electrical contact and to permit said arm to be caused to move about its pivot to contact said electrical contact member, a vertically adjustable, resilient member removably secured to the lower end of said arm, and a vertically adjustable removably secured member extending from said resilient member and adapted to contact the road and thus to cause the pivotally mounted arm to move about its pivot and engage said electrical contact.

2,191,206
PROCESS OF PURIFYING GELATIN AND CASEIN
Charles Schwartz, Pittsburgh, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 24, 1937, Serial No. 165,479
17 Claims. (Cl. 260—118)

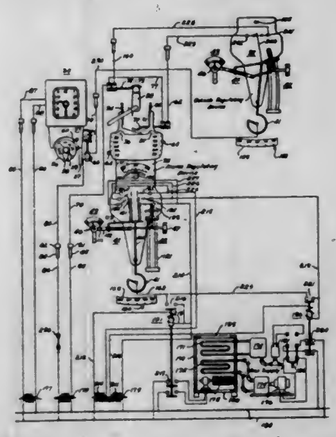
17. The process of removing calcium, magnesium or iron impurities from material of the group consisting of gelatin and casein, which comprises treating said material with a solution of an alkali-metal metaphosphate which dissolves the impurities, and separating the solution containing the impurity from the gelatin or casein.

2,191,207
ARCHERY SIGHT DEVICE
Herman J. Welch, Waukesha, Wis.
Application July 22, 1938, Serial No. 220,622
1 Claim. (Cl. 33—46)



In a device of the class described, a sleeve having an externally threaded reduced portion defining an annular shoulder, said annular shoulder having a transverse groove therein at one side of the axial center of the sleeve, a nut threaded on the reduced portion and movable toward and away from said shoulder for securing a member otherwise slidable in said groove, an internally threaded cap nut having a reduced extension swivelly mounted in the sleeve and holding the first mentioned nut against accidental displacement off the sleeve, and a clamp block slidably within and longitudinally of the sleeve and having a threaded shank engaging the threads in the cap nut and a lug for gripping between itself and the sleeve the member to which the clamp is to be attached.

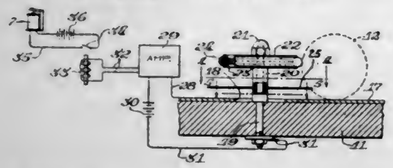
2,191,208
AIR CONDITIONING
George V. Woodling, Cleveland, Ohio, assignor to General Motors Corporation, a corporation of Delaware
Original application December 24, 1932, Serial No. 648,822. Divided and this application September 30, 1936, Serial No. 103,302
10 Claims. (Cl. 236—44)



1. A measuring device for giving a measurement of condition of the air based upon the com-

bination of the dry-bulb temperature, the relative humidity and the air velocity comprising, in combination, means responsive to the relative humidity, an inter-connecting member, means for actuating one of the ends of the inter-connecting member by the relative humidity means, adjustable means for actuating the other end of the inter-connecting member to correspond with the air velocity, an element responsive to the dry-bulb temperature, a contact finger connected to the dry-bulb temperature element, means for actuating the contact finger by the inter-connecting member, a contact member disposed in space relation with the contact finger, means for shifting the position of the contact member with respect to the contact finger, a time device, and means for causing the time device to govern the shifting means.

2,191,209
BALL ROLLING GAME
Donald E. Hooker, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application May 26, 1937, Serial No. 144,910
8 Claims. (Cl. 273—121)



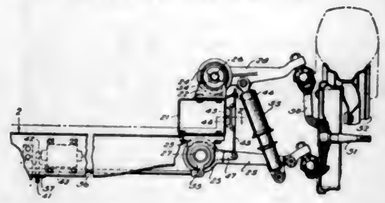
4. A ball rolling game of the pin ball type having a conductor table over which a conductor ball is rollable, a conductor target element carried on the table, said table and element being disposed in a normally open electric circuit closable when the ball contacts the target element with the current passing through the ball, and said target including yieldable means acting to rebound the ball therefrom instantly upon contact.

2,191,210
BUCKLE
Alfred Johnson, Chicago, Ill.
Application September 23, 1938, Serial No. 231,380
8 Claims. (Cl. 36—71)



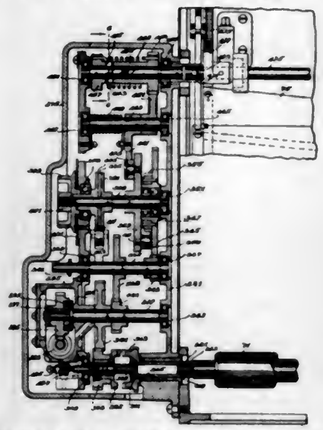
1. In combination with a skating shoe having an opening in the wall thereof through which a fastening strap passes, a buckle having an opening adapted to aline with said shoe opening, eyelet means passing through said opening for receiving said strap and joining said buckle to the shoe, and a locking member on the buckle adjacent the opening and having a locking edge yieldably urged into juxtaposition with said eyelet for impinging the free end of the strap passing through the eyelet.

2,191,211
ADJUSTABLE VEHICLE SUSPENSION
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 12, 1937, Serial No. 168,533
7 Claims. (Cl. 267—21)



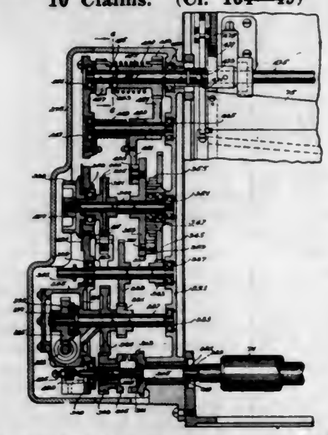
1. A vehicle suspension comprising a plurality of wheel assemblies, a supported structure, mounting means connecting the supported structure and wheel assemblies comprising a plurality of arm structures adapted to transmit supported load, and means mounted on the supported structure cooperating with said arms to transmit load thereto, the load transmitting means comprising means for adjusting the vertical position of one wheel assembly with respect to the other including an adjustable plate member having stepped surface portions engageable with said arm structures.

2,191,212
FEEDING AND SEVERING MECHANISM FOR PHOTOGRAPHIC COPYING MACHINES
Paul Landrock and Arthur W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island
Original application April 29, 1939, Serial No. 270,856. Divided and this application October 7, 1939, Serial No. 298,436
11 Claims. (Cl. 164—49)



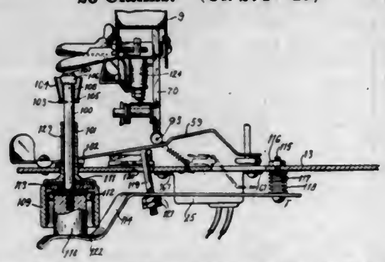
1. A photographic copying machine of the type including film feeding mechanism having a rotary metering member for determining the length of film to be fed, a shaft for driving said member, a motor, and a gear driven by said motor for driving said shaft, characterized by the provision of a one-way clutch between said gear and said shaft, so that when said motor is incapacitated, said feeding mechanism may be operated by turning said shaft by hand without turning said motor or said gear.

2,191,213
SEVERING MECHANISM FOR PHOTOGRAPHIC COPYING MACHINES
Paul Landrock and Arthur W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I., a corporation of Rhode Island
Original application April 29, 1939, Serial No. 270,856. Divided and this application October 7, 1939, Serial No. 298,437
10 Claims. (Cl. 164—49)



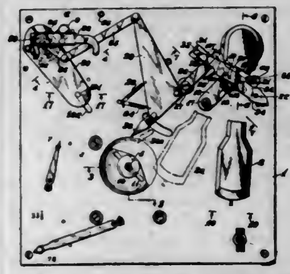
1. A photographic copying machine of the type including a camera having a supply of photographic film, mechanism for feeding and severing exposed portions of said film, said mechanism including a knife blade, and a motor for driving said mechanism through a predetermined cycle of operation which includes driving said knife blade in a severing direction by the power of said motor, characterized by the provision of a driving spring operatively interposed between said motor and said knife blade and so arranged that if said knife blade should jam, said motor may complete its full cycle of operation without further operating said knife blade by deforming said spring.

2,191,214
PHONOGRAPH RECORD CHANGING MECHANISM
Paul U. Lannerd, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application June 25, 1934, Serial No. 732,248
23 Claims. (Cl. 274—10)



21. In an automatic phonograph mechanism, a main frame, a turntable carried by said frame, a tone-arm swingable laterally over the turntable, a stop member on said tone-arm, a tone-arm elevating mechanism for raising the tone-arm from a record after the completion of the playing thereof and for swinging it to an elevated record-starting position, a tone-arm-lowering device for receiving the tone-arm in the elevated record-starting position and for lowering it onto a record, comprising a tone-arm-lowering post normally out of engagement with the tone-arm, an air escapement device for restricting the lowering speed of the post having a weighted piston secured to the lower end of the post and movable within a cylinder provided with an air vent, and a lifting mechanism interconnected with the tone-arm-elevating mechanism for lifting the post to position it to receive the tone-arm with the stop on the tone-arm engaging the head of the post, and for subsequently withdrawing support from the lowering post to permit it to lower the tone-arm onto the record, the downward movement of the post extending beyond the downward movement of the tone-arm sufficiently to deposit the tone-arm needle on the record and then clear the post from contact with the tone-arm.

2,191,215
AUTOMATIC PHONOGRAPH MECHANISM
Paul U. Lannerd, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application April 20, 1936, Serial No. 75,359
23 Claims. (Cl. 274—10)

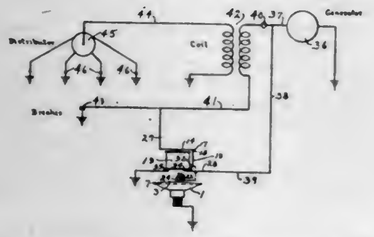


1. In a phonograph mechanism of the type comprising means for playing and discharging successively a plurality of disc records placed in a pile on a turntable, a record discharging mechanism disposed laterally of the turntable mounted to be moved toward and from the turntable to position it for discharging discs of different diameters, a record reproducing tone arm mounted to swing over the turntable to a record starting position, a stop post mechanism disposed laterally of the turntable for stopping the swing of the arm in said position and for lowering it into engagement with a record and mounted to be moved toward and from the turntable to stop the arm in reproducing position for records of different diameters, and mechanism means to effect moving of one said mechanism toward or from the turntable in correspondence with movement of the other mechanism.

2,191,216
CIRCUIT CONTROLLER
Charlie Mendez, Tampa, Fla.
Application July 17, 1939, Serial No. 284,879
2 Claims. (Cl. 123—146.5)

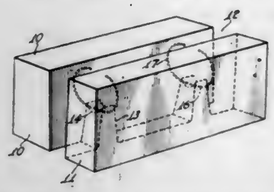
1. In a circuit-controlling device for use across the ignition circuit of an internal combustion engine having a supply of oil under pressure, the combination of a casing connected with the oil pressure system and having a flexible diaphragm actuated by pressure in said system, a support secured to the casing, an electromagnetic coil upon the support having one terminal of the coil

electrically connected with the casing, an insulator element secured to the support, a conductor mounted upon the insulator element and electrically connected with the other terminal of the coil, an armature for the coil carried by the said support and insulated therefrom, a conductor carried by said support and insulated therefrom, said conductor having a contact adjacent to the



armature and the armature having a contact normally separated from the contact on said conductor when the coil is inoperative, a contact carried by the diaphragm and electrically connected with the casing, and a contact upon the conductor normally closed upon the contact on the diaphragm when the diaphragm is not flexed by pressure in the casing and separated therefrom when the diaphragm is flexed by pressure.

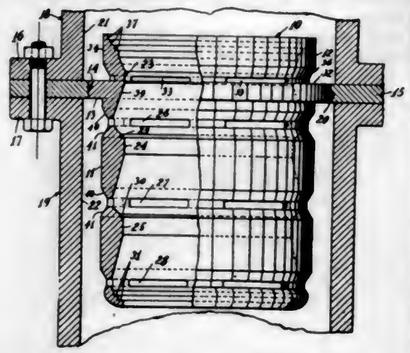
2,191,217
BUILDING BLOCK
Benjamin Liebowitz, New York, N. Y.
Application October 23, 1937, Serial No. 170,541
4 Claims. (Cl. 72—44)



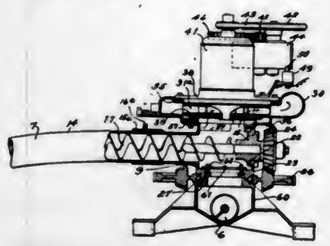
1. A precast unitary building block of concrete or the like, comprising two spaced longitudinal members permanently connected at intervals by integrally cast transverse webs of relatively small cross-sectional area, the webs arranged at the lower half of the block thereby providing a clear space between the members at the upper half of the block throughout its length, reenforcing wires passing through the webs at their tops and having end portions which lie adjacent to one face of each of the longitudinal members.

2,191,218
FUEL ATOMIZER OF THE VENTURI TYPE
William J. Linn, Pittsburgh, Pa.
Application October 6, 1938, Serial No. 233,583
2 Claims. (Cl. 48—180)

1. In a fuel atomizer for internal combustion engines adapted to be clamped between the flanged ends of a carburator outlet and intake manifold comprising a one piece metallic cylindrical body provided near its upper end with an exterior and integral annular flange adapted to securely interfit in the bore of a gasket member of the same contour as the aforesaid flanged ends; a plurality of interiorly disposed and axially aligned venturis, each of which having a restriction of uniform dimension, horizontally disposed peripheral slotted ports and deflecting ledges; the exterior of said slotted ports being flared upwardly and downwardly, thereby permitting circulating and additionally breaking up of the heavy ends of the fuel, and means for maintaining the structure spaced from the interior wall of the ends of the intake manifold and the carburator outlet.

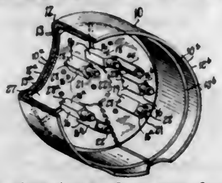


2,191,219
STOKER
Gordon M. Peltz, Kew Gardens, N. Y., assignor to Henry M. Brooks, New York, N. Y., William Tudor Gardiner, Boston, Mass., and Jacob H. Nissley, Manheim, Pa., as trustees
Application April 24, 1935, Serial No. 17,954
13 Claims. (Cl. 110—45)



1. In a stoker having a grate, means providing a substantially vertical fuel passage including a base element and an upper element that is adjustable on the base element around a substantially vertical line of said passage, a motor supported by said base element, a gear rotatable around said means, means connecting the motor to said gear to drive the latter, a fuel conduit leading from said base element to said grate, a conveyor in said conduit, a gear connecting said conveyor to the first-mentioned gear whereby said conveyor is driven, a second fuel conduit one end of which is connected to and delivers into said upper element, a conveyor in said second conduit, and a gear connecting the last-mentioned conveyor to the first-mentioned gear through which the first-mentioned gear drives the last-mentioned conveyor, whereby said second conduit and its conveyor with their delivery ends placed at a higher level than the first-mentioned conduit may be adjusted to various positions around said substantially vertical fuel passage and the conveyor of the second conduit driven in all such positions.

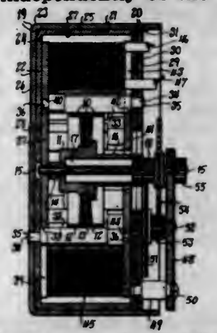
2,191,220
FIELD-STRUCTURE FOR SYNCHRONOUS-ELECTRIC MOTORS
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Original application December 3, 1937, Serial No. 177,839. Divided and this application April 29, 1938, Serial No. 204,934
10 Claims. (Cl. 172—278)



1. A field-structure for synchronous-electric motors including in combination: a first magnetic-portion; a second magnetic-portion spaced from the said first magnetic portion and extending in substantial parallelism therewith; magnetic-means extending between the said magnetic-portions at the outer portions thereof, the said magnetic-means acting to space the said magnetic-portions apart and coacting therewith to provide a magnetic-frame; an energizing-coil for magnetizing the two said magnetic-portions with opposite instantaneous polarity respectively; a first group of pairs of salient poles magnetically coupled to the said first magnetic-portion and projecting therefrom in the direction of the said second magnetic-portion; and a second group of pairs of salient poles magnetically coupled to the said second magnetic-portion and extending therefrom in the opposite direction toward the said first magnetic-portion; the oppositely-projecting groups of salient poles being coupled to the respective magnetic-portions inwardly of the outer portions thereof and of the said magnetic-means extending therebetween to project within the said magnetic-frame; the individual salient poles of each pair of a given magnetic-portion being more closely spaced together than are the said pairs with respect to an adjacent pair of the given magnetic-portion, thereby providing a gap between the respective pairs of salient poles of each of said magnetic-portions for the accommodation of a pair of salient poles of the other of said magnetic-portions.

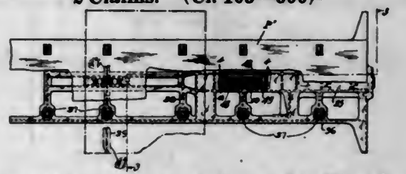
2,191,221
SYNCHRONOUS ELECTRIC MOTOR STRUCTURE
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application July 16, 1938, Serial No. 219,493
8 Claims. (Cl. 172—278)

1. An electric motor structure, including in combination: a field-structure having salient poles; a rotor-supporting arbor; a rotor-unit located for rotation in the magnetic field of the said field-structure and comprising a tubular hub-portion having an axial passage therethrough for the reception of the said rotor-supporting arbor; and a drive-pinion projected at one end of and rotatable with the said hub-portion, the said drive-pinion also having an axial passage therethrough registering with the axial passage of said hub-portion for extension of the said rotor-supporting arbor beyond the axial passage of the hub-portion and into and through the axial passage of said drive-pinion, and the said drive-pinion having external grooves communicating with the axial passage in the said hub-portion independently of the axial passage



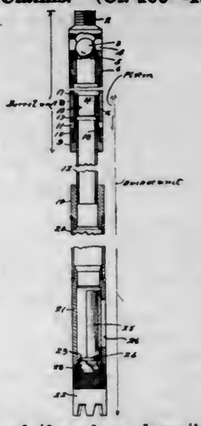
in the said drive-pinion to thereby admit lubricant to the interior of the said hub-portion.

2,191,222
RAILWAY CONTAINER CAR
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application March 15, 1935, Serial No. 11,290
2 Claims. (Cl. 105—366)



1. In combination, a carrier, a plurality of containers thereon, and individual spring buffers between each of said containers and said carrier to yieldingly resist movement of each of the containers along the carrier, said containers being supported on said carrier independently of said buffer devices, and means for rigidly interconnecting said containers so that all of said buffers operate in unison.

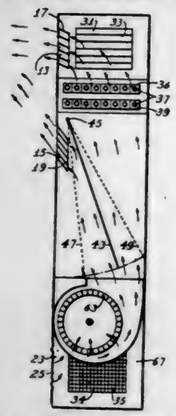
2,191,223
HYDROSTATIC BAILER
Clifford E. Van Stone and Arthur E. Johnson, Taft, Calif.
Application October 31, 1938, Serial No. 237,852
3 Claims. (Cl. 166—19)



1. A bailer, of the class described, having an

upper valved barrel section provided with a thin walled bushing in its lower end presenting a narrow edged, annular hammer in the bore of the barrel and the barrel having breather ports above and near said edge, and a lower bucket unit having a thin walled stem telescoping in the bushing and provided with a thin walled piston matching said hammer edge and operative to close said ports when opposite thereto and the piston having a packing running on the barrel bore surface; said piston being valveless and having a clear bore of about equal diameter to the bore of the stem so that the bucket, the barrel and the stem have an unobstructed chamber of as uniform diameter as practical for carrying capacity.

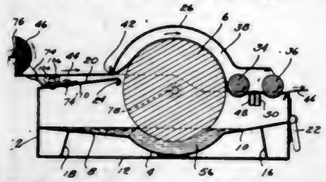
2,191,224
APPARATUS FOR CONDITIONING AIR
Thomas D. Adair, Quincy, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application July 19, 1934, Serial No. 736,021
8 Claims. (Cl. 257—137)



5. A unit for conditioning the air in a chamber comprising a casing, an air inlet at the bottom thereof, a fan and motor for drawing air from the chamber through the inlet and to force it through the casing and into the chamber, a top air outlet, an air heater beneath and adjacent said outlet and extending across the casing from front to back, a supplementary air outlet in the front wall of the casing adjacent the heater and below the same, and a swinging damper pivoted above the supplementary air outlet and extending downwardly to a point adjacent the fan outlet and movable to direct the stream of air discharged from the fan through the supplementary and top outlets in any desired proportions, or to shut off either of said outlets entirely, to vary the amounts of heated and unheated air and thereby regulate the heating effect of the apparatus, while maintaining a constant circulation of air through the chamber.

7. A unit heater comprising a casing, an air inlet at the bottom thereof, a fan and motor for drawing air through the inlet and forcing it through the casing, a top air outlet, a supplementary air outlet in the wall of the casing, an air heater intermediate said outlets, means for causing the air streams from said outlets to intersect and mingle outside the casing, and a swinging damper pivoted above the supplementary air outlet and extending downwardly to a point adjacent the fan outlet and movable to direct the stream of air discharged from the fan through the supplementary and top outlets in any desired proportions, or to shut off either of said outlets entirely, to vary the amounts of heated and unheated air and thereby regulate the heating effect of the apparatus.

2,191,225
PASTE APPLYING APPARATUS
Almeron Allan Beach, Hobart, N. Y.
Application April 30, 1938, Serial No. 205,143
2 Claims. (Cl. 91—33)



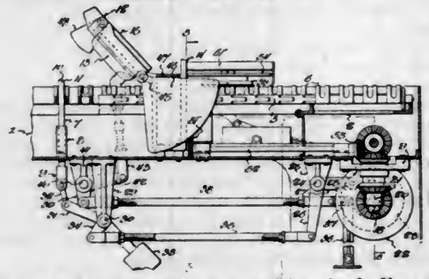
1. A wall paper paste applying machine comprising a paste receptacle, a paste applying roll mounted on said receptacle, arranged to dip into the paste therein and over which the paper travels to receive the paste, means upon the two sides of said roll for confining the paper to a predetermined arc of contact with said roll, means at one side of said roll for effecting a predetermined distribution of the paste coating on said paper and its reduction to a predetermined thickness, means for directing the wall paper into operative relation to said distributing and thickness determining means and a support for all of the aforementioned paper confining and directing means constructed to carry them bodily into and out of their confining and directing relations to the paper.

2,191,226
ROASTING FORK
Lester P. Clem, Muskogee, Okla.
Application June 21, 1937, Serial No. 149,495
2 Claims. (Cl. 53—5)



1. A roasting fork comprising a rod, a handle secured to one end of said rod, a hand grip rotatably and slidably mounted on the rod, a forked head formed on the other end of said rod and including spaced tines for penetrating a food product, and an ejector plate slidable on said tines, connecting members secured to said plate, and a collar connecting said connecting members and slidable on said rod to be engaged by the hand grip for moving the ejector plate towards the free ends of the tines to remove the food product from the tines.

2,191,227
BOTTLE WASHING MACHINE
John R. Dostal, Milwaukee, Wis., assignor to Sturdy-Bilt Equipment Corporation, Milwaukee, Wis.
Application October 31, 1938, Serial No. 237,872
3 Claims. (Cl. 198—27)



1. In a bottle washing machine including an intermittently movable conveyor provided with hollow sockets for the reception of inverted bottles, a bottle delivering mechanism comprising a delivery conveyor, a plurality of plungers having their ends cut away at one side for projecting bottles from said sockets and causing the same to tilt in one direction, and a transfer mechanism for receiving the ejected bottles and depositing the same rightside up upon said delivery conveyor.

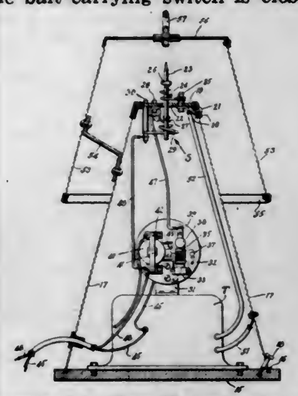
2,191,228
BUCKLE
Raymond E. Dowd, Chicago, Ill., assignor to The Russell Manufacturing Company, Middletown, Conn., a Connecticut corporation
Application December 14, 1938, Serial No. 245,554
16 Claims. (Cl. 24—170)



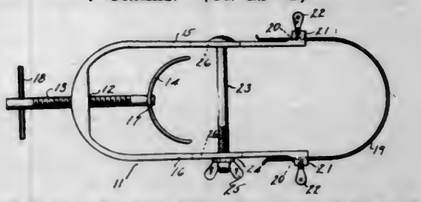
14. A buckle comprising: a frame having approximately parallel spaced-apart bar-edges; and a locking-bar located at one side of, and approximately parallel to, the general plane of said bar-edges when in unlocked position, and mounted for movement into the space between said bar-edges and toward and from said plane while remaining approximately parallel therewith; said locking-bar being designed and adapted to have a looped end of a strap anchored thereto.

2,191,229
EXTERMINATING APPARATUS
Benjamin F. Ford, Los Angeles, Calif., assignor to Electric Traps, Inc., Los Angeles, Calif., a corporation of California
Application October 11, 1937, Serial No. 168,324
6 Claims. (Cl. 43—98)

1. An exterminating apparatus, comprising; a transformer; a normally open circuit including the secondary of the transformer; a support of conducting material forming one terminal of said secondary circuit; a bait-carrying switch having a contact and an arm yieldably urged out of engagement with the contact and forming the other terminal of the secondary circuit, said switch being insulated from and mounted at an elevated point on the support; a normally open circuit for the primary of the transformer; a source of alternating current in the primary circuit; a normally open second switch in the primary circuit; a control circuit including the current source, a relay for closing the second switch, and the bait-carrying switch, so that when the bait-carrying switch is closed the relay is energized to close the primary circuit; and a normally closed thermostatic switch for opening the control circuit.



2,191,230
DEVICE FOR PUTTING NEW TOE COVERINGS ON SHOES
Isadore Guss, Detroit, Mich.
Application March 1, 1939, Serial No. 259,192
7 Claims. (Cl. 12—1)



1. A device for repairing shoes comprised of a bifurcated base, a flexible wire loop fixedly and removably attached thereto, a heel engaging member adjustably mounted within said base, a threaded bolt with operating means thereon journaled through the base and secured to said heel retaining member for causing longitudinal movement thereof, and means for lateral adjustment of the bifurcated base portion.

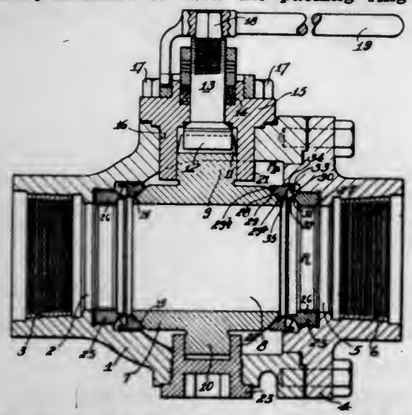
2,191,231
NEGATIVE ELECTRODE FOR LEAD-ACID STORAGE BATTERIES AND METHOD OF PRODUCING THE SAME
Anna P. Hauel, New York, N. Y.
No Drawing. Application April 4, 1939, Serial No. 265,901
17 Claims. (Cl. 136—26)

17. In a paste for lead-acid storage battery electrodes an expander containing substantially colloidal barium sulphate, the particles of said substantially colloidal barium sulphate produced by reacting a barium compound selected from the group consisting of barium sulphides, barium oxides and barium hydroxides in solid or pasty state with sulphuric acid.

2,191,232
VALVE AND SEALING MEANS THEREFOR
Joseph Heinen, Long Beach, Calif.
Application August 25, 1938, Serial No. 226,615
12 Claims. (Cl. 251—113)

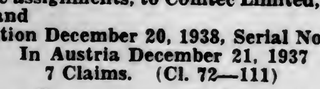
1. A leakproof flexible joint comprising an

annular base, a packing ring adapted to bear against the part to be packed off, a flexible ring fixedly attached to both the packing ring and



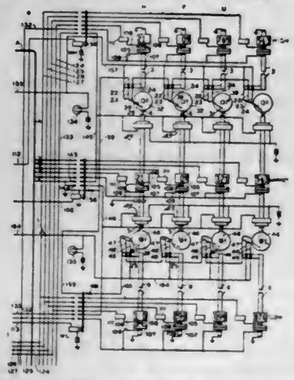
the base, said base having a counterbore therein, and a flange depending from the packing ring, said flange fitting in said counterbore.

2,191,233
REINFORCEMENT FOR CONCRETE
Leopold Herzka, Vienna, Germany, assignor, by mesne assignments, to Comtec Limited, London, England
Application December 20, 1938, Serial No. 246,819
In Austria December 21, 1937
7 Claims. (Cl. 72—111)



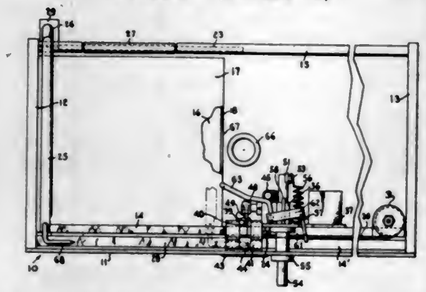
1. Reinforcement for concrete consisting of bars, said bars having faces being in intimate contact throughout, said bars being twisted together in helical relationship to provide a composite reinforcement.

2,191,234
NUMERICAL COMPARING SYSTEM
Raymond M. Hicks, Plainfield, N. J., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application January 2, 1937, Serial No. 118,774
6 Claims. (Cl. 177—311)



1. In a numerical comparator, a plurality of settable circuit controlling contact means representative of a first number, one individual to each of a plurality of items, a set of indicia bearing devices for operating said contact means, a set of settable pins operable to engage said contact means, a second set of indicia bearing devices for operating said pins to settings representative of a second number, the said indicia bearing devices of both sets having a home position and a plurality of moved positions, means for operating said indicia bearing devices to their home positions and moved positions, means controlled at will for operating said pins during the movement of the indicia devices to their home positions whereby said pins are disengaged from said contact means, additional means for causing said pins to engage said contact means as the indicia bearing devices are moved to their settings representative of a predetermined value, and means including said contact means for indicating the numerical relation of the numbers represented by said contact means and said pins respectively.

2,191,235
VENDING MACHINE
Joseph G. Llovera, New York, N. Y.
Application May 24, 1937, Serial No. 144,531
1 Claim. (Cl. 232—1)



A vending device comprising a boxlike casing; a rear service door vertically swingably mounted on said casing; a horizontally sliding door closing the front of the casing; spring urging means associating the front door and the casing tending to move said door into opened position; a latch for holding said front door in closed position; and means comprising an arm, mounted on the front door and slidable therewith, for overlying parts of and preventing opening of the rear service door except when the front door is closed, and a projecting formation on the arm engaging with parts of the latch for preventing opening of the front door except when the rear door is closed.

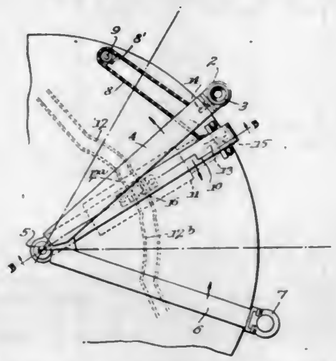
2,191,236
GARDEN OR HEDGE SHEARS
William Grant McDonald, East St. Kilda, Victoria, Australia
Application June 18, 1937, Serial No. 150,600
In Great Britain February 11, 1936
2 Claims. (Cl. 30—355)

1. Improvements in and relating to garden or hedge shears and the like, wherein each blade is provided along its cutting edge with a series of straight edged cutting wedges forming shallow recesses in said edge, the blade members being turned at an angle to the plane of blade movement and each cutting portion of the blade having a beveled outer portion sloping towards the inner face of the blade member at a small acute angle, the inner wall of the blade having its cutting portion formed by a short beveled portion extending from a line slightly below the bottom of the shallow recesses in the cutting edge and substantially in the plane of blade movement and sloping at a sharp acute angle to the plane of blade movement and meeting the first said beveled portion to form a sharp cutting edge,



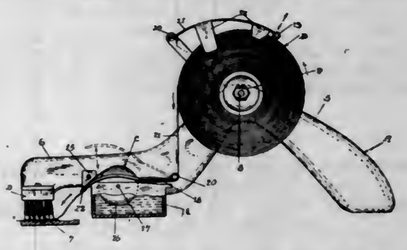
each of the above mentioned wedges being ground to a knife edge and terminating at its forward end in a short curved cutting edge which connects it to that wedge next in front of it, so as to provide throughout the length of the series of wedges, a continuous stepped cutting edge, devoid of any shearing or noncutting portions.

2,191,237
MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application September 15, 1936, Serial No. 100,940
In Great Britain September 23, 1935
12 Claims. (Cl. 49—5)



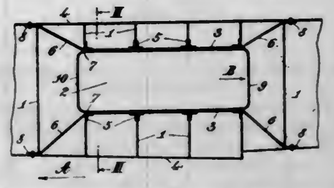
12. A machine for manufacturing glass articles comprising a mould table rotatable about a vertical axis, a plurality of moulds on said table, a funnel to guide charges of glass to the moulds, a baffle plate to close the moulds during a blow period for each mould, supporting means pivoted about the axis of the table for supporting and maintaining the funnel and baffle plate in predetermined spaced relation, an arm pivoted for rotation about the same axis, a fixed sprocket, a chain trained about said sprocket and having its ends connected respectively to said supporting means and to said arm to effect oscillating movements of said arm and said supporting means in opposite directions only, abutment means associated with said arm and on said supporting means, a cooperating abutment rotating with said mould table but movable with respect thereto, and means to displace said movable abutment first to engage the abutment means associated with said supporting means to move the same and the funnel and baffle plate with the table, and then to engage the abutment means associated with said arm to return the supporting means to its original position.

2,191,238
TAPING DEVICE
Charles A. Rasanen, Aberdeen, Wash.
Application March 6, 1939, Serial No. 260,139
5 Claims. (Cl. 216—20)



2. A hand taping device, comprising a handle, a tape dispensing reel mounted thereon, an extension carried by the handle, an application brush carried by the outer end of said extension, a tank carried by the lower face of the extension adjacent the brush, a moistening roller mounted in the tank and extending above the upper end thereof, whereby a roll of tape may be mounted on the reel and passed over the moistening roller and under the brush.

2,191,239
TANK ARRANGEMENT FOR AIRCRAFT
Walter Rethel, Augsburg, and Wilmar Laute and Ernst Mühlberg, Brandenburg (Havel), Germany, assignors to Arado Flugzeugwerke Gesellschaft mit beschränkter Haftung, Brandenburg (Havel), Germany, a German company
Application August 29, 1938, Serial No. 227,402
In Germany September 1, 1937
4 Claims. (Cl. 244—135)



1. A construction for aircraft and the like comprising a hollow structural member forming an aircraft element, a plurality of bulkheads extending transversely of said structural member, a number of said bulkheads having aligned openings therein to receive and support a tank, a tank disposed in said openings to be supported by said bulkheads in spaced relation to the walls of said structural member, and at least one strap attached at one end directly to the tank wall and at the other end to the wall of said hollow structural member.

2,191,240

MANUFACTURE OF STABILIZED GASOLINE

Donald R. Stevens, Swissvale, Pa., and Horace B. Cooke, Arlington, Va., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application December 5, 1936, Serial No. 114,492
2 Claims. (Cl. 44—9)

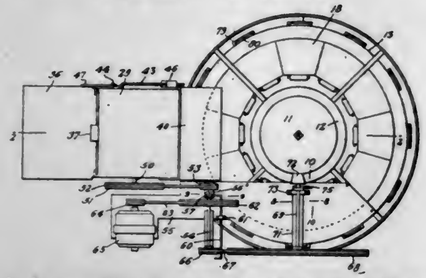
1. The process of obtaining a gasoline fuel having a high anti-knock value and stabilized against oxidational changes resulting in formation of gums, color deterioration and the like, from normally gaseous olefines, which comprises passing such gases over an acid polymerizing catalyst at an elevated temperature above 150° C., to effect polymerization thereof to normally liquid products within a motor-fuel boiling-point range, then reducing the temperature of the product to a temperature below 150° C., and reacting the products at such reduced temperature with a phenol to form alkylated phenols having anti-oxidant properties, and subsequently recovering the resultant mixture of polymers and anti-oxidant as a unitary end product.

2,191,241

LOOSE MATERIAL DISPENSING APPARATUS

Jesse M. Talkington, Dover, Ark.

Application August 25, 1938, Serial No. 226,805
5 Claims. (Cl. 198—69)



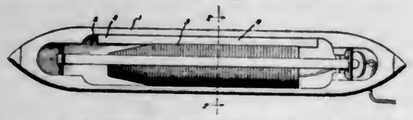
1. In combination, a frame, a vertical shaft journalled in the frame, a plurality of hoppers mounted for rotation on the shaft, an elevator for raising material to a point above the hoppers and common operating means for the elevator and for the hoppers for moving the latter into a position to receive the material from the elevator and means for independently controlling the operation of the elevator and said rotary element.

2,191,242

SHUTTLE WITH YIELDING COP ENGAGING SIDE MEMBER

William M. Thomson, Richmond, Va., assignor to Wortendyke Manufacturing Company, Richmond, Va., a corporation of Virginia

Application August 4, 1939, Serial No. 288,446
1 Claim. (Cl. 139—196)



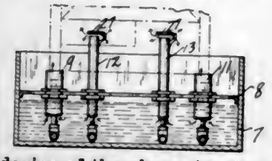
Shuttle, recessed to form a cop chamber, adapted to hold a cop in fixed position in the shuttle, one side of said cop chamber being formed with a recess having an inwardly extending upper flange, and a yielding pad of material having the frictional characteristics of rubber seated in said recess having its upper edge beveled to form a thin edge overlain by said flange.

2,191,243

CLEANING DEVICE

William Joseph Turpin, Santa Ana, Calif.

Application May 21, 1937, Serial No. 144,189
2 Claims. (Cl. 141—1)



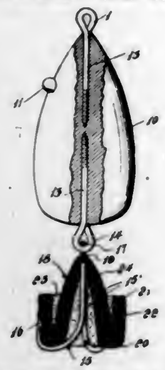
1. In a device of the character described, comprising a tray element adapted to retain a solvent solution, a horizontal support arranged in said tray element below its upper end and having a slot therein, a plurality of nozzles horizontally adjustable in said slot independent of each other, a compressed air line connected to said nozzles within the solution in the tray element, whereby the solvent solution will be forced out through said nozzles by said compressed air.

2,191,244

FISHING TACKLE

Leo V. Wise, Detroit, Mich.

Refiled for abandoned application Serial No. 134,447, April 1, 1937. This application March 30, 1939, Serial No. 265,048
5 Claims. (Cl. 43—39)



1. An artificial bait comprising a buoyant body portion, a hook secured to one end of said body portion, and a buoyant member secured to said hook, said buoyant member being folded upon itself intermediate of its ends, and the barbs of said hook being embedded in said folded portion.

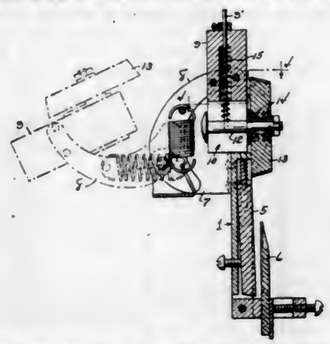
2,191,245

GLASS WORKING TOOL

Robert A. Yuchtmann, Weston, W. Va.

Application March 29, 1937, Serial No. 133,677
1 Claim. (Cl. 49—22)

In combination with a glassware base finishing tool, a bracket secured on the tool, arms pivoted on said bracket, a head secured on said arms and having a slot, an axle slidable in said slot, a roller journaled on said axle and having a design on its periphery to contact and form on a base of stem glassware said design during the finishing of the base by said tool, a rod slidable in the head and connected to the axle, a spring



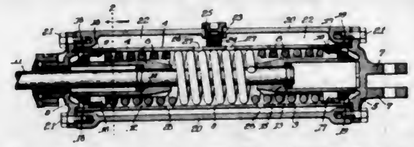
mounted on said rod and acting on the axle to urge the roller in contact with the base.

2,191,246

RAILWAY SWITCH PISTON AND CYLINDER DEVICE

Oscar W. Andersen, Flossmoor, Ill., assignor to Pettibone Mulliken Corporation, Chicago, Ill., a corporation of Delaware

Application April 30, 1938, Serial No. 205,321
10 Claims. (Cl. 188—100)



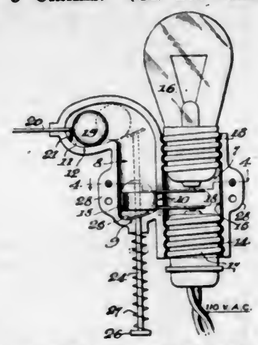
1. In a piston and cylinder device of a railway switch, the combination with its cylinder for liquid and the operating parts therein, of a settling chamber having a filler opening, said chamber opening into said cylinder at the upper portion of the cylinder and through the bottom of the cylinder.

2,191,247

SIGNALING DEVICE

Thony Ernest Brandon, Bowling Green, Ky.

Application April 7, 1938, Serial No. 200,767
5 Claims. (Cl. 177—325)



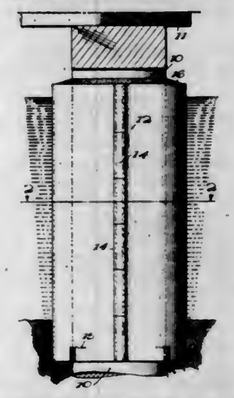
2. A device of the class described having a case provided with a recess, contacts insulated from each other by the case each having a portion projecting into said recess and a portion projecting exteriorly thereof, a signal, a supply connection, means mounting said signal and supply connection on the case in conducting relation with each other and with the external projecting portions of said contacts, a conductor element arranged to bodily move in said recess into and out of circuit-closing relation with the contact portions therein, said recess having a lateral extension with a wall constructed and arranged to retain said element out of circuit-closing position.

2,191,248

MEANS FOR PROTECTING PILES

Curry G. Cappel, New Orleans, La., assignor to W. Horace Williams Company, Inc., New Orleans, La.

Application June 3, 1936, Serial No. 83,396
3 Claims. (Cl. 61—54)



1. Protecting means for piles comprising a longitudinally split casing adapted to surround a pile and capable of being moved laterally into position about the pile, cooperating projections extending along the edges of the split portion of the casing, a clamping member adapted to telescopically receive the projections, said clamping member being divided into a plurality of relatively short sections, said casing being of greater diameter than the pile whereby an annular space is formed between the pile and casing, spacing fingers carried by the casing and extending inwardly towards the pile, and a filling of plastic material arranged in the space between the pile and casing.

2,191,249

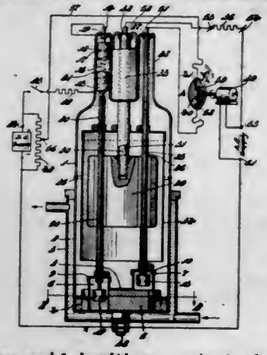
MERCURY CATHODE DISCHARGE TUBE

Mari Johan Druyvesteyn and Tom Jurriaanse, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application April 15, 1938, Serial No. 202,332
In Germany April 10, 1937
8 Claims. (Cl. 250—27.5)

1. A current-converting tube comprising an envelope, an anode, a mercury cathode spaced from said anode to form a main discharge space, screening means forming at the surface of the mercury cathode a chamber connected to the main discharge space by an opening adjacent the surface of the mercury, means to maintain a cathode-spot including an auxiliary anode within said chamber, a cathode-spot anchoring member partly within the chamber, and means to control the mean value of the converted current including an ignition control electrode disposed near said opening but laterally from the

discharge path connecting said opening and said main anode so that the electrostatic lines of



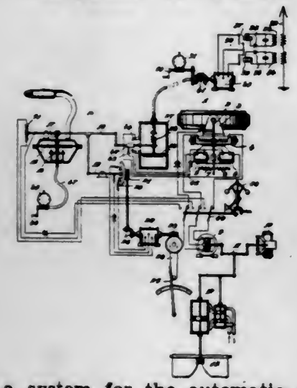
force from said ignition control electrode pass through the opening and into the chamber.

2,191,250

SYSTEM FOR THE AUTOMATIC CONTROL OF AIRPLANES

Eduard Fischel, Berlin-Tempelhof, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application September 4, 1935, Serial No. 39,120
In Germany September 24, 1934
13 Claims. (Cl. 244—76)



1. In a system for the automatic control of aircraft, an elevator, an altimeter and a clinometer, means for controlling said elevator and interconnected with said altimeter and clinometer to produce a resultant control value in response to the altimeter and clinometer reactions for adjusting the elevator for the desired altitude and inclination of the craft, a driving power control for said craft and means connected with said altimeter and said driving power control for exerting upon the driving power control an additional resultant control force commensurate with the resultant altimeter and clinometer control reactions upon the elevator to restabilize the craft in inclination and speed during variations in altitude.

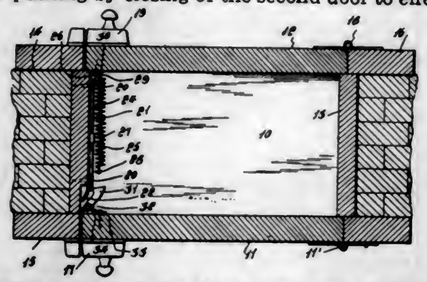
2,191,251

AUTOMATIC RECEPTACLE LOCK

John Garthe, Northport, Mich., assignor of one-fourth to Edward H. Rude and one-fourth to Oscar M. Rude, Suttons Bay, Mich.

Application October 6, 1938, Serial No. 233,683
1 Claim. (Cl. 232—41.4)

In a locking device having a bar provided with a slot for engagement by a latch carried by a door, and a bar slidable relatively to the first bar controlled by another door; a spring urging the second bar into the path of movement of the second door, the second bar being of a length for pushing by closing of the second door to effect



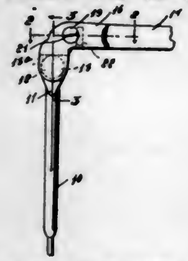
disengagement of the latch from said slot, the first mentioned bar having a curved portion in which said slot is provided, the other bar at the corresponding end having a portion which may be deflected away from said curved portion to enable the latch to enter between such portions to effect engagement with said slot.

2,191,252

EYEGLASS TEMPLE CONNECTION

Grover C. Greene, Marion, N. C., assignor of one-half to Princhas N. De Vere, Marion, N. C.

Application September 15, 1938, Serial No. 230,135
3 Claims. (Cl. 88—53)



1. In a mounting of the class described, lens-mounting jaws, a temple split inwardly from one end providing portions normally urged away from each other at the outer end of the temple, tenon portions extending from opposite sides of said portions intersected by the split, said jaws being separable on a line intersecting said split and having sockets extending from opposite sides of said line, said sockets being of less diameter than the normal diameter of the associated tenon portions, said tenon portions being engaged in said sockets when said first mentioned portions are compressed toward each other, so that the tenon portions will be expansive in the sockets, and means separably connecting the jaws together.

2,191,253

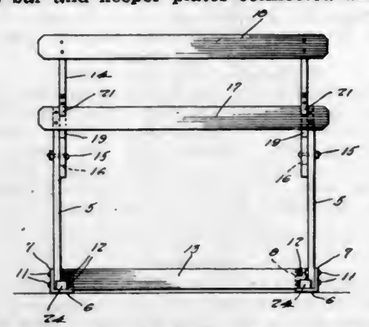
HURDLE

Ion G. Hanke, Oskaloosa, Iowa

Application May 1, 1939, Serial No. 271,154
4 Claims. (Cl. 272—59)

1. In a hurdle of the class described, a pair of standards, a cross-bar secured to and connecting the upper ends of said standards, extensions for said standards pivoted thereto, the pivot means including slots in the extensions and pins in the standards engaging the slots, said slots extending longitudinally, a cross-bar connecting said standard extensions, said extensions having

notches in their side edges for receiving portions of the cross bar of the standards, said notches being of greater length than the width of the cross bar and keeper plates connected with the



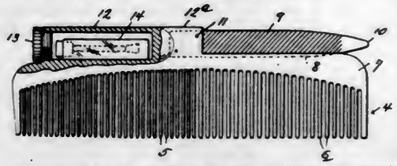
extensions and extending over portions of the notches for holding the said cross bar in said notches, when the extensions are in raised position with the pivot pins engaging the upper ends of the slots.

2,191,254

VANITY COMB

Walter Harmon, Hillsville, Pa.

Application February 17, 1939, Serial No. 256,989
2 Claims. (Cl. 132—19)



1. A composite pocket-style utility assemblage of the class described comprising a unitary body having longitudinally spaced teeth extending at right angles from one longitudinal edge thereof, the opposite longitudinal edge being provided at its center with a socketed outstanding lug, a relatively shallow groove on one side of the lug terminating at a point inwardly of an adjacent transverse end of said body, a cylinder formed integral with said last named longitudinal edge of the body, the cylinder being open at its outer end and closed and integral with said lug at its opposite inner end and a nail file having its inner end telescoping into the socket in said lug and fixed in said socket, one edge of the file being seated in said groove, the file at its outer end being pointed, and said pointed end projecting beyond the adjacent end of the groove and terminating flush with the adjacent transverse end of said body, one longitudinal edge of the pointed end being spaced from the adjacent surface of the longitudinal edge of the body to provide an intervening V-shaped crotch.

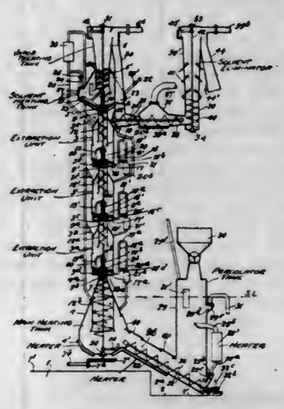
2,191,255

PROCESS IN CONTINUOUS EXTRACTION SYSTEMS OF CONTINUOUSLY REMOVING FROM SOLVENT-TREATED MATERIALS, SOLVENTS OF LOWER SPECIFIC GRAVITY

Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware

Application November 16, 1934, Serial No. 753,266
Renewed July 11, 1939
2 Claims. (Cl. 34—24)

1. In a continuous extraction system, the process of continuously removing from solvent-treated materials, solvent of lower specific gravity than such materials, comprising the continuous conveyance, in an upward direction, through a plurality of superposed steam-injection zones, of material containing traces of solvent, the subjection of such material in such zones during such movement thereof to the solvent-entraining action of jets of steam, said steam jets being



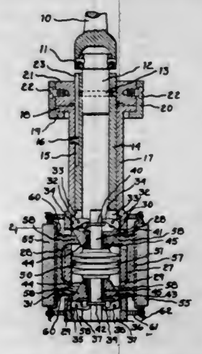
heated progressively and increased to higher degrees of temperature for each successive zone above the preceding zone, beginning at the lowermost zone and rising upwardly, whereby successive particles of solvent are entrained at successively higher zones, the continuous discharge of solvent-exhausted material, and the continuous carrying off of steam and entrained solvent above the discharged material.

2,191,256

HONE

Howard W. Dunbar, Worcester, and Herbert S. Indge, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 28, 1938, Serial No. 204,750
3 Claims. (Cl. 51—184.3)



2. In a hone, a plurality of abrasive sticks, a supporting structure supporting said sticks in parallel relation around the periphery of said supporting structure, a thermostatic device inside of said supporting structure, and mechanical connections between said thermostatic device and said abrasive sticks.

2,191,257

EGG WHITE MATERIAL AND PROCESS OF PREPARING THE SAME

Verne D. Littlefield, Beverly Hills, Calif., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application August 10, 1937, Serial No. 158,431
16 Claims. (Cl. 99—210)

1. The process of preparing an egg white product which includes acidifying raw liquid egg whites to a pH of between 5.5 and 5.8, separating the flocculent precipitate thus formed from the liquid egg whites before fermentation occurs therein and while the pH of the whites is within the range stated, and drying the separated egg whites before any substantial fermentation has occurred therein.

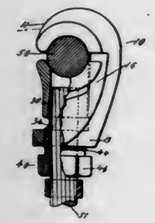
14. As a new material unfermented dried egg whites containing foam stabilizing agents occurring naturally in raw egg white and soluble in aqueous egg white solutions having a pH of 5.5 to 5.8, being free of flocculent materials insoluble in aqueous egg white solutions having a pH of 5.5 to 5.8, and being free of odors indicative of bacterial decomposition.

2,191,258

T CONNECTOR

Irving F. Matthysse, New York, N. Y., assignor to Burndy Engineering Co. Inc., a corporation of New York

Application April 18, 1938, Serial No. 202,639
2 Claims. (Cl. 287—54)



1. A T connector comprising a U-shaped body section with a semi-cylindrical channel forming one leg of the U for receiving a run conductor, and a threaded aperture in the remaining leg opposite the channel, a hollow bolt for threaded engagement with the aperture in the leg of the body section; and means positioned between said bolt and the run conductor for simultaneously compressing a tap conductor inserted into the bolt and the run conductor firmly into position when the bolt is tightened.

2,191,259

INSECTICIDE

Kaspar Pfaff and Michael Erlenbach, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 1, 1937, Serial No. 134,424. In Germany April 11, 1936
8 Claims. (Cl. 167—30)

1. Insecticides comprising a diazoamino compound free from sulfonic acid groups and carboxyl groups.

2,191,260

PROCESS OF PREPARING CHOLESTEROL

Jules D. Porsche and Fred J. Solms, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 3, 1938
Serial No. 205,867
6 Claims. (Cl. 260—397)

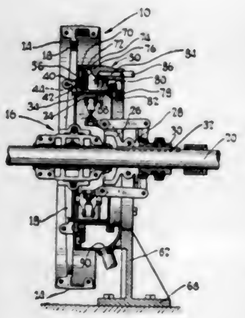
1. The method of obtaining cholesterol from animal tissue containing the same which comprises reacting the animal tissue with an alkaline saponifying agent chosen from the group consisting of alkaline earth metal oxides and hydroxides, and extracting the reaction mixture with an organic solvent for cholesterol.

2,191,261

LIQUID COOLED FRICTION RIM

Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, New York, N. Y., a corporation of Utah

Application September 10, 1937, Serial No. 163,175
5 Claims. (Cl. 192—113)



2. A liquid-cooled friction rim construction comprising an annular friction rim having an exterior cooling surface and an interior surface for frictional engagement with clutching or braking elements, means mounting said rim for rotation about its axis, means for directing a stream of liquid onto said exterior surface to cool the rim, an annular shield surrounding the rim, cooperating means on said shield and rim operative to exclude liquid from the interior of the rim, and means for discharging liquid from said shield.

2,191,262

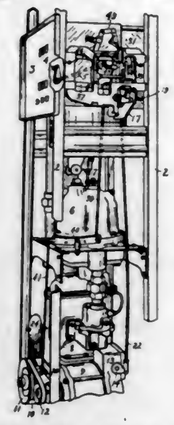
SIGNAL FOR LIQUID DISPENSING APPARATUS

Maximillian O. Trudeau, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana

Application February 26, 1937, Serial No. 127,947
7 Claims. (Cl. 221—95)

1. An automatically operated alarm for a liquid dispenser having a motor-driven pump provided with a controlling switch, a meter, a resettable indicator actuated by said meter, and a dispensing nozzle, said alarm consisting of a bell, a clapper for said bell, an interference member operable to prevent action of said clapper, and a connection between said interference

member and the resetting mechanism of said indicator arranged to move said interference



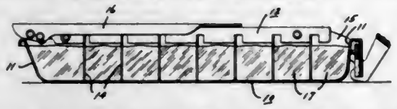
member into operating position only upon resetting of said indicator.

2,191,263

REFRIGERATING APPARATUS

Charles E. Waring, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio., a corporation of Delaware

Application August 13, 1937, Serial No. 158,990
8 Claims. (Cl. 62—108.5)



1. A freezing device for refrigerating systems comprising a metallic tray adapted to contain water to be frozen, the metal surfaces of said tray which confine the water therein being anodized and having a water-repellent coating thereover, said coating including a mixture of vegetable wax and a halogenated rubber compound with the halogenated constituent of the compound forming highly polar molecules in said mixture which so orient themselves with respect to the anodized metal surfaces that they are strongly adsorbed thereby and render said coating substantially permanent.

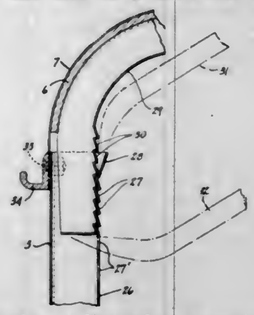
2,191,264

ROOF SUPPORT FOR VEHICLE BODIES

Ralph M. Werner, Brooklyn, N. Y.

Application December 10, 1938, Serial No. 244,940
3 Claims. (Cl. 296—137)

1. In a vehicle body, the sub-combination comprising a roof covering, supporting carlines, each having descending opposing legs, positioned at intervals beneath said roof, the opposing depending legs of each of the carlines being substantially rectilineal longitudinally thereof but being inclined slightly towards each other and each leg having a longitudinal series of ratchet teeth on the innermost face thereof, hollow supporting posts adapted to freely receive said legs, each post having an oblique top marginal portion on the inner wall thereof for the reception of a crow-bar and said posts each having a vertical series of ratchet teeth on the inner wall thereof which are similar to the ratchet teeth on said carlines and adapted to cooperate therewith, and means on said posts for admitting of the insertion of the end of a crow-bar beneath the



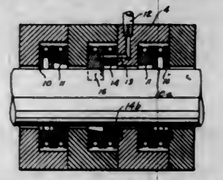
lower end of a carline when mounted in a supporting post.

2,191,265

SEGMENTAL METALLIC PACKING RING

Harley T. Wheeler, Dallas, Tex.

Application June 6, 1936, Serial No. 83,874
7 Claims. (Cl. 286—22)



1. A packing unit including two segmental rings, each ring including a plurality of segments the adjacent ends of said segments being cut on a secant of a circle to form a seat, a cap plate on each seat thus completing the circle of the ring, means to hold said segments resiliently together, said cap plates on one of said rings being tapered longitudinally on the straight side thereof contacting with said seat.

2,191,266

SOFTENING RUBBER

Ira Williams, Woodstown, and Carroll Cummings Smith, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 8, 1937, Serial No. 167,982
25 Claims. (Cl. 260—761)

1. The method of decreasing the resistance to flow of unvulcanized rubber which comprises subjecting the unvulcanized rubber to the action of a monothio-carboxylic acid in which the sulfur is in the carboxyl group, in the absence of more than about 3% of sulfur and in the absence of sufficient basic material to neutralize the action of the compound, for a sufficient length of time for said thio-carboxylic acid compound to effect a marked decrease in the resistance of the rubber to flow over that which the rubber would have if subjected to the same conditions in the absence of said thio-carboxylic acid compound.

2,191,267

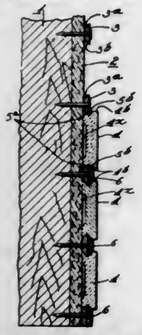
BUILDING WALL STRUCTURE

Lester E. Willson, Streator, Ill.

Application September 8, 1938, Serial No. 228,965
7 Claims. (Cl. 72—19)

1. A wall structure which includes a backing

layer which has a continuous flat outer surface, a plurality of parallel, under-cut rails projecting therefrom with their under surfaces spaced from said outer surface of the backing layer and spaced apart at regular intervals, a plurality of tiles disposed in rows in the spaces between said rails



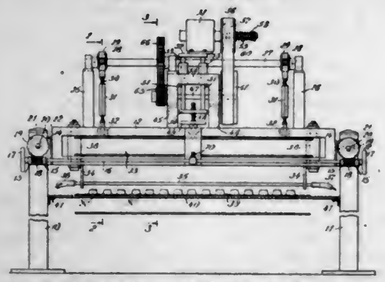
and each having portions at two opposite margins engaged between the outer face of the backing and the under surfaces of the respectively adjacent rails, said tiles being spaced apart at their ends and the edges of adjacent rows of tiles being spaced apart, and cementitious material occupying the spaces between said tiles.

2,191,268

MACHINE FOR PATTING CANDY

Louis H. Zeun, Naugatuck, Conn., assignor to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware

Application April 11, 1939, Serial No. 267,242
7 Claims. (Cl. 107—7)



1. A machine for patting candy comprising means for continuously feeding pieces of candy, a reciprocatable rod disposed above and transversely across the path of movement of the candy for engaging and patting the candy in transit, and means for moving said candy engaging rod into and out of engagement with the candy.

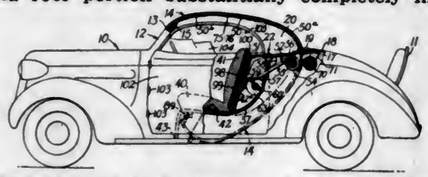
2,191,269

AUTOMOBILE BODY CONSTRUCTION

Jack M. Atwater, New York, N. Y.

Application April 14, 1937, Serial No. 136,720
13 Claims. (Cl. 296—107)

1. In construction of the character described, in combination, a vehicle body of the coupé type having a seat with a space in back of it and a space in under it and a roof portion extending forwardly over the seat and rearwardly and downwardly in back of the seat, said roof portion having rack means extending lengthwise thereof and partaking of the same curvature, gear means meshing with said rack means, and means forming a connection between said roof portion and said body for pivotally supporting the former throughout a first range of actuation of said gear and rack means to effect tilting of said top portion into said first-mentioned space and for movably supporting and guiding said roof portion for motion of translation during a second range of actuation of said gear and rack means to carry said roof portion substantially completely into



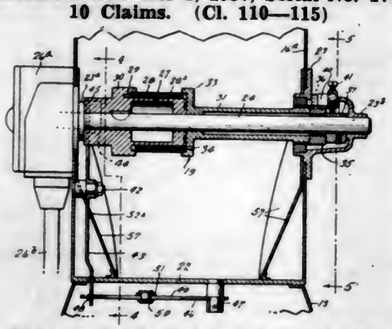
said body and to be accommodated in both of said spaces, said rack having a portion that is of a curvature appropriate to coact with said gear during pivoting of said roof portion throughout said first range of actuation and having another portion whose configuration is appropriate to maintain coaction with said gear during the motion of translation of said roof portion during said second range of actuation.

2,191,270

MECHANICAL STOKER

Lorn Campbell, Jr. and Anthony von Haase, Lakewood, Ohio, assignors, by mesne assignments, to said Campbell, Jr.

Application December 1, 1937, Serial No. 177,641
10 Claims. (Cl. 110—115)



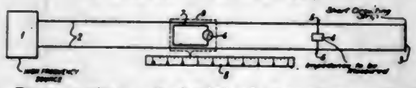
1. In a mechanical stoker, in combination, a fuel chamber, a power shaft rotatable therein, a rotatable sleeve on said shaft, a yieldable connection between said shaft and said sleeve, a shovel carried by said sleeve, means for arresting the motion of said sleeve at a predetermined point in its revolution and means for releasing said sleeve arresting means at a predetermined point in the revolution of said power shaft.

2,191,271

MEANS FOR MAKING IMPEDANCE MEASUREMENTS AT HIGH RADIO FREQUENCIES

Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 26, 1938, Serial No. 198,200
6 Claims. (Cl. 171—95)



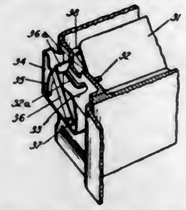
1. In a system of electrical measurement, the combination of a pair of parallel conductors, a source of high frequency energy coupled to said conductors at one end thereof, an impedance to be measured connected across said conductors at the current nodal point nearest the other end of said conductors, a sliding meter coupled to said conductors between said impedance and said source, said meter being arranged for movement along the length of said conductors, and means adjacent said conductors for determining the position of current or voltage maxima or minima on said line with respect to the location of said impedance.

2,191,272

FLUID FUEL BURNER

Lester C. Chadima, Robert C. Ilten, and Ervin L. Johnson, Cedar Rapids, Iowa, assignors to Hubbard Ice and Fuel Company, Cedar Rapids, Iowa, a corporation of Iowa

Application June 27, 1938, Serial No. 216,166
3 Claims. (Cl. 230—114)



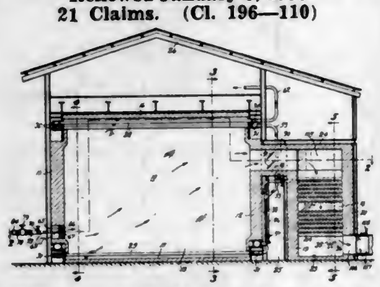
1. In a blower having an intake housing, a shutter plate within the housing, a means of pivoting the air shutter, said shutter balanced to open due to the suction of the blower and to close due to its own weight when the blower is de-energized, the pivotal means comprising a shaft extending through an opening in the side of the housing and bent over in the form of a lever arm, and a means of adjustably limiting the opening of the shutter plate comprising a limiting arm pivoted to the housing and bearing against the lever arm.

2,191,273

HEATER

Courtlandt F. Denney, Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application February 21, 1933, Serial No. 657,799
Renewed January 6, 1938
21 Claims. (Cl. 196—110)



11. The method of heating fluids which comprises passing the fluid in a confined stream through a heating zone, subjecting the fluid principally to the heat radiated from a stream of products of combustion flowing through said zone out of the path of flow of the fluid, and controlling the displacement of the stream of products of combustion from its normal direction of flow through said zone in a direction laterally of said confined stream, independently of the source of said stream, to thereby control the quantity of radiant heat absorbed by the fluid in the confined stream.

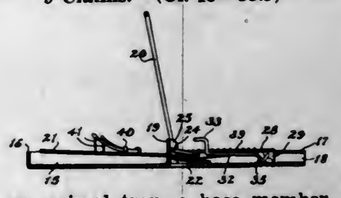
21. Apparatus for heating fluids comprising a heating chamber having a plurality of outlet openings through which products of combustion flow from said chamber, means for controlling said openings, means for passing fluid in a confined stream through the chamber, means providing a stream of products of combustion in the chamber which normally flows in substantially the direction of flow of the fluid stream, and means for causing and controlling the lateral displacement of the stream of products of combustion in the chamber by controlling the point at which the products of combustion flow from said chamber to thereby control the quantity of heat absorbed by the fluid in the confined stream.

2,191,274

ANIMAL TRAP

Einar Docken, Ottawa, Ontario, Canada

Application July 15, 1939, Serial No. 284,679
9 Claims. (Cl. 43—83.5)



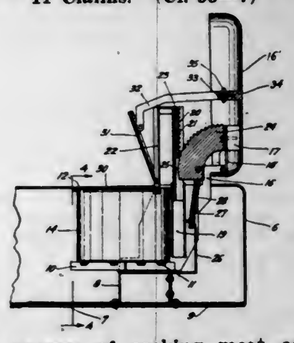
1. In an animal trap, a base member, a jaw member pivotally mounted in the base and provided with an extension arm, a bait holding platform, a trap setting member pivotally connected to the extension arm of the jaw member adapted to form a locking medium between the extension arm and the base to releasably lock the jaw member in a sprung position, operable means for releasing the trap setting member from engagement with the trap base, trigger means associated with the bait holding platform adapted to trip the trap and spring means for actuating the trap.

2,191,275

PROCESS OF COOKING MEAT AND APPARATUS THEREFOR

Fred B. Fink, Davenport, Iowa, assignor to Wafl-Berger, Inc., Moline, Ill., a corporation of Illinois

Application March 14, 1939, Serial No. 261,747
11 Claims. (Cl. 53—7)

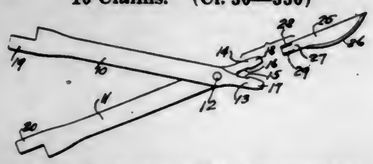


1. The process of cooking meat comprising

submerging the meat in a hot oil bath, applying pressure throughout most of the area of the surfaces of the meat, the portions of said surfaces in which pressure is not applied being distributed generally over said surfaces, and introducing hot oil from said bath onto the meat at the portions of surface where pressure is not applied.

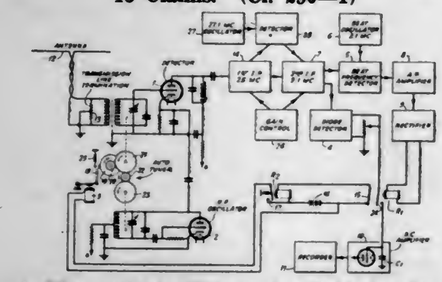
3. A meat cooking apparatus comprising a pair of plates to apply pressure to opposite sides of a piece of meat, a pot for containing oil, means to move and guide said plates vertically in said pot, and means to actuate the first named means and to apply closing pressure on said plates when moved downwardly in said pot.

2,191,276
KNIFE
Joseph A. Gardner, Memphis, and David S. Gardner, Bolivar, Tenn.
Application December 21, 1936, Serial No. 117,014
10 Claims. (Cl. 30—330)



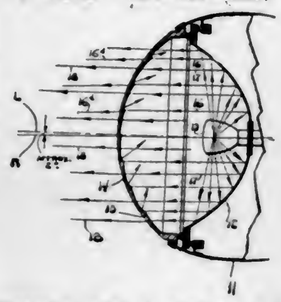
1. In a knife, a pair of handle members and a complementary detachable blade, said blade having a shank portion, each edge of said shank having a lug, said lugs extending each from a face of said shank; said handle members being pivotally secured together, and each having an integral jaw portion extending beyond said pivotal connection, said jaw portions being superposed, and having surfaces spaced apart to receive the shank end of said blade therebetween, each said jaw having a side edge notched to engage a said shank lug, said notched edges and lugs being complementary.

2,191,277
METHOD OF AND APPARATUS FOR MAKING MEASUREMENTS AT ULTRA HIGH FREQUENCIES
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 16, 1938, Serial No. 230,245
13 Claims. (Cl. 250—1)



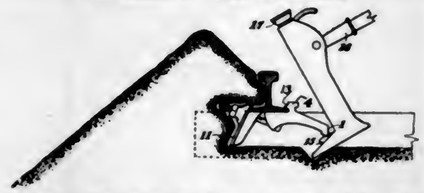
1. The method of measuring field strength at a receiver over a range of frequencies which includes the steps of radiating power which is constant over a desired range of frequencies, varying the radiated frequency at a constant rate over said desired range, receiving said continually varying frequency, rectifying the received carrier, and automatically recording said rectified carrier.

2,191,278
VEHICLE LAMP
Roy W. Johnson, Wyoming, Ohio
Application December 13, 1937, Serial No. 179,440
1 Claim. (Cl. 240—41.3)



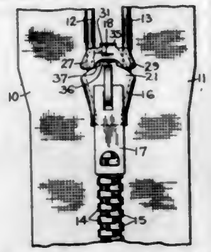
In combination with a vehicle, a lamp comprising a body, a parabolic reflector within the body, a source of light substantially at the focus of the reflector, and a closure lens for the body, said lens containing inverted prisms on its inner face, whereby the base of each is uppermost and occupies substantially horizontal placement, and fillers between the adjacent inner faces of the prisms, the surfaces of said fillers being substantially straight in transverse cross section and inclined to receive light from the reflector, the reflector axis occupying an angle to the prism faces such that light projected through the prisms will be directed substantially nonparallel with the reflector axis, said filler surfaces transmitting light from the reflector and substantially crossing that transmitted by the prisms, and means mounting the lamp on the vehicle whereby when the prism-projected light lies substantially parallel with the vehicle axis, the filler-projected light will be directed substantially toward the surface of the road over which the vehicle is traveling.

2,191,279
SHIFTING AND SKIDDING DEVICE FOR USE WITH HOISTING JACKS AND THE METHOD OF USING IT
Edward O. Keator, Dayton, Ohio
Application April 12, 1938, Serial No. 201,630
16 Claims. (Cl. 254—133)



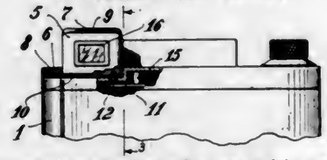
1. Apparatus for shifting a railroad track laterally, comprising a jack having a movable rack carrying a head and a shoe, a fixture to attach to a rail of said track, comprising a member extending laterally with reference to said rail, the end of said extension serving as an abutment against which the shoe is adapted to bear, the distance from said abutment to the rail being such that, with a single setting of the foot of the jack, when the rack has been extended to its limit with the shoe bearing on said abutment, retraction of the rack will bring it into such position, longitudinally, that its head can engage the rail, to the end that a second extension of the rack will move the track a second stage.

2,191,280
TOP STOP FOR SLIDE FASTENER TAPES
Max Kiessling, Waterbury, Conn.
Application December 19, 1938, Serial No. 246,602
1 Claim. (Cl. 24—205)



A top stop device for a slide fastener wherein a pair of tapes having opposing beaded edges are provided, said device including a pair of opposing flat side plates a U-shaped portion connecting said side plates, each side plate having a pair of wing portions, said wing portions being provided with converging opposed grooves to engage the beaded edges of said tapes to hold them in spaced apart relation.

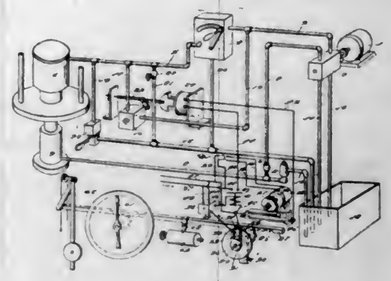
2,191,281
COMBINED PHOTOGRAPHIC CAMERA AND VIEW FINDER
Ludwig Leitz and Wilhelm Albert, Wetzlar, Germany, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application June 10, 1938, Serial No. 212,954
In Germany June 12, 1937
2 Claims. (Cl. 95—44)



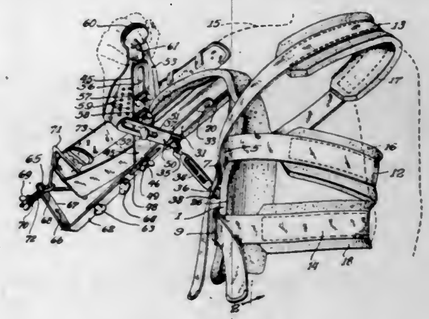
1. In combination, a photographic camera including an objective, a view finder, means for securing the view finder to the camera comprising bearing seats on the camera facing in the same direction, bearing points on the view finder facing in the opposite direction to engage said bearing seats to attach the view finder to the camera, a spring for maintaining said view finder points in movable seating engagement with said camera bearing seats and cooperating means on the camera and on the view finder for tilting the view finder about an axis passing through the said bearing seats and bearing points whereby to compensate for parallax between the view finder and the camera objective, said axis being perpendicular to the line connecting the optical axis of the finder and being in a plane perpendicular to the camera axis.

2,191,282
AUTOMATIC LOAD HOLDER FOR TESTING MACHINES
Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 26, 1937, Serial No. 133,190
12 Claims. (Cl. 265—14)

1. In an automatic load holder for hydraulic testing machines, having a high pressure cylinder, means to load the high pressure cylinder, an electromagnetic valve controlling the augmenting of pressure in the high pressure cylinder, and an electric circuit which includes the electromagnetic valve and has a circuit opening and closing device automatically controlled by the weighing system of the testing machine.



2,191,283
SPLINT
Earl E. Longfellow, Warsaw, Ind., assignor to Harry H. Leiter, Warsaw, Ind.
Application July 2, 1938, Serial No. 217,231
4 Claims. (Cl. 128—88)

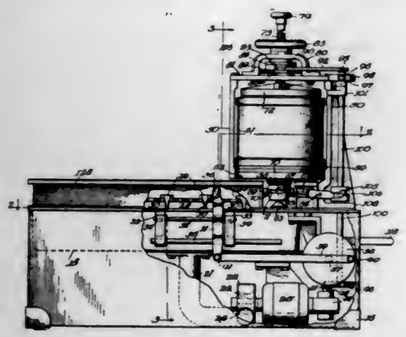


1. In a surgical appliance, the combination comprising, an upper arm support comprehending means having a slot therein extending longitudinally of the upper arm support, a forearm support comprehending manually adjustable clamping means rotatable and slidable in said slot, said forearm support having manually adjustable means to enable variations in the length thereof independently of the manually adjustable clamping means, a brace pivoted to one of the supports and having a longitudinal slot therein, and manually adjustable clamping means extending through the slot in the brace for securing the brace and the supports in fixed angular relation.

2,191,284
COOKING APPARATUS
James J. Morris, Chicago, Ill., assignor to Theodore J. Morris, Chicago, Ill.
Application April 24, 1937, Serial No. 138,761
28 Claims. (Cl. 53—7)

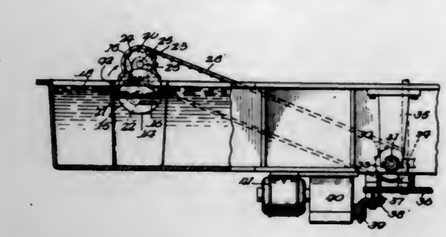
1. A cooking apparatus embodying a receptacle containing a hot cooking medium, means for advancing through the cooking medium the ar-

ticles deposited thereinto, and stationary means arranged in the path of movement of the arti-



cles by said advancing means and co-operating therewith for turning over the articles.

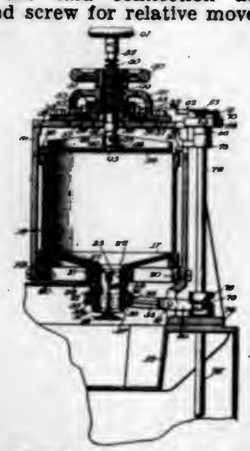
2,191,285
COOKING APPARATUS
James J. Morris, Chicago, Ill., assignor to Theodore J. Morris, Chicago, Ill.
Application August 9, 1937, Serial No. 158,071
12 Claims. (Cl. 53—7)



1. A cooking apparatus embodying a receptacle for the cooking liquid, and through which liquid the articles are progressed while being cooked, means for turning over the articles, the said means embodying a member rotatable on a horizontal axis, a paddle carried by and projecting laterally from said member in a direction lengthwise of the axis of the member, and means for rotating said member and with it said paddle, the last said means embodying a pawl and ratchet construction.

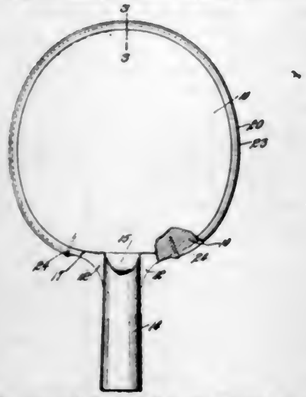
2,191,286
COOKING APPARATUS
James J. Morris, Chicago, Ill., assignor to Theodore J. Morris, Chicago, Ill.
Application December 30, 1937, Serial No. 182,537
9 Claims. (Cl. 107—14)

1. Dough delivering and shaping mechanism embodying a container, a discharge throat leading from the container, forming and cutting mechanism associated with said throat, a plunger for forcing the material through said throat and former, an actuating screw for advancing the plunger, and a connection between the screw and plunger, there being a vent opening in said plunger to permit entrance of air into the container to overcome suction created in the container as the plunger is moved therein in one direction, the said connection adapting the plunger and screw for relative movement in di-



rections lengthwise of the axis of said screw, whereby the said screw will control said vent.

2,191,287
TABLE TENNIS BAT
George H. Perryman, Clifton, N. J.
Application July 7, 1939, Serial No. 283,162
3 Claims. (Cl. 273—76)

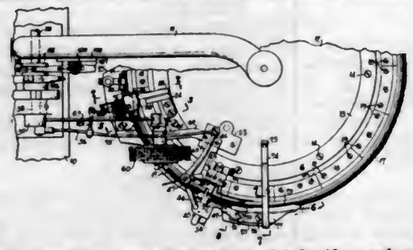


1. A table tennis bat having a body portion composed of several laminated plies including outer plies located at the opposite faces of the bat, at least one inner ply located between the outer plies and having its periphery disposed inwardly of the peripheries of the outer plies to form a groove between the outer plies, and a reinforcing member seated within said groove and having its inner edge disposed inwardly of the peripheries of the outer plies and concealed by the outer plies and its outer edge extending beyond the edge of the outer plies to thereby protect the same.

2,191,288
METHOD AND MEANS FOR LOOPING HOSIERY
John A. Pons, Morganton, N. C.
Application July 2, 1937, Serial No. 151,719
4 Claims. (Cl. 112—25)

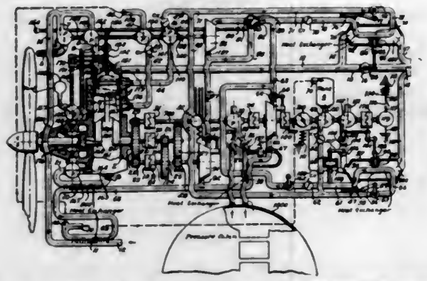
1. In a dial looper for uniting the selvedge edge of the heel portion and the ravel edge of the foot

portion of a full-fashioned stocking having means for imparting rotation thereto, said looper having a plurality of points for penetrating the selvedge edge at its extreme edge and for penetrating the ravel edge at a point removed from its extreme edge, a stationary guard disposed immediately outside the path defined by the points in



their rotation and beneath which the selvedge edge is adapted to pass, a reciprocable knife having means for reciprocating the same across the upper side of said guard and across and above said points to sever the ravel edge down to the loops disposed on said points, and means for looping the two edges together.

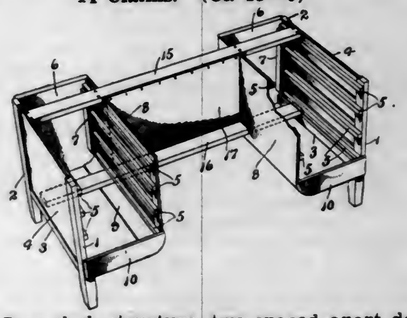
2,191,289
BINARY CYCLE POWER PLANT
Nathan C. Price, Seattle, Wash., assignor to Sirius Corporation, a corporation of California
Application May 21, 1937, Serial No. 144,006
9 Claims. (Cl. 60—11)



4. A power plant system for an aircraft comprising a propeller for propulsion, an aircraft accessory power consumer, a first engine for driving said propeller, a first working fluid at a relatively high temperature level for operating said first engine, a combustion chamber for producing heat to form said first fluid, a second engine for driving said consumer, a second working fluid at a relatively low temperature level for operating said second engine, a heat exchanger for generating said second fluid by waste heat extracted from said first fluid, a passenger cabin of the aircraft, a boiler for forming said second fluid by direct firing, a fuel burner for said boiler, a manifold for transferring said second fluid from said exchanger and from said boiler to said second engine, a heat output regulator for said burner, an apparatus responsive to the pressure of said second fluid in said manifold for controlling said regulator, a condenser for said second fluid being discharged from said second engine, and means for transmitting the heat dissipated by said condenser to said cabin.

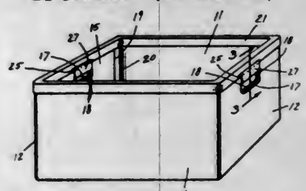
9. A propulsion system comprising a first power plant operated by a first working fluid at a higher temperature level, a second power plant operated by a second working fluid at a lower temperature level, means for bringing said first working fluid into heat transferring relationship with said second working fluid, a first valving device for regulating fuel admission to said first power plant, a second valving device for controlling flow of said second working fluid in said second power plant, and means for operatively joining said first valving device to said second valving device.

2,191,290
DESK CONSTRUCTION
Bayard E. Richardson and Richard W. Willey, Grand Rapids, Mich.
Application March 7, 1938, Serial No. 194,325
14 Claims. (Cl. 45—6)



1. In a desk structure, two spaced apart desk pedestals, and connecting supporting bars, one above the other, said bars being located in front of the rear ends of said pedestals and extending between the pedestals and secured at their ends to the outer sides thereof.

2,191,291
RIM REINFORCED CASE AND METHOD OF FORMING SAME
Clarence F. Smith, Middletown, Ohio, assignor to Inland Container Corporation, Indianapolis, Ind., a corporation
Application September 26, 1936, Serial No. 102,738
14 Claims. (Cl. 229—52)

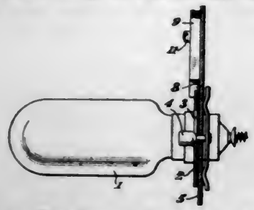


1. A case, including a body blank having a bottom, two opposed side portions integral therewith, two other, intermediate, opposed side portions integral with the bottom and reinforcing portions integral with certain of the opposed side portions and lapping the other side portions, an open type reinforcing and protective rim corresponding in outline to the bottom portion and operatively associated with the top edges of all of the portions when arranged in open top container formation for retaining the portions in open top container formation, and means detachably connecting the body and rim together for securing the blank in case formation.

2,191,292
PREFOCUS PROJECTION LAMP
John Livingston Spence, Jr., Brooklyn, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware
Application December 10, 1938, Serial No. 244,970
3 Claims. (Cl. 176—32)

2. In combination, a spring-contact lamp

socket, a support therefor, a lamp having a base fitting into said socket and a flange, means on said support engageable with said flange upon rotation of the lamp to retain the lamp base in



the socket, and a lever pivoted to said support, the end of said lever and said flange being interconnected to effect rotation of said lamp by oscillation of said lever.

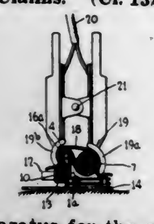
2,191,293

METHOD AND APPARATUS FOR THE PERMANENT WAVING OF HAIR

Joseph Torres, Brooklyn, N. Y.

Application May 7, 1938, Serial No. 206,510

12 Claims. (Cl. 132—36)



1. In an apparatus for the permanent waving of hair, a clamp member having a vertically extending portion and a spring portion between which the strand of hair is clamped, means to support a curler back of the vertically extending portion, means to impart a bend to the strand of hair at the top of the vertically extending portion and means to clamp the strand of hair between the vertically extending portion and a clamp member.

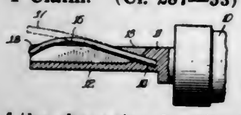
2,191,294

FASTENING MEANS FOR DETACHABLY SECURING HANDLES TO OPERATING SHAFTS

George F. Turner, Chicago, Ill., assignor to Harper-Wyman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application May 1, 1937, Serial No. 140,105

1 Claim. (Cl. 287—53)



A device of the character described, comprising a shaft, a socketed handle therefor, said shaft and handle socket being non-round in cross section, means for detachably holding said handle on said shaft comprising a longitudinal groove in said shaft, a hole in said shaft adjacent the inner end of said groove, a spring wire having its inner end mounted in said hole and extending longitudinally upwardly and outwardly in said groove, and means extending into said groove disposed in engagement with the outer end of said spring wire, said spring wire being maintained under tension between its inner end which is mounted in said hole and its outer point of engagement with said means extending into said groove, said spring wire further having its central portion projecting above the exterior surface of said shaft and its outer ends normally maintained out of contact with the bottom of said groove.

2,191,295

BITUMINOUS MATERIALS

Hans Dohse, Heidelberg, and Fritz Spoun, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 27, 1936, Serial No. 113,040. In Germany December 5, 1935

8 Claims. (Cl. 106—31)

1. The process for the production of road-building materials containing bituminous substances in intimate combination with solid substances which comprises bringing the said bituminous substances and the said solid substances together in the presence of an "adhesive" selected from the group consisting of cation-active organic derivatives of ammonia containing at least one lipophilic radical directly attached to a nitrogen atom of said ammonia derivative by means of a nitrogen to carbon bond and the analogous compounds derived from phosphorus, arsenic, antimony and sulphur.

2,191,296

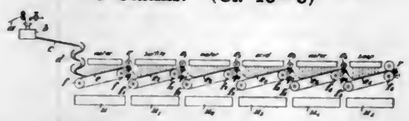
MANUFACTURE OF ARTIFICIAL FIBERS FOR SPINNING

Johannes Kleine, Dessau, Walther Zetzsche, Premnitz, and Paul Saffert, Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application November 13, 1935, Serial No. 49,536

In Germany November 14, 1934

3 Claims. (Cl. 18—8)



1. An apparatus for the continuous production of curled rayon staple fibers comprising a cutting device capable of cutting a bundle or sliver of continuous rayon filaments, attached thereto a device capable of loosening the staple fiber cuttings and of forming a continuous fleece of fibers, a perforated conveyer band operatively connected therewith so as to receive and forward the continuous fleece, a number of sprinklers mounted above said conveyer band to soak said fleece with a plurality of treating and washing liquids, and squeezing rollers arranged above said conveyer band and between the particular sprinkling devices.

2,191,297

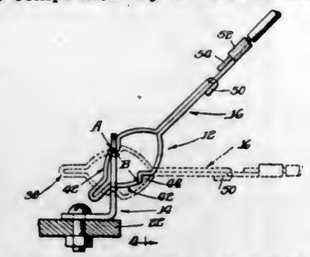
ELECTRICAL CONNECTOR DEVICE

Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application March 9, 1937, Serial No. 129,883

13 Claims. (Cl. 173—328)

7. An electrical connector device including a stamping of sheet metal providing a connector member having an aperture, and a detachable complementary connector member adapted to be electrically connected therewith as an incident to relative movement of said members, said complementary connector member having means engageable with said apertured connector member to provide a pivotal fulcrum connection, said second connector member being provided with a resilient cam surface cooperatively engageable with a complementary surface of the first con-



nector member adjacent the aperture thereof, said cam surface being so formed as to reside an increasing distance away from the fulcrum in the direction of rotation about said fulcrum, whereby, when one of said connector members is turned with respect to the other, resilient contact may be established between said members.

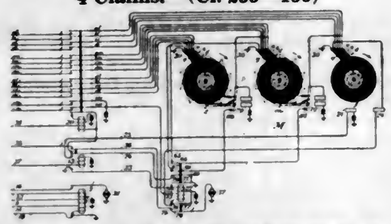
2,191,298

METERING SYSTEM

Judson O'Donald Shepherd, Atlanta, Ga.

Original application July 23, 1932, Serial No. 624,257. Divided and this application April 5, 1937, Serial No. 134,950

4 Claims. (Cl. 235—133)



1. Measuring apparatus comprising a first counting unit, driving means therefor, circuit means for electrically transmitting the value of the readings of said counting unit to a distant station, said circuit means being variably conditioned for different readings of the first counting unit, a second counting unit, control means associated with said first counting unit for varying the condition of said circuit means in accordance with the readings of the first counting unit, and means controlled by the production of a predetermined condition in the circuit means for operating said second counting unit.

2,191,299

INSECTICIDE

Lloyd E. Smith, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application October 3, 1939, Serial No. 297,727

4 Claims. (Cl. 167—30)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient iodoxybenzene.

2. An insecticide containing as its essential active ingredient o-iodoxynitrobenzene.

2,191,300

INSECTICIDE

Lloyd E. Smith, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application October 3, 1939, Serial No. 297,728

4 Claims. (Cl. 167—30)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient iodosobenzene.

2. An insecticide containing as its essential active ingredient o-iodosonitrobenzene.

2,191,301

INSECTICIDE

Lloyd E. Smith, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application October 3, 1939, Serial No. 297,729

4 Claims. (Cl. 167—30)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient phenyliodochloride.

2. An insecticide containing as its essential active ingredient o-nitrophenyliodochloride.

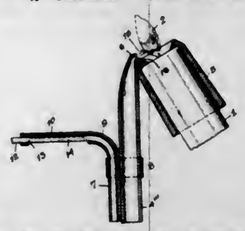
2,191,302

CANDLE LIGHTER AND EXTINGUISHER

Harrison Van Horn, Mount Vernon, N. Y.

Application January 9, 1939, Serial No. 249,936

2 Claims. (Cl. 67—6)



1. A candle lighter and extinguisher of the character described comprising a tubular member, means at one end of the tubular member for supplying air under pressure to the interior of the tubular member, a flattened nozzle at the opposite end of the tubular member for directing air in a sheet to the desired zone and a curved lip forming part of the nozzle extending from the discharge end of the nozzle and adapted to steady the tubular member when the discharge end of the nozzle is arranged opposite a flame, whereby the air passing through the tubular member may be directed in a sheet toward the flame in a plane substantially at right angles to the axis of the flame for extinguishing the flame.

2,191,303

EXPANSION CHAMBER CONSTRUCTION

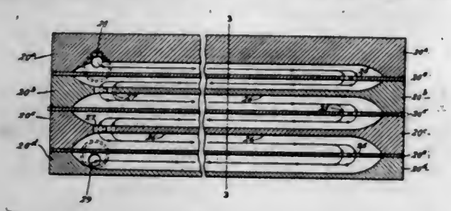
Anton Van Veen, West Hartford, Conn., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application August 1, 1935, Serial No. 34,244

3 Claims. (Cl. 62—126)

3. A heat exchange unit for a sealing mechanism of the class described, adapted to circulate a refrigerant, said unit comprising an assem-

blage of internally grooved bars and perforated plates separating said bars, said bars being bonded to said plates and the intermediate bars being perforated to provide together with said grooves



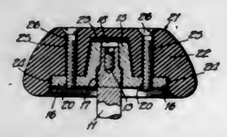
a duct for the refrigerant through the unit, said bars and plates having flat external faces lying in a common plane to engage a heated package seal over an extended area and congeal the same.

2,191,304

HANDLE REPLACEMENT FOR VALVE STEMS

William Ashendorf, Brooklyn, N. Y.

Application May 6, 1939, Serial No. 272,206
2 Claims. (Cl. 16—117)



1. A handle attachment for the stems of steam valves and the like comprising a coupling member including an upwardly tapered body which is rectangular in plan having an opening extending therethrough, the walls of the lower portion of said opening being round and the opposed walls of the upper portion thereof being square and converging upwardly to telescope and wedgingly fit upon the outer squared end portion of a valve stem, a set screw threaded in one side of said body adjacent the bottom thereof, opposed flat ears extending from said body at the bottom thereof and having threaded openings therein; a hand grip including a handle body having a recess complementary to the shape of said coupling member and opening through the underside thereof to snugly receive said coupling member, said handle body having openings extending from the top thereof to said recess and registering with the threaded openings in said ears, and screws passing through the openings in the handle body and threaded into the threaded openings in said ears.

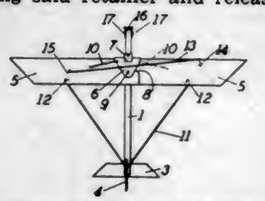
2,191,305

TOY

William B. Betts, Binghamton, N. Y.

Application November 23, 1938, Serial No. 241,962
6 Claims. (Cl. 46—80)

1. A toy airplane comprising a body, wings movable from an extended position projecting from opposite sides of the body to a rearward folded position longitudinally over the body, a rudder at the rear of the body foldable transversely thereof from an upright position to a folded position transversely of the body, a connection between the rudder and said wings holding the rudder in its upright position when the wings are extended, means for urging said wings toward their extended position, a retainer for holding the wings in folded position, and a keeper for engaging said retainer and releasably hold-



ing the same in position to maintain the wings folded.

2,191,306

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSINS AND THEIR ESTERS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 24, 1937, Serial No. 160,725
14 Claims. (Cl. 260—107)

1. The method of separating a chemically modified rosin into its components, which comprises dissolving the said material in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the material from each of the resulting solutions.

2,191,307

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSINS AND THEIR ESTERS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application August 24, 1937, Serial No. 160,725. Divided and this application April 1, 1939, Serial No. 265,547
9 Claims. (Cl. 260—107)

1. The method of separating Hyex rosin into its components, which comprises dissolving Hyex rosin in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the Hyex rosin from each of the resulting solutions.

2,191,308

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSINS AND THEIR ESTERS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application August 24, 1937, Serial No. 160,725. Divided and this application April 1, 1939, Serial No. 265,548
15 Claims. (Cl. 260—103)

1. The method of separating a chemically modified rosin ester into its components, which comprises dissolving the said chemically modified rosin ester in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the chemically modified rosin ester from each of the resulting solutions.

2,191,309

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSINS AND THEIR ESTERS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1939, Serial No. 265,549
9 Claims. (Cl. 260—107)

1. The method of separating polymerized rosin into its components, which comprises dissolving polymerized rosin in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the polymerized rosin from each of the resulting solutions.

2,191,310

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSINS AND THEIR ESTERS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 28, 1939, Serial No. 296,944
10 Claims. (Cl. 260—103)

1. The method of separating an ester of Hyex rosin into its components, which comprises dissolving the Hyex rosin ester in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the Hyex rosin ester from each of the resulting solutions.

2,191,311

METHOD FOR THE SEPARATION OF CHEMICALLY MODIFIED ROSINS AND THEIR ESTERS INTO COMPONENTS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 28, 1939, Serial No. 296,945
10 Claims. (Cl. 260—103)

1. The method of separating an ester of polymerized rosin into its components, which comprises dissolving the polymerized rosin ester in a solvent therefor, contacting the solution so formed with a selective rosin color-body solvent immiscible with the said solution, separating the selective solvent therefrom and recovering a component of the polymerized rosin ester from each of the resulting solutions.

2,191,312

DRILLING FLUID FOR COMBATING HEAVING SHALE

George E. Cannon, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 18, 1937, Serial No. 164,495
6 Claims. (Cl. 255—1)

1. A drilling fluid comprising a suspension of clay in a mixture of water and glycerol.

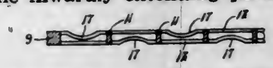
2,191,313

STORAGE BATTERY

Henry W. Carlisle, Minneapolis, Minn.

Application April 15, 1937, Serial No. 137,069
3 Claims. (Cl. 136—9)

1. In a storage battery, a plate comprising a supporting grid and an electrode material, said grid being composed of spaced open work walls made up of a network of rod-like elements, certain of said rod-like elements having substantially straight portions lying in planes defining the overall thickness of said plates, said last mentioned rod-like elements having, at spaced intervals, portions extending inwardly between said planes, the inwardly extending portions of said



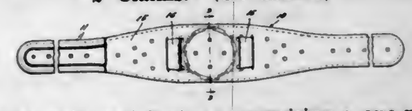
rod-like elements providing skeleton groove forms, and said electrode material being filled in between said walls and having substantially flat side surfaces between the straight portions of said rod-like elements, and said electrode material being substantially vertically grooved, the size and shape of said grooves in said material being determined by the skeleton groove forms provided by the inwardly extending portions of adjacent spaced rod-like elements.

2,191,314

WRIST WATCH STRAP CONSTRUCTION

Willard A. Davis, Providence, R. I., assignor to S. & B. Lederer Company, a corporation of Rhode Island

Application June 7, 1937, Serial No. 146,702
2 Claims. (Cl. 224—4)



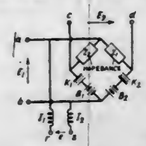
1. A wrist watch strap comprising a one piece elongated wire frame having its free ends in contiguous relation adjacent the center thereof, a metallic support plate having its edges rolled to engage the sides of the wire frame and to lock said free ends, and a covering of flexible material for said frame and said plate.

2,191,315

ELECTRIC TRANSLATION CIRCUIT

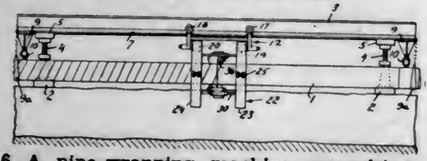
Gustave Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, a corporation of New York

Application November 1, 1938, Serial No. 238,127
In Switzerland November 25, 1937
11 Claims. (Cl. 179—171)



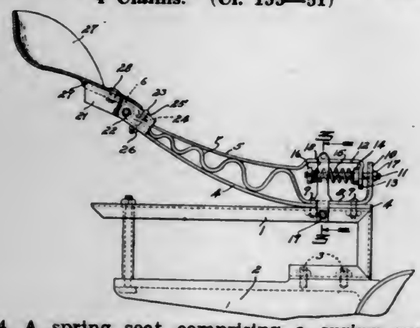
1. A four-pole circuit for translating oscillatory energy having an input and an output, an aperiodic impedance network connecting said input and output, said network including at least one variable capacitance element comprising fixed electrodes and a semi-conducting intermediate layer intimately united to at least one of said electrodes and adapted to block the electric current in at least one direction, and means for impressing a variable control voltage upon said electrodes in the blocking direction, thereby to vary the capacitance of said element within a range so as not to affect the aperiodic condition of said network to effect a corresponding control of the energy propagation factor between said input and said output.

2,191,316
MACHINE FOR WRAPPING PIPES
Marston L. Hamlin, Lynbrook, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application January 24, 1936, Serial No. 60,580
9 Claims. (Cl. 242—11)



6. A pipe-wrapping machine comprising, in combination, a monorail provided with a track, downwardly-extending supports adjacent each end of the monorail provided with means adapted to support said monorail for rolling movement along the pipe, extensible means for supporting said monorail above said pipe with said first named means out of engagement with the pipe, a wrapping frame mounted for longitudinal movement along said monorail, and a roll of wrapping material mounted on said wrapping frame.

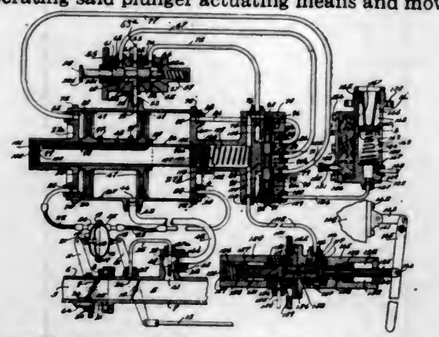
2,191,317
SPRING SEAT
Walter Howard, Detroit, Mich.
Application December 8, 1938, Serial No. 244,637
4 Claims. (Cl. 155—51)



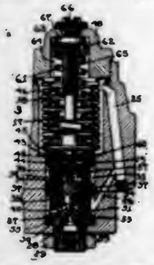
4. A spring seat comprising a spring metal member bent upon itself to form compression and tension arms, a seat pivotally secured to said member at the return bend, the compression arm being stationarily secured in position at the end opposite the seat, the tension arm being movable upon weight being applied to the seat, yieldable means resisting movement of the tension arm and a plicate spring extending between the arms.

2,191,318
TRAILER BRAKE SYSTEM
Roy Corwin Hoyt, Duluth, Minn.
Application November 22, 1937, Serial No. 175,811
18 Claims. (Cl. 188—3)

1. A brake system for a trailer vehicle adapted to be operated from an automotive tractor vehicle, comprising, a fluid pressure cylinder, a conduit leading from said cylinder to the brake system of said trailer vehicle for conducting fluid under pressure thereto to apply the brakes to said trailer vehicle, a plunger movable in said cylinder, a control device, a plunger actuating means, means for holding said control device in position with atmospheric pressure and reduced pressure applied to said plunger actuating means to hold said plunger in brake releasing position, means for operating said control device to reverse the application of atmospheric pressure and reduced pressure to said plunger actuating means for operating said plunger actuating means and moving said plunger to brake applying position to force fluid through said conduit and apply the brakes to said trailer.



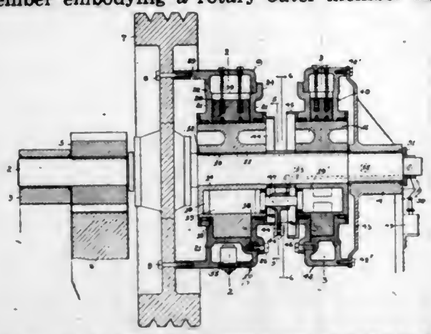
2,191,319
PRESSURE REGULATING VALVE
Joseph F. Jaworowski, Cleveland, Ohio, assignor of twenty-five one-hundredths to Sam W. Emerson, Cleveland, Ohio
Application May 14, 1937, Serial No. 142,542
8 Claims. (Cl. 137—153)



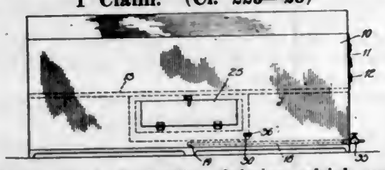
1. A pressure regulating valve embodying a body including a pressure chamber having an inlet, an outlet and a pressure release passage, a slidable pressure actuated chambered valve member within the chamber of said body adapted to control said pressure release passage, a spring pressed piston-like valve snugly fitted and slidably arranged within the chamber of said valve member adapted to control said outlet passage, and passage means in said body and said pressure actuated valve member co-operating with said pressure release passage in suddenly effecting substantial pressure differences at the opposite sides of said spring-pressed piston-like valve and therewith snap-like shifting of said valve, when said pressure actuated valve member has been shifted to a predetermined position.

2,191,320
HYDRAULIC CLUTCH AND BRAKE MECHANISM
Martin Kessler, Cleveland, Ohio
Application May 10, 1937, Serial No. 141,658
20 Claims. (Cl. 192—12)

1. In a hydraulic clutch and brake mechanism a rotary shaft, rotary driving means, a hydraulic clutch member adapted to couple said rotary driving means with said shaft, a hydraulic brake member adapted to brake said shaft when not coupled with said rotary driving means, and a single controlling means for said clutch member and said brake member, said clutch and brake members each embodying an inner member rigidly coupled with said rotary shaft, said clutch member embodying a rotary outer member rigidly coupled with said rotary driving means, and said brake member embodying a stationary outer member.

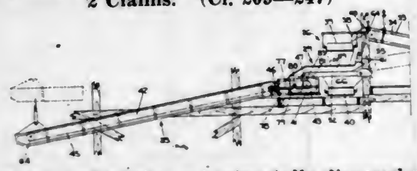


2,191,321
METHOD OF PLEATING FABRICS
James Levine, Brooklyn, N. Y.
Application May 26, 1938, Serial No. 210,217
1 Claim. (Cl. 223—28)



The method of pleating fabrics, which method consists of rolling the fabric into cylindrical shape between pressing forms, supporting said cylinders in a horizontal position and simultaneously passing steam through both ends of said cylinders towards the centers thereof.

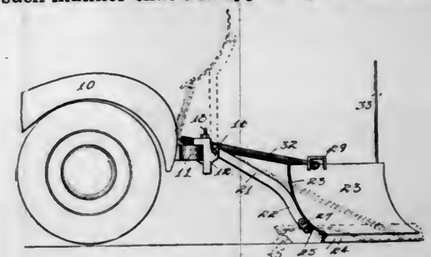
2,191,322
APPARATUS FOR HANDLING COAL
Max A. Matthews, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 26, 1937, Serial No. 150,610
2 Claims. (Cl. 209—247)



1. In combination, a horizontally disposed continuous travel mat screen, a conveyor positioned thereabove, an adjustable pivoted boom conveyor having an adjustable free discharge and positioned to feed said screen or said conveyor, and a feed chute pivoted to said screen and swingable by said pivoted boom into and out of feeding position as said boom is adjusted to feeding or non-feeding position with respect to said screen.

2,191,323
SNOW PLOW ATTACHMENT FOR AUTOMOBILES
Alfred F. Richter, Des Moines, Iowa
Application October 25, 1937, Serial No. 170,875
3 Claims. (Cl. 37—42)

1. A snow plow attachment for automobile bumpers, comprising two arms, means for pivotally connecting them to an automobile bumper in such manner that they extend forwardly and downwardly and are independently movable up and down at their forward ends, a snow plow blade, and means for pivotally connecting the forward ends of said arms to the snow plow blade in such manner that the upper edge of the snow plow blade may swing forwardly and downwardly whereby the snow plow blade may rest upon and follow the contour of a roadway independently of the position of the automobile bumper and either end of the snow plow blade may move upwardly and downwardly relative to its other end to follow lateral inclinations of a roadway over which the snow plow is being advanced.



2,191,324
RAZOR
Hyman R. Segal, New York, N. Y.
Application June 23, 1936, Serial No. 86,720
4 Claims. (Cl. 30—72)



2. A razor including a guard, a clamping plate, means for drawing said plate and guard toward each other, a projection extending from the under face of said plate to centrally tension a blade positioned upon said guard, said guard being formed with a recess to receive said projection and the extended portion of said blade, a blade positioning rib extending from and perpendicular to the face of said guard, said rib being positioned within said recess, and said plate being formed with a groove extending across the surface of said projection and to accommodate said rib.

2,191,325
FACE GUARD
Eva J. Skillen, Warwick, R. I.
Application February 9, 1939, Serial No. 255,425
3 Claims. (Cl. 2—174)

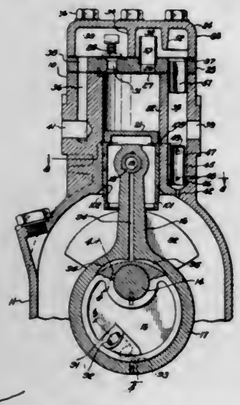
1. A face guard, comprising two substantially hemi-circular portions of transparent fabric, each of substantialy one-half the size and configuration of a wearer's face, having hems therein adjacent the upper portions of the diametric edges thereof and shaping tucks therein centrally of said diametric edges and having cut away substantially segmental portions at the lower ends thereof, providing lower edges having hems therein, secured together along their curved edges, aligning said hem portions to form tubes and expansible elastic means inserted within each of said tubular hems and having the ends thereof secured to said portions adjacent the ends of said aligned tubular hems in expanded condition to

freely contract and gather said tubular hems around said elastic means, whereby said elastic means may freely expand within said gathered hems for insertion of the upper portion of said



guard over the top of a wearer's forehead and the lower portion underneath a wearer's chin and contract to yieldingly retain said face guard over the wearer's face.

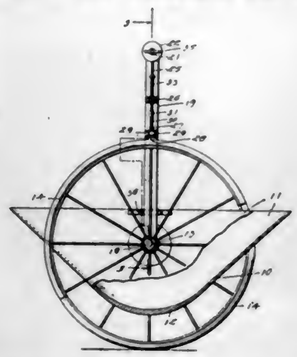
2,191,326
REFRIGERATION COMPRESSOR
Frank K. Smith and Curtis M. Brown, Tecumseh, Mich.
Application February 3, 1937, Serial No. 123,886
8 Claims. (Cl. 230—206)



1. The combination with a compressor having a crankcase, a cylinder block, and a head for the cylinder block, an inlet chamber formed in the head, a passage formed in the block and communicating with the chamber, of an oil drain extending between the passage and the crankcase, and an inverted cup disposed in the passage and positioned over said drain, said inverted cup being formed with an aperture in the side wall thereof.

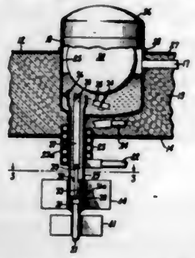
2,191,327
CART
Raymond M. Snyder, Pittsburgh, Pa., assignor of thirty per cent to Gilbert F. Wagner, Pittsburgh, Pa.
Application May 17, 1939, Serial No. 274,256
3 Claims. (Cl. 298—2)

1. A cart of the kind described comprising a hopper shaped body, stud axles at opposite sides of the body, traction wheels fitting said axles, a handle swingable on said axles, brake means fitting said handle and engageable with the wheels,



and means associated with the handle for manual control of said brake means.

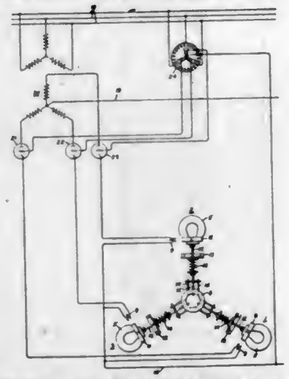
2,191,328
FLOW CONTROLLING DEVICE FOR REFRIGERATING SYSTEMS
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1937, Serial No. 134,325
6 Claims. (Cl. 62—116)



1. A refrigerating system including a compartment to be cooled, an evaporator thermally associated with said compartment, a flow controlling device in said compartment, means for supplying refrigerant to said evaporator through said flow controlling device, and means in the vicinity of said flow controlling device supplying heat to said flow controlling device for preventing accumulation of frost therein.

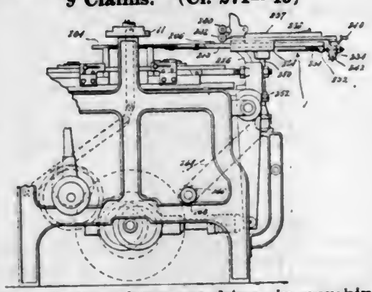
2,191,329
INDICATING SYSTEM
Ferdinand E. Strauss, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1937, Serial No. 177,494
7 Claims. (Cl. 177—311)

1. In combination, a plurality of electric circuits, a plurality of electro-responsive devices each associated with a different one of said circuits and each comprising an armature member arranged to be retained in one posiiton and to be released to a second position, an actuating element for moving said armature member to said second position, a unidirectional magnetizing element for maintaining said armature member in said one position and an associated electro-magnet for cooperating with said actuating element to effect release of said armature to said second position, the armature members lying in a plane and being arranged to move along axes lying in said plane and tending to assume certain space in common when released to the second positions whereby the members first released interfere with



later released members, and means associated with each of said armature members for controlling the relative positions of said armature members in said second positions for indicating the sequence in which said armature members have been released to said second position.

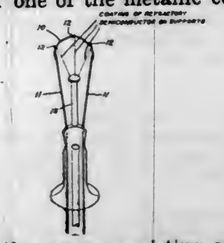
2,191,330
BOX MAKING MACHINE
Clayton Straw, Henniker, N. H., assignor to Kingsbury & Davis Machine Company, Contoocook, N. H., a corporation of New Hampshire
Original application April 13, 1938, Serial No. 201,682. Divided and this application January 21, 1939, Serial No. 252,180
9 Claims. (Cl. 271—45)



1. In a box-making machine, in combination, blank-feeding devices including an endless chain lying wholly in planes parallel to the blank while the latter is being fed thereby, blank-propelling elements mounted thereon and traveling therewith and extending at right angles to such planes and into the plane of the fed blank, and means for driving such chain.

2,191,331
ELECTRIC INCANDESCENT LAMP
Johannes A. M. van Liempt, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application December 12, 1938, Serial No. 245,281
In the Netherlands December 31, 1937
3 Claims. (Cl. 176—39)

3. In an electric incandescent lamp comprising a metal filament supported by lead-in wires and one or more eyelets, said eyelets consisting of a metal core wire having thereon a coating consisting of one of the metallic compounds se-



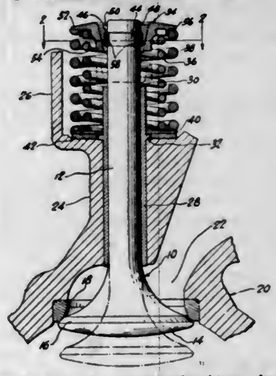
lected from the group consisting of nitrides and carbides of titanium, zirconium and tantalum.

2,191,332
IRONING MACHINE
George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application April 14, 1937, Serial No. 136,751
10 Claims. (Cl. 38—59)



8. In an ironing machine comprising cooperating pressing members including a roll: gearing for driving the roll, shifting means for effecting engagement and separation of said pressing members, means including a rotatable member for moving said shifting means to the engaged and separated positions, a gear for driving said rotatable member, intermediate gearing movable to a position completing a driving connection between said gear and said roll driving gearing, automatic means for holding the intermediate gearing in the driving position for a predetermined angular rotation of one of said gears, and means for biasing the intermediate gearing away from the driving position whereby the driving connection will be broken at the end of said predetermined angular rotation.

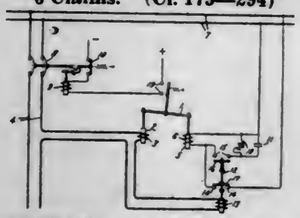
2,191,333
ENGINE CYLINDER VALVE
Andrew V. D. Willgoos, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 30, 1938, Serial No. 232,497
8 Claims. (Cl. 123—188)



1. An engine valve organization including, a valve having a stem provided with an annular

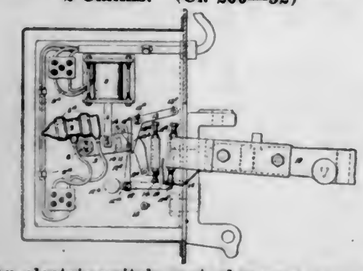
groove near its outer end, and a snap ring engageable in said groove and providing a shoulder on said stem to limit the travel of said valve in one direction and provide an anchorage for a valve spring retainer.

2,191,334
PROTECTIVE ARRANGEMENT
August Arnold, Brussels, Belgium, assignor to General Electric Company, a corporation of New York
Application February 24, 1938, Serial No. 192,369
In Germany March 3, 1937
6 Claims. (Cl. 175—294)



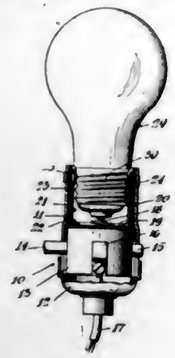
1. In combination an electric circuit, means for controlling said circuit including an ohmic responsive relay having current and voltage windings respectively connected to be energized in accordance with a current and a voltage of the circuit, and means including a fault responsive device connected to be energized from the circuit for rendering the time of operation of said ohmic responsive relay dependent on the initial value of the fault voltage and independent of any subsequent change therein.

2,191,335
ELECTRIC SWITCH CONTROL MEANS
Arthur Binns, Soho Foundry, Birmingham, England, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England
Application September 26, 1938, Serial No. 231,741
In Great Britain September 30, 1937
2 Claims. (Cl. 200—52)



1. An electric switch control means, comprising a switch of the mercury tiltable type, an overhanging lever supporting said switch, which lever normally tends, under the force of gravity, to move the switch to the circuit making position, an electro-magnetic device coupled to said lever energised upon the completion of a circuit operating to return the lever to its circuit breaking position, and a pair of locking levers one adapted to positively support the said switch carrying lever in its raised or circuit breaking position, and the other adapted to positively hold the switch carrying lever down in its circuit making position, said pair of levers co-operating with a movable element of a weighing system whereby each of the said pair of locking levers in turn is positively tripped to release the switch carrying lever.

2,191,336
THREADLESS LAMP SOCKET
Thomas E. Carroll, Bronx, N. Y.
Application June 26, 1937, Serial No. 150,517
1 Claim. (Cl. 173—358)

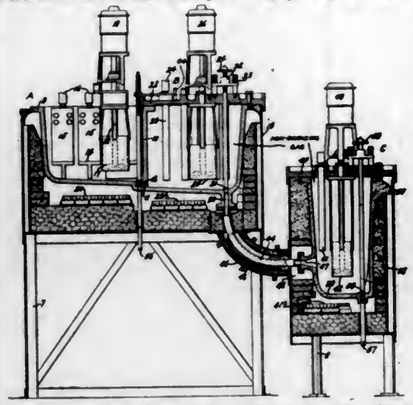


A socket for receiving and retaining a screw-threaded lamp base comprising a metal punching; said punching including a disc, a series of spaced prongs merging with the outer peripheral edge of said disc and in continuation thereof, and a series of spacers projecting laterally outwards from the peripheral edge of said disc between said prongs, the central opening in the disc being large enough to spacedly receive a central contact electrically insulated from the disc and forming one electrode of the socket, said prongs being bent substantially at right angles to said disc at the line of merger therewith to form the other electrode for the socket and a holding clamp for a lamp base, the stems of certain of the spaced prongs being longitudinally inwardly embossed to form corrugations or ribs for engaging along the surface of the lamp base transverse the screw threads at a plurality of spaced points, the tips of the other spaced prongs being inwardly curvedly bent to form spring contacts for engaging spaced arcs of a threaded lamp base, and the spacers projecting from said disc between and beyond said prongs to retain them in spaced relation to the insulating shell of the socket.

2,191,337
MELTING APPARATUS
Ernest W. Clark, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 8, 1938, Serial No. 244,627
15 Claims. (Cl. 266—33)

1. Melting apparatus comprising an open melting pot, a second pot receiving molten material from the first, a sealed pouring pot receiving molten material from the second pot, casing means for the pots, immersion electric heaters within each of the pots, a self draining discharge spout for the pouring pot having an upwardly extending portion, the lower end of which is normally submerged in the molten material, and a second portion extending downwardly from the first, the union of the two portions being located above the level of the molten material, means supplying a non-oxidizing gas to the pouring pot under sufficient pressure to force molten material upwardly and then downwardly through the portions of the discharge spout, and other automatically acting means directly opening into the spout for supplying a non-oxidizing gas thereto to prevent admission of air to the pouring

pot and spout when the gas pressure on the molten material within the pouring pot is so reduced

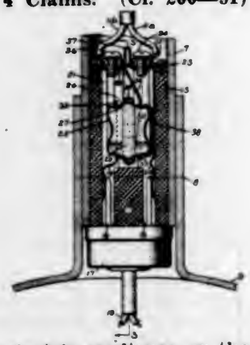


as to stop the flow of molten metal through the spout.

2,191,338
STABILIZED MINERAL OIL
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 7, 1938, Serial No. 218,039
5 Claims. (Cl. 154—2.6)

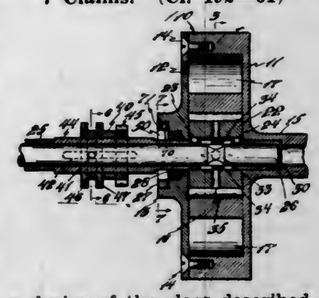
1. A composition of matter comprising as essential ingredients mineral oil and a wood resin, the proportion of the wood resin by weight being within the limits of about one-tenth to three per cent of the mineral oil.

2,191,339
COMBINED CONNECTOR AND SWITCH
Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application August 19, 1937, Serial No. 159,903
4 Claims. (Cl. 200—51)



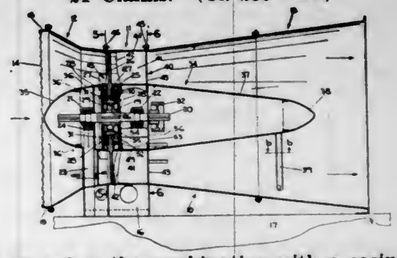
1. In an electric appliance or the like having a movable handle, a combined connector and switch in circuit to the appliance carried in fixed relation to said handle comprising a unitary housing having line terminals for connection with line conductors, contacts for connection with a separable attachment plug, a liquid contact circuit closer in said housing having an envelope including opposed cup-shaped terminals, contact strips respectively connected at one end to one of said contacts and one of said line terminals and at the other end fitting over and connected to one of the cup-shaped terminals of the circuit closer for supporting the circuit closer, and means connecting the other of said contacts and the other of said line terminals, the circuit closer being positioned so that the circuit to the appliance is controlled in accordance with the inclination of the handle.

2,191,340
HYDRAULIC TRANSMISSION MECHANISM
John T. Corrigan, Newport, R. I.
Application June 6, 1938, Serial No. 212,115
7 Claims. (Cl. 192—61)



1. In a device of the class described, a hollow closed cylindrical casing containing fluid, an arcuate partition member within the casing concentric therewith forming two separate intercommunicating compartments, a drive shaft having a hollow end portion extending into the casing through one of the compartments, the portion of the shaft within the compartment being provided with a plurality of circumferentially spaced graduated ports around the periphery thereof, intermeshing pump gears in one compartment, one of said gears being operatively connected with the drive shaft, means for connecting the casing to the other gear, pockets in the casing associated with the pump gear compartment at opposite sides thereof and spaced above and below the entrance and discharge passages of the pump gears, passages in one of said pump gears forming fluid communication between the two pockets, and speed controlling valve means slidable within the drive shaft and one gear adapted to be operated for controlling the flow of fluid between the two pockets whereby the pressure of the fluid as it is carried upwardly into the upper pocket during rotation of the gears will act in opposition to the path of movement of the gears whereby they may be held against or controlled in rotation to cause the casing to rotate with the drive shaft.

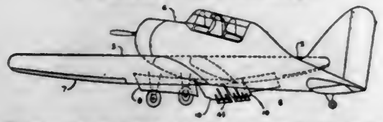
2,191,341
VENTILATOR
Morton B. Curley, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application February 26, 1937, Serial No. 127,897
21 Claims. (Cl. 230—120)



1. In a fan, the combination with a casing, of a rotor having fan blades, and a plurality of iden-

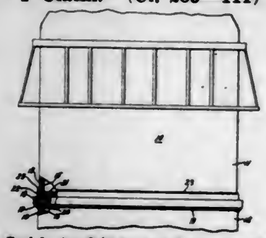
tical guide vanes each formed as a casting having an integral hub and integral peripheral cylindrical segment, said hub and peripheral segments having their central axial lines out of alignment with each other and cooperating to provide continuous hub and casing cylinders.

2,191,342
AIRCRAFT WING
Alexander P. de Seversky, Northport, N. Y., assignor to Seversky Aircraft Corporation, a corporation of Delaware
Application September 17, 1936, Serial No. 101,243
Renewed June 24, 1939
5 Claims. (Cl. 244—42)



1. In an aeroplane, a wing structure having a center flap beneath the fuselage pivoted to flex downward to increase the camber of the lower wing surface and side flaps on either side thereof also pivoted to flex downward to increase the camber of the lower wing surface and movable independently of the first mentioned flap, together with means for flexing the flaps downward at different relative angles, said means connected to first move the side flaps downward and then the center flap downward.

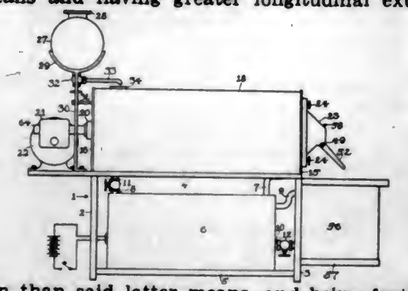
2,191,343
ELASTIC FLUID TURBINE CONDENSER ARRANGEMENT
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 15, 1938, Serial No. 196,006
1 Claim. (Cl. 285—111)



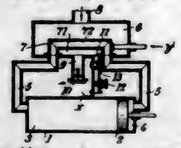
Elastic fluid turbine condenser arrangement comprising a turbine having a casing forming an exhaust conduit, a condenser having an inlet conduit with a face spaced irregularly from the face of the exhaust conduit, and means connecting the two conduits comprising a flange at the opening of one of the conduits and projecting inwardly and outwardly from the inner and outer surfaces respectively of such conduit, a strip welded to the other conduit to back up the irregular opening between the other conduit and the flange, and a weld uniting the other conduit and the strip with the flange.

2,191,344
CONTINUOUS CONFECTION FREEZING APPARATUS
Charles Erickson and Erick Spellman, New York, N. Y.
Application December 20, 1937, Serial No. 180,691
12 Claims. (Cl. 62—114)

1. An apparatus for continuously freezing ice creams, fluid custards and the like, comprising a fixed hollow cylinder, means for exteriorly cooling said cylinder to freeze the contents thereof, said cylinder having one end closed and being provided in the upper portion of the same with a receiving cup connected with the interior of said cylinder and also having at the other end a removable discharging head, a feed shaft rotatably disposed within the cylinder and connected through the closed end of the latter with an exterior power drive, there being a bearing in said closed end for said shaft and said shaft having a bearing at the other end in said discharging head, at least one agitating means secured upon the feed shaft below the general position of said receiving cup for agitating fluid entering the cylinder from said cup, a scraper secured on said feed shaft in approximately the same portion of the cylinder as said agitating means and having greater longitudinal extension than said latter means, and being further disposed at a different angular position with respect to the axis of the shaft than said means, there being also an opening in the discharging head allowing the rotation of the shaft to cause feeding of frozen mixture scraped by said scraper from the walls of said cylinder out through said opening in said head to the exterior of the apparatus, there being also means for supplying liquid creams, custards and the like to said receiving cup, and at least one additional scraper secured on the feed shaft intermediate said first scraper and the discharging head and formed with a definite screw pitch in order to feed the frozen mixture forward from said agitating means and said first mentioned scraper toward the discharging head, and further means secured upon the shaft extending into said head for forcing the frozen material received from said additional scraper through the opening in said head.

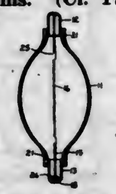


2,191,345
METHOD OF AND APPARATUS FOR DRAWING GASEOUS FLUIDS FROM RECEPTACLES
Wolfgang Gaede, Karlsruhe, Germany, assignor to E. Leybold's Nachfolger Kommandit-Gesellschaft, Cologne-Bayental, Germany, a joint-stock company of Germany
Application December 21, 1936, Serial No. 117,021
In Germany December 21, 1935
8 Claims. (Cl. 230—1)



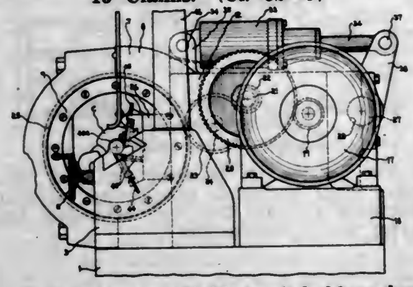
1. In the operation of evacuating a vessel by means of a high vacuum pump having a chamber that intermittently and repeatedly is connected with and disconnected from the vessel to be evacuated and that is alternately filled by enlargement and emptied by contraction, the method herein described of preventing condensation of vapor upon the chamber walls that consists in admitting to the chamber after its enlargement and before its contraction is completed an augmenting volume of vapor-absorbing gas.

2,191,346
ELECTRIC LAMP OR SIMILAR DEVICE AND METHOD OF MANUFACTURE
Alfred Greiner, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 30, 1937, Serial No. 139,912
10 Claims. (Cl. 176—29)



1. A miniature electric lamp comprising a double-ended glass envelope having tubular end portions, a pair of tubular thimble-shaped metallic end contact members fused along their sides directly to the walls of the end portions of said envelope and forming part of the envelope, and a filament united at its ends to said end contact members and supported solely thereby.

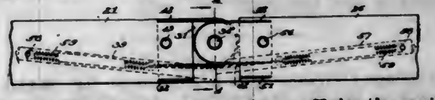
2,191,347
CRANKSHAFT LATHE
William F. Groene and Harold J. Sickmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application February 21, 1938, Serial No. 191,718
13 Claims. (Cl. 82—9)



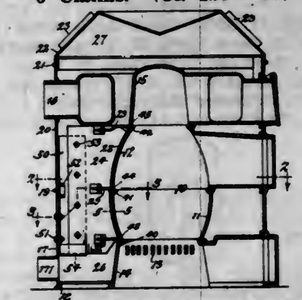
1. In a lathe, a rotatable work holder adapted to engage a work piece having cylindrical and radially extending surfaces, a tool carrier movable relative to said work piece perpendicular to its axis of rotation in the work holder, a tool holder carried on said tool carrier, a shaving tool mounted on said tool holder adapted to machine the cylindrical portion of said work piece, a facing tool mounted on said tool holder adapted to machine radially extending surface on said work piece, means for rotating said work holder, and means for feeding said tool carrier.

2,191,348
DUST MOP HANDLE OR THE LIKE
Karges E. Lauterbach, Irondequoit, N. Y.
Application January 11, 1939, Serial No. 250,385
5 Claims. (Cl. 287—86)

2. A handle for mops, brooms, and the like comprising two handle sections, a pivotal connection between said two sections permitting them to swing relatively to each other in one plane and holding them against deflection relatively to each other out of said plane, cooperating abutment parts on said two sections to limit swinging movement in one direction to a substantially straight-line position, and spring means tending to hold said two sections in said straight-line position, said spring means being sufficiently resilient to permit said two sections to be swung to an angle with respect to each other by application of external force, said pivoted connection and said spring means being substantially entirely within the external outline of the handle in its straight-line position so as to provide a substantially smooth exterior surface substantially free from projections likely to hit and mar furniture.

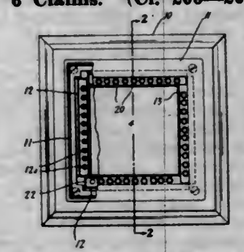


2,191,349
HOT AIR FURNACE ATTACHMENT
Carl Lengyel, Buffalo, N. Y.
Application September 7, 1938, Serial No. 228,810
6 Claims. (Cl. 126—118)



1. A hot air furnace comprising a heating chamber, a casing enclosing said heating chamber and forming an air chamber therebetween, a plurality of upright radiating fins arranged in said air chamber and engaging their inner edges with the exterior of said heating chamber, a plurality of upright supporting bars secured to the inner side of said casing and each bar overlapping one of said fins, and means for guiding each radiating fin on the respective supporting bar preparatory to connecting each fin with its bar.

2,191,350
MATCH CONTAINER
Henry W. Matalene, New York, N. Y.
Application October 7, 1938, Serial No. 233,880
6 Claims. (Cl. 206—20)



1. A match container comprising a base, a ver-

tical cylinder supported thereby and made in separable upper and lower portions, a cylindrical receptacle carried by the upper portion of the cylinder and having an open top, and a cylindrical tray adapted to be removably inserted into said receptacle but having a smaller diameter, thereby providing an annular space for the reception of a series of matches arranged vertically therein and held in place by the walls of the receptacle and the tray.

2,191,351

COMBINATIONS OF A SOURCE OF RADIATION WITH MATERIAL ADAPTED TO BE EXCITED TO LUMINESCENCE BY THE RADIATION

Alfred Hamilton McKeag, Kenton, and John Turton Randall, Northfield, Birmingham, England, assignors to General Electric Company, a corporation of New York

No Drawing. Application April 13, 1938, Serial No. 201,810. In Great Britain April 16, 1937
2 Claims. (Cl. 250—81)

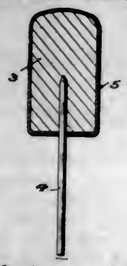
2. A luminescent material consisting of a cadmium chloro-phosphate with part of the cadmium replaced by manganese and corresponding substantially to the formula $(Cd, Mn)_5 (PO_4)_3Cl$.

2,191,352

FROZEN CONFECTION AND COATING

Sabin Oprean, New York, N. Y., assignor to Julia Oprean, New York, N. Y.

Application January 19, 1937, Serial No. 121,311
Renewed July 20, 1939
22 Claims. (Cl. 99—134)



1. A food product comprising a core of frozen confection enclosed in a sheath containing a substantially stable jellied emulsion of an edible oil in an aqueous gelatin solution.

8. A coating for confections comprising a flavored and colored jellied emulsion containing gelatin and at least 10% of an edible oil.

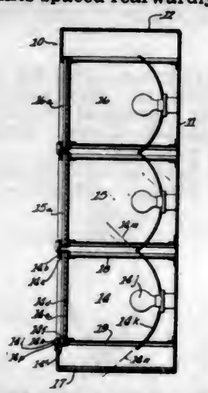
2,191,353

ILLUMINATED SIGN FOR REMOVABLE LETTERS

Bernard B. Poblocki, Milwaukee, Wis.

Application August 13, 1937, Serial No. 158,829
5 Claims. (Cl. 40—132)

1. An illuminating frame for a plurality of vertically spaced horizontal rows of individually removable sign letters, including a plurality of vertically spaced units respectively for the different rows, each of said units comprising a front portion providing vertically spaced upper and lower horizontal grooves, a vertical backing sheet of transparent material retained by said grooves at the rear thereof, said upper and lower grooves each providing space at the front of the backing sheet for removably receiving an upper and lower portion of horizontally spaced letters in various horizontal positions thereof, the front portion of each of the lower grooves being removably fixed in position whereby for each row of letters the letters retained by said grooves may be removable frontwardly upon removal of said front groove portion, individual reflectors for each of said units spaced rearwardly of the transparent sheet, and a horizontal row of illuminating bulbs spaced in front of each of the reflectors, the reflectors each being curved on a horizontal axis and positioned sufficiently to the rear of the illuminated sheets to effect reflection both to the letters of the associated unit and to the letters of an adjacent unit, said frame being interiorly open to permit such reflection.

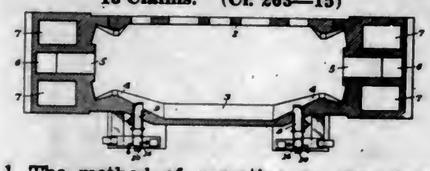


2,191,354

OPEN HEARTH FURNACE AND METHOD OF OPERATING THE SAME

Henri Rateau, Weirton, and Edward D. Gossett, Hollidays Cove, W. Va.

Application August 15, 1939, Serial No. 290,166
13 Claims. (Cl. 263—15)



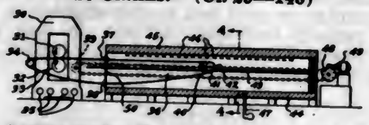
1. The method of operating an open hearth furnace which comprises introducing pre-heated combustion air into the zone extending along the rear wall of the furnace.

2,191,355

PRODUCTION OF HIGH GRADE SHEET AND STRIP STEEL FROM NONREFINED MOLTEN STEEL

Tadeusz Sendzimir, Paris, France

Application November 30, 1937, Serial No. 177,296
In Germany December 3, 1936
16 Claims. (Cl. 29—148)



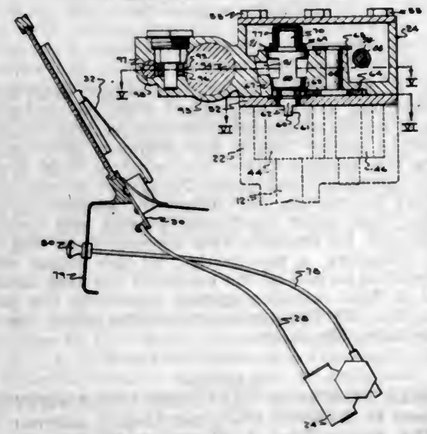
1. A process for the production of refined steel strip of fine gauges from a less refined molten metal, which includes the steps of producing an ingot of relatively thin section and preferably hollow shaped, and subjecting said ingot to an initial heat treating operation under the influence of a reducing atmosphere in a furnace, then to a rolling operation in a mill, and thereafter alternating heat treating operations with rolling operations to obtain a further refinement of the metal by a combined atmosphere and temperature action upon the said metal, improving chiefly the condition of the surface layer of metal while on account of said rolling operations, said surface layer increases in relation to the weight.

2,191,356

WINDSHIELD WIPER MECHANISM

Samuel A. Snell, Jackson, Mich., assignor to Townsend F. Beaman, Jackson, Mich., trustee

Application June 21, 1939, Serial No. 280,281
7 Claims. (Cl. 15—253)



1. In combination with the oil pump of the lubricating system of a motor vehicle, an oil pressure operated driver for actuating an accessory, conduit means including a valve for directing oil under pressure against said driver extending between said oil pump and said driver, and a driving connection between said valve and said oil pump.

6. In combination with a vehicle having a substantially positively driven part and a source of fluid pressure, of a windshield wiper and an actuating mechanism connected to and deriving its actuating power from said source of fluid pressure, a valve for controlling the flow of fluid pressure to said actuating mechanism and the frequency of operation of the wiper upon the windshield, said valve being driven independently of said actuating mechanism and independent of the operating stroke of said wiper, and speed reducing means interposed between said valve and said driven part for imparting to said valve a cycle of operation producing effective wiping action upon the windshield.

2,191,357

METHOD OF TREATING PETROLEUM EMULSIONS

Jesse B. Staten, Wichita Falls, Tex., assignor to Kactus Company, Inc., St. Jo, Tex., a corporation of Delaware

No Drawing. Application December 15, 1937, Serial No. 180,027
10 Claims. (Cl. 196—4)

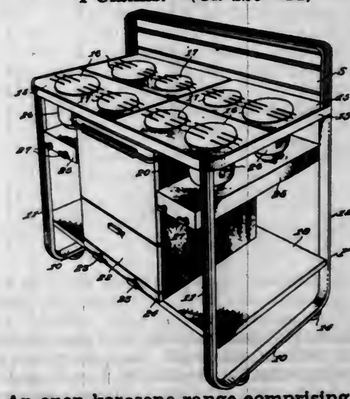
1. A method of breaking petroleum emulsions of the water-in-oil type comprising treating the emulsion with cactus juice.

2,191,358

OIL RANGE TOP CONSTRUCTION

Jacob Teller, Chicago, and Arthur P. Schulz, Hinsdale, Ill., assignors to G. & J. Teller, Chicago, Ill., a partnership composed of Grace Teller and Jacob Teller

Application June 15, 1938, Serial No. 213,904
4 Claims. (Cl. 126—44)



1. An open kerosene range comprising a frame, a shelf supported by the frame adjacent the bottom thereof, an oven supported by the shelf centrally of the frame, a plane cooking top above the oven and projecting over the shelf, a horizontal burner supporting member disposed between the shelf and cooking top at each side of the oven, and a pair of kerosene burners for the cooking top supported by each of said members.

2,191,359

LANDING GEAR FOR AIRCRAFT

Peter Warborn Thornhill, London, England, assignor to John Henry Onions, Warwickshire, England

Application November 26, 1938, Serial No. 242,579
In Great Britain November 30, 1937
13 Claims. (Cl. 244—104)



1. An aircraft shock absorber comprising a pair of tubular members arranged to move relatively in both a telescopic sense and also rotationally about their common axis, resilient means to resist shortening telescopic movement of the shock absorber, a piston which displaces liquid from a working space as the two members are moved in a rotational sense away from a predetermined angular position one relative to the other irrespective of the extent to which the shock absorber is axially loaded, and damping means acting to restrict the flow of liquid from said working space, and thus to damp the rotational movement away from said angular position also irrespective of the extent to which the shock absorber is axially loaded.

2,191,360
BACK REST
Harvey O. Westenbarger, Sapulpa, Okla.
Application June 12, 1939, Serial No. 278,795
2 Claims. (Cl. 155—182)



1. A back rest comprising a frame including a pair of vertical side rods, said side rods comprising substantially U-shaped lower end portions, said side rods further including rearwardly directed upper end portions, connecting tubes extending between the end portions of the rods, inturned arms on the ends of the rods engaged in said tubes, and a flexible cover mounted on the frame, said cover including pockets on its vertical marginal portions enclosing the side rods, said cover passing over the tubes, and means connecting the ends of the cover together at the rear of the frame.

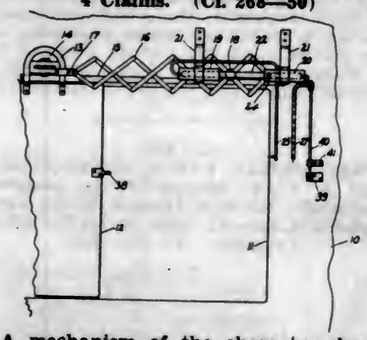
2,191,361
MANUFACTURE OF AMINO-TRIAZINE
Gustave Widmer, Willi Fisch, and Josef Jakl, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del., a corporation of Delaware
No Drawing. Application December 2, 1936, Serial No. 113,936. In Switzerland December 14, 1935
12 Claims. (Cl. 260—24)

1. Process for the manufacture of 2.4.6-triamino-1.3.5-trazine, wherein a cyan derivative of ammonia of the formula $(CN_2H_2)_x$, wherein x represents a whole number not greater than 2, is heated with ammonia at temperatures substantially above 100° C. but not appreciably above 300° C. in presence of at most 10 per cent. of water based on the weight of the cyan derivative used.

2,191,362
TREATMENT OF TEXTILE MATERIALS
Gustav Widmer, Basel, and Willi Fisch, Muttenz, near Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del., a corporation of Delaware
No Drawing. Application June 9, 1937, Serial No. 147,384. In Switzerland June 27, 1936
6 Claims. (Cl. 91—70)

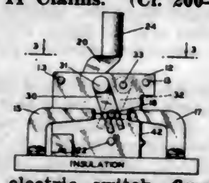
1. Process for treating textile materials with hardenable condensation products obtained from aldehydes and aminotriazines as essential reactants, wherein the textile material is impregnated with the condensation product or its components whereafter the condensation product thus formed or incorporated is insolubilized at temperatures between room temperature and about 100° C.

2,191,363
GARAGE DOOR
William M. Winans, Monrovia, Calif.
Application October 14, 1938, Serial No. 235,052
4 Claims. (Cl. 268—50)



1. A mechanism of the character described, comprising a door suspended from an overhead track, a pair of spaced cylinders parallel to said track, a piston within the cylinders and spanning the space between the same, a fluid pressure system for operating the piston in said cylinders for moving the piston in opposite directions, lazy tongs connected at one end to the door and its opposite end connected to one of the cylinders, a pin carried by the piston and connected to one of the pivots of the lazy tongs, and a fluid pressure system operating the piston, whereby the movement of the piston opens and closes the door.

2,191,364
THREE POSITION ELECTRIC SNAP SWITCH
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application October 12, 1936, Serial No. 105,341
11 Claims. (Cl. 200—6)



1. In an electric switch, fixed and movable contacts, mechanism for moving said movable contact through a succession of intersecting arcs comprising a plurality of pivoted members having spaced pivotal axes, an over-center spring, means constructed and arranged to move the line of action of said spring through the pivotal axes of said pivoted members, and a sliding connection between the swinging ends of said pivoted members.

2,191,365
PROCESS FOR PURIFYING SUGAR JUICES AND SOLUTIONS
Robert Boyd, Vancouver, British Columbia, Canada
No Drawing. Application April 12, 1938, Serial No. 201,638
7 Claims. (Cl. 127—46)

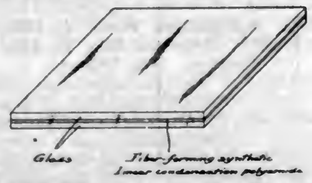
3. A process of purifying sugar solutions which consists in treating the solution with a resin derived from a catechol-tannin by treatment with concentrated sulphuric acid and then with formaldehyde.

2,191,366
ROLL SCRAPER
Dario Buccicone and Charles M. Shank, Gary, Ind.
Application January 15, 1938, Serial No. 185,208
5 Claims. (Cl. 15—236)



1. A scraper for scraping and cleaning the surface of rolls comprising a longitudinally extending split tubular member which is inherently resilient in a plane perpendicular to the axis thereof adapted to be arranged substantially parallel to the roll with which it is to be used with at least one of the edges of said slot terminating in a flanged portion, a scraping blade mounted on said flanged portion, said scraping blade adapted to be maintained in yieldable contact with the surface of the roll, means for rigidly supporting said tubular member adjacent the opposite edge of said slot, and means for limiting the outward movement of said scraping blade away from said roll.

2,191,367
LAMINATED PRODUCT
Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Point de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 15, 1937, Serial No. 125,888
14 Claims. (Cl. 49—92)

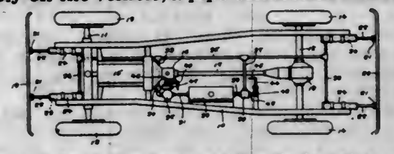


9. A laminated product comprising a sheet of glass having bonded thereto a sheet of synthetic linear condensation polymer, said polymer being one capable of being drawn into fibers which upon X-ray examination exhibit orientation along the fiber axis.

12. A double window glass comprising at least two sheets of glass having a sealed air space between and spaced by glass strips at the edges, said glass sheets and strips being bonded by a film of synthetic linear condensation polymer, said polymer being one capable of being drawn into fibers which upon X-ray examination exhibit orientation along the fiber axis.

2,191,368
AUTOMOBILE BUMPER
Daniel J. Cavanaugh, Holyoke, Mass.
Application March 19, 1938, Serial No. 197,019
3 Claims. (Cl. 293—55)

1. The herein described parking-line-space-holding means for automobiles and the like, comprising an otherwise conventional transverse bumper element proper mounted adjacent its opposite ends with provision for extension and retraction relative to the adjacent end of the vehicle, means for yieldably holding said bumper element proper in a normally retracted but conventionally operative position and reacting to automatically retract said element to such normal position after extending operation thereof, and fluid pressure means for actuating said bumper element proper to an extended parking-space-holding position and for releasably holding it in such position, said means including a power cylinder carried by the vehicle, a piston working with longitudinal reciprocation in said cylinder and having a positive operable connection with said bumper element proper whereby the one is actuated by and with the other, a source of fluid supply on the vehicle, a pipe connection from said



source of fluid supply to said cylinder at a point between an opposed head of the cylinder and said piston therein, said pipe connection including a pump element within the length thereof and a check valve element between the pump element and cylinder, said valve element opening only toward the cylinder and holding fluid pressure created in the cylinder by the operation of the pump element, a return pipe connection from the cylinder to the source of fluid supply, said return pipe connection having a check valve element therein normally closed to prevent flow in the direction of the source of fluid supply, and controllable means for opening said check valve element in the return pipe connection.

2,191,369
RECIPROCATING FLUID MOTOR DRIVEN PUMP
Roy L. Chenault, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application December 20, 1938, Serial No. 246,894
12 Claims. (Cl. 103—5)



1. A reciprocating fluid motor driven pump adapted to be positioned in a well comprising a motive fluid delivery tube extending into the well, a fluid motor positioned on the end of said tube, a piston in said fluid motor, a hollow piston rod extending from said piston, through the motor into the motive fluid delivery tube for delivering motive fluid to the motor for operation of the

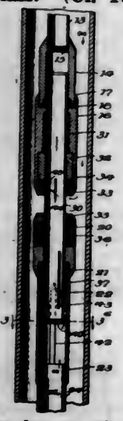
motor, a pump positioned in the well beneath said motor, a second hollow piston rod extending from the motor piston to said pump for operation of the pump, a pump fluid discharge tube extending into the well and arranged to receive fluid from the pump, said tube enclosing the motive fluid delivery tube and the motor but spaced therefrom, and means for discharging spent motive fluid from the motor through the second named hollow piston rod into the pump fluid discharge tube.

2,191,370

APPARATUS FOR CONTROLLING FLUIDS IN OIL WELLS

Roy L. Chenault, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application March 23, 1939, Serial No. 263,790
9 Claims. (Cl. 103—232)



1. In apparatus for regulation of fluid flows in oil wells and including a tubing means extending from the top of the well down to an intermediate level, tubing means extending from the intermediate level down to a producing horizon and means for anchoring the lower tubing means in the well, the improvement comprising a tubular sleeve connecting both said tubing means in telescopic sliding relation therewith and constructed and arranged to define a gas inlet aperture in combination with the lower portion of the upper tubing means and an oil choke aperture in combination with the upper portion of the lower tubing means, the effective areas of said apertures depending on the vertical relation of the sleeve and the two tubing means, and means operable by manipulation of the upper tubing means for adjusting the sleeve vertically with respect to each tubing means.

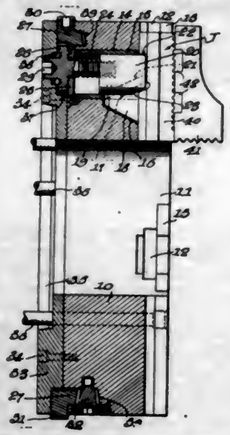
2,191,371

WEDGE TYPE CHUCK

Albert E. Church, New Britain, Conn.

Application March 14, 1939, Serial No. 261,849
3 Claims. (Cl. 279—121)

2. A chuck comprising a head having radial jaw guideways in its face, a central opening, wedge-guiding openings extending rearwardly from said jaw guideways and spaced around said central opening, and recesses between said central opening and said wedge-guiding openings, said recesses extending rearwardly from said jaw guideways and opening into said wedge-guiding openings; jaws in said guideways having rearward projections extending partly into said wedge-guiding openings and partly into said recesses, wedge blocks slidably interfitted with said rearward projections and mounted slidably in said wedge-guiding openings, said wedge blocks



and projections having coacting wedging portions for operating said jaws when said wedge blocks are slid, and a plurality of screws rotatably mounted in said head and threaded into said wedge blocks for sliding the latter.

2,191,372

PROCESS OF TREATING PETROLEUM OILS

Joseph W. Cushman, Oklahoma City, Okla., assignor, by mesne assignments, to Kactus Company, Inc., St. Jo, Tex., a corporation of Delaware

No Drawing. Application June 24, 1936, Serial No. 86,895. Renewed May 20, 1938
10 Claims. (Cl. 196—4)

2. A substance of the character described, said substance comprising the resultant of a mixture of macerated and comminuted sap-bearing matter of the Cactaceae family and Leguminosae family, sodium hydroxide, phenol from tars, naphthalene, ammonium hydroxide, and hydrochloric acid.

2,191,373

PHOTOGRAPH FRAME

Michael Dankanyin, Perth Amboy, N. J.

Application November 16, 1938, Serial No. 240,845
5 Claims. (Cl. 40—152.1)



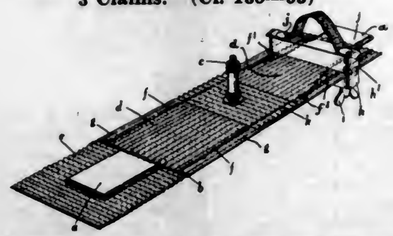
4. The combination of a picture frame having laterally extending pins, with a support pivotally mounted on the laterally projecting pins and including a curved middle portion adapted to enclose but not engage the portion of the frame above the pins and arms extending below the pins laterally of the frame and beyond the lower edge thereof in a manner whereby the frame may be vertically supported on a plane surface by pivoting the said support to an oblique position relative to the plane surface.

2,191,374

COLLAPSIBLE PNEUMATIC STRUCTURE

Henry Secretan Dixon, Dorking, England

Application November 26, 1937, Serial No. 176,765
In Great Britain October 26, 1936
3 Claims. (Cl. 138—53)



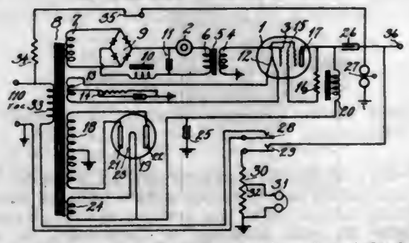
1. A collapsible pneumatic structure comprising an inflatable support member having a curved form in the inflated, erected condition of said structure or element, said member comprising an inflatable inner tube, and a fabric outer cover composed of a plurality of longitudinal strips of inelastic woven material and of relatively narrow width compared with their length, some of said strips having the warp running longitudinally and being disposed on one side of the curve of said member and the other of said strips having the weft running longitudinally and being disposed on the other side of said curve, and said strips having marginal edge portions joined together in adjacent strips by adhesive and by stitching along the inner boundary of said marginal portions so as to form a tubular structure adapted to definitely limit the inflation of said inner tube.

2,191,375

NOISE SUPPRESSION APPARATUS FOR TELEPHONES

Bergie L. Fisher, Martinsville, Va.

Application June 2, 1939, Serial No. 277,106
13 Claims. (Cl. 179—78)



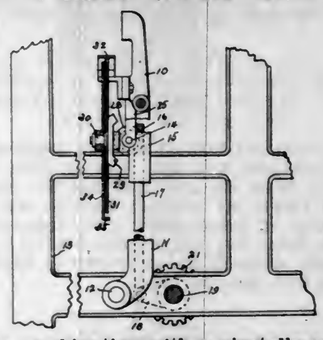
1. Noise suppression apparatus for telephone lines, comprising: a microphone, an amplifier having input and output circuits, connections between said microphone and said input circuit, a telephone line connected to said output circuit for receiving highly amplified signals from said amplifier output circuit, a telephone receiver, and a resistance pad connected between said telephone line and said telephone receiver, said resistance pad being adjusted to attenuate the signals impressed upon said telephone receiver to a lower level sufficient for reproduction of said signals by said telephone receiver so that the undesired noise is reduced so as to have substantially negligible interference effect on the desired signal, a second amplifier at a remote point from said first amplifier, said second amplifier having input and output circuits, a second telephone line connected to said second amplifier input circuit for feeding signals to be amplified to said second amplifier, a resistance network connected between said second amplifier output circuit and said first mentioned telephone line for impressing amplified signals upon said first mentioned telephone line, and an attenuating device connected between said resistance networks for passing telephonic signals therethrough from said first telephone line to said second telephone line at an attenuated level.

2,191,376

FLEXIBLE GRIPPER MEMBER FOR NEEDLE LOOMS

Johann Gabler, deceased, late of Ettlingen, Germany, by Sophie Gabler, sole heir, Ettlingen, Germany, assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York

Application May 16, 1938, Serial No. 208,302
7 Claims. (Cl. 139—123)



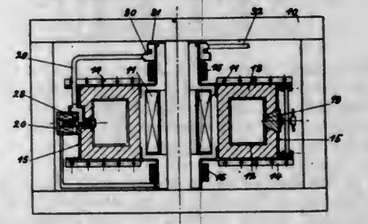
1. The combination with a pivotally supported slay, of a flexible gripper member so supported by the slay as to be movable into and out of the shed during weaving operations, said flexible member having a thread engaging portion, a guide member pivotally supported by said slay and movable therewith, an operating member mounted to reciprocate through said guide member, means for actuating said operating member, and means associated with said operating member and movable with the slay for imparting reciprocative movements to said flexible member.

2,191,377

METHOD OF REDUCTION OF OXIDES

Hans Gallusser, Geneva, Switzerland

Application December 7, 1937, Serial No. 178,593
In Germany December 16, 1936
5 Claims. (Cl. 75—10)



1. A method for the reduction of oxides, such as oxides of metals or oxides of metalloids, com-

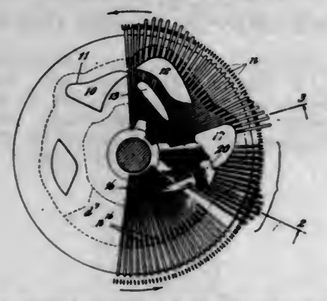
prising heating the ore together with a reducing agent in a substantially horizontal closed rotary metallic vessel to the reduction temperature by an electric current induced in a wall of the vessel by a primary transformer winding, and retarding flow of heat from the wall of said vessel in all directions except toward the ore being treated.

2,191,378

CIRCULAR RIB KNITTING MACHINE AND METHOD OF OPERATING SAME

James L. Getaz, Maryville, Tenn., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application March 11, 1939, Serial No. 261,324
17 Claims. (Cl. 66—13)



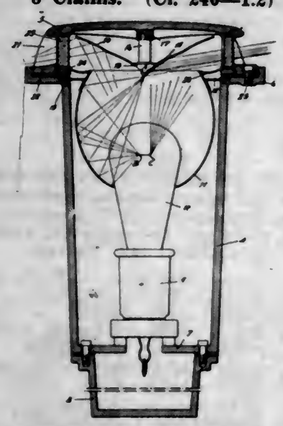
1. In a circular hosiery knitting machine, independent cylinder and dial needles, high and low operating butts on said dial needles, means to knit rib fabric on cylinder needles and all the dial needles, in combination with means to transfer loops from the dial needles having low butts to cylinder needles and to continue knitting on the high butt dial needles.

2,191,379

MARKER LIGHT FOR AIRPORTS

Ernest M. Glasgow, Towaco, N. J., assignor to Russell & Stoll Company, Inc., New York, N. Y., a corporation of New York

Application February 16, 1938, Serial No. 190,845
8 Claims. (Cl. 240—1.2)



3. A marker light in which light from a source is reflected outwardly in all directions at a predetermined angle from a ground plane, comprising an ellipsoidal reflecting surface combined with a parabolic reflecting surface, a cover, posts supporting said cover, and refracting lens means directing said reflected rays around said supporting posts.

2,191,380

WELL PUMP

Jesse E. Hall, Los Angeles, Calif.

Application January 13, 1937, Serial No. 120,364
24 Claims. (Cl. 103—180)



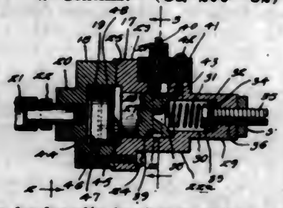
1. A self-washing, self-de-sanding pump for placement in a well tubing, including a tubular, standing pillar with a nozzle for directing a jet of fluid to the foot of the pump, a plunger device reciprocatively operative in the pillar and having an outer barrel fitting the pillar, and means operative on a downward stroke of the barrel of said device to conduct away sand from about the pillar when the sand is agitated by said part, and said device operative to force a jet of fluid through the nozzle on the same de-sanding stroke.

2,191,381

SAFETY SIGNAL OPERATOR

Ernest E. Hanson, Ladysmith, Wis.

Application April 7, 1939, Serial No. 266,615
2 Claims. (Cl. 200—82)



1. In a hydraulic braking system, a safety signal operating means comprising a housing adapted to be connected to the braking system, a piston slidable in said housing, a diaphragm in said housing confronting one end of said piston and adapted to be flexed by pressure in said system, tensionable means in said housing engaging the opposite end of said piston, said piston having an annular groove therein and said housing having an opening confronting said groove, a terminal loosely engaging through said opening and projecting into said groove and normally spaced from the walls of said groove, insulated means fixed to said housing supporting said terminal relative to said housing, said housing having an annular seat therein adjacent said one end of said piston, and an annular flange carried by said one end of said piston engageable with said seat

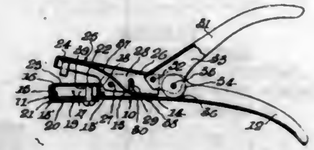
to thereby limit the movement on one direction of said piston under inward flexing of said diaphragm.

2,191,382

TICKET PUNCH

Hubert Chauncy Hart, Unionville, Conn.

Application November 22, 1939, Serial No. 305,719
4 Claims. (Cl. 164—121)



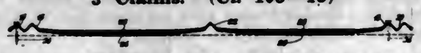
1. In a punch, a lower jaw provided with a bottom plate, said bottom plate having upwardly projecting vertical side flanges and a vertical upwardly projecting front end flange, a die plate having downwardly projecting vertical side flanges and at least a downwardly projecting rear end flange, said side flanges of said die plate contacting with the inner sides of said side flanges of said bottom plate, all of said flanges of said die plate resting on said bottom plate, whereby the two plates and their flanges coact in forming a receiving casing for punched-out pieces of material, said die plate having an opening to receive a punch pin, said bottom plate having an opening through which to discharge the contents of said receiver, a closure for said discharge opening, and means detachably securing said plate and flanges in assembled relation.

2,191,383

ROOFING SHEET

Arthur B. Haswell, Birmingham, Ala.

Application May 27, 1935, Serial No. 23,754
3 Claims. (Cl. 108—13)



1. A metallic roofing sheet, the major area of which is flat and whose lower end is transversely cambered to provide concavo-convex faces, the convex face being on the underside of the sheet, said cambered portion being adapted to overlap the flat portion of a similar sheet and to be flexed transversely to make a snug fit therewith.

2,191,384

CONTACT PLUG

William P. Herman, Bridgeport, Conn., assignor to Electrix Corporation, a corporation of Rhode Island

Application May 21, 1935, Serial No. 22,506
8 Claims. (Cl. 173—361)



8. In a contact plug, a one piece base of resilient flexible material having an upper central recess adapted to receive a cord and two flat slots extending downwardly therefrom through the plug, said base having integral spaced separate parallel portions in each slot projecting towards each other to form restricted slot passageways in said slots, said projecting portions having shoulders at each end thereof.

2,191,385

CONTACT PLUG

William P. Herman, Providence, R. I., assignor to Electrix Corporation, a corporation of Rhode Island

Application April 11, 1936, Serial No. 73,901
7 Claims. (Cl. 173—361)



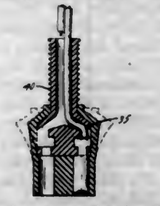
4. In a contact plug, a one piece base of resilient flexible material having an upper central recess adapted to receive a cord and two passageways comprising flat slots diverging downwardly therefrom through the plug, the body of said plug between said passageways tapering into said upper central recess to form an insulating core adapted to dielectrically separate the ends of the cord wires, said base having integral spaced separate portions in each slot projecting towards each other to form restricted passages intermediate the ends of said slots, said projecting portions having blade lock shoulders at each end thereof.

2,191,386

FEMALE CONTACT PLUG

William P. Herman, Providence, R. I.

Application March 7, 1939, Serial No. 260,284
5 Claims. (Cl. 173—332)



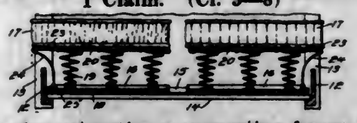
1. In a female type contact plug, a one-piece base of resilient material, the upper portion of said base having a recess and the lower portion of said base having two blade passageways spaced therein and extending therethrough and communicating with said recess, anchoring means nesting within said recess and locked within said recess by the resiliency of said base, contact blades locked in said anchoring means and seated in said slots, and a cable extending from said anchoring means and having leads connected to said contact blades.

2,191,387

BED

Irene Hernandez, New Orleans, La.

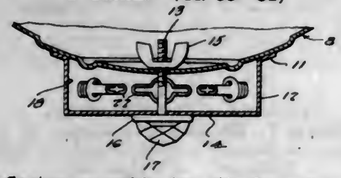
Application February 9, 1938, Serial No. 189,685
1 Claim. (Cl. 5—8)



In bed construction a supporting frame adapted to be supported upon bed slats, a pair of bed spring frames mounted upon the supporting frame to slide laterally toward or away from each other, all of said frames being formed of angle iron to provide flanges for limiting sliding movement of the bed spring frames relatively to each other and to the supporting frame, helical springs supported by each bed spring frame, a mattress supporting frame supported by the springs of a respective bed spring frame, said mattress sup-

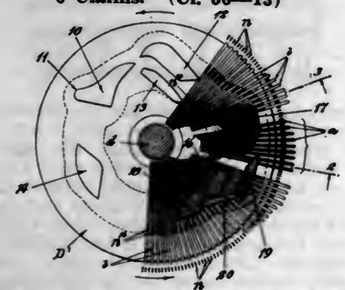
porting frame being of greater cross dimension than the respective bed spring frame and adapted to project over the side rail of a bedstead when the bed spring frames are slid outwardly from each other, a plurality of arcuate leaf springs connected at the upper ends to a respective mattress supporting frame at the outer longitudinal edge thereof and connected at the lower ends to the outer side of the respective bed spring frame, said leaf springs yielding when weight is placed upon the helical springs, said leaf springs curving upwardly and outwardly over the side rails of the bedstead and overhanging the said side rails without touching or marring same during yielding movement of the helical springs.

2,191,388
SAFETY HUB CAP
Earl J. Hicks, Gouverneur, N. Y., assignor of one-half to Floyd G. Denesha, Dekolb, N. Y.
Application October 17, 1938, Serial No. 235,520
1 Claim. (Cl. 88—81)



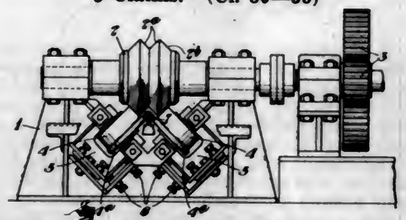
A reflector assembly for attachment to a hub cap of an automobile wheel comprising a circular casing having closed and open sides, respectively, means to detachably attach said casing to said cap open side rearmost comprising a bolt disposed in said casing axially thereof for extension of one end thereof through said cap and having a wing nut on said end whereby the open side of said casing may be clamped against said cap, a reflecting head on said bolt for clamping under turning of said nut against the closed side of said casing, and a plurality of bolt-like members extending radially through the circumferential part of said casing, said members having reflecting heads adapted to be clamped against the periphery of the casing, and means on said bolts to yieldingly clamp said last heads comprising helical springs on said members inside said casing, and wing nuts on the inner ends of said members.

2,191,389
CIRCULAR RIB KNITTING MACHINE AND METHOD OF OPERATING SAME
Roscoe Hill, Hamilton, Ontario, Canada, assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application April 11, 1939, Serial No. 267,290
6 Claims. (Cl. 66—13)



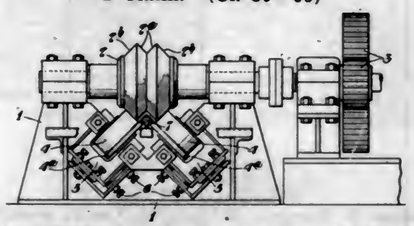
5. In a method of operating a circular rib knitting machine having two-part dial needles, with castoff and stitch-drawing elements, the method of causing transfer of dial stitches to cylinder needles on some of the needles only which comprises passing all the dial needles through transfer operations while causing the castoff elements of certain of the dial needles to miss their transfer by making their transfer movement abnormally early.

2,191,390
ROLLING ANGLES
John M. Hooper, Clairton, Pa.
Application May 20, 1936, Serial No. 80,856
3 Claims. (Cl. 80—35)



1. A structural mill for rolling angles, including the combination of roughing, edging, intermediate and finishing roll stands, all providing open passes, and means for rolling down only the toes of angles, said means being arranged so that work going from what would ordinarily be the closed leader pass of the intermediate stand to the finishing stand may be passed through said means prior to its passage through the finishing stand.

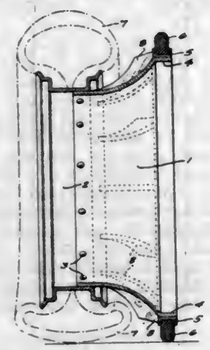
2,191,391
ROLLING ANGLES
John M. Hooper, Torrance, Calif.
Original application May 20, 1936, Serial No. 80,856. Divided and this application September 13, 1937, Serial No. 163,685
1 Claim. (Cl. 80—66)



A method of rolling angles, including rolling metal through a series of roll passes designed to permit production of angles having a range of leg thicknesses and adjusting the leg lengths of the resulting angles by rolling against their edges toward the apexes of the angles while anti-frictionally holding the apexes against the angle-edge rolling pressure, by means of angle-edge rolling means separate and independent from the angle-apex restraining means necessary to so hold the apexes of the angles.

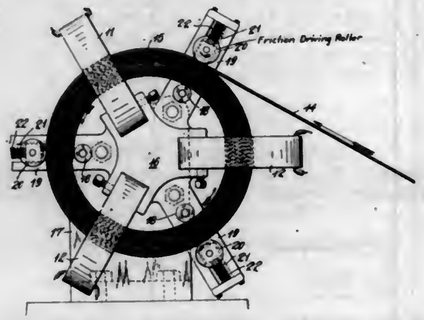
2,191,392
TIRE PROTECTING DEVICE
Justo Huarte, Buenos Aires, Argentina
Application August 12, 1938, Serial No. 224,615
In Argentina June 22, 1938
1 Claim. (Cl. 301—40)

A vehicle wheel including a rim portion equipped with a pneumatic tire, an annular, hollow, flaring member fastened at its smaller end to the wheel rim and extending from said rim to one side of the wheel, a tire carried by the larger end of said member, said member and the tire carried thereby being axially alined with the wheel, the member-carried tire being of lesser diameter than the pneumatic tire when the latter is normally inflated and being of greater



diameter than the pneumatic tire when the latter is deflated, said member-carried tire being spaced laterally from the wheel, and member-reinforcing and traction fins at circumferentially spaced points on the exterior of said member between the wheel and said member-carried tire, the outer edges of said fins being disposed inwardly of the periphery of said member-carried tire.

2,191,393
TRANSFORMER
Marion W. Humphreys, Rochester, N. Y.
Application November 23, 1937, Serial No. 176,030
3 Claims. (Cl. 242—1)

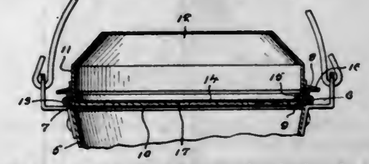


2. The method of forming a transformer composed of primary and secondary coils and a core, which comprises supporting the coils in fixed and spaced relation around a central point, feeding core-forming material in the form of a substantially flat strip successively through the openings of the coils so as to form an annulus with the strip extending crosswise of the coil openings over the inner edges thereof, and rotating the annulus to wind the strip thereon so as to build it up toward the outer edges of the coil openings with the convolutions superposed upon each other in a radial direction until a core of the desired thickness is obtained.

2,191,394
CARBOXYLIC ACID AMIDES OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES
Karl Miescher, Riehen, and Albert Wettstein, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 18, 1938, Serial No. 241,276. In Switzerland March 17, 1938
4 Claims. (Cl. 260—397)

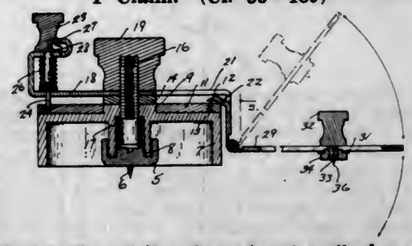
1. The carboxylic acid amides of the saturated and unsaturated cyclopentanopolyhydrophenanthrene series, containing in α-position to the substituted carboxyl group a member of the group consisting of a free and an esterified hydroxyl group.

2,191,395
MILK PAIL STRAINER
Anton C. Moser, Moose Lake, Minn.
Application September 27, 1937, Serial No. 165,986
1 Claim. (Cl. 210—159)



A strainer construction of that character adapted for association with a pail having a rolled rim, comprising, a filter supporting member having a tapered side wall terminating in a rolled rim adapted to contactually overlie the rolled rim of the pail and coacting with the rolled rim of the pail to support said member within said pail and in appressed condition therewith, said member having an apertured bottom, a screen covering said bottom, a shell mounted within said member and having a flange contactually overlying the rim of said member for maintaining said shell spaced relative to said screen, a filtering element interposed between said shell and said screen, a second screen overlying said filtering element, and a ring detachably securing said second screen within said shell and coacting therewith to maintain said filtering element in adjusted position on said first mentioned screen.

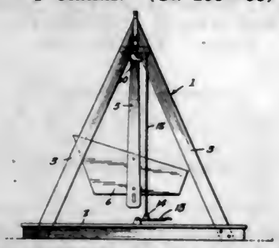
2,191,396
PLOTTING DEVICE
Allen Y. Nomura, Honolulu, Territory of Hawaii
Application March 2, 1939, Serial No. 259,465
1 Claim. (Cl. 33—189)



In a device of the character described, a support, a screw point centrally carried by the lower base of the support for attaching the same to an object to be marked, a base carried by said support and serving to removably position an indicia bearing plate, an arm rotatably supported above

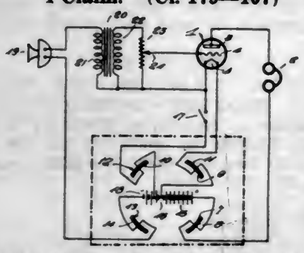
and at the center of said plate, means carried by one end of said arm for interconnecting it with said plate for positioning said arm at predetermined points, the opposite end of the arm having a slot provided with an inwardly turned pointer at the periphery of the indicia plate, the outer end of the arm having a downwardly turned portion on the outside of the support, a blade pivotally connected to the lower end of the downwardly turned portion of the arm, a sliding member supported on said blade, means for securing said sliding member in its adjusted position on the blade, and a scribing point carried by said sliding member and adapted to engage the object to which the device is attached.

2,191,397
BABY SWING
Charles J. Ouellet, West Haven, Conn.
Application June 6, 1938, Serial No. 212,212
4 Claims. (Cl. 155—65)



1. A baby swing comprising a supporting structure, a rod journaled on said structure, a swing structure secured on said rod, a lever secured on said rod, an arcuately curved lever pivoted on the supporting structure and having a pivotal and slidable connection with the first-named lever, a foot pedal pivotally mounted on the supporting structure, and a rod connecting the foot pedal to the second-named lever.

2,191,398
HEARING AID APPARATUS
William D. Penn, Dallas, Tex.
Application February 8, 1937, Serial No. 124,759
1 Claim. (Cl. 179—107)



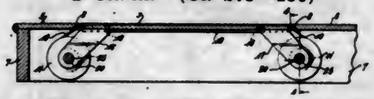
A portable self-contained hearing aid amplifier in which the circuits are adapted to be energized from a readily interchangeable plug-in battery and controlled by a switch built into the plug-in device, comprising: a vacuum tube having filament, grid, and plate electrodes, input and output circuits connected to said filament, grid, and plate electrodes respectively, a microphone connected to said input circuit, a battery current supply source comprising a casing housing a plurality of battery sections connected together properly polarized inside of said casing, each of said battery sections having a voltage suitable for energizing one of said vacuum tube circuits and said microphone, a plug-in switching device for connecting said battery sections to said vacuum tube circuits, said plug-in switching device comprising a plug and receptacle contactor having a tubular insulation receptacle attached to a wall of said battery, terminals attached to the inside of said tubular insulation receptacle, connections between said battery sections and predetermined ones of said terminals, a plug of insulation material fitting into said tubular insulation receptacle in a predetermined manner, contacts on the outer surface of said plug for engaging selected ones of said terminals for impressing the voltage from predetermined ones of said battery sections upon said filament, grid and plate circuits of said vacuum tube and upon said microphone when said plug is inserted into said receptacle in said predetermined manner, a handle on said plug for moving said plug with respect to said receptacle so that the circuits between said contacts and said terminals may be completed or broken without removing said plug from said receptacle, and means to prevent insertion of said plug into said receptacle in circuit completing relation in other than the proper manner to prevent applying incorrect battery potentials to the vacuum tube circuits.

2,191,399
WALL OR LIKE PLUG
John Joseph Rawlings, London, England, assignor to The Rawlplug Company Limited, South Kensington, London, England
Application April 14, 1937, Serial No. 136,931
In Great Britain April 20, 1936
5 Claims. (Cl. 85—2.4)



1. A wall plug for the reception of driven fastenings comprising fibrous material, and wires incorporated with the fibrous material, the wires being plaited with the fibrous material in such a manner that parts of the wires are exposed on the outer surface of the plug.

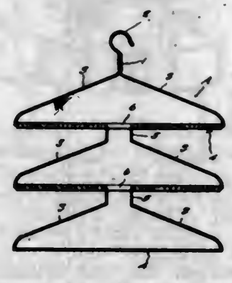
2,191,400
GAME SCORING DEVICE
Benjamin de C. Rothschild, Coral Gables, Fla.
Application January 26, 1939, Serial No. 252,980
1 Claim. (Cl. 273—136)



In combination, a card table top comprising a continuous unitary sheet of material forming a playing surface, a pair of spaced parallel slits extending through said sheet, the rectangular shaped area of said sheet lying between said slits being depressed below the normal level of the remainder of said playing surface, a metal plate secured beneath and substantially coinciding with said depressed rectangular shaped area, projections integral with and depending from each corner of said plate, the projections depending from one side of said plate being provided at their lower ends with stud like bearing members, the projections depending from the opposite side of said plate having an aperture at their lower ends,

parallel shafts extending from beyond the edge of said playing surface through said apertures, the inner ends of said shafts being of angular cross-section, a pair of spools each rotatably supported at one end by one of said stud like bearing members and being supported at their opposite ends by the angular ends of said shafts which are inserted into cavities of corresponding angular cross-section in said spools, compression springs surrounding said shafts and compressed between the ends of said spools and the adjacent depending projections, and a strip of score tallies adapted to be wound upon said spools and to extend through said slits in such manner as to occupy the depressed rectangular area on said playing surface to thereby permit progressive movement of said score tallies by rotation of either of said shafts.

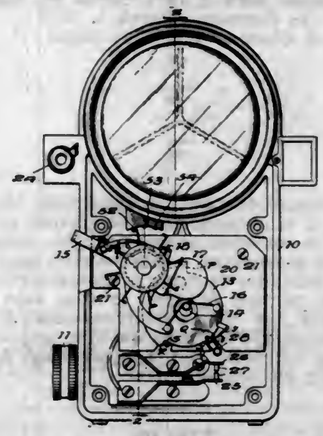
2,191,401
MULTIPLE GARMENT HANGER
George L. Russell and Earl F. Lindahl, Spokane, Wash.
Application April 17, 1939, Serial No. 268,362
3 Claims. (Cl. 223—88)



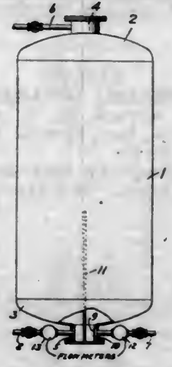
1. A garment hanger comprising two or more hanger members formed of one piece of wire, the top hanger member including a hook, a shank, diverging shoulder pieces and a sectional bottom member the sections of which have their inner ends slightly spaced apart to make said bottom member of substantially conventional length, the inner ends of said sections being bent downwardly a short distance, the next hanger member including downwardly diverging shoulder pieces having their upper ends connected with the downwardly bent inner ends of said sections and a trousers supporting bottom member for the second hanger member connected with said downwardly diverging shoulder pieces of said second hanger member and a member supported on the sectional bottom member of the first hanger member and bridging the space between the inner ends of the sections thereof.

2,191,402
PHOTOGRAPHIC ILLUMINATING EQUIPMENT
Jacob A. Saffir, Chicago, Ill., and Henry G. Bartsch, Washington, D. C.; said Bartsch assignor to said Saffir
Application August 25, 1939, Serial No. 291,982
13 Claims. (Cl. 67—29)

1. A repeating flash lamp of the instantaneous combustion type, comprising: a light-pervious hermetically-sealed envelop, a plurality of distinct charges of light-generative combustible material disposed within said envelop, a quantity of combustion-supporting substance within said envelop adequate to support combustion of the entire quantity of combustible material disposed within said envelop, a plurality of electrically-activated ignition elements, one functionally associated with each of said combustible charges, electrical contact means external of said envelop, individually connected with said ignition elements and selectively energizable from a source of electrical energy to activate desired ones of said ignition elements at will, and means within said envelop for restricting diffusion of the gaseous products evolved by combustion of each charge to the immediate vicinity of that charge and positively preventing precipitation thereof upon other charges or upon the interior surfaces of said envelop adjacent to said other charges.

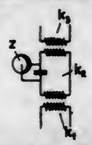


2,191,403
METHOD FOR FILTERING
Leon A. Tarbox, Prospect Park, and William Herman Barcus, Upper Darby, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application April 30, 1938, Serial No. 205,164
4 Claims. (Cl. 210—131)



3. The method of filtering which comprises introducing a liquid to be filtered to a filtering zone, flowing said liquid through a mass of filtering material maintained in said zone, withdrawing a plurality of streams of filtered liquid from different portions of said filtering zone, measuring the rate of flow of each of said streams of liquid, and so regulating the flow of each of said streams that they bear a pre-determined relation to each other.

2,191,404
SOUND REPRODUCING APPARATUS
Hans Vogt, Berlin-Wilmersdorf, and Josef Engl and Joseph Massolle, Berlin-Grunewald, Germany, assignors, by mesne assignments, to American Tri-Ergon Corporation, New York, N. Y., a corporation of New York
Application April 4, 1921, Serial No. 458,626
In Germany March 3, 1919
8 Claims. (Cl. 179—100.3)

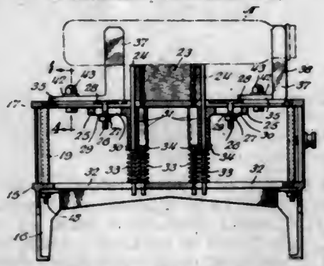


2. In sound reproducing apparatus, the combination of a photoelectric cell having an alkali cathode, a constant source of light, means for uniformly progressing a film between said source and cell, said film carrying a photographic sound record of varying opacity, so that said cell is illuminated by acoustically-modulated light, which has passed through the film, and a circuit connected with said cell in which flows a correspondingly modulated current.

2,191,405
MANUFACTURE OF AQUEOUS SOLUTIONS OF PHENOL, ITS HOMOLOGUES AND DERIVATIVES
Richard Hueter, Richard Neu, and Heinz-Joachim Engelbrecht, Dessau-Rosslau in Anhalt, Germany, assignors, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application May 21, 1936, Serial No. 81,020. In Germany May 25, 1935
7 Claims. (Cl. 167—31)

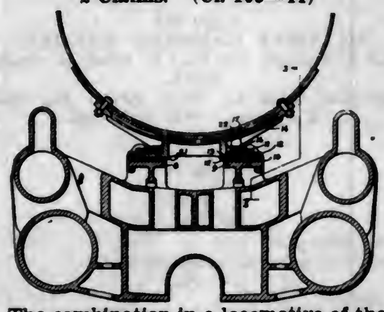
1. An aqueous solution of predominantly phenolic character containing a phenol of the group consisting of phenol, halogen-phenols alkoxyphenols, nitro-phenols and as a dissolving agent a sulfonate of fatty material of the group consisting of the fatty alcohols having 6 to 10 carbon atoms in the molecule and the ethers of such alcohols with glycol, glycerin, pentaerythrite, mannit and sorbite.

2,191,406
LABELING APPARATUS
Louis Mandel, Newark, N. J., assignor to The Slick-Shine Co., Inc., Newark, N. J., a corporation of New Jersey
Application January 14, 1939, Serial No. 250,895
9 Claims. (Cl. 216—42)



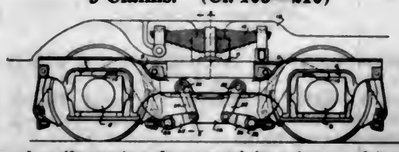
1. An apparatus for adhesively applying labels to articles comprising a support, brackets adjustably mounted on said support, guide members resiliently mounted on said brackets and adjustable therewith to different set positions to define an enclosure for maintaining a supply stack of labels in predetermined location on said support, said guide members adapted to be engaged by an article and to be shifted thereby as pressure is applied to said article to move the latter into engagement with the terminal label of said stack whereby said terminal label is adhesively attached to said article, and means whereby the movement of said article under pressure is controlled in predetermined relation to said stack to thereby definitely predetermine the location of said label on said article.

2,191,407
LOCOMOTIVE
James C. Maris, Glenolden, Pa.
Application March 4, 1937, Serial No. 129,030
2 Claims. (Cl. 105—44)



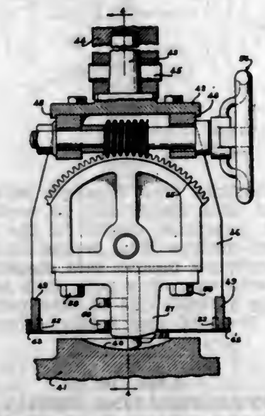
1. The combination in a locomotive of the rigid wheel base type having a single frame with forward and rear cylinder structures rigidly secured thereto, a boiler rigidly secured to the forward cylinder structure; and a cylinder saddle interposed between the rear cylinder structure and boiler including a pair of transversely spaced longitudinally extending webs formed rigidly with the rear cylinder structure, removable gibs secured to said webs to form longitudinal guideways, a boiler support having laterally extending flanges whose outer portions are received in said guideways, lubricating passages extending through said flanges from the top to the bottom thereof, and means forming an oil chamber on the top surface of the inner portion of said lateral flanges and said oil chamber communicating with said passages for lubricating the lower surfaces of said flanges.

2,191,408
ENGINE TRUCK STABILIZER
James C. Maris, Glenolden, Pa.
Application April 10, 1937, Serial No. 136,077
9 Claims. (Cl. 105—210)



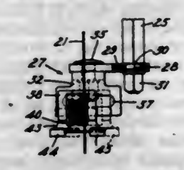
1. A railway truck comprising, in combination, a pair of wheeled axles, a truck frame having pedestals for slidably guiding said axles, equalizing beams located at each side of said truck and between said axles, springs interposed between said equalizing beams and truck frame, a transverse torsion rod for transmitting load forces from one side of the frame to the other side thereof, and means including crank arms and links for pivotally connecting said rod to said equalizing beams and to the opposite sides of said truck frame thereby to cause said transmission of load forces upon rotation of said rod.

2,191,409
MACHINING APPARATUS
James F. McMenamin, Philadelphia, Pa.
Application November 24, 1937, Serial No. 176,301
2 Claims. (Cl. 77—58)



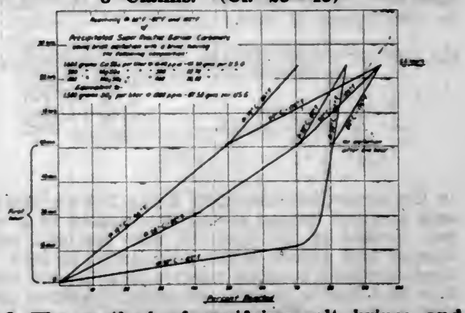
1. In combination, an axially extending frame adapted for rotation, an annular ring supported by and surrounding a lower portion of said frame for rotation therewith, a cutting tool head disposed at least partly within said ring and pivotally supported by said frame, and means for radially adjusting said cutting tool head to effect feeding thereof during a machining operation.

2,191,410
JIGSAW BLADE SUPPORT AND WORK HOLD-DOWN
William Ferdinand Ocenasek, Plainfield, N. J., assignor to Walker-Turner Company, Inc., Plainfield, N. J., a corporation of New York
Original application July 17, 1936, Serial No. 91,124. Divided and this application August 11, 1937, Serial No. 158,525
3 Claims. (Cl. 143—162)



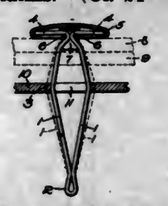
1. A roller guide and back support for the blade of a jigsaw machine combining a supporting member laterally offset from the axis and from the normal plane of the saw blade; a laterally extending plate member pivotally mounted to said support; a guide roller supporting bracket pivoted to the laterally extending portion of said plate member; a roller member journaled in said bracket said roller having a plurality of spaced annular grooves therein; means for adjusting said roller axially of its support to position the plane of one of the grooves of the roller in the plane of the saw; and means for adjusting said roller toward the axis of the saw to bring said groove into supporting and guiding relation therewith.

2,191,411
METHOD OF PURIFYING BRINES
James B. Pierce, Jr., Charleston, W. Va., assignor to Standard Ultramarine Company, Huntington, W. Va., a corporation of West Virginia
Application December 13, 1938, Serial No. 245,412
8 Claims. (Cl. 23—45)



8. The method of purifying salt brines and other liquors containing a plurality of water-soluble sulphates, including calcium or magnesium sulphate as impurities, which comprises agitating the same with an amount of a precipitated super-reactive barium carbonate which is at least about the chemical equivalent by weight of a water-soluble sulphate present in the liquor and which barium carbonate has a particle size of less than 0.25 micron and is of a specific surface of at least about 5 sq. meters per gram; and then separating the resultant precipitate from the liquor of the mixture.

2,191,412
SNAP FASTENER STUD
Sophus E. Pihl, Dorchester, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 2, 1935, Serial No. 34,360
2 Claims. (Cl. 24—73)



1. A snap fastener stud having base means, a yieldable shank formed by opposed yieldable legs joined together at that end of the shank spaced from said base means, a cap secured to said base means, fastener action-controlling means adjacent to said base means to restrict the movement of said legs adjacent to said base means, and attaching means assembled as a part of the fastener to pass through a stud support and engage the opposite side thereby to cooperate with said cap to secure the stud to a support.

2,191,413
LOOM STOP MOTION
Leonard M. Rogers, Mendon, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application April 5, 1939, Serial No. 266,125
2 Claims. (Cl. 139—376)

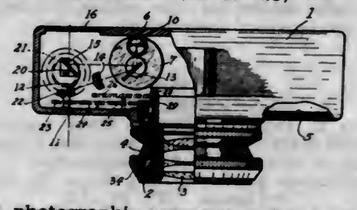
1. In a center fork stop motion for looms, the combination of a center filling fork, a longitudi-

nally moving actuating rod, and a two piece fork lifting cam, said cam comprising a hub portion fixed to said rod in predetermined position thereon and a cam portion removably fixed to said hub portion, said cam portion having a cam surface for lifting said fork upon movement of said rod in one direction and a stop cooperating with said fork to restrain movement of said rod



in the other direction upon filling failure, one of said portions having a tongue engaging in a recess formed in the other of said portions, said tongue and recess being accurately formed in predetermined position relative to said cam surface and stop to thereby accurately position said cam surface and stop with relation to said hub portion.

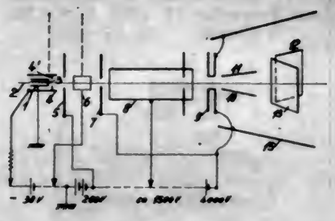
2,191,414
EXPOSURE METER
Hans Sauer and Paul Görlich, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 2, 1938, Serial No. 188,374
In Germany January 13, 1937
12 Claims. (Cl. 88—23)



1. A photographic exposure meter comprising a housing, a photoelectric cell fixedly secured to a wall of said housing, a galvanometer provided with a movable mirror indicator within said housing, the wall of the housing to which said photoelectric cell is secured being provided with a slit, a translucent screen in another wall of said housing, two reflecting members within the housing for reflecting the beam of light entering said casing through said slit onto said movable mirror indicator, one of said reflecting members being positioned to reflect the beam of light a second time, after said beam of light has been reflected by said mirror indicator, a third reflecting member within said housing for receiving the beam of light reflected from said mirror indicator onto said last named reflecting member and to reflect this beam of light onto said translucent screen, and manually operable means for adjusting said third reflecting member to direct the beam of light to a predetermined position on said translucent screen.

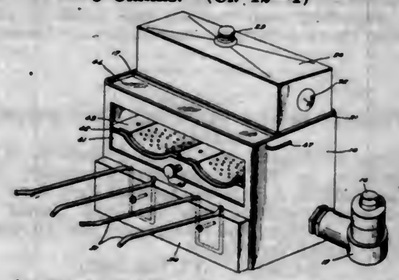
2,191,415
TELEVISION TUBE
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York
Application June 22, 1936, Serial No. 86,607
In Germany July 6, 1935
3 Claims. (Cl. 250—27)

1. Electric apparatus more particularly for television purposes comprising a cathode ray tube including a diaphragm having an aperture, means including a hot cathode for producing and controlling a bundle of electrons and guiding said bundle through said aperture, an image screen, an electron lens for producing on said image screen a sharp electron image of said aperture,



a further electron lens disposed between said cathode and said diaphragm to contract said bundle to a maximum degree in the region of the first said electron lens, means for providing the aforementioned means, said diaphragm and said lenses with operating potentials and means for adjusting at least one of said potentials to control the focus of said further electron lens.

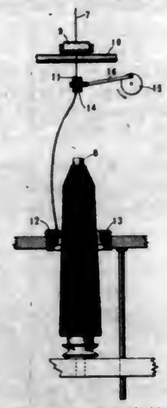
2,191,416
UPPER TREATING DEVICE
Joseph J. Vachon, South Portland, Maine, assignor of three-eighths to Harry I. Lyons, Boston, Mass., and three-eighths to Joseph A. Cordeau, Saco, Maine
Application July 6, 1938, Serial No. 217,669
8 Claims. (Cl. 12—1)



1. An upper treating device comprising a casing having a steam chamber provided with an outlet and a shoe treating chamber, a reservoir disposed in said casing and arranged to feed water to said steam chamber, and deflecting means located above the outlet from said steam chamber, the reservoir having an inclined wall forming a part of the shoe treating chamber and located in the path of steam leaving said deflecting means whereby said wall directs the steam toward the shoe and is at the same time heated by the steam.

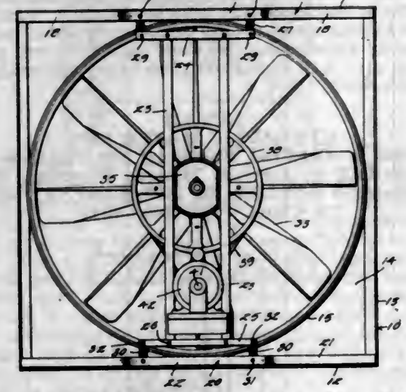
2,191,417
MEANS FOR PRODUCING FUZZY OR IMITATION FIBER YARN FROM CONTINUOUS FILAMENT YARNS
Vasser Woolley, Atlanta, Ga., assignor to Seydel-Woolley & Company, Atlanta, Ga., a copartnership of Georgia
Application January 18, 1939, Serial No. 251,505
6 Claims. (Cl. 57—2)

1. In a yarn machine, a guide for the yarn having an abrasive surface, means for vibrating the guide laterally of the yarn and intermittently engaging one side of lengths of the yarn and



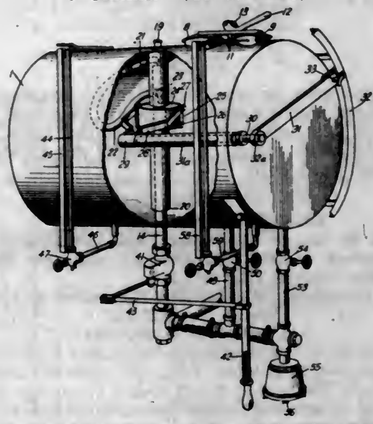
means for winding and twisting the yarn as it passes through said guide.

2,191,418
FAN MOUNTING
William W. Allen, Jacksonville, Fla., assignor to American Coolair Corporation, Jacksonville, Fla., a corporation of Florida
Application March 17, 1939, Serial No. 262,497
2 Claims. (Cl. 248—15)



1. In a ventilating fan mounting, an upstanding front frame formed of a top, a bottom and a pair of side frame members secured together, upper and lower aligned, horizontally disposed supporting elements arranged at the rear of the frame and including rearwardly convergent end portions having their outer ends fixed against the upper and lower ends of the side members of the frame and aligned throughout with the top and bottom members of the frame, said elements including intermediate portions arranged in parallel spaced relation to the top and bottom members of the frame, a pair of vertically disposed spaced parallel supporting bars adapted to have secured thereto means for suspending a fan and for supporting a driving means for the fan, said bars being of less height than the frame and aligned with the said intermediate portions inwardly of the ends of the latter, spaced parallel, horizontally disposed coupling bars secured to and extending in opposite directions from the ends of the vertical bars aligned with and spaced from said intermediate portions, and springs connecting said intermediate portions to the ends of said coupling bars.

2,191,419
WATER SUPPLY AND MEASURING TANK FOR CONCRETE MIXERS
Clarence I. Bohmer and Arthur E. Davis, Columbus, Ohio, assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application January 16, 1939, Serial No. 251,054
9 Claims. (Cl. 221—95)

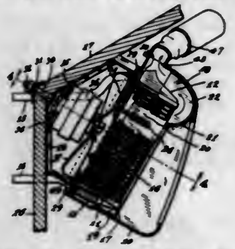


1. Apparatus for supplying water in predetermined amounts comprising a tank for containing the water, a siphon arrangement for withdrawing water from the tank, said siphon arrangement comprising a vertically disposed discharge pipe extending upwardly through the tank and terminating a short distance from the top of the tank and a tubular member disposed in surrounding spaced relationship to the first pipe having its upper end closed and having its lower end open, means for breaking the siphon at a predetermined time to interrupt flow of water from the tank, said means comprising an annular member disposed in surrounding relationship to said tubular member and being vertically adjustable, means disposed outside of the tank for vertically adjusting said member, said member having an annular chamber formed therein, the upper wall of said chamber being provided with a plurality of inlet openings and the lower wall of said chamber being provided with a plurality of discharge openings, the total area of the inlet openings being greater than that of the discharge openings, and a conduit connecting said chamber to the upper end of said tubular member, said conduit terminating in a portion extending downwardly into said chamber but terminating at a point spaced from the bottom wall thereof.

2,191,420
HEATER
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application March 1, 1937, Serial No. 128,417
6 Claims. (Cl. 257—137)

1. In an automobile-body heater of the circulating fluid type, a casing, a core, a transverse partition secured within said casing and having a central opening, means for clamping said core against said partition in alinement with said opening, said opening being smaller than said core so that a portion of the material of said partition overlaps said core near the periphery

thereof, said overlapping portion of said partition being displaced outwardly from the core to define an air passage extending rearwardly past the core at one side thereof, said casing being



provided near its rear face with an auxiliary air discharge opening communicating with said passage, a discharge fitting associated with said opening, and means for forcing air forwardly through said core.

2,191,421

DUSTING COMPOSITION

Alfred M. Boyce, Riverside, Calif.; dedicated and assigned to the Government and the People of the United States

No Drawing. Application December 2, 1937, Serial No. 177,737
1 Claim. (Cl. 167—24)

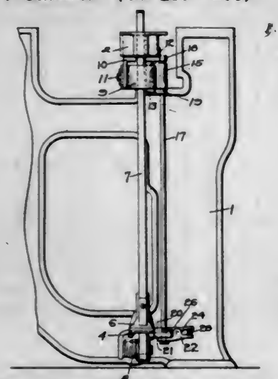
An insecticidal dust comprising as a major constituent walnut shell flour of smaller particle size than 100 screen mesh and a relatively small amount of an insecticidal toxicant selected from the class consisting of the extracts of rotenone- and pyrethrin-bearing plants intimately incorporated therewith.

2,191,422

PICKER STICK CHECK

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application June 10, 1939, Serial No. 279,537
7 Claims. (Cl. 139—165)



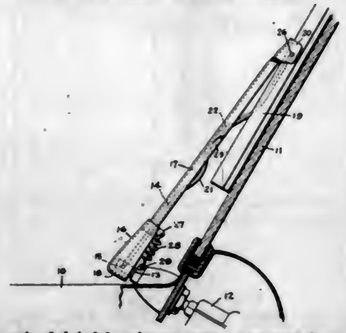
1. In a loom, the combination of a reciprocating lay, a picker stick carried by said lay, a flexible check strap forming a loop encircling said picker stick, means fixing one side of said loop to the lay, a fixed friction member having a friction surface engaging the other side of said loop, a vertical rod rotatably supported by the lay on the opposite side of said strap from said surface, an eccentric fixed on said rod and engaging said check strap and holding the latter against said friction surface, said eccentric being manually rotatably with said rod to adjust the position of the eccentric relation to said friction surface, and manually operable means for fixing said rod and thereby said eccentric in adjusted position.

2,191,423

WINDSHIELD CLEANER

Donald Bennion Browne, Harpenden, England, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y., a corporation of New York

Application November 9, 1936, Serial No. 109,853
In Great Britain November 29, 1935
11 Claims. (Cl. 15—255)



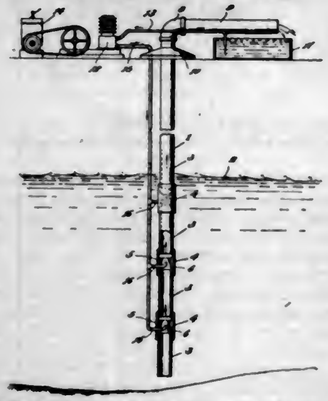
1. A windshield wiper arm comprising a connecting member having angularly extending terminal portions for engaging openings in a wiping strip and a driving motor shaft respectively, and an elongated locking member attached intermediate its length to said connecting member and having means at its opposite ends for maintaining engagement between said terminal portions and said wiping strip and said motor shaft respectively.

2,191,424

HYDRAULIC WATER LIFT

Gerald L. Cardinal, Floydada, Tex., assignor of one-half to John R. Hinton, Floydada, Tex.

Application September 20, 1938, Serial No. 230,879
1 Claim. (Cl. 103—261)



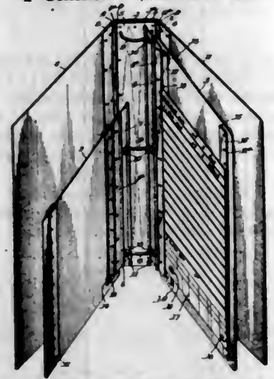
A hydraulic water hoist comprising a vertically disposed pipe line open at its top and bottom and of a length adapting it to have its lower portion immersed in a body of water, said pipe line consisting of a plurality of pipe sections and couplings connecting the same, each coupling being internally thickened to provide a constricted throat tapered towards its upper end and at its upper end surrounded by an annular shoulder concaved transversely, a receptacle disposed in position to be filled by water flowing from the upper end of the pipe line, a pump, a feed pipe for the pump extending from the inlet thereof and into said receptacle, a pipe leading from the outlet of said pump and downwardly at one side of said pipe line and provided with branch pipes extending into the pipe line through openings formed through side portions of said couplings midway upper and lower ends of the throats, and nozzles connected with inner ends of the branch pipes and tapered upwardly and formed with outlet openings at their upper ends for ejecting jets of water upwardly through the upper ends of the throats for urging water in the pipe line upwardly.

2,191,425

FILING BOOK FOR DATA CARDS

Albert L. Christiansen, Joliet, and Lucius J. Boynton, Lockport, Ill.

Application September 3, 1937, Serial No. 162,360
4 Claims. (Cl. 129—34)



4. In a card filing device of the book type, the combination of hingedly connected back and cover elements adapted to open into a single flat plane, leaf elements comprising rigid board-like bodies having means thereon for securing cards, rigid anchoring strips hingedly connected to said leaf elements adjacent their inner margins, curved anchoring means connected to the back of said book and to said anchoring strips and adapted to offset each of the hinges which connect said strips to said leaf bodies to a plane that permits each of the bodies, when the book is entirely open, to lie flat with respect to an accumulation of leaves beneath it.

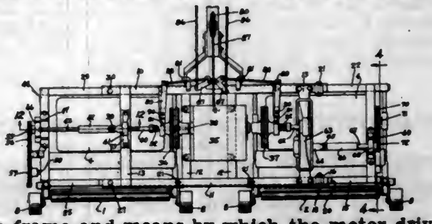
2,191,426

MOWING IMPLEMENT

John S. Clapper, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota

Application March 16, 1936, Serial No. 69,180
Renewed January 24, 1938
24 Claims. (Cl. 56—7)

1. A mowing implement comprising a pair of mower units aligned in direction transverse to their direction of travel, and each having a cutter and rolling support, a frame, means separately attaching each unit to the frame to rock in a vertical plane which is transverse to the direction of travel, and means for each unit yieldably supporting said frame and permitting each unit to rock in a vertical plane parallel to the direction of travel; one of said attaching means being formed to permit sliding of the unit also in direction transverse to the direction of travel, a motor on



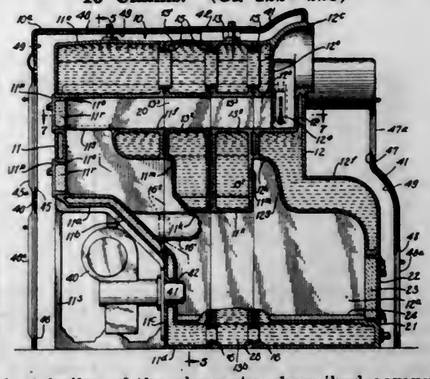
the frame and means by which the motor drives the rolling supports and the cutters.

2,191,427

BOILER

Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application August 13, 1936, Serial No. 95,753
15 Claims. (Cl. 122—225)



1. A boiler of the character described comprising a front section having an upper portion including a rearwardly extending lower wall intermediate of the section forming a burner chamber therebelow, a back section having a projecting lower portion, and an intermediate transverse section enclosing a fire pot and a combustion chamber, said back section having a smoke outlet therein, flues extending from said fire pot and combustion chamber to said smoke outlet, a water-backed crown sheet separating said fire pot and combustion chamber from said flues, and certain of said sections including registering transverse water-backed portions forming a partition in said fire pot and combustion chamber below said crown sheet, said crown sheet and said partition communicating at their opposite ends with the water-backed side wall portions of said sections, and said partition serving to direct the flow of hot gases and products of combustion over and under said partition before said currents pass out of said fire pot and combustion chamber.

2,191,428

DISSOLVING, SOFTENING, AND GELATINIZING AGENT

Rudolf Endres, Dessau-Rosslau, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany

No Drawing. Application May 20, 1937, Serial No. 143,757. In Germany May 23, 1936
4 Claims. (Cl. 106—40)

4. A stable water-repelling material of the

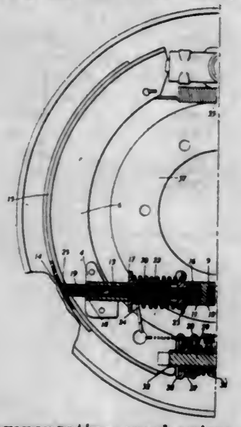
group consisting of lacquers and plastic masses suitable for forming water-proof coatings comprising a cellulose derivative and a tetrahydrofurfuryl ester of a higher molecular fatty acid containing at least 16 carbon atoms.

2,191,429

WEAR COMPENSATING MECHANISM FOR BRAKES

Andrew Herbird Sheldon Jenkins, Newport, and Wilfred Charles Jules Dubus Reece, Rumney, England, and Arthur William Tuck, Penarth, Wales

Application March 8, 1938, Serial No. 194,580
In Great Britain March 16, 1937
8 Claims. (Cl. 188—79.5)



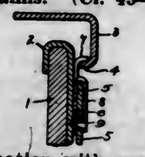
1. Wear compensating mechanism for brakes, comprising in combination a pair of brake shoes adapted to engage a brake drum, a slidably operable member which extends through each of the brake shoes and linings which are adapted to make contact with a brake drum, rotatable members to which torsion is applied which are normally held against rotation until the slidably operable members are depressed on lining wear taking place, when said rotatable members automatically rotate and advance the brake shoes towards the brake drum an amount equal to the wear of the brake lining and an expansible connector for adjustably connecting the brake shoe to compensate for the advancement of the brake shoes towards the brake drum.

2,191,430

SLIP COVER INSTALLATION, FASTENER FOR THE SAME, AND METHOD OF ATTACHING SAME

Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application February 3, 1937, Serial No. 123,883
3 Claims. (Cl. 45—138)



1. The combination with a vehicle body, having an upholstery panel, a molding overlapping a portion of said panel and a slip cover for covering said panel, of a fastener for the slip cover including a body portion, a hook-like portion hooked into engagement with said molding and a bendable clamping portion superposed above said body portion and connected to an outer edge thereof, said slip cover being gripped directly between said clamping portion and said body portion, said body portion having apertures and said clamping portion having prongs extending through the slip cover and into said apertures to prevent slipping of the slip cover from between the body portion and the clamping portion.

2,191,431

WOOD BLEACHING

Hans O. Kauffmann, Eggertsville, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

No Drawing. Application April 13, 1938, Serial No. 201,777
4 Claims. (Cl. 8—111)

1. The process of bleaching wood which comprises treating the wood with a solution of a peroxide containing a pyrophosphate.

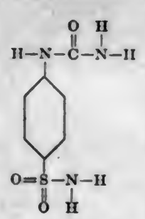
2,191,432

P-CARBAMIDOBENZENESULFONAMIDE AND PROCESS OF PRODUCING IT

Morris S. Kharasch and Otto Reinmuth, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application January 23, 1937, Serial No. 121,977
4 Claims. (Cl. 260—553)

1. The new product *p*-carbamidobenzenesulfonamide, which is represented by the following formula:

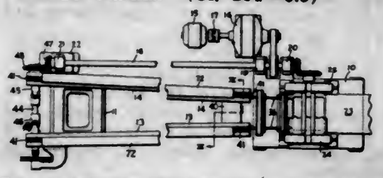


2,191,433

METAL SHEET FABRICATING MACHINE

John J. Manofsky, Warren, Ohio, assignor to National Gypsum Company, Buffalo, N. Y.

Application December 3, 1938, Serial No. 243,809
14 Claims. (Cl. 164—6.5)



1. In a machine for producing expanded metal sheets, chain means for gripping and conveying pre-slit work sheets having longitudinally extending marginal corrugations, said chain being made up of alternate and pivotally connected center links and pairs of side links, said center links each having a body portion pivotally connected to adjacent side links at each end thereof and a second portion movably associated therewith, said body portion and second portion cooperating to selectively clamp or release a work sheet by interlocking engagement with the marginal corrugations thereof.

DESIGNS

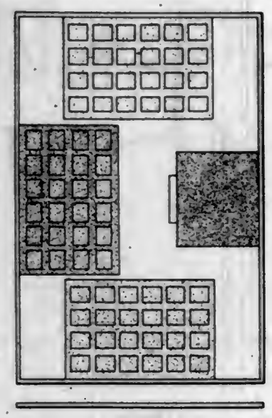
FEBRUARY 20, 1940

119,032

DESIGN FOR A GAME BOARD

Don L. Alger, Avalon, Calif.

Application December 1, 1939, Serial No. 88,619
Term of patent 7 years



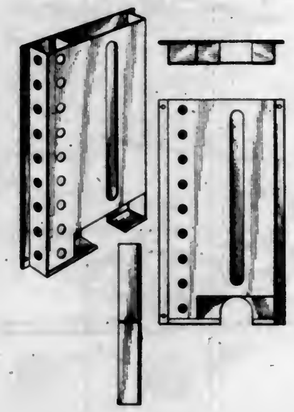
The ornamental design for a game board, as shown.

119,033

DESIGN FOR A FUSEE DISPENSER

Clark M. Bolser, Cedar Falls, Iowa

Application November 15, 1939, Serial No. 88,306
Term of patent 7 years



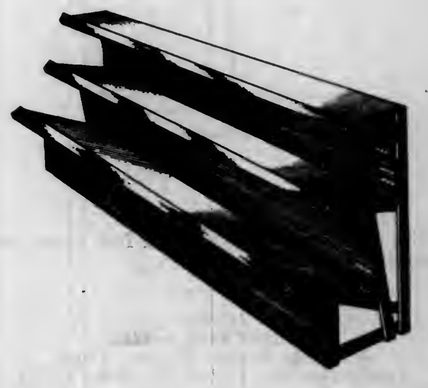
The ornamental design for a fusee dispenser, substantially as shown.

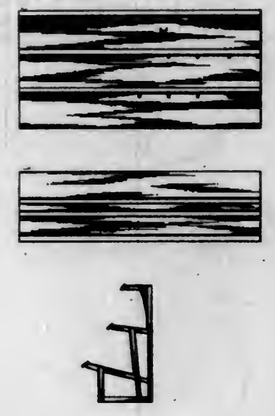
119,034

DESIGN FOR A DISPLAY RACK

Gaylord C. Gill, Grand Rapids, Mich., assignor to Wolverine Spice Company, Grand Rapids, Mich., a corporation of Michigan

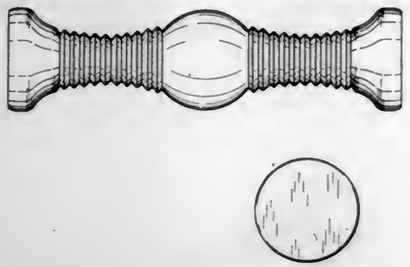
Application November 16, 1939, Serial No. 88,323
Term of patent 14 years





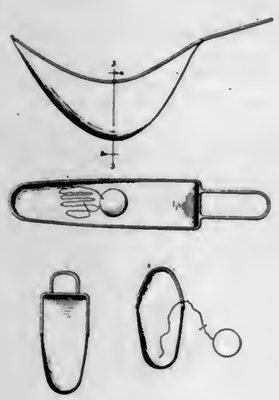
The ornamental design for a display rack, substantially as shown and described.

119,035
DESIGN FOR A FOOT ROLLER
Benjamin L. Lindgren, Renton, Wash.
Application February 18, 1939, Serial No. 83,072
Term of patent 14 years



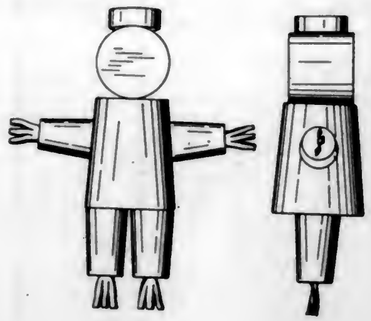
The ornamental design for a foot roller, substantially as shown.

119,036
DESIGN FOR A TOY
Armando Ferrer, Habana, Cuba
Application May 3, 1939, Serial No. 84,774
Term of patent 3½ years



The ornamental design for a toy, substantially as shown.

119,037
DESIGN FOR A TOY FIGURE
Jack E. Frick, Muncie, Ind.
Application November 1, 1939, Serial No. 88,001
Term of patent 7 years



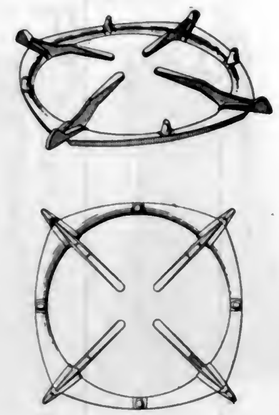
The ornamental design for a toy figure, as shown.

119,038
DESIGN FOR SHEARS
Lurelle Guild, Darien, Conn., assignor to The Acme Shear Company, Bridgeport, Conn., a corporation of Connecticut
Application October 23, 1939, Serial No. 87,815
Term of patent 14 years



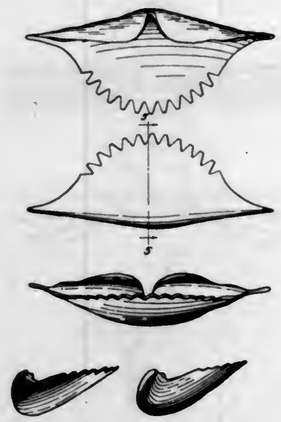
The ornamental design for shears, substantially as shown.

119,039
DESIGN FOR A UTENSIL SUPPORT FOR A DOMESTIC RANGE
John F. Hennessy, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 88,748
Term of patent 7 years



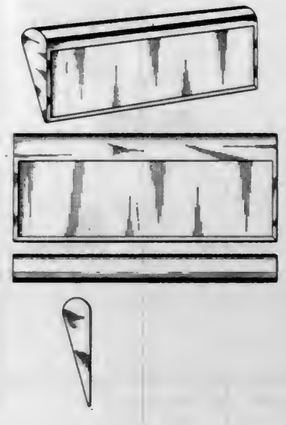
The ornamental design for a utensil support for a domestic range, substantially as shown.

119,040
DESIGN FOR AN EDIBLE CONTAINER
Daniel A. Hoffman, Woodbury, N. J., assignor of one-half to Frank Ogle, Woodbury, N. J.
Application October 31, 1939. Serial No. 87,953
Term of patent 14 years



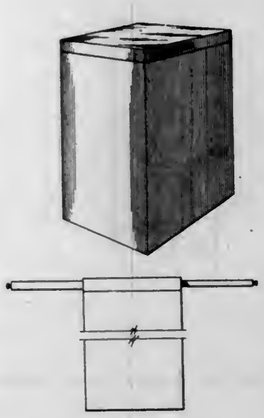
The ornamental design for an edible container, as shown.

119,041
DESIGN FOR A SIGN
Charles H. Macdonald and Leslie Rackham, San Francisco, Calif., assignors to Pacific Brewing & Malting Co., San Jose, Calif., a corporation of California
Application May 3, 1939, Serial No. 84,765
Term of patent 3½ years

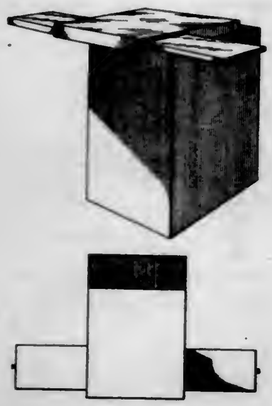


The ornamental design for a sign, as shown.

119,042
DESIGN FOR A CABINET OR THE LIKE
George L. McCarthy, Rye, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 6, 1939, Serial No. 84,830
Term of patent 14 years



119,042—Continued



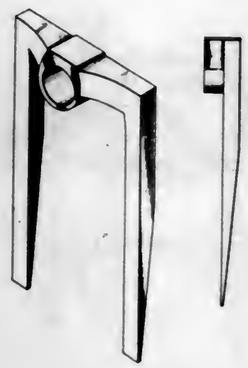
The ornamental design for a cabinet or the like, as shown and described.

119,043
DESIGN FOR A LIPSTICK CASE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1939, Serial No. 84,091
Term of patent 3½ years



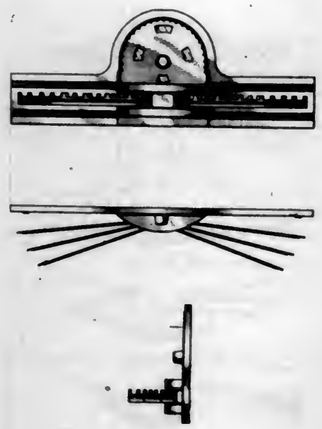
The ornamental design for a lipstick case, as shown.

119,044
DESIGN FOR A GARDEN TOOL HEAD
Arthur N. Naciopoulos, San Francisco, Calif.
Application June 1, 1939, Serial No. 85,297
Term of patent 7 years



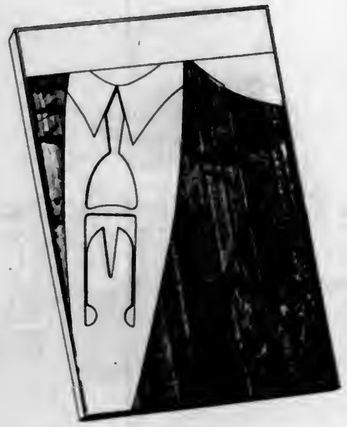
The ornamental design for a garden tool head, as shown.

119,045
DESIGN FOR A TIE RACK
Arthur A. Nu-Dell, Chicago, Ill., assignor to Nu-Dell Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application October 13, 1939, Serial No. 87,649
Term of patent 7 years



The ornamental design for a tie rack, as snown.

119,046
DESIGN FOR A DISPLAY FORM FOR HABERDASHERY
Arthur E. Orloff, New York, N. Y.
Application August 15, 1939, Serial No. 86,691
Term of patent 3½ years



The ornamental design for a display form for haberdashery, as shown.

119,047
DESIGN FOR A CHAIR
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application June 19, 1939, Serial No. 85,570
Term of patent 7 years



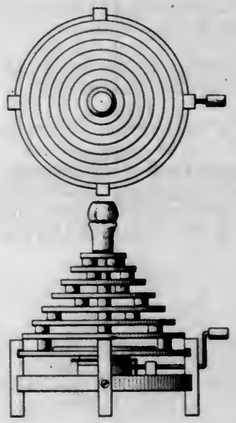
The ornamental design for a chair, substantially as shown.

119,048
DESIGN FOR A CHAIR
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application June 19, 1939, Serial No. 85,571
Term of patent 7 years



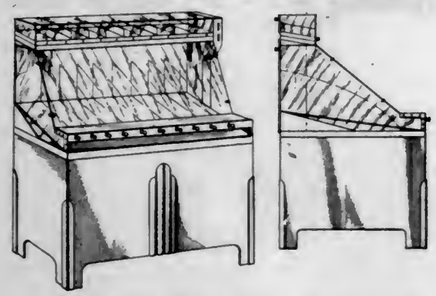
The ornamental design for a chair, substantially as shown.

119,049
DESIGN FOR A TOY
Joseph Pavlicek, Montevideo, Minn.
Application October 21, 1939, Serial No. 87,790
Term of patent 3½ years



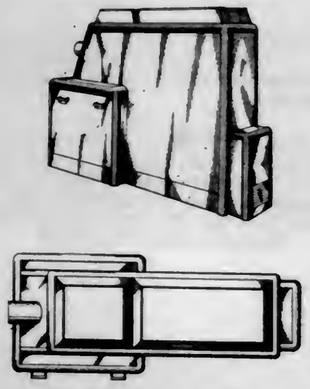
The ornamental design for a toy, as shown.

119,050
DESIGN FOR A VENDING CABINET
Samuel Rocklin, Duluth, Minn.
Application October 12, 1939, Serial No. 87,631
Term of patent 14 years



The ornamental design for a vending cabinet, as shown.

119,051
DESIGN FOR AN AIR CONDITIONING UNIT
Thomas Landseer Campbell Rogers, London, Ontario, Canada
Application October 2, 1939, Serial No. 87,477
Term of patent 7 years



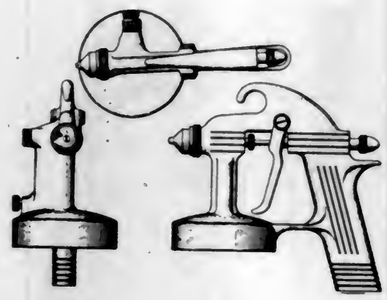
The ornamental design for an air conditioning unit, as shown and described.

119,052
DESIGN FOR A WEDDING RING
Monroe Sherman, New York, N. Y.
Application December 20, 1938, Serial No. 81,899
Term of patent 14 years



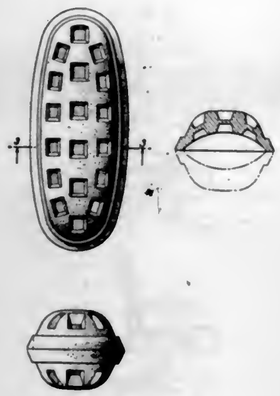
The ornamental design for a wedding ring, substantially as shown.

119,053
DESIGN FOR A COMBINED CONTAINER CLOSURE AND SPRAY GUN UNIT FOR COATING MATERIALS OR THE LIKE
Glenn W. Tammen, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 4, 1939, Serial No. 88,671
Term of patent 7 years



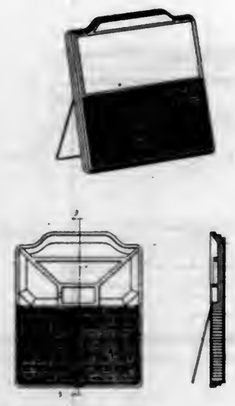
The ornamental design for a combined container closure and spray gun unit for coating materials or the like, substantially as shown.

119,054
DESIGN FOR AN EDIBLE FOOD SHELL
Benny B. Tolmack, San Francisco, Calif.
Application December 16, 1939, Serial No. 88,948
Term of patent 14 years



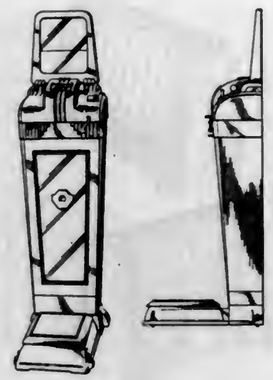
The ornamental design for an edible food shell, substantially as shown and described.

119,055
DESIGN FOR A PUNCH BOARD OR SIMILAR ARTICLE
William B. Vandegrift, Dayton, Ohio
Application June 26, 1939, Serial No. 85,686
Term of patent 3½ years



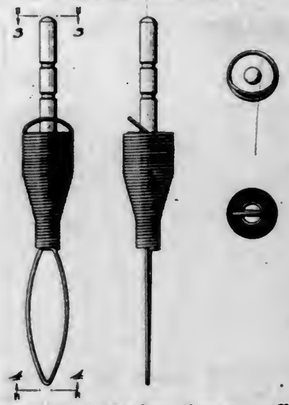
The ornamental design for a punch board or similar article, as shown.

119,056
DESIGN FOR A COMBINED WEIGHING SCALE AND MIRROR
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application December 16, 1939, Serial No. 88,947
Term of patent 14 years



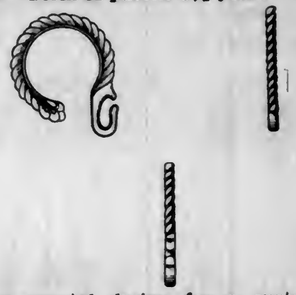
The ornamental design for a combined weighing scale and mirror, substantially as shown.

119,057
DESIGN FOR A COFFEE MAKER FILTER
Edward L. Wood, Detroit, Mich.
Application June 23, 1939, Serial No. 85,654
Term of patent 7 years



The ornamental design for a coffee maker filter, substantially as shown.

119,058
DESIGN FOR A CURTAIN HOOK
Benjamin H. Bandell, New York, N. Y.
Application January 5, 1940, Serial No. 89,315
Term of patent 3½ years



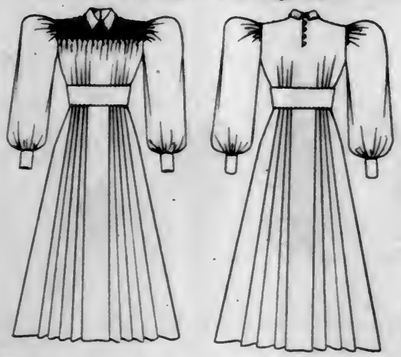
The ornamental design for a curtain hook, substantially as shown and described.

119,059
DESIGN FOR A PARING KNIFE
Harry Barbier, San Rafael, Calif.
Application March 14, 1939, Serial No. 83,569
Term of patent 3½ years



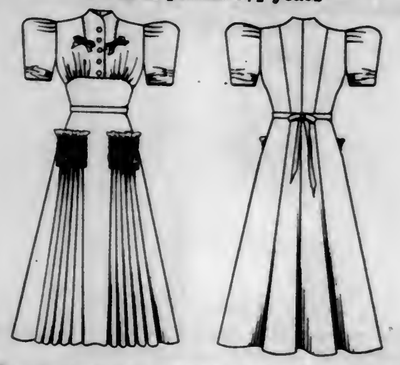
The ornamental design for a paring knife, substantially as shown.

119,060
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application January 12, 1940, Serial No. 89,414
Term of patent 3½ years



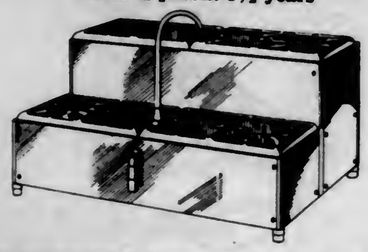
The ornamental design for a dress, substantially as shown.

119,061
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application January 15, 1940, Serial No. 89,464
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

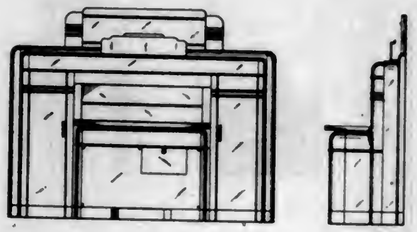
119,062
DESIGN FOR A STOVE
Elmer A. Chindlund, Los Angeles, Calif.
Application October 2, 1939, Serial No. 87,470
Term of patent 3½ years



The ornamental design for a stove, as shown and described.

119,063
DESIGN FOR AN AUTOMOTIVE MERCHANDISING SERVICE CABINET
Alexander P. Fox, University City, and August Daniel Reisert, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application November 18, 1939, Serial No. 88,362
Term of patent 7 years





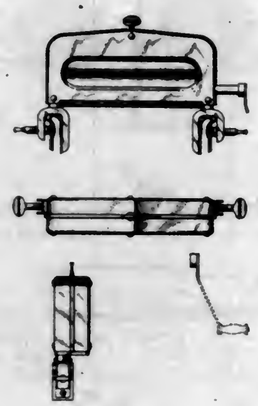
The ornamental design for an automotive merchandising service cabinet, substantially as shown and described.

119,064
DESIGN FOR AN ELECTRIC HEATER
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 82,253
Term of patent 7 years



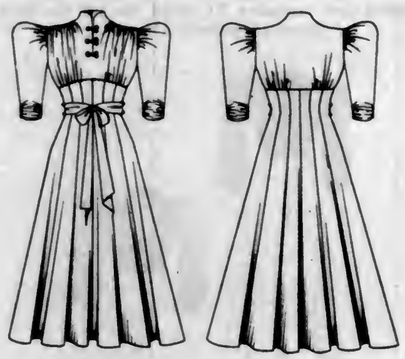
The ornamental design for an electric heater, substantially as shown and described.

119,065
DESIGN FOR A WRINGER
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 7, 1939, Serial No. 86,502
Term of patent 7 years



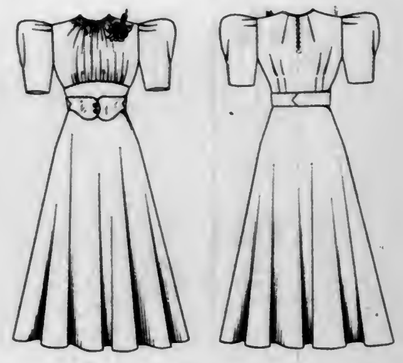
The ornamental design for a wringer, substantially as shown and described.

119,066
DESIGN FOR A DRESS
Benjamin Kleinman, New York, N. Y.
Application January 12, 1940, Serial No. 89,404
Term of patent 3½ years



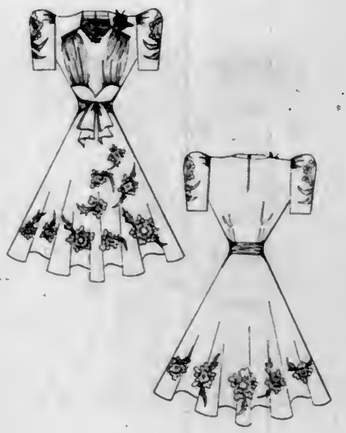
The ornamental design for a dress, substantially as shown.

119,067
DESIGN FOR A DRESS
Benjamin Kleinman, New York, N. Y.
Application January 12, 1940, Serial No. 89,405
Term of patent 3½ years



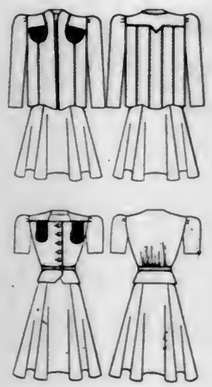
The ornamental design for a dress, substantially as shown.

119,068
DESIGN FOR A DRESS
Samuel Kronenfeld, New York, N. Y.
Application January 9, 1940, Serial No. 89,353
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,069
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznetz, New York, N. Y.
Application January 17, 1940, Serial No. 89,504
Term of patent 3½ years



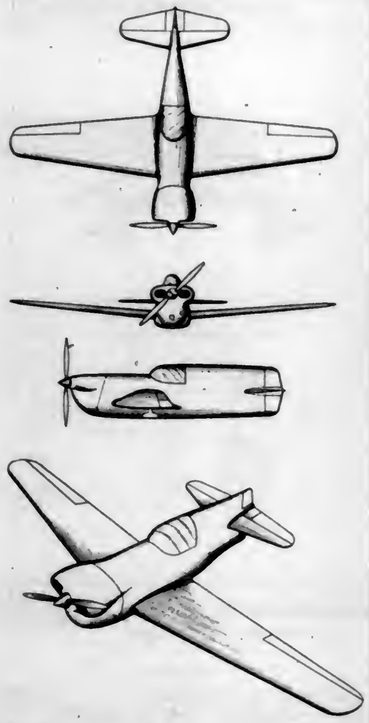
The ornamental design for a dress ensemble, substantially as shown.

119,070
DESIGN FOR A DRESS ENSEMBLE
Christine Mazola, New York, N. Y.
Application January 9, 1940, Serial No. 89,354
Term of patent 3½ years



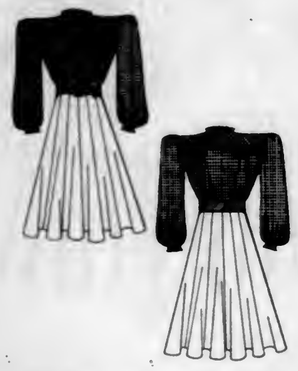
The ornamental design for a dress ensemble, substantially as shown.

119,071
DESIGN FOR AN AIRPLANE
Carl Herbert Miller, Los Angeles, Calif.
Application May 29, 1939, Serial No. 85,244
Term of patent 7 years



The ornamental design for an airplane, as shown.

119,072
DESIGN FOR A DRESS
Bernard Ringel, New York, N. Y.
Application January 11, 1940, Serial No. 89,382
Term of patent 3½ years



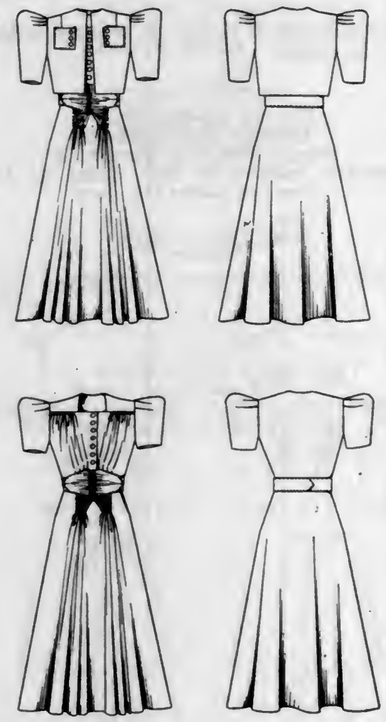
The ornamental design for a dress, substantially as shown.

119,073
DESIGN FOR SUNGLASSES
Marcel Rochas, Paris, France
Application June 21, 1939, Serial No. 85,608
In France April 24, 1939
Term of patent 7 years



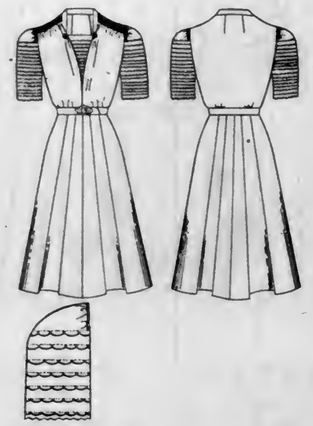
The ornamental design for sunglasses, substantially as shown.

119,074
DESIGN FOR A DRESS ENSEMBLE
Sydelle Rosen, New York, N. Y.
Application January 15, 1940, Serial No. 89,462
Term of patent 3½ years



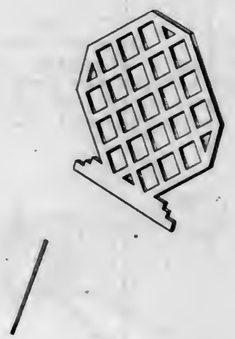
The ornamental design for a dress ensemble, substantially as shown.

119,075
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application January 17, 1940, Serial No. 89,506
Term of patent 3½ years



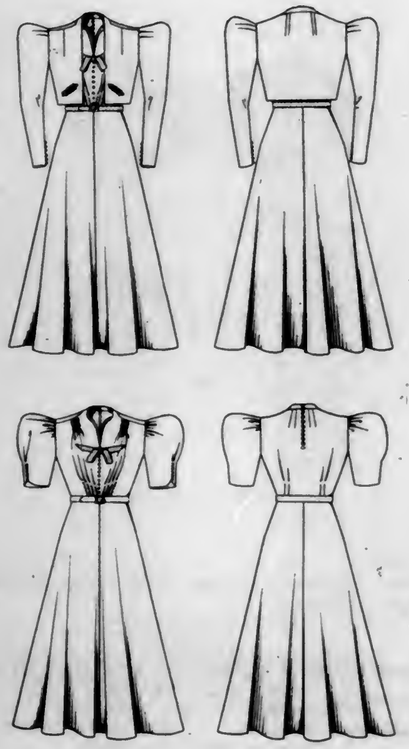
The ornamental design for a dress, substantially as shown.

119,076
DESIGN FOR A DISPLAY RACK FOR NECKTIES OR THE LIKE
William Seidler, New York, N. Y.
Application December 15, 1939, Serial No. 88,912
Term of patent 3½ years



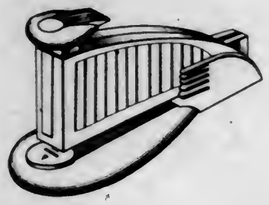
The ornamental design for a display rack for neckties or the like, substantially as shown.

119,077
DESIGN FOR A DRESS ENSEMBLE
Jacob Siegel, New York, N. Y.
Application December 18, 1939, Serial No. 88,960
Term of patent 3½ years



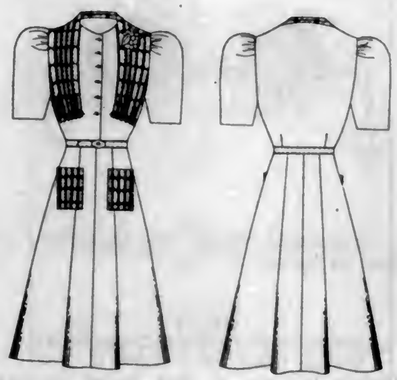
The ornamental design for a dress ensemble, substantially as shown.

119,078
DESIGN FOR A STAPLING MACHINE
Charles I. Tager, New York, N. Y.
Application November 17, 1939, Serial No. 88,341
Term of patent 7 years



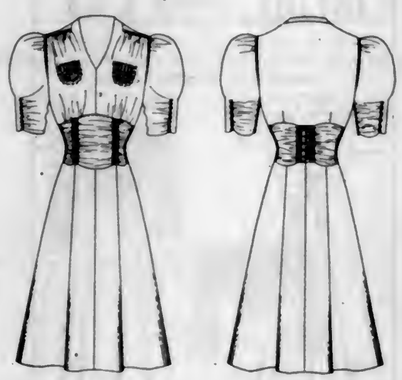
The ornamental design for a stapling machine, substantially as shown and described.

119,079
DESIGN FOR A DRESS
Mary Tolosi, New York, N. Y.
Application January 15, 1940, Serial No. 89,457
Term of patent 3½ years



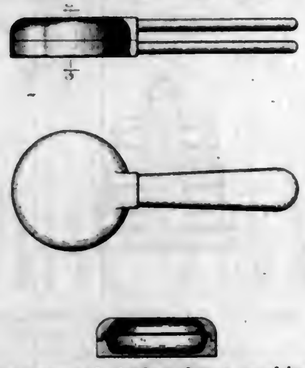
The ornamental design for a dress, substantially as shown.

119,030
DESIGN FOR A DRESS
Mary Tolosi, New York, N. Y.
Application January 15, 1940, Serial No. 89,458
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,081
DESIGN FOR A COOKING UTENSIL FOR EGGS, HAMBURGER, PANCAKES, SANDWICHES OR THE LIKE
Thomas Weststrang, Chicago, Ill.
Application November 13, 1939, Serial No. 88,233
Term of patent 14 years



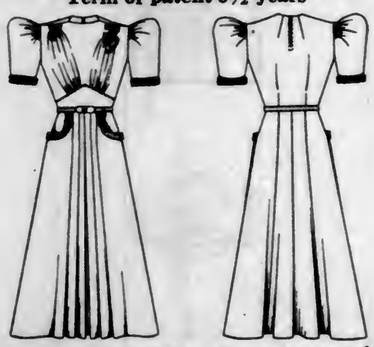
The ornamental design for a cooking utensil, for eggs, hamburger, pancakes, sandwiches or the like, as shown.

119,082
DESIGN FOR A BARRETTE
Daniel D. Whyte, Brooklyn, N. Y., assignor to Ross M. McFadden, Los Angeles, Calif.
Application December 8, 1939, Serial No. 88,770
Term of patent 7 years



The ornamental design for a barrette, as shown.

119,083
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application December 18, 1939, Serial No. 88,965
Term of patent 3½ years



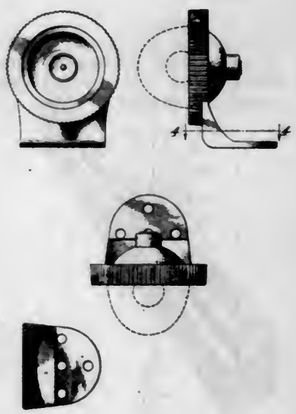
The ornamental design for a dress, substantially as shown.

119,084
DESIGN FOR A HOLDER FOR CONDIMENTS OR THE LIKE
August Dekarski, Minneapolis, Minn.
Application December 8, 1939, Serial No. 88,769
Term of patent 14 years



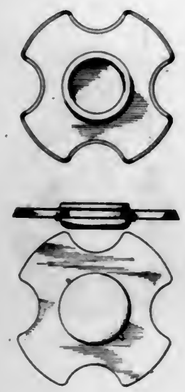
The ornamental design for a holder for condiments or the like, as shown.

119,085
DESIGN FOR AN ELECTRIC LAMP UNIT
Samuel M. Dover, Chicago, Ill.
Application September 21, 1938, Serial No. 80,017
Term of patent 3½ years



The ornamental design for an electric lamp unit, as shown and described.

119,086
DESIGN FOR AN ASHTRAY
Samuel L. Fisher, Butler, Pa.
Application May 16, 1939, Serial No. 85,014
Term of patent 3½ years



The ornamental design for an ashtray, as shown.

119,087
DESIGN FOR A COMBINATION CONTAINER FOR SIGNAL FLAG, FUSE, AND TORPEDO
Michael J. Freemark, Breckenridge, Minn.
Application November 18, 1939, Serial No. 88,365
Term of patent 3½ years



The ornamental design for a combination container for signal flag, fuse, and torpedo, as shown and described.

119,088
DESIGN FOR A BOTTLE
Walter R. Leach, Baltimore, Md.
Application November 15, 1939, Serial No. 88,300
Term of patent 14 years



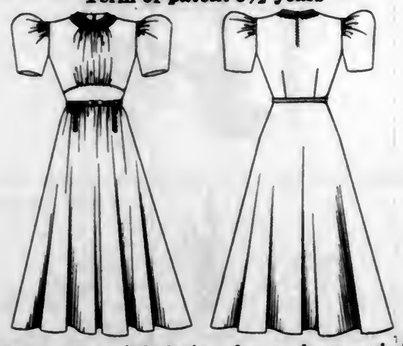
The ornamental design for a bottle, as shown.

119,089
DESIGN FOR A BOTTLE
Walter R. Leach, Baltimore, Md.
Application November 15, 1939, Serial No. 88,301
Term of patent 14 years



The ornamental design for a bottle, as shown.

119,090
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application December 18, 1939, Serial No. 88,964
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,091
DESIGN FOR A PIN CLIP
Oreste Pennino, New York, N. Y.
Application January 17, 1940, Serial No. 89,517
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,092
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,508
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,093
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,510
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,094
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,511
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,095
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,512
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,096
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,513
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shewn.

119,097
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,514
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,098
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,515
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,099
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 17, 1940, Serial No. 89,516
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,100
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 18, 1940, Serial No. 89,531
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,101
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 18, 1940, Serial No. 89,532
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,102
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 18, 1940, Serial No. 89,534
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,103
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 18, 1940, Serial No. 89,536
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,104
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 18, 1940, Serial No. 89,538
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,105
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application January 18, 1940, Serial No. 89,539
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,106
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application January 10, 1940, Serial No. 89,367
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

119,107
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application January 18, 1940, Serial No. 89,540
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,108
DESIGN FOR A PIN CLIP
Joseph Wuyts, New York, N. Y.
Application January 18, 1940, Serial No. 89,541
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

119,109
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application December 21, 1939, Serial No. 89,056
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

119,110
DESIGN FOR A RUG
Lucien Biva, Long Island City, N. Y., assignor to William E. Roschen, Spring Lake, N. J., Albert A. Levy, New York, N. Y., and John Hastedt, Teaneck, N. J., coexecutors of the Estate of Otto Timme, deceased, doing business under the name and style of E. F. Timme & Son, New York, N. Y.
Application December 19, 1939, Serial No. 89,004
Term of patent 7 years



The ornamental design for a rug, as shown.

119,111
DESIGN FOR A TEXTILE FABRIC
Alexander Goldenheim, New York, N. Y.
Application December 20, 1939, Serial No. 89,035
Term of patent 3½ years



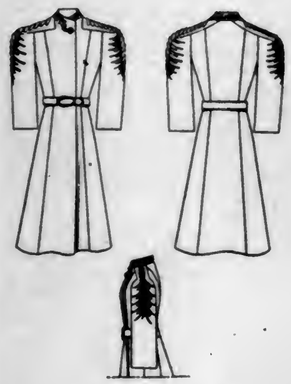
The ornamental design for a textile fabric, substantially as shown.

119,112
DESIGN FOR A TEXTILE FABRIC
Alexander Goldenheim, New York, N. Y.
Application December 20, 1939, Serial No. 89,036
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

119,113
DESIGN FOR A COAT
Aniello Miele, New York, N. Y.
Application January 8, 1940, Serial No. 89,344
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

119,114
DESIGN FOR A COAT
Samuel Stimell, New York, N. Y.
Application January 12, 1940, Serial No. 89,415
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,115
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application January 10, 1940, Serial No. 89,368
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

119,116
DESIGN FOR AN EMBROIDERED FABRIC
Joseph Aarons, New York, N. Y.
Application January 18, 1940, Serial No. 89,556
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

119,117
DESIGN FOR A LACE
Henry Giebel, New York, N. Y.
Application January 23, 1940, Serial No. 89,649
Term of patent 3½ years



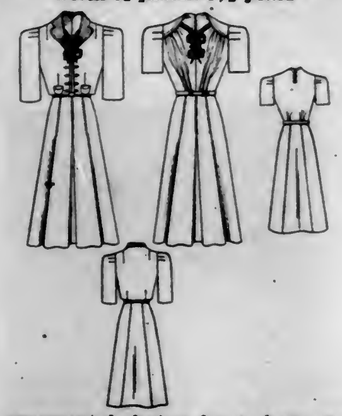
The ornamental design for a lace, substantially as shown.

119,118
DESIGN FOR A TEXTILE FABRIC
Benjamin Kleinman, New York, N. Y.
Application January 22, 1940, Serial No. 89,621
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

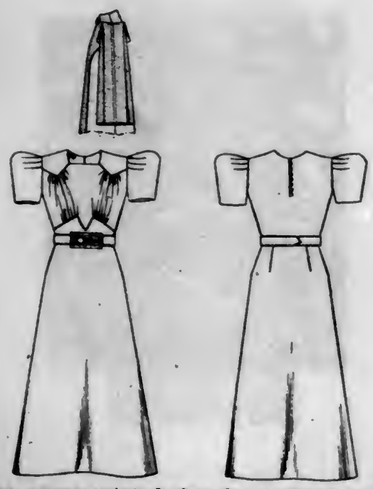
119,119
DESIGN FOR A DRESS ENSEMBLE
Sidney J. Poster, New York, N. Y.
Application January 16, 1940, Serial No. 89,493
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

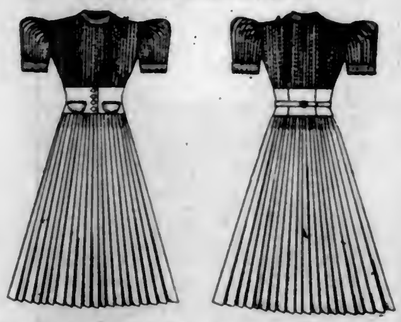
119,120
DESIGN FOR A DRESS ENSEMBLE
Sydelle Rosen, New York, N. Y.
Application January 15, 1940, Serial No. 89,463
Term of patent 3½ years





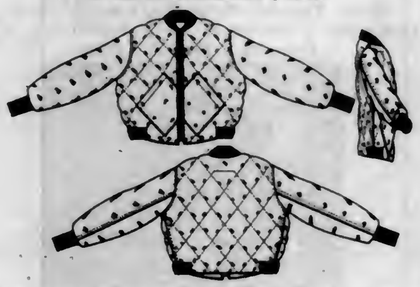
The ornamental design for a dress ensemble, substantially as shown and described.

119,121
DESIGN FOR A DRESS
Leonard Zahn, New York, N. Y.
Application January 29, 1940, Serial No. 89,808
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,122
DESIGN FOR A JACKET
Eddie Bauer, Seattle, Wash.
Application December 26, 1939, Serial No. 89,138
Term of patent 14 years



The ornamental design for a jacket, as shown.

119,123
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 20, 1940, Serial No. 89,595
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,124
DESIGN FOR A DRESS ENSEMBLE
Sylvia Faden, New York, N. Y.
Application January 29, 1940, Serial No. 89,800
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,125
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application January 20, 1940, Serial No. 89,596
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,126
DESIGN FOR A RUG
Stuart C. Halladay, Franklin, Mass.
Application December 30, 1939, Serial No. 89,244
Term of patent 7 years



The ornamental design for a rug, as shown and described.

119,127
DESIGN FOR A DRESS
Mark Jacobson, New York, N. Y.
Application January 24, 1940, Serial No. 89,659
Term of patent 3½ years



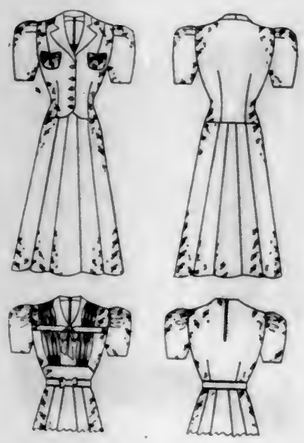
The ornamental design for a dress, substantially as shown and described.

119,128
DESIGN FOR A DRESS ENSEMBLE
Elsye Kay, New York, N. Y.
Application January 24, 1940, Serial No. 89,658
Term of patent 3½ years



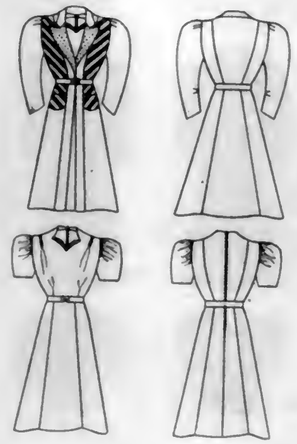
The ornamental design for a dress ensemble, substantially as shown.

119,129
DESIGN FOR A DRESS ENSEMBLE
Elsye Kay, New York, N. Y.
Application January 27, 1940, Serial No. 89,755
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,130
DESIGN FOR A DRESS ENSEMBLE
Elsye Kay, New York, N. Y.
Application January 27, 1940, Serial No. 89,757
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,131
DESIGN FOR A STOCKING
William N. Minkel, Milwaukee, Wis., assignor to Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 16, 1939, Serial No. 87,689
Term of patent 7 years



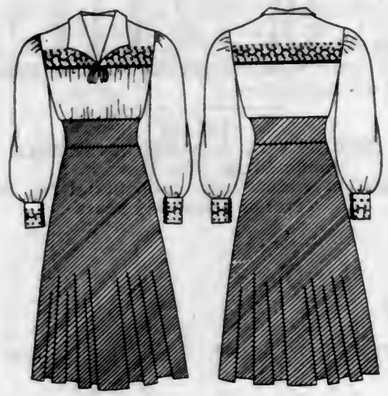
The ornamental design for a stocking, as shown and described.

119,132
DESIGN FOR A TEXTILE FABRIC
Stephen B. Musson, West Englewood, N. J., assignor to Deering Milliken & Co., Inc., New York, N. Y.
Application January 9, 1940, Serial No. 89,359
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

119,133
DESIGN FOR A DRESS
Syd Novak, Chicago, Ill.
Application January 19, 1940, Serial No. 89,570
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,134
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 19, 1940, Serial No. 89,571
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,135
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 27, 1940, Serial No. 89,759
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,136
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 27, 1940, Serial No. 89,760
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,137
DESIGN FOR A DRESS ENSEMBLE
Syd Novak, Chicago, Ill.
Application January 29, 1940, Serial No. 89,801
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,138
DESIGN FOR A TEXTILE FABRIC
Carl Alfred Tips, New York, N. Y.
Application January 2, 1940, Serial No. 89,253
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

119,139
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application January 12, 1940, Serial No. 89,413
Term of patent 3½ years

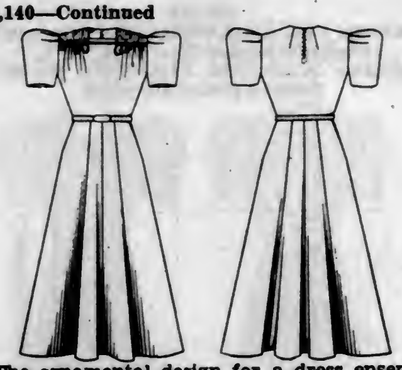


The ornamental design for a dress, substantially as shown.

119,140
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application January 12, 1940, Serial No. 89,409
Term of patent 3½ years

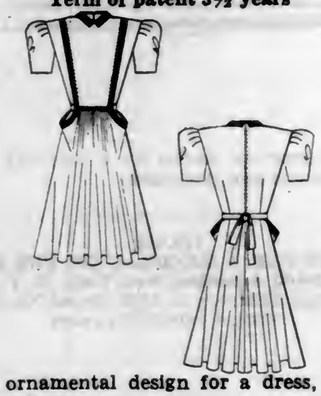


119,140—Continued



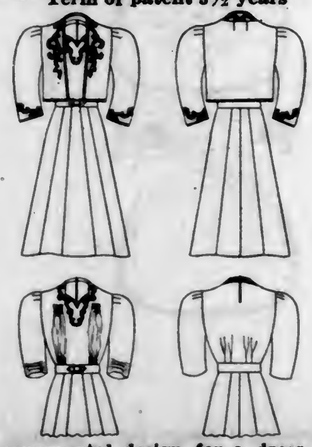
The ornamental design for a dress ensemble, substantially as shown.

119,141
DESIGN FOR A DRESS
Cele Frankel, New York, N. Y.
Application January 23, 1940, Serial No. 89,641
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,142
DESIGN FOR A DRESS ENSEMBLE
Philip Heit, New York, N. Y.
Application January 24, 1940, Serial No. 89,660
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,143
DESIGN FOR A DRESS
Adele Ofshe, New York, N. Y.
Application January 16, 1940, Serial No. 89,494
Term of patent 3½ years



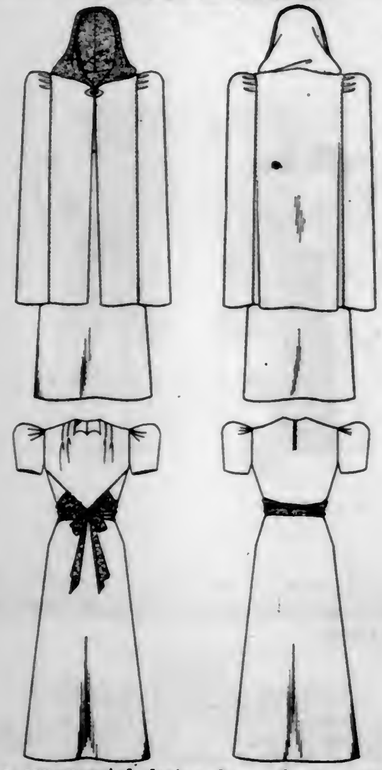
The ornamental design for a dress, substantially as shown.

119,144
DESIGN FOR A DRESS
Sidney J. Poster, New York, N. Y.
Application January 16, 1940, Serial No. 89,492
Term of patent 3½ years



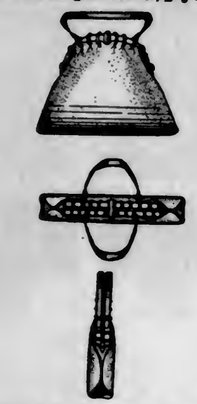
The ornamental design for a dress, substantially as shown.

119,145
DESIGN FOR A DRESS ENSEMBLE
Sydelle Rosen, New York, N. Y.
Application January 15, 1940, Serial No. 89,461
Term of patent 3½ years



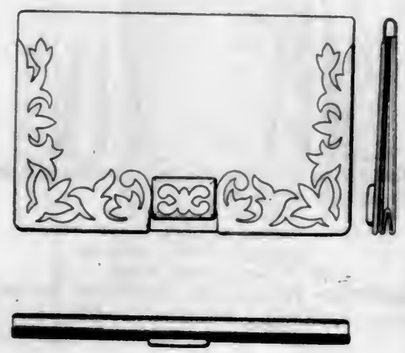
The ornamental design for a dress ensemble, substantially as shown.

119,146
DESIGN FOR A HANDBAG
Eli Rosenberg, New York, N. Y.
Application January 26, 1940, Serial No. 89,744
Term of patent 3½ years



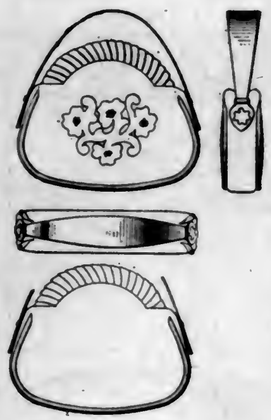
The ornamental design for a handbag, substantially as shown, and described.

119,147
DESIGN FOR A HANDBAG OR THE LIKE
Adolph Schenker, New York, N. Y.
Application January 26, 1940, Serial No. 89,738
Term of patent 3½ years



The ornamental design for a handbag or the like, as shown and described.

119,148
DESIGN FOR A HANDBAG OR THE LIKE
Adolph Schenker, New York, N. Y.
Application February 1, 1940, Serial No. 89,941
Term of patent 3½ years



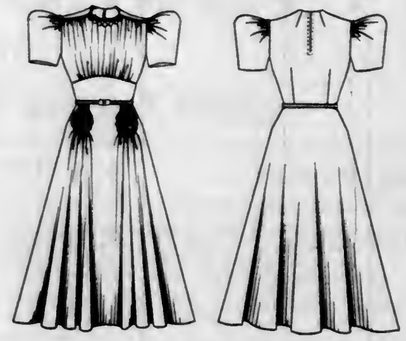
The ornamental design for a handbag or the like, as shown.

119,149
DESIGN FOR A DRESS
Mollie Tint, New York, N. Y.
Application January 29, 1940, Serial No. 89,802
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,150
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application January 12, 1940, Serial No. 89,406
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,191,434 to 2,192,165

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 511—No. 4 TUESDAY, FEBRUARY 27, 1940 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of February 27, 1940	799
Adjudicated Patents	799
Notice of Cancellation	799
Adverse Decisions in Interference	799
Applications Under Examination	800
Decisions of the U. S. Courts—	
Bielsoff Products Co. v. White Horse Distillers, Limited	801
Patent Suits	803
Disclaimers	804
Bulletin of Decisions of Patent Office on Trade-Marks, Labels, and Prints	805
Trade-Marks Published (179 Applications)	807
Trade-Mark Registrations Granted	829
Trade-Mark Registrations Renewed	837
Labels	839
Labels Renewed	840
Prints	840
Reissues	841
Plant Patents	842
Patents Granted	843
Designs	1013

February 27, 1940

Trade-Marks	173—No.	375,652 to No.	375,824, inclusive.
T. M. Renewals	53		
Labels	40—No.	54,298 to No.	54,337, inclusive.
Labels Renewed	1		
Prints	14—No.	17,843 to No.	17,856, inclusive.
Reissues	7—No.	21,371 to No.	21,377, inclusive.
Plant Patents	1—No.	364	
Patents	732—No.	2,191,434 to No.	2,192,165, inclusive.
Designs	102—No.	119,151 to No.	119,252, inclusive.
Total	1,123		

Adjudicated Patents

(C. C. A. Conn.) Genest patent, No. 1,533,351, for process of shrinking, etc. felt articles, claims 10, 14, and 19 *Held* valid and infringed. *U. S. Hat Machinery Corp. v. Boesch Mfg. Co.*, 108 F.(2d) 417.

(C. C. A. Ohio.) LaBour patent, No. 1,578,236, for centrifugal pump, claims 21, 24, 32, and 41 *Held* not infringed. *LaBour v. Gorman-Rupp Co.*, 108 F.(2d) 279.

(D. C. N. J.) Hayden patent, No. 1,684,671, for method of preventing evaporation from concrete during curing, *Held* valid and infringed. *Barber Asphalt Corp. v. LaFera Grecco Contracting Co.*, 30 F. Supp. 497.

(C. C. A. N. J.) Steckel patent, No. 1,744,016, for metal rolling, *Held* valid and infringed. *Cold Metal Process Co. v. Carnegie-Illinois Steel Corp.*, 108 F.(2d) 322.

(C. C. A. N. J.) Steckel patent, No. 1,744,017, for rolling metal strip, *Held* invalid. *Id.*

(C. C. A. N. J.) Steckel patent, No. 1,744,018, for method and apparatus for rolling, *Held* invalid. *Id.*

(D. C. Ohio.) Werder patent, No. 1,762,903, for self-dispensing liquid package, claim 10 *Held* invalid and not infringed if valid. *Werder v. Continental Can Co.*, 30 F. Supp. 534.

(C. C. A. N. J.) Steckel patent, No. 1,779,195, for method and apparatus for rolling thin sheetlike material, *Held* valid and infringed. *Cold Metal Process Co. v. Carnegie-Illinois Steel Corp.*, 108 F.(2d) 322.

(D. C. Ohio.) Werder patent, No. 1,788,261, for sheet-metal can and method of making the same, claims 3, 8, and 12 *Held* not infringed. *Werder v. Continental Can Co.*, 30 F. Supp. 534.

(D. C. Mich.) Brown patent, No. 1,982,367, for box or crate, claims 2, 3, 6, 7, 8, 9, and 10 *Held* not infringed. *Chicago Mill & Lumber Co. v. Grand Rapids Sample Case Co.*, 30 F. Supp. 510.

(C. C. A. Mich.) Von Voigtlander patent, No. 2,039,694, for diaphragm horn, claims 1 to 6, and 8 *Held* invalid. *Westinghouse Air Brake Co. v. Schwarze Electric Co.*, 108 F.(2d) 352.

(C. C. A. Mich.) McCune reissue patent, No. 18,682, for vacuum operated horn, claims 1, 4, and 5 *Held* invalid. *Id.*

(C. C. A. Pa.) Pecora design patent, No. 98,609, for milk bottle, *Held* not infringed. *Pecora v. Modern Sanitary Dairies of Pennsylvania*, 108 F.(2d) 313.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Jan. 30, 1940.*

Fireking Fire Extinguisher Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by James A. King, 523 S. W. Pine St., Portland, Oreg., to effect the cancellation of trade-mark registration of Fireking Fire Extinguisher Company, Inc., Colman Dock on Railroad Ave., Seattle, Wash., No. 242,232, dated May 15, 1928, and the notice of such proceeding sent by registered mail to the said Fireking Fire Extinguisher Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless Fireking Fire Extinguisher Company, Inc., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the Official Gazette after final decision in the proceedings.

Condition of Applications Under Examination at Close of Business February 10, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,035; Trade-Mark Division, 1,417. Oldest new case, June 21, 1939; oldest amended, June 10, 1939.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 2	Sept. 11	553
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 18	July 21	898
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 12	Dec. 11	290
7063	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 7	Oct. 3	559
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 10	Nov. 13	419
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 10	Aug. 9	990
5725	7. JARBOE, C. G., Optics; Photography	Oct. 12	Oct. 3	920
3895	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 1	July 22	1088
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 15	Aug. 15	770
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Oct. 2	Nov. 3	484
5097B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 25	Oct. 21	443
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 16	Aug. 29	451
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 28	Aug. 21	709
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 16	Nov. 13	509
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 11	Aug. 17	1376
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 23	Sept. 9	614
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 2	Sept. 5	697
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 14	Sept. 13	587
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 31	Oct. 5	477
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 14	Oct. 10	326
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 12	Oct. 9	467
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 17	July 17	1098
7624	23. BUTTNER, W. J., Registers (part)	July 19	July 19	295
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	June 26	June 19	1322
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 6	Oct. 11	623
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Sept. 21	Sept. 26	480
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Aug. 5	July 31	973
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 2	Sept. 9	495
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Aug. 12	Aug. 14	826
4093	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 14	Sept. 11	698
4716	31. DUNOOMBE, C. S., Mineral Oils; Hydrocarbons	Oct. 11	Oct. 10	994
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 6	Oct. 28	1188
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 28	Sept. 11	1188
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Dec. 12	Nov. 21	1188
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 9	Sept. 16	765
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 5	Sept. 2	638
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 19	Aug. 16	711
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 11	July 11	778
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 26	Sept. 25	695
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 15	July 20	1088
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 24	Aug. 24	1088
5882	42. CUTTING, H. O., Electric Signaling	July 26	July 28	709
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 30	Oct. 2	488
4087B	44. HARVEY, L. P., Refrigeration	Sept. 6	Aug. 26	696
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 31	Nov. 10	541
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 15	Sept. 20	745
6082	47. LOWE, E. R., Clutches; Brakes	Oct. 11	Oct. 10	538
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 15	Sept. 15	476
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 8	Aug. 11	943
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 7	Sept. 19	1317
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 2	Nov. 9	622
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Oct. 7	Oct. 12	705
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 28	Oct. 2	308
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 16	Nov. 9	289
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 20	Oct. 9	440
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Aug. 12	Aug. 14	1238
6613	57. NICOLSON, G. D. C., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 19	Nov. 7	409
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 2	Sept. 13	503
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Sept. 1	Sept. 1	843
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Sept. 25	Sept. 25	395
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 12	Sept. 11	629
5621	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 22	Nov. 24	405
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 17	July 14	1056
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Oct. 26	Oct. 26	702
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 3	Sept. 26	471
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Jan. 3	Jan. 23	1318
	{Labels and Prints	Jan. 19	Jan. 26	69
2605	Designs: H. H. KALUPY	Dec. 1	Jan. 15	895

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

BIELZOFF PRODUCTS CO.
v.
WHITE HORSE DISTILLERS, LIMITED

No. 4,213. Decided December 4, 1939

[107 F.(2d) 583]

1. TRADE-MARKS—EVIDENCE OF OWNERSHIP.

"There is no evidence of record relative to the use of appellee's trade-mark 'Black Horse' in the United States, and, although counsel for appellant argues that it is not used in this country, it is sufficient to say that appellee's registration of the mark is prima facie evidence of ownership (section 16, Trade-Mark Act, 1905), and will be considered as presumptively valid in this proceeding."

2. SAME—OPPOSITION—FAILURE TO ESTABLISH ACTUAL CONFUSION NOT OF VITAL IMPORTANCE.

"The issue here is whether the involved marks so nearly resemble one another as 'to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers' if used concurrently on the goods of the respective parties, and the failure to establish actual confusion in trade is not of vital importance, Section 5, Trade-Mark Act of 1905."

3. SAME—SAME—TESTS IN DETERMINING CONFUSING SIMILARITY.

"We have repeatedly held that, in determining the question of confusing similarity, 'side-by-side comparison' of trade-marks is not a proper test. The test rather is whether a 'casual purchaser' would be likely to be confused by the concurrent use of the marks on the goods of the respective parties. Furthermore, the marks should not be dissected, but should be considered as a whole."

4. SAME—SAME—SIMILARITY OF MARKS—"RED HORSE", AND "WHITE HORSE" AND "BLACK HORSE".

Trade-Mark featuring the words "Red Horse" in white lettering immediately above a representation in red silhouette of a rearing horse for use on cordials, liqueur, brandies, rums, cocktails, gins, alcoholic bitters, etc., *Held* likely to cause confusion in trade with opposer's registered trade-marks, featuring the words "White Horse" and a representation of a white horse, and the words "Black Horse" and a representation of a black horse, used on whisky.

APPEAL from Patent Office. Affirmed.

Mr. James P. Burns for Bielzoff Products Co.

Mr. Randolph B. Cousins (*Messrs. Cousins and Cousins, Mr. Christopher C. Cousins, Mr. Alden D. Redfield*, and *Mr. Francis E. Boyce* of counsel) for White Horse Distillers, Limited.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences sustaining appellee's notice of opposition and holding that appellant was not entitled to the registration of a trade-mark comprising the words "Red Horse" in white lettering immediately above a representation in red silhouette of a rearing horse with a rider thereon, all appearing on a black background, for use on cordials, liqueurs, brandies, rums, cocktails, gins, alcoholic bitters, alcoholic syrups for mixing drinks, and ethyl alcohol.

In its application for registration, appellant stated that it had used its trade-mark on its goods since February 9, 1934.

As originally filed, appellant's application included whiskies along with the other beverages on which it claimed to have used its trade-mark. The term "whiskies" was cancelled, however, by an amendment to the application, made subsequent to the decision of the Examiner of Interferences and while the appeal was pending before the Commissioner of Patents.

It appears from the record that for approximately seven years prior to February 9, 1934, appellant and its predecessor were engaged in the manufacture and sale of non-alcoholic cordials, syrups, and extracts; that about two years prior to the repeal of the Eighteenth Amendment, December 6, 1933, appellant's predecessor, D. J. Bielzoff Products Company, a partnership, used a trade-mark comprising the word "Incomparable" in white lettering immediately above a representation in red silhouette of a rearing horse with a rider thereon, and the initials "D. J. B." also in white lettering, in a circle in the upper left-hand corner of the label, all appearing on a black background, on its non-alcoholic cordials, syrups, and extracts; that the appellant company was incorporated in November 1933, and shortly thereafter acquired the property and good will of the D. J. Bielzoff Products Company; that shortly after the repeal of the Eighteenth Amendment, appellant commenced the manufacture and sale of the alcoholic beverages hereinbefore set forth; and that, on February 9, 1934, appellant changed its trade-mark by substituting the term "Red Horse" for the term "Incomparable" and omitting the initials "D. J. B." and, on that date, proceeded to use the mark so changed on its goods.

It further appears from the record that appellee, a British corporation, is the owner of the following trade-mark registrations: registration No. 101,072, dated November 10, 1914, of a trade-mark comprising a pictorial representation of a white horse, together with the words "White Horse Cellar", for use on Scotch whisky; registration No. 312,106, dated March 13, 1933, of a trade-mark comprising a pictorial representation of a white horse, appearing on a black background, together with the words "The White Horse", in white lettering, for use on whisky; registration No. 302,117, dated March 28, 1933, of the term "White Horse", for use on whisky; registration No. 310,140, dated February 13, 1934, issued on an application filed October 7, 1933, of a trade-mark comprising the pictorial representation of a black horse and the words "The Famed Black Horse fine Old Highland Malt Whisky", the words "fine Old Highland Malt Whisky" being disclaimed apart from the mark as shown. It further appears from the record that since the repeal of the Eighteenth Amendment, December 6, 1933, to the

time of the taking of the testimony for opposer in this case, May 1938, appellee has expended approximately $543,000 in advertising its product (advertised and known as "White Horse Scotch Whisky") and its white horse trade-mark, registration No. 101,072, throughout the United States in newspapers, periodicals, trade papers, menus, catalogues, wine lists, programs, posters, Christmas cards, window displays, and in distributing miniature white horses; that miniature white horses are attached to the neck of each bottle of appellee's "White Horse Scotch Whisky"; that Browne Vintners Company, Incorporated, importer and distributor of wines and liquors, imports and sells in the United States appellee's "White Horse Scotch Whisky"; that the Browne Vintners Company has advertised appellee's product to the extent and in the manner hereinbefore stated; that it has not advertised appellee's "Black Horse" whisky; and that it is not an uncommon practice in the liquor trade for a producer to market its products under closely related trademarks; such as, for example, Seagram's "Five Crown" and "Seven Crown", Hiram Walker's "King of Clubs", "Queen of Clubs", and "Jack of Clubs", and Gooderham & Worts' use of "Three Star" and "Five Star."

[1] There is no evidence of record relative to the use of appellee's trade-mark "Black Horse" in the United States, and, although counsel for appellant argue that it is not used in this country, it is sufficient to say that appellee's registration of the mark is prima facie evidence of ownership (section 16, Trade-Mark Act, 1905), and will be considered as presumptively valid in this proceeding. *Ely & Walker Dry Goods Co.* v. *Sears, Roebuck & Co.*, 24 C. C. P. A. (Patents) 1244, 1247, 90 F.(2d) 257, 485 O. G. 268.

The goods of the respective parties possess the same descriptive properties, and the sole issue presented by this appeal is whether the involved marks are confusingly similar.

It is argued by counsel for appellant that as the witnesses for appellee had no personal knowledge of any confusion in trade as a result of the concurrent use by the respective parties of their marks, such fact is a circumstance to be seriously considered in determining whether or not the involved marks are confusingly similar.

[2] The issue here is whether the involved marks so nearly resemble one another as "to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers" if used concurrently on the goods of the respective parties, and the failure to establish actual confusion in trade is not of vital importance. Section 5, Trade-Mark Act of 1905; *The Apex Electrical Manufacturing Co.* v. *Landers, Frary, and Clark*, 17 C. C. P. A. (Patents) 1184, 41 F.(2d) 99, 398 O. G. 708.

It is also argued here by counsel for appellant, as it is in many cases of this character, that even a child upon comparison would readily recognize the difference between the "White Horse" and "Red Horse" trade-marks.

We have repeatedly held that, in determining the question of confusing similarity, "side-by-side comparison" of trade-marks is not a proper test. The test rather is whether a "casual purchaser" would be likely to be confused by the concurrent use of the marks on the goods of the respective parties. Furthermore, the marks should not be dissected, but should be considered as a whole. See *Gilmore Oil Co., Ltd.*, v. *Wolverine-Empire Refining Co.*, 21 C. C. P. A. (Patents) 943, 69 F.(2d) 532, 445 O. G. 775.

[4] Of course, one served with a glass of "Red Horse" gin, cordial, liqueur, brandy, or rum would not likely believe that he was drinking a glass of "White Horse Scotch Whisky", but those familiar with "White Horse" or "Black Horse" Scotch whiskies might readily believe that "Red Horse" cordials, liqueurs, brandies, rums, cocktails, gins, and alcoholic bitters have the same origin, and that, as we understand it, is the argument made here by counsel for appellee. Furthermore, it appears from the record that appellee advertises "White Horse" cocktails, and it might well be that one served with a "Red Horse" cocktail (the ingredients of which are not shown in the record) would believe that it was a "White Horse" cocktail.

Cases are cited and relied upon by counsel for each of the parties in support of their contentions here presented. In view of the fact, however, that in this case, as in all cases of this character,

"the issues must be determined in accordance with the peculiar facts and circumstances of record",

those decisions are not determinative of the issues here. *Gilmore Oil Co., Ltd.*, v. *Wolverine-Empire Refining Co.*, supra. One of the cases relied upon by the Examiner of Interferences, and which was cited by counsel for appellee, is that of *American Fruit Growers, Inc.*, v. *Michigan Fruit Growers, Inc.*, 17 C. C. P. A. (Patents) 906, 38 F.(2d) 396, 393 O. G. 789. The issues in that case are somewhat analogous to the issues in the case at bar. We there held that a trade-mark—

"consisting of the word 'Michigander' and representations of two or three kinds of fruit enclosed within a double circle, together with an 'outline tracing of the lower peninsula of Michigan, and the representation of a *goose in white*' upon a black and white background, for use on fresh and canned fruits"

was confusingly similar with the trade-mark comprising—

"the words *'Blue Goose'* appearing immediately above the representation of a 'blue goose' enclosed within a double circle"

for use on fresh fruits and vegetables. [Italics not quoted.]

It would seem to be clear that if appellant is entitled to register its "Red Horse" trade-mark for use on its alcoholic beverages in view of appellee's "White Horse" and "Black Horse" trade-marks, other producers of alcoholic beverages might well argue that they were entitled to the registration of such trade-marks as "Brown Horse", "Gray Horse", "Sorrel Horse", "Bay Horse", and possibly other similar marks for use on such beverages.

That the use and registration of such marks on alcoholic beverages would destroy the value of appellee's registered marks, is so apparent as to require no discussion.

We have given careful consideration to all of the arguments advanced by counsel for appellant, but are unable to concur in the view that the tribunals of the Patent Office erred in holding that the concurrent use of the marks of the parties on their respective goods would be likely to cause confusion in the trade and to deceive purchasers.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,312,657, E. L. Wiegand, Emplacing process and apparatus; 1,398,410, same, Embedding process; 1,613,426, same, Process of producing electrical heating elements; 1,614,330, 1,614,331, same, Electrical heating element; 1,614,938, same, Electrical heating element of the strip type; 1,706,015, 1,706,017, same, Electric heating device; 1,809,089, same, Method of producing electrical heating elements, D. C., E. D. Pa., Doc. 8041, *E. L. Wiegand Co. et al.* v. *H. E. Trent Co. et al.* Judgment dismissing action Nov. 21, 1939.

1,398,410. (See 1,312,657.)

1,421,776, F. Hauptmeyer, Material for artificial internal members of the human body, D. C., S. D. N. Y., Doc. E 80/361, *F. Krupp et al.* v. *U. Nuzell.* Consent order of discontinuance (notice Nov. 20, 1939).

1,473,248, A. E. Norris, Hoisting device; 1,478,756, same, Cable winding apparatus; 1,486,845, A. M. Stanley, Automobile winch; 1,596,167, V. L. Farnsworth, Cable-winding apparatus, D. C., N. D. Okla. (Tulsa), Doc. 71, *Gar Wood Industries, Inc.*, v. *Braden Winch Co. et al.* Dismissed Nov. 21, 1939.

1,478,756. (See 1,473,248.) 1,486,845. (See 1,473,248.)

1,487,355, C. G. Overmyer, Drawer knob, D. C., S. D. Calif. (Los Angeles), Doc. E 1263–C, *G. F. Collins* v. *Technical Glass Co., Inc.* Dismissed without prejudice Oct. 21, 1939.

1,589,857, Katcher & Brudney, Die-casting machine, filed Nov. 27, 1939, D. C., N. D. Ohio, E. Div., Doc. 20091, *M. Katcher* v. *Precision Castings Co., Inc.*

1,596,167. (See 1,473,248.) 1,613,426. (See 1,312,657.)

1,614,330. (See 1,312,657.) 1,614,331. (See 1,312,657.)

1,614,938. (See 1,312,657.)

1,630,495, N. Marcalus, Box for paper dolls, appeal filed Aug. 11, 1939, C. C. A., 3d Cir., Doc. 7191, *Marcalus Mfg. Co., Inc., et al.* v. *Automatic Paper Machinery Co., Inc.*

1,640,188, J. F. Grunbock, Weather guard for hatchways, filed Nov. 25, 1939, D. C., E. D. N. Y., Doc. 715, *Seattle Tent & Awning Co.* v. *Marine Canvas Supply Corp.*

1,658,353. (See Re. 19,846.)

1,660,050. (See Re. 19,846.)

1,667,805, H. E. Ives, Transmission of pictures by electricity, included by amendment Nov. 15, 1939, in suit filed May 26, 1939, D. C., S. D. Calif., C. Div., Doc. 408–H, *Western Electric Co., Inc.*, v. *Glen Glenn Sound Co.*

1,678,775, J. H. Gravell, Storage and transportation of acid mixtures in steel drums, filed Nov. 24, 1939, D. C., N. D. Okla. (Tulsa), Doc. 284, *Halliburton Oil Well Cementing Co.* v. *Dowell, Inc.*

1,706,015. (See 1,312,657.) 1,706,017. (See 1,312,657.)

1,721,530, J. Schick, Shaving implement; 1,747,031, 1,757,978, same, Shaving machine, D. C., S. D. N. Y., Doc. E 86/75, *Schick Dry Shaver, Inc., et al.* v. *Sears, Roebuck & Co. et al.* Consent judgment for plaintiff (notice Nov. 20, 1939).

1,731,967, L. J. Antonsen, Paper excelsior machine, D. C., S. D. Calif., C. Div., Doc. E 975–H, *L. J. Antonsen et al.* v. *Angelus Paper & Excelsior Products Co.* Patent held valid and infringed; injunction Nov. 22, 1939.

1,734,693. (See Re. 20,383.)

1,738,172, C. C. Davis et al., Radio receiving apparatus, filed Nov. 27, 1939, D. C., S. D. N. Y., Doc. 6/392, *R. V. Judson* v. *Ansley Radio Corp. et al.*

1,747,031. (See 1,721,530.) 1,757,978. (See 1,721,530.)

1,762,456. (See Re. 20,383.)

1,783,864, C. W. Vogt, Apparatus and process for treating materials; 1,783,867, same, Machine for processing materials; 1,972,253, same, Process and apparatus for preparing and packing food products; 1,881,106, Vogt & Wymond, Can filler, C. C. A., 3d Cir., Doc. 6936, *Girdler Corp. et al.* v. *Abbotts Dairies, Inc.* Decree affirmed Nov. 22, 1939.

1,783,867. (See 1,783,864.)

1,793,846, V. Durbin, Hospital plug connections, appeal filed Nov. 8, 1939, C. C. A., 1st Cir., Doc. 3536, *The Holtzer-Cabot Electric Co.* v. *The Standard Electric Time Co.*

1,809,089. (See 1,312,657.)

1,812,994, E. A. Sperry, Bore-hole inclination recorder; 1,959,141, E. A. Sperry, Jr., Bore-hole position indicator, D. C., S. D. Calif. (Los Angeles), Doc. 23 Y, *Sperry Gyroscope Co., Inc., et al.* v. *K. Lutschg.* Dismissed with prejudice for non-infringement Nov. 21, 1939.

1,850,859, F. N. Woodman, Spiral conveyor belt, D. C., E. D. Pa., Doc. 10123, *Wickwire Spencer Sales Corp.* v. *Audubon Wire Cloth Corp.* Consent decree granting injunction Nov. 20, 1939.

1,881,106. (See 1,783,864.)

1,883,403. (See Re. 19,846.)

1,886,577, A. Ousdahl, Coal burning apparatus, C. C. A., 3d Cir., Doc. 7032, *W. T. Gardiner et al.* v. *Freed Heater & Mfg. Co.* Decree affirmed Nov. 21, 1939.

1,944,932, Gemeny & Weller, Elevator bucket, appeal filed Nov. 20, 1939, C. C. A., 8th Cir., Doc. 11632, *The Strong-Scott Mfg. Co. et al.* v. *B. I. Weller et al.*

1,959,141. (See 1,812,994.)

1,960,436, L. Finn, Seating equipment for booths, D. C., W. D. N. Y., Doc. 2278, *W. J. Finn* v. *Elmira Store Fixture Corp. et al.* Dismissed for lack of prosecution without prejudice Nov. 14, 1939.

1,972,253. (See 1,783,864.)

2,137,744, J. A. Streun, Roll dumping device for cotton gins, filed Nov. 23, 1939, D. C., E. D. Tex. (Sherman), Doc. 39, *Hardwicke-Etter Co.* v. *C. L. Traylor.*

2,169,146, C. Iverson, Vulcanizing mold and other presses, filed Nov. 25, 1939, D. C., N. D. Ohio, E. Div., Doc. 20089, *National Rubber Machinery Co.* v. *The McNeil Machine & Engineering Co.*

Re. 19,463. (See Re. 20,383.)

Re. 19,846, Ronning & Ronning, Combination tractor grader; 1,658,353, same, Combination traction implement; 1,660,050, same, Road grader; 1,883,403, same, Road machine, filed Nov. 24, 1939, D. C., S. D. Ill., N. Div., Doc. 64–P, *Ronning Machinery Co. et al.* v. *Caterpillar Tractor Co.*

Re. 20,339, D. H. Hill, Cleaner for oil burners, filed Oct. 11, 1939, D. C., S. D. Ill., E. Div., Doc. 17–Q, *Globe American Corp.* v. *Brower Mfg. Co. et al.*

Re. 20,383 (of 1,734,693), K. Ripper, Film forming compositions and process for manufacturing same; Re 19,463 (of 1,762,456), same, Making condensation products of urea and aldehyde, D. C., E. D. Mich. (Detroit) Doc. 1364, *American Cyanamid Co.* v. *Reichhold Chemicals, Inc.* Consent decree Nov. 21, 1939.

Des. 78,500, R. L. Barton, Combined wash board and laundry tray, D. C., S. D. Calif. (Los Angeles), Doc. 378–H, *R. L. Barton et al.* v. *R. C. Troeger et al.* Dismissed with prejudice Nov. 21, 1939.

Des. 108,161, W. Ross, Textile fabric, D. C., S. D. N. Y., Doc. 2/35, *W. Ross et al.* v. *Traub-Lyons, Inc., et al.* Consent order of discontinuance (notice Nov. 17, 1939).

Des. 108,687, P. Schlessel, Dress, D. C., S. D. N. Y., Doc. E 86/367, *New York Dress & Costume Co., Inc.*, v. *Elect Dress Co., Inc., et al.* Consent order of discontinuance (notice Nov. 14, 1939).

Des. 109,837, M. Sobelman, Dress, D. C., S. D. N. Y., Doc. E 87/83, *Mary Muffet, Inc.*, v. *Dandy Dress, Inc.* Consent judgment for plaintiff (notice Nov. 15, 1939).

Des. 112,129, E. F. Pohl, Steam-electric pressing iron, D. C., E. D. Wis. (Milwaukee), Doc. 54, *Steam-Electric Corp.* v. *The Herzfeld-Phillipson Co. et al.* Amended complaint dismissed for want of jurisdiction Nov. 24, 1939.

Des. 117,135, M. Verrand, Dress, filed Nov. 21, 1939, D. C., S. D. N. Y., Doc. 6/362, *Neufeld-Furst & Co., Inc.*, v. *Epstein Garment Co., Inc.*

Des. 117,431, H. D. Kaufmann, Textile fabric, filed Nov. 24, 1939, D. C., S. D. N. Y., Doc. 6/386, *J. B. Hoffman* v. *Joroco Silk Corp.*

Des. 117,649, H. Lentini, Dress, filed Nov. 21, 1939, D. C., S. D. N. Y., Doc. 6/360, *Jack Caplan, Inc.*, v. *Blue Bell Frocks, Inc., et al.*

Disclaimers

1,628,279.—*Maximilian Paul Schmidt* and *Wilhelm Krieger*, Biebrich-on-the-Rhine, Germany. SENSITIVE LAYER ON A SUITABLE BASE AND PROCESS OF MAKING SAME. Patent dated May 10, 1927. Disclaimer filed February 3, 1940, by the assignee, *Kalle & Co. Aktiengesellschaft.*

Hereby disclaims claims 3, 5, 6, and 8 of said Letters Patent,

The comma and words ", aminofluorene, aminodiphenyleneoxide", appearing on page 1, lines 69 and 70 of said Letters Patent, and

From the scope of claims 1, 2, 4, and 7 of said Letters Patent, those diazo compounds being formed from amino compounds containing at least one other amino group which compounds may not be regarded as diazo anhydrides in a broad sense and which compounds may not be presumed to have been produced from diazonium compounds with elimination of water.

1,843,655.—*Gustave A. Ungar*, Pelham Manor, N. Y. CUTTING SHEAR. Patent dated February 2, 1932. Disclaimer filed February 2, 1940, by the assignee, *The Stanley Works.*

Hereby enters this disclaimer as to claims 7 and 8 of said patent without disclaiming the inventions thereof.

1,969,801.—*Emil Klarmann*, Jersey City, N. J. HYDROCARBON SUBSTITUTED BROMOPHENOL. Patent dated August 14, 1934. Disclaimer filed February 3, 1940, by the assignee, *Lehn & Fink Products Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, and 5 of said Letters Patent.

1,999,134.—*Vernon R. Pallas*, Cortland, N. Y. HEAT TREATED OILED FILAMENT. Patent dated April 23, 1935. Disclaimer filed January 29, 1940, by the patentee.

Hereby enters this disclaimer as follows:

(*a*) To those parts of the specification in the following words: "also textile products" (p. 1, col. 1, lines 6–7); "paper" (p. 1, col. 1, line 7); "and fabrics" (p. 1, col. 1, line 12); "textiles" (p. 1, col. 1, line 37); "fabrics," (p. 1, col. 1, lines 42–43); "or fabric goods" (p. 2, col. 2, line 37); "or fabric" (p. 2, col. 2, line 61); "Said process is also admirably suited for the treatment of cloth or other woven goods of suitable texture which may similarly be impregnated and baked to make up table covers, window shades, raincoats, umbrella covers and the like moderately waterproofed sheet materials." (p. 3, col. 1, lines 8–13.)

(*b*) To that part of the specification in the following words: "one or" (p. 1, col. 2, line 54).

(*c*) To claims 1 and 8;

(*d*) To all processes described in claims 2, 3, 4, and 5 and each of them except processes in which the impregnated, baked and coated line is subjected to the said further baking for a period of at least one hour.

(*e*) To all processes described in claim 10 except processes in which the last of the said series of drying oil coatings applied to the line is subjected to baking as described for a period of at least one hour.

2,013,756.—*Milton Kalischer*, Springfield, Mass. AIR CONDITIONING APPARATUS. Patent dated September 10, 1935. Disclaimer filed February 7, 1940, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 3, 5, 6, 22, 23, and 26 in said specification.

2,104,030.—*Maurus T. Goetz*, Chicago, Ill. TAPE CONTROLLED APPARATUS. Patent dated January 4, 1938. Disclaimer filed February 1, 1940, by the inventor, the assignee, *Teletypesetter Corporation*, consenting.

Hereby enters this disclaimer to the invention set forth in claim 27 of said Letters Patent.

2,170,085.—*Carl Lengyel*, Buffalo, N. Y. INSULATING COVERING FOR HOT AIR FURNACES. Patent dated August 22, 1939. Disclaimer filed February 12, 1940, by the patentee.

Hereby enters this disclaimer to the inventions claimed in claims 2, 3, and 8, and that said Letters Patent be read as though claims 2, 3, and 8 were not a part thereof.

2,177,094.—*Leslie F. Carter*, Leonia, N. J., and *Mortimer F. Bates*, Brooklyn, N. Y. GYRO SEXTANT. Patent dated October 24, 1939. Disclaimer filed February 1, 1940, by the assignee, *Sperry Gyroscope Company, Inc.*

Hereby enters this disclaimer to claim 1 in said specification.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING JANUARY, 1940

RENDERED DURING JANUARY, 1940

THE SEVEN-UP COMPANY *v.* GERALD G. BALCH, Opposition No. 17,657.

In a decision rendered January 12, 1940 (163 Ms. Dec. 426, 44 U. S. P. Q. 171), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining an opposition filed by The Seven-Up Company, of St. Louis, Mo., to the registration of a trade-mark for "non-alcoholic beverages" applied for by Gerald G. Balch, of Pittsburgh, Pa.

The Assistant Commissioner observed that applicant's mark is the notation "Lemon-Up" displayed in reverse printing against a solid background, the word "Lemon" being disclaimed, and that opposer pleaded and proved ownership of the trade-marks "Seven-Up" and "7 Up", registered, prior to any date claimed by applicant, for use on merchandise substantially the same as that with which applicant's mark is used. He then said:

"The only question to be determined is whether or not applicant's mark is confusingly similar to either of opposer's marks. As no testimony was taken, this involves merely a comparison of the marks, and a consideration of the goods as described. It is a matter of common knowledge that such goods are inexpensive and are consumed in use. Also they are frequently ordered by word of mouth, in which event similarity in sound of the marks under which they are sold may be of controlling importance.

"The expressions 'Seven Up' and 'Lemon-Up' do not convey the same meaning, and the two marks differ considerably in appearance. In sound, however, I think they are too nearly alike to be concurrently used on merchandise of this character without a reasonable likelihood of confusion."

BOURJOIS, INC., *v.* FEMITECT COMPANY, Opposition No. 17,825.

In a decision rendered January 18, 1940 (163 Ms. Dec. 428, 44 U. S. P. Q. 169), *Assistant Commissioner Frazer* sustained the opposition of Bourjois, Inc., New York, N. Y., to the application of Femitect Company, of Pittsburgh, Pa., for registration of the notation "Femitect" as a trade-mark for "preparations for feminine hygiene and a deodorant", for which mark applicant claimed use since January 15, 1938.

The Assistant Commissioner noted that the opposition was predicated upon opposer's ownership of the trade-mark "Femina", registered April 30, 1918, and renewed, for "face-powder, toilet waters, rouge, lipsticks, perfumes, eyebrow-pencils, and pomades", and that in part, at least, opposer's goods and those of the applicant possess the same descriptive properties, so that the only question to be determined was whether or not the marks of the parties are so nearly similar as to be likely to cause confusion. He then said:

"While conceding that the 'validity of opposer's trademark is, of course, not here in issue', applicant nevertheless argues that opposer's mark is thus descriptive of its goods. Be that as it may, the point is of no avail to applicant in this proceeding, because as stated by the Court of Customs and Patent Appeals in *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed. (2d) 752:

"'In a proceeding of this character, the Patent Office and this court must regard a registered trade-mark as valid, and if the mark of the applicant is so similar to the registered mark as to be likely to lead to confusion, the fact that the registered mark or a portion of it may be descriptive in character affords no justification for disregarding the similarity in passing upon the right to register.'

"Applying this rule to the instant case, and resolving doubts against the newcomer, it is my opinion that confusion may result from the concurrent use of the two marks before me. This being true, applicant's mark should not be registered."

EX PARTE KRAFT-PHENIX CHEESE CORPORATION, Serial No. 413,718.

In a decision rendered January 24, 1940 (163 Ms. Dec. 429, 44 U. S. P. Q. 218), *Assistant Commissioner Frazer* held that Kraft-Phenix Cheese Corporation, of Chicago, Ill., is not entitled to register the word "Chantelle" under the act of February 20, 1905, as a trade-mark for cheese, the ground of refusal being that the mark is merely a geographical name.

Observing that the Examiner had stated that according to Lippincott's Gazetteer "Chantelle" is the name of a town in France with a population of two thousand, and that he "is unable to find any other meaning for the word", and noting that applicant pointed to several recent Patent Office decisions to the effect that the statutory prohibition against registration of "merely a geographical name or term" is inapplicable unless such name or term has a generally accepted geographical significance and argued that "Chantelle" should thus be held registrable because its meaning is perhaps not widely known, the Assistant Commissioner said:

"As was stated by the Court of Appeals of the District of Columbia in the case of *In re Crescent Typewriter Supply Co.*, 30 App. D. C. 324, the 'provision of the statute is broad enough to prohibit the use of any word that has an exclusive geographical significance;' and in such cases there would seem to be no room for exception. If a word has no other meaning it is necessarily 'merely' geographical, regardless of the extent to which it is known."

NATHAN DROSSNER *v.* LEONARD JONES, Opposition No. 17,820.

In a decision rendered January 24, 1940 (163 Ms. Dec. 430, 44 U. S. P. Q. 219), *Assistant Commissioner Frazer* dismissed the opposition of Nathan Drossner, of Philadelphia, Pa., to the application of Leonard Jones, of Los Angeles, Calif., for registration of a trade-mark.

The Assistant Commissioner pointed out that the mark sought to be registered is dominated by the words "Batter Up", in association with the picture of a baseball player in the act of swinging a bat,

that those same features make up the trade-mark relied on by opposer, which was registered prior to applicant's claimed date of first use, and that the only question for determination was the correctness of the Examiner's ruling that the goods of the parties to which their marks are respectively applied possess the same descriptive properties within the meaning of the Trade-Mark Act.

Observing that applicant's goods are described in the application as "fresh citrus and deciduous fruits, fresh vegetables, and melons", that opposer's mark is registered for "soft drinks", and that it appears from opposer's testimony that the particular product to which his registered mark is applied is a lithiated drink flavored with oil of lemon, the Assistant Commissioner distinguished this case from the case of *John Aquino, Inc.*, v. *Fruit Industries, Ltd.*, 159 Ms. Dec. 5, 16 U. S. P. Q. 161, cited by the Examiner, and said:

"I am clearly of the opinion that the goods here involved are of different descriptive properties. Applicant's fresh fruits and vegetables are foods, while opposer's soft drink is primarily a thirst quencher without food value. The situation is not unlike that considered by the Court of Customs and Patent Appeals in the very recent case of *Kraft-Phenix Cheese Corporation* v. *Consolidated Beverages, Ltd.*, 44 U. S. P. Q. 41, where, in holding that cheese-coated popcorn and soft drinks do not possess the same descriptive properties, the court said:

"'It is commonly known that soft drinks have for their main purpose the quenching of thirst and, even though they may be flavored, ordinarily are never considered as a food. Popcorn is derived from corn and is certainly a food. Cheese is made from milk and likewise is a nutritious food product'."

C. E. LANGFIELD *v.* SOLVENTOL CHEMICAL PRODUCTS, INC., Opposition No. 17,612.

In a decision rendered January 30, 1940 (163 Ms. Dec. 432, 44 U. S. P. Q. 261), *Assistant Commissioner Frazer* affirmed the decision of the Examiner of Interferences sustaining the opposition of C. E. Langfield, of Northville, Mich., to the application of Solventol Chemical Products, Inc., of Detroit, Mich., for registration of the notation "Solventol" as a trade-mark for "water soluble detergent cleaning compounds for use in household and industrial cleaning."

He noted that the opposition was predicated upon opposer's ownership of the trade-mark "Solvite", registered for "a dry cleaning soap", and that priority was not contested by applicant.

As to the similarity of the goods of the parties, the Assistant Commissioner said:

"While it is true that applicant's goods and those of opposer differ widely in many respects, clearly they belong to the same class of merchandise and possess the same descriptive properties. Certainly they are as closely related as were the goods involved in the case of *Langfield* v. *Solvit-All Corporation*, 18 C. C. P. A. 1313, 49 Fed.(2d) 480, where the Court of Customs and Patent Appeals sustained the opposition of the present opposer to registration of the trade-mark 'Solvit-All' for 'sanitary solvents for cleaning, disinfecting, and deodorizing toilet bowls and similar articles;' opposer's mark and goods being the same as those upon which he here relies."

He then quoted from the court's decision in the cited case, as follows:

"It is true that the goods of the parties do not possess, entirely, the same essential characteristics. Nevertheless, the purposes for which they are used are of the same general nature and are closely associated and related. They are both used for cleaning purposes by the general public, are sold in the same stores, and, although a purchaser would not confuse the two products, confusion as to their origin would probably result should the parties use their trade-marks concurrently."

As to the similarity of the marks, and with reference to the cited case, he said:

"All the court had to say regarding the marks was that their confusing similarity 'is evident and requires no discussion.' If 'Solvit-All' and 'Solvite' are confusingly similar, so, in my opinion, are 'Solventol' and 'Solvite.' 'Solventol' and 'Solvit-All' differ somewhat in appearance, but in sound they are substantially identical."

In answer to applicant's contention that there was no showing of actual confusion, he quoted from the decision of the Court of Customs and Patent Appeals in *Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 Fed.(2d) 906, as follows:

"While actual confusion is an important consideration, where proved, the issue of confusing similarity and the likelihood of resulting confusion may always be determined without resorting to any evidence of actual confusion."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 27, 1940

[VOL. 511. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 411,180. REICHHOLD CHEMICALS INC., formerly Beck, Koller & Company, Inc., Detroit and Ferndale Station, Detroit, Mich. Filed Oct. 1, 1938.



No claim is made to the words "World Wide Distribution" apart from the mark.

For Resins, Particularly Synthetic Resins and Processed Natural Resins, and Resin Solutions, Particularly Plastic Resin Solutions.

Claims use since Sept. 16, 1937.

Ser. No. 422,975. REICHHOLD CHEMICALS, INC., Detroit and Ferndale Station, Detroit, Mich. Filed Aug. 22, 1939.



No claim is made to the words "World Wide Distribution" apart from the mark.

For Resins, Particularly, Synthetic Resins and Processed Natural Resins; Resin Solutions, Particularly Plastic Resin Solutions.

Claims use since June 20, 1939.

Ser. No. 425,029. F. S. MARTIN, doing business as F. S. Martin & Company, Chicago, Ill. Filed Oct. 28, 1939.



The words "Brazil Block" are disclaimed apart from the mark.

For Coal.

Claims use since Oct. 19, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 426,845. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 22, 1939.

Commander

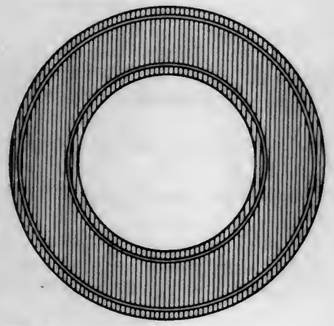
For Billfolds.

Claims use since July 18, 1938.

CLASS 4

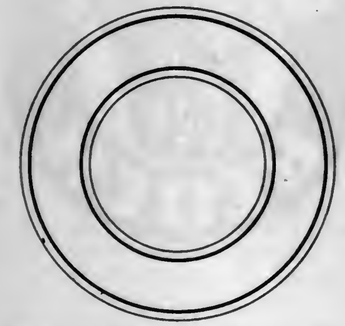
Abrasive, Detergent, and Polishing Materials

Ser. No. 410,637. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Sept. 16, 1938.



The band is colored red.
For Sal Soda and Washing Soda for Use as a Detergent, Cleaning, and Washing Agent.
Claims use since 1869.

Ser. No. 410,638. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Sept. 16, 1938.



The mark consists of an annular band regardless of color.
For Sal Soda and Washing Soda for Use as a Detergent, Cleaning, and Washing Agent.
Claims use since 1869.

Ser. No. 410,639. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Sept. 16, 1938.



For Sal Soda and Washing Soda for Use as a Detergent, Cleaning, and Washing Agent.
Claims use since 1874.

Ser. No. 410,640. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Sept. 16, 1938.

ARM & HAMMER

For Sal Soda and Washing Soda for Use as a Detergent, Cleaning, and Washing Agent.
Claims use since 1874.

Ser. No. 419,880. SHULTON, INC., New York, N. Y. Filed May 26, 1939.



For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing, and Cleaning Purposes; Laundry Soaps, Soap Flakes, Hand Soaps, Toilet Soaps, Soap Pastes, Washing Tablets, Bath Tablets, and Shampoo Soaps.
Claims use since Feb. 15, 1934.

Ser. No. 422,921. CHARLES M. ALBION, doing business as Albion & Sons, Cambridge, Mass. Filed Aug. 24, 1939.

ALBIONITE

For Compounds for Cleaning Automobile Bodies and Similar Articles.
Claims use since May 18, 1939.

Ser. No. 423,567. KEEL & COMPANY, INC., Philadelphia, Pa. Filed Sept. 13, 1939.

"WITE-NU"

For White Side-Wall Tire Cleaner and Dresser.
Claims use since Jan. 9, 1938.

Ser. No. 425,292. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Nov. 6, 1939. Under the act of February 20, 1905, as amended June 10, 1938.

NATIONAL CO-OP CO-OPERATIVES

For Emery Cloth, Emery Wheels, Sand Paper, Steel Wool, Abrasive Polish, Abrasive Powders, Laundry, Toilet and Medicated Soaps, Sweeping Compound, Belt Dressing, Stove Blackening, Stove Enamel, Stove-Pipe Enamel, Shoe Polish, Leather Dressing, Preparation for Waterproofing Leather, Chemically Treated Polishing Mittens, Prepared Polishing Cloths, Buffing Wheels, Glass Cleaner, Clothes Cleaners, Floor Sweeping Compounds, Washing Powder, Shaving Soap, Soap Chips, Grindstones, Pumice Stone, Hones, Oil Stones, Metal Cleaner and Polish, Razor Strops, Scouring Soap, Road Tar Remover, Brake Dressing, Top Dressing, and Valve Grinding Compound.
Claims use since December, 1929.

Ser. No. 425,614. MILLER P. GRIFFIN, doing business as General Devices Company, Paterson, N. J. Filed Nov. 14, 1939.

FLEXSTONE

For Abrasive Implements for General Use and Each Composed of a Flexible Body and Grit Particles Superficially Adhering to Such Body.
Claims use since October, 1931.

Ser. No. 426,287. THE CLIMALENE COMPANY, Canton, Ohio. Filed Dec. 6, 1939.

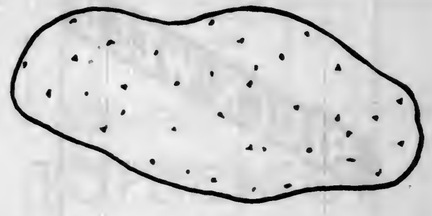
Savex

For Washing Powder.
Claims use since Oct. 1, 1913.

CLASS 5

Adhesives

Ser. No. 426,060. I. F. LAUCKS, INC., Seattle, Wash. Filed Nov. 29, 1939.



Trade-mark consists of a scattered scale-like particle of mineral origin, such as vermiculite, intermixed in the glue. Applicant disclaims the representation of the drop of glue.
For Glues.
Claims use since June 15, 1928.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 413,695. ANABOLIC FOOD PRODUCTS, INC., Chicago, Ill. Filed Dec. 12, 1938.

LANAX

For Laxative Food Product, Containing Concentrated Dried Vegetable Substances, Usually Sold in Capsule Form.
Claims use since Dec. 1, 1938.

Ser. No. 416,424. DAVID H. KAHN, New York, N. Y. Filed Feb. 25, 1939.

Millicent

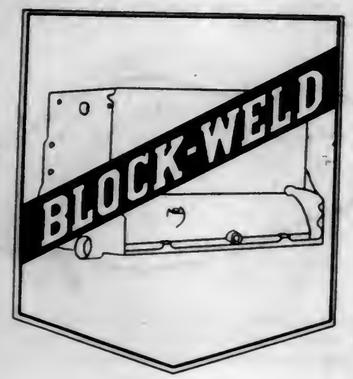
For Cosmetics, Particularly Cleansing Cream, Foundation Cream, Astringent Lotion, Lipstick.
Claims use since Jan. 31, 1939.

Ser. No. 418,161. FRANK D. MCBRIDE, doing business as American Solder & Flux Co., Philadelphia, Pa. Filed Apr. 12, 1939.

SAL BRICK

No claim is made to the word "Brick" except as shown.
For Soldering Flux.
Claims use since January, 1923.

Ser. No. 420,648. HOBB SWETNAM COMPANY, Wichita Falls, Tex. Filed June 17, 1939.



For Preparations or Compounds and Solutions for Mending and Repairing Motors and Motor Parts, Cylinder Heads, Valve Ports, Water Jackets, and Other Metal Devices.
Claims use since May 1, 1938.

Ser. No. 420,650. HOBB SWETNAM COMPANY, Wichita Falls, Tex. Filed June 17, 1939.



No claim is made for the words "Another Scientific Product" apart from the mark.
For Radiator Flushing Compound, Radiator Flush Neutralizer, Anti-Leak Compound for Radiators, Anti-Leak Compound for Engine Cylinder Blocks and the Like, and Hydraulic Brake Fluid.
Claims use since Oct. 1, 1934.

Ser. No. 420,652. HOBB SWETNAM COMPANY, Wichita Falls, Tex. Filed June 17, 1939.

WELD-A-LEAK

For Preparations, Compounds, or Solutions for the Purpose of Mending or Repairing Motors and Motor Parts, Radiators, and Cylinders.
Claims use since Oct. 1, 1934.

Ser. No. 422,675. SHARP & SHEARER, INC., Reading, Pa. Filed Aug. 16, 1939.



The drawing is lined for blue.
For Cough Drops.
Claims use since Aug. 7, 1939.

Ser. No. 423,117. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Aug. 29, 1939.

RIBOTHIRON

For Preparations Used in the Treatment of Metabolic Deficiencies, Including Preparations Containing Iron and Vitamins Either Separately or Jointly and for Tonics, for Internal Use.
Claims use since Aug. 23, 1939.

Ser. No. 423,710. THE PROMAT COMPANY, Chicago, Ill. Filed Sept. 18, 1939.

PRO MAT

For Chemical Materials and Compositions for Coating Metal Surfaces for Rust-Proofing and Analogous Purposes.
Claims use since Aug. 2, 1939.

Ser. No. 424,094. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Sept. 30, 1939.

GELSEALS

For Elastic Capsule Covered With a Gelatin Coating Containing a Combination of Vitamins A, B_1, B_2, C, and D To Be Used for Medicinal Purposes.
Claims use since Sept. 6, 1939.

Ser. No. 424,741. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 20, 1939.

RIONA

For Preparations Having Vaso-Constricting, Having Sedative, Having Analgesic, and Having Anti-Pyretic Properties, and Possessing All or Any of Said Properties, Including Preparations for the Relief of Neurodynia, and for the Treatment of Neuralgic Conditions, Headaches, Dysmenorrhea, Rhinitis, Colds, Tooth and Mouth Washes, and Preparations Containing Phenyl-Propanol-Amine, or Phenyl-Propanol-Amine Hydrochloride, or Acetophenetidin, or Acetylsalicylic Acid, or Containing Combinations of Any of These or Any of Their Physiologically Active Equivalents and Preparations for the Treatment of Conditions

for Which Said Chemicals or Any Combination of Them or Their Physiologically Active Equivalents Are Applicable.
Claims use since Oct. 11, 1939.

Ser. No. 425,047. MEYER B. EPSTEIN, doing business as United Chemical Co., Philadelphia, Pa. Filed Oct. 30, 1939.

BREATHE-O

For Cosmetics Such as Skin Lotion and Nose Drops.
Claims use since September, 1937.

Ser. No. 425,830. THE DARCO CORPORATION, Canton, Ohio. Filed Nov. 20, 1939.

DAROLENE

For Boiler Compound, Radiator Compound, and Water Softener.
Claims use since Mar. 8, 1939.

Ser. No. 426,014. WILLIAM J. SCHERER, doing business as The Scherer Drug Company, Rochester, N. Y. Filed Nov. 27, 1939.

K-T-I

Knox The Itch

No claim is made to the words "Knox The Itch."
For Soothing Cooling Lotion for the Relief of Skin Irritations.
Claims use since May 17, 1924.

Ser. No. 426,033. PARFUMS CHARBERT, INC., New York, N. Y. Filed Nov. 28, 1939.

"Gentlemen Prefer Bronze"

Applicant disclaims the word "Bronze" apart from the mark.
For Sun-Tan Oil.
Claims use since Nov. 17, 1939.

Ser. No. 426,042. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Nov. 28, 1939.

ALULOTION

For Colloidal Suspension of Aluminum Hydroxide in Combination with Other Medicinal Substances for Treating Infectious Diseases of the Skin.
Claims use since Nov. 14, 1939.

Ser. No. 426,049. AYERST, MCKENNA & HARRISON (UNITED STATES), LIMITED, Rouses Point, N. Y. Filed Nov. 29, 1939.

FLAVOGEL

For Antiseptic Dressing.
Claims use since Nov. 8, 1939.

Ser. No. 426,180. ANGETEE BROOKS, Memphis, Tenn. Filed Dec. 4, 1939.

Brooksine Special

The term "Special" is disclaimed apart from the mark.
For Hair Preparations.
Claims use since Feb. 1, 1939.

Ser. No. 426,347. SCHERING CORPORATION, Bloomfield, N. J. Filed Dec. 7, 1939.

TOPLICATOR

For Individual Containers Made of "Pliofilm" or Other Suitable Material Containing Individual Measured Doses of Medicinal Hormone Preparations Recommended for the Treatment of Glandular Deficiencies.
Claims use since Nov. 24, 1939.

Ser. No. 426,399. DELETTREZ, INC., Long Island City, N. Y. Filed Dec. 9, 1939.

RACING RED

Applicant disclaims the word "Red" apart from the mark.
For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouge, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After-Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lipsticks, Lipstick Removers, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powder, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Nov. 20. 1939.

Ser. No. 426,444. NATHAN S. GADOL, Philadelphia, Pa. Filed Dec. 11, 1939.



No claim is made to the image of the mortar and pestle apart from the mark.
For Preparation Containing Sodium Bicarbonate, Sodium Salicylate, and Caffein Alkaloid, for the Relief of Pain Due to Muscular Aches and Pains of a Minor Nature.
Claims use since Nov. 15, 1939.

Ser. No. 426,485. CROSBY NAVAL STORES, INCORPORATED, Picayune, Miss. Filed Dec. 12, 1939.

SOLTENE

For Terpene Hydrocarbon Solvent.
Claims use since Mar. 17, 1939.

Ser. No. 426,546. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Dec. 13, 1939.

TAROVIL

For Preparation for the Treatment of Anemias.
Claims use since Oct. 31, 1939.

Ser. No. 426,624. LONZA ELEKTRIZITÄTSWERKE & CHEMISCHE FABRIKEN AKTIENGESELLSCHAFT, Gampel, Switzerland. Filed Dec. 15, 1939.



For Preparations for Destroying Snails and Molluska.
Claims use since July, 1937.

Ser. No. 426,640. HENRIETTA E. BOYCE, Glen Rock, N. J. Filed Dec. 16, 1939.

Rapitan

For Sunburn Lotions, Complexion Creams, and Skin Lotions.
Claims use since Dec. 9, 1939.

Ser. No. 426,728. FRANCES DENNEY, Philadelphia, Pa. Filed Dec. 19, 1939.

NIGHT-TONE

For Toilet Preparations—Namely, Lotions, Creams, Face Powder, Lipstick, and Rouge.
Claims use since Nov. 27, 1939.

Ser. No. 426,844. MARY WOODARD REINHARDT AND MARY H. MCSWEENEY, New York, N. Y. Filed Dec. 22, 1939.

SCREEN STAR

For Dentifrice.
Claims use since Aug. 4, 1938.

Ser. No. 426,981. THE JOHNSON-MARCH CORPORATION, New York, N. Y. Filed Dec. 29, 1939.

COALADD

For Composition for Dustproofing Coal.
Claims use since Dec. 15, 1939.

Ser. No. 426,982. THE JOHNSON-MARCH CORPORATION, New York, N. Y. Filed Dec. 29, 1939.



For Composition for Dustproofing Coal.
Claims use since Dec. 15, 1939.

Ser. No. 427,090. THE SODIPHENE COMPANY, Kansas City, Mo. Filed Jan. 2, 1940.

Sodiphene

For Antiseptic Germicide.
Claims use since Nov. 11, 1922.

Ser. No. 427,115. ANTONIO YUMET MARIN, doing business as The Juvenilina Co., Ponce, P. R. Filed Jan. 3, 1940.



No claim is made to the representation of the map of Puerto Rico or to any wording except "Antillano Gran Mariscal, The Juvenilina Co." The portrait is fanciful.
For Bay Rum.
Claims use since August, 1936.

Ser. No. 427,138. THE HANDIGAS COMPANY OF OHIO, Lebanon, Ohio. Filed Jan. 4, 1940.

Handigas

For Compressed Natural Gas Sold to the Trade as Such for Fuel and Illuminating Purposes.
Claims use since Nov. 1, 1939.

Ser. No. 427,435. LABORATOIRES G. REAUBOURG, SOCIÉTÉ ANONYME, Boulogne, France. Filed Jan. 13, 1940.

PASSIORINE

For Liquid Product Used for the Treatment of Nervous Affections and Diseases and for Insomnia.
Claims use since July 26, 1929.

Ser. No. 427,503. COTY, INC., New York, N. Y. Filed Jan. 16, 1940.

BODY-WINE

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Jan. 11, 1940.

Ser. No. 427,569. ELIZABETH ARDEN, INC., New York, N. Y. Filed Jan. 18, 1940.

TELECAST

For Lipsticks, Rouges, and Nail Polishes, Toilet Cream.
Claims use since Jan. 13, 1940.

Ser. No. 427,590. NYAL COMPANY, Detroit, Mich. Filed Jan. 18, 1940.

RAVISH

For Perfume.
Claims use since Jan. 11, 1940.

Ser. No. 427,591. NYAL COMPANY, Detroit, Mich. Filed Jan. 18, 1940.

INNUENDO

For Perfume.
Claims use since Jan. 11, 1940.

Ser. No. 427,592. NYAL COMPANY, Detroit, Mich. Filed Jan. 18, 1940.

INTIMACY

For Perfume.
Claims use since Jan. 11, 1940.

Ser. No. 427,605. DONALD WHETSTONE, doing business as D. M. Whetstone Co., Marietta, Ohio. Filed Jan. 18, 1940.

DON'S

For Medicinal Preparation Used in the Treatment of Cuts, Burns, and Corns.
Claims use since Jan. 4, 1940.

Ser. No. 427,636. MERCK & CO., INC., Rahway, N. J. Filed Jan. 19, 1940.

HEXABIONE

For Therapeutic Preparations for the Treatment of Pellagra.
Claims use since Jan. 11, 1940.

Ser. No. 427,680. LUDWIG SCHERK, INC., New York, N. Y. Filed Jan. 20, 1940.

renaissance

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, Colognes, and Toilet Waters.
Claims use since 1921.

CLASS 10

Fertilizers

Ser. No. 399,637. TENNESSEE CORPORATION, New York, N. Y. Filed Nov. 9, 1937.

TC

For Fertilizers of Various Mixtures.
Claims use since January, 1933.

Ser. No. 425,900. NUTRITION RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Nov. 22, 1939.

ZOOM B-1

No claim is made to the character "B-1" apart from the mark.
For Concentrated Vitamin B_1, and Particularly for a Chemical Plant Growth Stimulant Containing Vitamin B_1.
Claims use since Nov. 1, 1939.

Ser. No. 426,839. ROBERT C. LONG, doing business as Coast Agricultural Fertilizer Company, Pasadena, Calif. Filed Dec. 22, 1939.

Bet-er Grow

For Plant Fertilizer.
Claims use since Apr. 1, 1939.

CLASS 11

Inks and Inking Materials

Ser. No. 426,976. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed Dec. 29, 1939.

LITHALUM

For Printing Ink.
Claims use since June 29, 1939.

CLASS 12

Construction Materials

Ser. No. 360,332. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Jan. 17, 1935. Under section 5b of the act of 1905 as amended in 1920.

IMPERIAL

Applicant is the owner of Reg. No. 160,711.
For Asphalt Roofing.
Claims use since January, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 421,542. THE SILEX COMPANY, Hartford, Conn. Filed July 13, 1939.

SILEX

For Tea Makers, Synthetic Resin Handles Therefor, Synthetic Resin Supports and Bases Therefor, and Filters and Strainers Therefor.
Claims use since May 26, 1939.

Ser. No. 423,114. PACIFIC PLASTIC & MFG. CO., INC., Los Angeles, Calif. Filed Aug. 29, 1939.

HOLLYMADE

For Plastic Door Pulls and Door Knobs.
Claims use since Aug. 24, 1938.

Ser. No. 425,782. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y. Filed Nov. 18, 1939. Under 10-year proviso.

DURKEE

The drawing is lined for red.
For Cord Pulleys, Awning Blocks, Anchor Trip Hooks, Overhauling Weights, Flagpole Sockets, Shaft Tail Nuts, Manhole Plates, Bunker Plates, Deck Plates, Deck Irons, Pipe Rail Fittings, Pipe Flanges, Rail Crosses, Hand Rail Ends, Stanchions, Ladder Clips, Rail Hooks, Metal Couplings for Wood Rails, Ladder Hooks, Rail Brackets, Stanchion Sockets, Awning Cleats, Flagpole Holders, Awning Sockets, Deadeyes, Lizards, General Purpose Rings, Screw Hooks, Deck Hooks, Crotch Hooks, Turnbuckles, Toggles, Shackles, Links, Sling Links, Triangle Rings, Sling Chain and Switch Rope Forgings, Lap Links, S-Hooks, Swivels, Anchor Fish Hooks, Mooring Hooks, Riding Eyes, Cargo Hooks, Shank Hooks, Rope Thimbles, Match Hooks, Swivel Hooks, Snap Hooks, Nails, Screw Eyes, Lamp Hooks, Line Hooks, Plate Hooks, Plate Rings, Hammock Links, Door Hooks and Eyes, Door Hooks and Plates, Window Sash Hooks, Sliding Door Hooks, Eyebolts, Halyard Guides, Lacing Eyes, Flange Eyes, Deck Straps, Ring Bolts, Hitching Rings, Ferrules, Pole Bands, Rope Clips, Clamps and Fasteners for Launch Tiller Rope, Rope Sockets, Socket Bolts, Hook Sockets, Swivel Sockets, Hinges, Eye and Side Stubs, Rod Ends, Awning Ends, Jaw Tips and Stubs, Jaw Ends and Slides, Slide Rods, Stubs with Bolts, Flag Toggles, Tent Slides, Plate Brackets, Grommets, Desk Slides, Jack Chain, Tie Stakes, Buoy Rods, Cord Links, Dredge Rings, Blind Staples, Clinch Staples, Fence Staples, Hasp Staples, Netting Staples, Shelf Brackets, Corner Braces, Metal Letters and Figures, Knobs, Door Handles, Push Plates, Door Stops, Checks and Holders, Sash Pins, Sash Pulleys and Rollers, Door Sheaves, Skylight Quadrants and Raisers, Sash Lifts, Drawer Pulls and Handles, Door Pulls, Tray Handles, Locker Rings, Flush Rings and Pulls, Hasps and Staples, Coat Hooks, Ceiling Hooks, Binnacle Bells, Jingle Bells, Bell Pulls, Funnels, Wall Soap Dishes, Combination Soap Dish and Glass Holders, Tooth Brush Holders, Towel Racks, Match Holders and Toilet Paper Holders, Rafting Dogs, Ice Creepers, Threaded Bolts, Screws, Metal Washers, Nuts, Glaziers' Points, Tacks, Rivets, Door Springs, Ladles, Toilet Closets, Lavatories, Bath Tubs, Sinks, Air and Priming Cocks, Check Valves, Air Valves, Flush Valves, Metering Valves, Metal Pipe and Metal Pipe Couplings, Unions, L's and T's.
Claims use since 1870.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 418,732. NATIONAL LEAD COMPANY, New York, N. Y. Filed Apr. 26, 1939.

DUTCH BOY

Applicant is the owner of registration #62,136 (renewed) for the representation of a Dutch boy and of registration #351,264 for the words "Dutch Boy".
For Lead and Lead Alloys, Particularly Solder and Bearing Metals.
Claims use since 1912.

Ser. No. 425,588. SPUCK IRON & FOUNDRY CO., St. Louis, Mo. Filed Nov. 13, 1939.

STRENGTH TOUGHNESS SIFCOLOY UNIFORMITY ENDURANCE

CONTROLLED METAL

The words "Strength", "Toughness", "Uniformity", "Endurance", and "Controlled Metal" are disclaimed apart from the mark.
For Processed Cast Iron Alloy Metal.
Claims use since Nov. 30, 1934.

Ser. No. 425,810. SILVERSTEIN & PINSOF, INC., Chicago, Ill. Filed Nov. 18, 1939.

SIPI

For Zinc Base Slushing Alloys, Consisting of Zinc and Aluminum Alloys and Used in the Manufacture of Toys and Automobile Parts, Lead Base Slushing Alloys, Consisting of Lead and Antimony Alloys, Used in the Manufacture of Toys and Automobile Parts, Die Casting Alloys, Electrotype, Linotype, Monotype, Stereotype and Solder Alloys.
Claims use since Jan. 1, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 425,357. MOBILE PAINT MANUFACTURING COMPANY OF DELAWARE, INC., doing business as Mobile Varnish Works, Wilmington, Del., and Mobile Ala. Filed Nov. 7, 1939.

KOOL-BRITE

The word "Brite" is disclaimed apart from the mark.
For Aluminum and Bronze Paint.
Claims use since Nov. 27, 1937.

Ser. No. 425,948. THE BARRETT COMPANY, New York, N. Y. Filed Nov. 25, 1939.

FLEXGRIP

For Coal Tar Paint.
Claims use since Oct. 7, 1939.

Ser. No. 426,250. GILMAN PAINT AND VARNISH CO., doing business as Hamilton Paint Co., Chattanooga, Tenn. Filed Dec. 5, 1939.

BYMO

The drawing is lined for red and green.
For Gold Paint, Aluminum Paint, Flat Paint, Screen Enamel, Wagon and Implement Enamel, Paint Enamel, Porch and Deck Enamel, Varnish Stain, Ready Mixed Paint, Prepared Orange Shellac, and Prepared White Shellac.
Claims use since Nov. 9, 1939.

Ser. No. 427,144. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Jan. 4, 1940.

XTAGE

For Paints (Ready Mixed, Paste Form, and Dry), Paint Fillers, Undercoaters, and Primers.
Claims use since May 1, 1939.

Ser. No. 427,658. DEWEY ALLEN FOISTER, doing business as Commercial Chemical Company, Asheville, N. C. Filed Jan. 20, 1940.

Scratch-Go

For Polish for Furniture and Woodwork Which Renews Faded and Deteriorated Finishes and Removes Scratches.
Claims use since Jan. 1, 1939.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 425,103. THE SPARKS-WITHINGTON COMPANY, Jackson, Mich. Filed Oct. 31, 1939.

Music-Aire

For Electrical Horns.
Claims use since May 15, 1939.

Ser. No. 426,970. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed Dec. 29, 1939.

Midas

For Electric Lighting Fixtures.
Claims use since Dec. 12, 1939.

Ser. No. 427,045. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 30, 1939.

CROSS COUNTRY

For Battery Cables, Ignition Cable Sets, and Ignition Coils.
Claims use since Jan. 1, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 426,578. JOSEPH M. SMOOT, New York, N. Y. Filed Dec. 14, 1939.

IKNOW

For Board Game Played with Movable Pieces.
Claims use since Dec. 12, 1939.

Ser. No. 426,650. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Dec. 16, 1939.

Glen Eagles

For Golf Balls.
Claims use since May, 1938.

Ser. No. 426,700. LOUIS KRESSLER, doing business as Novelty Games Co., New York, N. Y. Filed Dec. 18, 1939.

PAY-ME

For Card Number Game Played After the Manner of Bingo or Tit-Tat-To.
Claims use since August, 1939.

Ser. No. 426,716. STANLEY STOOTHOFF, Pontiac, Mich. Filed Dec. 18, 1939.

BLOKADE

For Parlor or Table Games Played with a Game Board and Movable Game Pieces.
Claims use since Dec. 8, 1939.

Ser. No. 426,726. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Dec. 19, 1939.

ESCAPE

For Table Game Having Movable Playing Pieces.
Claims use since Nov. 1, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 421,789. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed July 20, 1939.

BARON

For Wooden Handles for Axes, Hatchets, and Similar Implements.
Claims use since June 15, 1939.

Ser. No. 422,911. ROTO WING COMPANY, Minneapolis, Minn. Filed Aug. 23, 1939.

ROTO WING

The word "Wing" is disclaimed apart from the mark.
For Snow Plows and Plows for Removing Snow from the Side of the Road.
Claims use since Mar. 1, 1939.

Ser. No. 422,937. LEMPCO PRODUCTS, INC., Bedford, Ohio. Filed Aug. 24, 1939.

LP

For Vehicle Axleshafts, Driveshafts, Flywheel Gears, Ring Gears and Pinions, Transmission Gears, Differential Gears, and Worm and Worm Gears, Water Pumps Suitable for Vehicles, Lathes, Mechanical, Electrical and Hydraulic Presses, Cylinder Boring Machines, Line Boring Machines, Piston Grinders, Brake Drum Grinders, Connecting Rod Grinders, Clutch Plate Grinders, Lapping Machines, Motor Block and Head Resurfacing Machines, Degreasing Machines, Crankpin Grinders, and Brake Shoe Resurfacing Machines.
Claims use since Jan. 19, 1929.

Ser. No. 426,074. STANDARD SALES COMPANY OF FLORIDA, INC., Jacksonville, Fla. Filed Nov. 29, 1939.

GATORS

For Razor Blades.
Claims use since Nov. 1, 1938.

Ser. No. 427,140. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Filed Jan. 4, 1940.

SPINNIT

For Egg Beaters.
Claims use since Nov. 15, 1939.

Ser. No. 427,156. CARDOX CORPORATION, Chicago, Ill. Filed Jan. 5, 1940.

CARDOX

For Portable Fire Extinguisher Apparatus and Repair and Replacement Parts Therefor.
Claims use since Nov. 17, 1939.

CLASS 25

Locks and Safes

Ser. No. 426,533. LOCKWOOD HARDWARE MANUFACTURING CO., Fitchburg, Mass. Filed Dec. 13, 1939.

BOR-LOC

The word "Loc" is disclaimed apart from the mark.
For Lock Sets.
Claims use since Dec. 6, 1939.

Ser. No. 426,602. J. CHESLER & SONS COMPANY, Brooklyn, N. Y. Filed Dec. 15, 1939.

TROJAN

For Cylinder Door Locks.
Claims use since Nov. 29, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 421,138. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed June 30, 1939.

DUREX

For Oil Metering Plugs and Similar Metering Devices Made from Metal Powders.
Claims use since Jan. 2, 1937.

Ser. No. 422,110. THOMAS B. GIBBS & CO., Chicago, Ill. Filed July 29, 1939.

TIME-O-GRAF

For Instruments and Parts Thereof Used in Timing Watches, Clocks, and Similar Devices Having Periodic Motion.
Claims use since Aug. 17, 1938.

Ser. No. 426,958. NEW YORK MERCHANDISE CO. INC., New York, N. Y. Filed Dec. 28, 1939.

debutante

For Sun Spectacles or Goggles.
Claims use since Dec. 6, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 426,746. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Dec. 19, 1939.

WESTERN ROYAL

For Refrigerators.
Claims use since Oct. 15, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 419,608. A BRANDWEIN & COMPANY, Chicago, Ill. Filed May 20, 1939.

Bonded
Brandco Bedding

The word "Bedding" is disclaimed apart from the mark.
For Mattresses, Cots, Studio Couches, and Pads.
Claims use since Jan. 9, 1939.

Ser. No. 426,188. COTY, INC., New York, N. Y. Filed Dec. 4, 1939.

LAZY SUSAN

For Perfume Display Stands.
Claims use since Nov. 30, 1939.

Ser. No. 426,472. L. A. YOUNG SPRING & WIRE CORPORATION, Detroit, Mich. Filed Dec. 11, 1939.

FIRM-FLEX

For Spring Structures for Mattresses and Cushions.
Claims use since Feb. 1, 1939.

Ser. No. 426,719. ROYAL VENETIAN BLIND MFG. CO., St. Louis, Mo. Filed Dec. 18, 1939.

ROYAL

For Venetian Blinds.
Claims use since Apr. 1, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 422,573. BRY BLOCK MERCANTILE CORP., Memphis, Tenn. Filed Aug. 14, 1939.

Brrton

For Gas Ranges, Heaters, Hot Plates, Oil Stoves and Heaters, Coal and Wood Ranges, Coal and Wood Heaters.
Claims use since July 14, 1939.

Ser. No. 424,764. DAY & NIGHT WATER HEATER CO., LTD., Monrovia, Calif. Filed Oct. 21, 1939.

LECTRO-GLO

For Gas Space Heaters.
Claims use since Jan. 24, 1939.

Ser. No. 425,312. THE TRIANGLE BURNER MANUFACTURING COMPANY, Platteville, Colo. Filed Nov. 6, 1939.



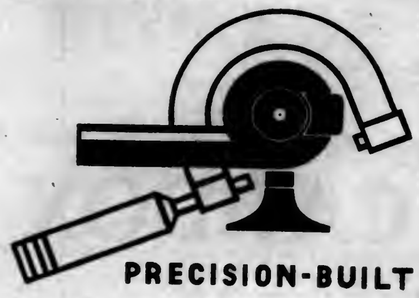
The representation of the goods and the words "Twin-Jet Burner" are disclaimed apart from the mark.
For Weed and Insect Burner.
Claims use since June 30, 1938.

Ser. No. 425,636. AMERICAN STEEL WORKS, Kansas City, Mo. Filed Nov. 15, 1939.

FIREBLO

For Oil and Gas Pressure Blower Burners.
Claims use since Sept. 23, 1939.

Ser. No. 426,536. NATIONAL OIL BURNER CO., Whitman, Mass. Filed Dec. 13, 1939.



The representation of the oil burner and the words "Precision-Built" are disclaimed apart from the mark.
For Domestic Oil Burners.
Claims use since Sept. 19, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 420,687. MICHELIN & CIE, Clermont-Ferrand, France. Filed June 19, 1939.



For Pneumatic Tires.
Claims use since May 15, 1939.

Ser. No. 426,722. ABEL SALES CORPORATION, Columbus, Ohio. Filed Dec. 19, 1939.

senator

For Automobile Pneumatic Tires and Tubes.
Claims use since Sept. 15, 1939.

Ser. No. 426,729. THE B. F. GOODRICH COMPANY, Akron, Ohio. Filed Dec. 19, 1939.

GOODFLEX

For Power Transmission Belts Composed of Fabric and Rubber.
Claims use since Oct. 3, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 422,224. UNITED STATES RECORD CORPORATION, New York, N. Y. Filed Aug. 2, 1939.

Royale

For Phonograph Records.
Claims use since July 27, 1939.

CLASS 37

Paper and Stationery

Ser. No. 425,467. WILLIAM C. GARTELMAN, Chicago, Ill. Filed Nov. 9, 1939.

MATCH-GRAM

The word "Match" is disclaimed apart from the mark.
For Match Book Covers Sold Empty.
Claims use since Oct. 20, 1939.

Ser. No. 425,468. WILLIAM C. GARTELMAN, Chicago, Ill. Filed Nov. 9, 1939.



The word "Match" is disclaimed apart from the mark.
For Match Book Covers Sold Empty.
Claims use since Oct. 20, 1939.

CLASS 39

Clothing

Ser. No. 411,988. MAX DOMBROWSKY, New York, N. Y. Filed Oct. 24, 1938.



The word "Cravat" is disclaimed.
For Men's and Boys' Neckties.
Claims use since Apr. 1, 1928.

Ser. No. 422,010. MODERN MADE SPORTSWEAR, INC., Los Angeles, Calif. Filed July 27, 1939.

"Hi-Butch!"

BY MODERN MADE CALIFORNIA

The words "By Modern Made California" are disclaimed apart from the mark.
For Ladies', Men's, and Children's Garments—Namely, Ladies' and Children's Dresses, Coats, Bathing Suits, Slack Suits, Shirts, Underwear, and Sweaters; Men's and Boys' Shirts, Underwear, Bathing Suits, Slacks, and Sweaters.
Claims use since June 15, 1939.

Ser. No. 422,117. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed July 31, 1939.

TRU-TEX

For Clothing for Men—Namely, Outer and Under Shirts, Pajamas, Athletic Shirts and Shorts, Hosiery, Handkerchiefs, Sweaters, Lounging Robes, Leather Jackets, Gloves Made of Leather, Fabric, and/or Combinations Thereof, Scarfs, Hats, and Underwear.
Claims use since Sept. 18, 1922.

Ser. No. 422,549. KNIT PRODUCTS CORPORATION, Belmont, N. C. Filed Aug. 12, 1939.

Visionized Finish

The word "Finish" is disclaimed except in association with the other features of the mark.
For Hosiery.
Claims use since Aug. 7, 1939.

Ser. No. 422,867. ROYAL ROBES, INC., New York, N. Y. Filed Aug. 22, 1939.

ROYAL *Lounger*

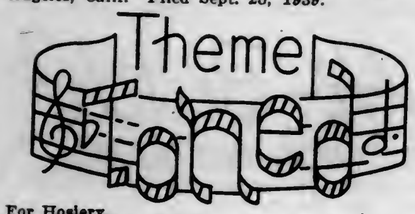
For Men's Robes.
Claims use since July 31, 1939.

Ser. No. 423,932. THEME HOSIERY COMPANY, INC., Los Angeles, Calif. Filed Sept. 25, 1939.



The word "California" is disclaimed apart from the mark.
For Hosiery.
Claims use since July 20, 1939.

Ser. No. 423,933. THEME HOSIERY COMPANY, INC., Los Angeles, Calif. Filed Sept. 25, 1939.



For Hosiery.
Claims use since June 5, 1939.

Ser. No. 425,041. CARITY HOSIERY COMPANY, Philadelphia, Pa. Filed Oct. 30, 1939.

LADY SMARTWEAR

No claim is made to the word "Smartwear" apart from the mark.
For Hosiery.
Claims use since Jan. 1, 1933.

Ser. No. 425,488. JACOB J. ROSE, New York, N. Y. Filed Nov. 9, 1939.



For Women's and Misses' Outerskirts, Jackets, Blouses, Hats, Bathing Suits. Slips, Sleeping and Lounging Pajamas, Wraps, and Handkerchiefs.
Claims use since Nov. 21, 1938.

Ser. No. 425,656. SPUNTEX CORPORATION, New York, N. Y. Filed Nov. 15, 1939.

Dixieanna

For Women's and Girls' Wearing Apparel—Namely, Chenille Bed Jackets, House Coats, Bathing Suits, Slacks, Outer Shorts, Play Suits, Beach Robes, Lumber Jackets, Culottes, Farmerettes (Short Overalls), Sweat Shirts, Halters, and Sweaters.
Claims use since Nov. 3, 1939.

Ser. No. 425,671. WM. E. HOOPER & SONS COMPANY, Baltimore, Md. Filed Nov. 15, 1939.

FIRE CHIEF

For Protective Clothing and Particularly Flame and Water Resisting Articles of Clothing such as Overalls, Coveralls, Work Suits, Coats and Jackets Including Hunting Coats and Jackets, Capes, Trousers, Aprons, Hoods and Hats, Gloves and Gauntlets, Leggings, Leg and Arm Guards, Shirts, Boots and Shoes, Made of Flame and Water Resistant Treated Fabrics, Stockings and Socks, but not Including Raincoats and Rubber Boots.
Claims use since Nov. 10, 1939.

Ser. No. 425,947. J. A. ARMSTRONG & SONS INC., Boston, Mass. Filed Nov. 25, 1939.

NEWING

For Hairnets, Baby Pants, Roll Garters, and Dress Belts for Wear Outside of Dress.
Claims use since Aug. 7, 1939.

Ser. No. 426,054. SILVIA DORÉE, doing business as "Designs Silvia Dorée", New York, N. Y. Filed Nov. 29, 1939.

PUSS-PADS

Applicant disclaims "Pads" apart from the mark.
For Slippers Made of Leather, Fabric, or Rubber.
Claims use since June 15, 1939.

Ser. No. 426,130. ETHEL FRIEDMAN, New York, N. Y. Filed Dec. 1, 1939.

Medalia TU-PAIR

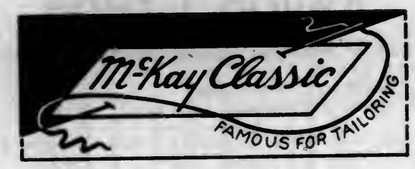
No claim is made to the phrase "Tu-Pair" apart from the mark.
For Ladies' and Men's Hosiery and Underwear, and Men's Neckties.
Claims use since Aug. 10, 1939.

Ser. No. 426,157. CHEVETTE, INC., New York, N. Y. Filed Dec. 2, 1939.

Gay-Baby

For Panties, Panty Girdles, Girdles, Corsets, Slips, and Nightgowns.
Claims use since February, 1939.

Ser. No. 426,658. MCKETTRICK WILLIAMS, INC., New York, N. Y. Filed Dec. 16, 1939.



The words "Classic" and "Famous for Tailoring" are disclaimed apart from the mark.
For Ladies' Dresses and Suits.
Claims use since Jan. 1, 1939.

Ser. No. 426,701. KLINE'S, INCORPORATED, St. Louis, Mo. Filed Dec. 18, 1939.

Kenneth Malcolm

For Women's Clothing—Namely, Sweaters, Blouses, Skirts, and Coats.
Claims use since June 13, 1939.

Ser. No. 426,733. MASSACHUSETTS KNITTING MILLS, Boston (Jamaica Plain), Mass. Filed Dec. 19, 1939.

Fontenelle

For Women's and Girls' Hosiery.
Claims use since Oct. 1, 1938.

Ser. No. 426,785. SACKMAN BROTHERS COMPANY, New York, N. Y. Filed Dec. 20, 1939.

Pennies From Heaven

For Children's Shirts and Pants.
Claims use since Nov. 20, 1930.

Ser. No. 426,854. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Dec. 23, 1939.

Dornette

For Women's Wash Dresses.
Claims use since Nov. 10, 1939.

Ser. No. 426,868. RHEA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Dec. 23, 1939.

Kitchen-Aide

For Women's Dresses.
Claims use since Dec. 4, 1939.

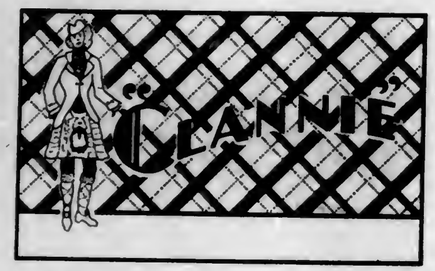
Ser. No. 426,884. FRENCH VEILING CORP., New York, N. Y. Filed Dec. 26, 1939.

THREE CROWNS



For Hair Nets.
Claims use since Jan. 8, 1939.

Ser. No. 426,894. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio. Filed Dec. 26, 1939.



For Women's, Misses', Juniors', and Children's Coats, Suits, and Dresses.
Claims use since Nov. 3, 1939.

Ser. No. 427,210. SILVERSTEIN & SCHLOSSBERG, Baltimore, Md. Filed Jan. 6, 1940.

Silvermoor

For Women's, Misses', and Junior Coats and Suits, Jackets and Skirts.
Claims use since Dec. 28, 1939.

Ser. No. 427,372. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Jan. 12, 1940.

Sa Shay

For Boots, Shoes, and Slippers of Leather, Fabric, or Combinations Thereof.
Claims use since Dec. 19, 1939.

Ser. No. 427,399. WILL STEINMAN, INC., New York, N. Y. Filed Jan. 12, 1940.

"COTILLION"

For Ladies', Misses', and Junior Dresses.
Claims use since Nov. 6, 1939.

Ser. No. 427,449. WOHLBERG BROS. NECKWEAR CO., New York, N. Y. Filed Jan. 13, 1940.

Interlocke

For Neckties.
Claims use since March, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 424,737. S. NAITOVE & CO., INC., New York, N. Y. Filed Oct. 20, 1939.

KOOLWAF

The drawing is lined for red.
For Rayon Piece Goods.
Claims use since November, 1938.

Ser. No. 425,141. CUSTOM UNDERGARMENT CORPORATION, New York, N. Y. Filed Nov. 2, 1939.

IRADIUM
CREPE

Rayon Crepe

Applicant makes no claim to the words "Crepe" or "Rayon Crepe."
For All Rayon Piece Goods.
Claims use since Dec. 17, 1939.

Ser. No. 426,319. W. E. MCKAY & CO., INC., New York, N. Y. Filed Dec. 7, 1939.

Kaycraft

For Cotton and Rayon Piece Goods Used in the Manufacture of Women's Wearing Apparel.
Claims use since Oct. 15, 1939.

Ser. No. 426,387. M. J. WHITTALL ASSOCIATES, INC., Worcester, Mass. Filed Dec. 8, 1939.

MARION

For Carpets and Rugs.
Claims use since Jan. 16, 1939.

Ser. No. 426,556. CHICOPEE MANUFACTURING CORPORATION, New Brunswick, N. J. Filed Dec. 14, 1939.

Chixcloth

For Untreated Cleaning Cloths, Towels, Dusters, Napkins, Strainers, and Utility Cloths.
Claims use since November, 1938.

Ser. No. 427,041. RAYLAINE WORSTEDS, INC., Manchester, N. H. Filed Dec. 30, 1939.

RAYLAINE

For Piece Goods of Rayon and Woolen Mixed.
Claims use since Aug. 1, 1939.

Ser. No. 427,055. WOLF & DESSAUER CO., Fort Wayne, Ind. Filed Dec. 30, 1939.

SUPERCRAFT

For Pillow Cases, Sheets, and Textile Fabrics in the Piece—Namely, of Silk, Wool, Cotton, and Rayon.
Claims use since Jan. 9, 1939.

Ser. No. 427,139. HERRMANN & JACOBS, INC., New York, N. Y. Filed Jan. 4, 1940.

MELOTEX

For Linen Tablecoths, Linen Napkins, Cotton Tablecloths, Cotton Napkins, Cotton and Rayon Tablecloths, Cotton and Rayon Napkins, Linen Towels, Cotton Towels, Linen and Cotton Sheets and Pillow Cases, Bedspreads, Cotton Face Cloths, Bath Mats, Bath Towels.
Claims use since Dec. 21, 1939.

Ser. No. 427,154. WULLSCHLEGER & CO., New York, N. Y Filed Jan. 4, 1940.

ROBIN HOOD

For Velveteens.
Claims use since Dec. 22, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 421,423. GEORGE B. EDMUNDS, doing business as the Dixie-Rush Company, Decatur, Ga. Filed July 10, 1939.

Dixie Rush

For Maltless, Nonalcoholic Soft Drinks and the Syrups and Extracts for Making the Same.
Claims use since Jan. 27, 1937.

Ser. No. 425,610. COUNTRY CLUB SODA CO., INC., Springfield, Mass. Filed Nov. 14, 1939.

Country Club

For Non-Alcoholic Beverages Sold as Soft Drinks.
Claims use since March, 1901.

Ser. No. 426,972. CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 29, 1939.

Black Bird

For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Syrups and Concentrates from Which Such Soft Drinks Are Made.
Claims use since Dec. 15, 1939.

Ser. No. 426,974. CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 29, 1939.

Red Bird

For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks and Syrups and Concentrates from Which Such Soft Drinks Are Made.
Claims use since Dec. 15, 1939.

Ser. No. 427,087. ROOT POP BOTTLING CO., Washington, D. C. Filed Jan. 2, 1940.

BARTENDER

For Maltless, Nonalcoholic, Noncereal Mixer for Tom Collins.
Claims use since Dec. 15, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 402,834. CHARLES WILSON-SEARS, London, England. Filed Feb. 8, 1938.

DUMA

For Cheese.
Claims use since 1906.

Ser. No. 413,300. JAKE C. DRENNON, doing business as Drennon Food Products Company, Atlanta, Ga. Filed Nov. 30, 1938.

JAKE'S

For Potato Chips, Peanut Butter Sandwiches, and Salted Peanuts.
Claims use since March, 1933.

Ser. No. 416,281. HARRY M. AUERBACH, New York, N. Y. Filed Feb. 21, 1939.

Hamburgve

For Chopped and Prepared Chopped Meat Particularly as a Sandwich Filler.
Claims use since Feb. 1, 1939.

Ser. No. 417,380. MANHATTAN PICKLE COMPANY, Chicago, Ill. Filed Mar. 22, 1939.



For Foods and Ingredients of Foods—Namely, Pickles—Namely, Dill Pickles, Kosher Dill Pickles, Sour Pickles, Sweet Pickles, Sweet Mixed Pickles, Gherkins, Piccalilli, Chow Chow, Olives, Mayonnaise, French Salad Dressing and Ketchup, Usually Packed in Glass Containers, and Canned Pickles, also Wine Cured Pickles, Polish Dill Pickles, Burr Gherkins, Watermelon Rinds, Onions, Peppers, Mangoes, Relishes—Namely, Vegetable Relish, Cucumber Relish, Barbecue Relish, Luncheon Relish, Celery Relish, Fresh Cucumber Slices, Vinegar, Sauces—Namely, Worcestershire Sauce, Chop Suey Sauce, Barbecue Sauce, Steak Sauce, Chili Sauce, Spaghetti Sauce, and Sandwich Spreads.
Claims use since Jan. 25, 1930.

Ser. No. 419,829. MARTHA TUCKER'S MAL-TEE CORPORATION, Grand Rapids, Mich. Filed May 26, 1939.

MAL-TEE

For Malted Milk Drink.
Claims use since Oct. 15, 1938.

Ser. No. 420,211. L. E. BONE, doing business as Bread Pep Company, Wichita, Kans. Filed June 6, 1939.

BREAD PEP

The word "Bread" is disclaimed apart from the mark.
For Combination of Mineral Salts and Four Designed as a Yeast Food to Neutralize the Acidity Created by the Fermentation of Yeast in the Making of Bread and for the Purpose of Accelerating the Rising of the Bread and for Keeping It From Becoming Sour.
Claims use since February, 1933.

Ser. No. 420,666. CHAPPEL BROS., INC., Rockford, Ill. Filed June 19, 1939.

Ken-L-Lac

No claim is made to the word "Lac" apart from the mark.
For Vitaminic Food for Dogs, Cats, and Other Carnivorous Animals.
Claims use since February, 1938.

Ser. No. 420,831. THE SILEX COMPANY, Hartford, Conn. Filed June 22, 1939.

SILEX

The applicant is the owner of registration No. 112,292, registered Aug. 29, 1916.
For Tea.
Claims use since May 29, 1939.

Ser. No. 421,359. THOMAS TORNATORE, Canastota, N. Y. Filed July 7, 1939.

LIBERTY



For Onions.
Claims use since Aug. 1, 1935.

Ser. No. 421,717. HARRY SIMBERG, Mattapan, Mass. Filed July 18, 1939.



For Ice Cream and Frozen Desserts.
Claims use since Mar. 13, 1930.

Ser. No. 421,982. MARGARET F. RUDKIN, Fairfield, Conn. Filed July 26, 1939.

MEL-BITS

Applicant disclaims the word "Bits" apart from the mark.
For Toast Squares.
Claims use since July 15, 1939.

Ser. No. 422,587. VICTOR M. CALDERON CO. INC., New York, N. Y. Filed Aug. 14, 1939.



For Canned Sardines.
Claims use since Apr. 26, 1939.

Ser. No. 422,667. ALFRED FLEISCHL & SONS, New York, N. Y. Filed Aug. 16, 1939.

AF&S TOP BRAND



The word "Brand" is disclaimed apart from the mark.
For Fresh Eggs.
Claims use since Aug. 9, 1939.

Ser. No. 422,761. THE TOBIN PACKING COMPANY, INCORPORATED, Fort Dodge, Iowa. Filed Aug. 18, 1939.

BRUNCH

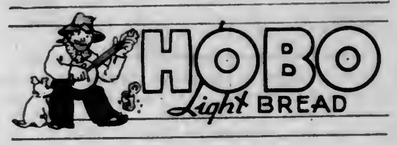
For Meats and Meat Products—Viz, Bacon and a Canned Processed Meat Food Product Consisting of Pork Cheeks and Pork Trimmings.
Claims use since Aug. 10, 1939.

Ser. No. 422,916. LEONARD S. STOLOFF, Boston, Mass. Filed Aug. 23, 1939.



The word "Marshmallow" is disclaimed apart from the mark.
For Marshmallow Crème.
Claims use since Apr. 1, 1938.

Ser. No. 424,594. HOWE-ANDERSON COMPANY, doing business as Howe-Anderson Bakery, Galesburg, Ill. Filed Oct. 16, 1939.



The words "Light Bread" are disclaimed.
For Bread.
Claims use since Aug. 25, 1939.

Ser. No. 424,836. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago and Mount Vernon, Ill., and Louisville, Ky. Filed Oct. 24, 1939.



No claim is made to the words "All Crisp" nor to the representation of the goods apart from the mark.
For Soda Crackers or Biscuits.
Claims use since January, 1933.

Ser. No. 424,837. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as The Hampton Cracker Company, Incorporated, Chicago, Ill., and Louisville, Ky. Filed Oct. 24, 1939.



No claim is made to the words "Crackin' Good Crackers" apart from the mark.
For Soda Crackers or Biscuits.
Claims use since April, 1933.

Ser. No. 424,840. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago and Mt. Vernon, Ill., and Louisville, Ky. Filed Oct. 24, 1939.



No claim is made to the words "Oven Fresh" nor to the representation of the goods apart from the mark.
For Soda Crackers or Biscuits.
Claims use since June, 1933.

Ser. No. 424,842. CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as Davidson Biscuit Co., Chicago and Mt. Vernon, Ill., and Louisville, Ky. Filed Oct. 24, 1939.



No claim is made to the words "Tasty Flake" nor to the representation of the goods apart from the mark.
For Soda Crackers or Biscuits.
Claims use since February, 1932.

Ser. No. 424,847. ENRICH PRODUCTS CO., INC., New York, N. Y. Filed Oct. 24, 1939.



For Food Drink in Powder Form Containing Soy Bean, Barley Malt, Dextrose, Brown Sugar, Wheat Germ, Rice Coatings, and Flavorings.
Claims use since July 7, 1939.

Ser. No. 425,673. MINNESOTA FARM BUREAU SERVICE COMPANY, St. Paul, Minn. Filed Nov. 15, 1939.



The drawing is lined for red, blue, and yellow. All wording except "Cafeteria" is disclaimed apart from the mark.
For Poultry Food.
Claims use since May 15, 1939.

Ser. No. 425,675. JAS. H. FORBES TEA AND COFFEE COMPANY, St. Louis, Mo. Filed Nov. 16, 1939.



For Spices.
Claims use since July 10, 1906.

Ser. No. 426,129. WM. FISHER, doing business as Wm. Fisher & Co., San Francisco, Calif. Filed Dec. 1, 1939.



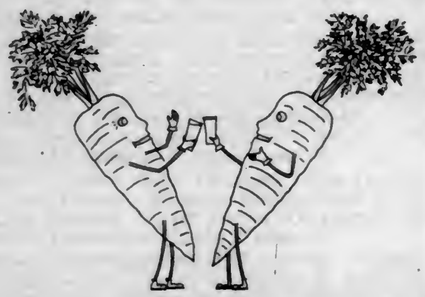
The words "Harina" and "Calidad Superior" are disclaimed apart from the mark.
For Wheat Flour.
Claims use since 1923.

Ser. No. 426,298. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Dec. 6, 1939.



Applicant is the owner of trade-mark registration No. 79,906, dated Oct. 18, 1910.
For Canned Fruits and Canned Fruit Juices for Food Purposes.
Claims use since Mar. 17, 1910, on canned fruits; and since Nov. 2, 1939, on canned fruit juices.

Ser. No. 426,684. BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Dec. 16, 1939.



For Canned Vegetables Juices for Food Purposes.
Claims use since June 13, 1939.

Ser. No. 426,704. E. C. ORTEGA CO., Los Angeles, Calif. Filed Dec. 18, 1939.



Applicant is the owner of registrations No. 283,530 and No. 283,928.
For Tomato Drink for Food Purposes.
Claims use since Nov. 20, 1930.

Ser. No. 426,723. AMERICAN RICE GROWERS COOPERATIVE ASSOCIATION, Lake Charles, La. Filed Dec. 19, 1939. Under the act of Feb. 20, 1905 as amended June 10, 1938.



For Rice.
Claims use since Dec. 16, 1939.

Ser. No. 426,802. THE GALEN COMPANY, INC., doing business as Hawaiian Taro Sales Co., Berkeley, Calif. Filed Dec. 21, 1939.



The drawing is lined for brown and blue.
For Food Product in Powdered Form Comprising Hawaiian Taro, Malt, Cocoa, and Other Ingredients, Used as a Foundation for Nutritional Beverages.
Claims use since Dec. 13, 1939.

Ser. No. 426,875. D. H. GRANDIN MILLING CO., Jamestown, N. Y. Filed Dec. 22, 1939.



For Stock Feeds—Namely, Oats, Corn, Barley, Barley Middlings, Hominy Feed, Oat Hulls for Feeding Purposes, Dairy Feed, Milk-Maker Dairy Feed, Fitting Ration Feed, Horse Feed, Green Stock Feed, Pig and Hog Ration Feed; for Poultry Feeds—Namely, Starter Feed, Grower Feed, Layer Feed, Start-to-Finish Feed Mash, Chick Starting Feed Mash, Growing Feed Mash, Laying Feed Mash, Breeder Feed Mash, Complete Laying Feed Mash, Fleshing Pellets Feed, Broiler Feed Mash, Turkey Starter Feed, Turkey Grower Feed, Turkey Finishing Feed Mash, Turkey Breeder Feed Mash, Baby Chick Grains, Intermediate Chick Grains, Scratch Grains, Special Scratch Grains.

Claims use on start-to-finish mash (starter-grower-layer), since December, 1935; chick starting mash and special scratch grains, since January, 1937; growing mash, and laying mash, since January, 1920; breeder mash, since September, 1937; complete laying mash, since December, 1933; fleshing pellets, since November, 1937; broiler mash, since January, 1930; turkey starter, since January, 1932; turkey grower, since May, 1936; turkey finishing mash, since October, 1939; turkey breeder mash, since October, 1939; baby chick grains, since March, 1920; intermediate chick grains and pig and hog ration, since February, 1920; scratch grains, since March, 1915; twin six dairy feed, since August, 1918; milk maker, since September, 1916; 32 dairy feed, since October, 1931; 24 dairy feed, since October, 1928; 20 dairy feed, since November, 1928; 16 dairy feed, since September, 1928; 14 fitting ration, since February, 1936; stock feed, since November, 1911; horse feed, since June, 1930; green feed, since November, 1932.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 424,219. ADVANCE MFG. COMPANY, Chicago, Ill. Filed Oct. 5, 1939.

Aqua-Sheen

The word "Sheen" is disclaimed apart from the mark.

For Oiled Silk.

Claims use since Jan. 6, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 27, 1940

375,652. MEN'S AND BOYS' SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. WARE, PRATT COMPANY, Worcester, Mass.

Filed July 18, 1936. Serial No. 381,179. PUBLISHED DECEMBER 19, 1939. Class 39.

375,653. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.

Filed February 15, 1937. Serial No. 388,903. PUBLISHED DECEMBER 19, 1939. Class 38.

375,654. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.

Filed August 25, 1937. Serial No. 396,729. PUBLISHED DECEMBER 19, 1939. Class 43.

375,655. TIME CLOCKS. LEE ANDREW DU ROCHER, Norco, La.

Filed September 17, 1937. Serial No. 397,504. PUBLISHED DECEMBER 19, 1939. Class 27.

375,656. MEN'S AND BOYS' OUTER COATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.

Filed September 29, 1937. Serial No. 397,938. PUBLISHED NOVEMBER 30, 1937. Class 39.

375,657. MAGAZINE. DETECTIVE STORIES PUBLISHING COMPANY, Chicago, Ill., assignor to Click, Inc., of Philadelphia, Pa., a corporation of Delaware.

Filed January 7, 1938. Serial No. 401,654. PUBLISHED AUGUST 2, 1938. Class 38.

375,658. MOTOR OIL. SEARS, ROEBUCK AND CO., Chicago, Ill.

Filed April 1, 1938. Serial No. 404,778. PUBLISHED DECEMBER 19, 1939. Class 15.

375,659. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK. PURE DRINKS, INC., Cleveland, Ohio.

Filed May 27, 1938. Serial No. 406,851. PUBLISHED MARCH 7, 1939. Class 45.

375,660. LEATHER SHOES FOR WOMEN, MISSES, AND BOYS. IRA M. LONGINI, doing business as Longini Shoe Mfg. Co., Cincinnati, Ohio.

Filed September 13, 1938. Serial No. 410,512. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,661. HOT AIR FURNACE COVERING JACKET COMPRISING MINERAL WOOL INSULATION AND SHEET METAL SHEATHING. GREAT LAKES FURNACE AND INSULATING CORPORATION, Buffalo, N. Y.

Filed September 23, 1938. Serial No. 410,904. PUBLISHED DECEMBER 19, 1939. Class 34.

375,662. ELECTRICAL APPARATUS AND SUPPLIES—NAMELY, CARBONS WITH AND WITHOUT LIGHTING COMPOSITIONS FOR ARC LAMPS AND PROJECTORS; CARBON RODS, ETC. C. CONRADTY, Nuremberg, Germany.

Filed October 29, 1938. Serial No. 412,173. PUBLISHED DECEMBER 19, 1939. Class 21.

375,663. LOOSE LEAF BINDERS. NATIONAL BLANK BOOK COMPANY, Riverside, Holyoke, Mass.

Filed November 2, 1938. Serial No. 412,301. PUBLISHED DECEMBER 19, 1939. Class 37.

375,664. PHOTOGRAPHS AND PRINTS. EDWARD J. REEVES, New York, N. Y., assignor to Photo Developing, Inc., Camden, N. J., a corporation of New Jersey.

Filed November 2, 1938. Serial No. 412,304. PUBLISHED DECEMBER 19, 1939. Class 38.

375,665. WRITING PAPER. WITS END, Ardmore, Okla.

Filed November 3, 1938. Serial No. 412,363. PUBLISHED DECEMBER 19, 1939. Class 37.

375,666. NARROW ELASTIC BRAIDS, CORDS, WEBBINGS, AND TAPES; AND NARROW ELASTIC SUSPENDER ENDS. ELASTIC S. A., Basel, Switzerland.

Filed November 10, 1938. Serial No. 412,597. PUBLISHED DECEMBER 19, 1939. Class 40.

375,667. SCHOOL NEWSPAPER, PUBLISHED BIMONTHLY. STINSON SCHOOL OF AVIATION INC., Long Island City, N. Y.

Filed December 8, 1938. Serial No. 413,600. PUBLISHED DECEMBER 5, 1939. Class 38.

375,668. SECTION OF A SCHOOL NEWSPAPER. STINSON SCHOOL OF AVIATION INC., Long Island City, N. Y.

Filed December 8, 1938. Serial No. 413,601. PUBLISHED DECEMBER 5, 1939. Class 38.

375,669. LUBRICATING OILS AND GREASES AND ANTI-CORROSIVE OILS. JOHN R. AVEY, doing business as Avey Products Company, Tulsa, Okla.

Filed December 19, 1938. Serial No. 413,974. PUBLISHED DECEMBER 12, 1939. Class 15.

375,670. ADVERTISING MATERIAL SOLD AS SUCH TO THE TRADE—NAMELY, CORRESPONDENCE FOLDERS, LETTERS, CIRCULARS, AND PAMPHLETS. METROPOLITAN CREDIT, INC., Cleveland, Ohio.

Filed January 20, 1939. Serial No. 415,049. PUBLISHED DECEMBER 19, 1939. Class 38.

375,671. SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.

Filed January 26, 1939. Serial No. 415,266. PUBLISHED DECEMBER 19, 1939. Class 39.

375,672. COFFEE. WALTER R. WRIGHT, Oak Park, Ill., assignor, by mesne assignments, to Sally Lee Coffee Co., Inc., Chicago, Ill.

Filed February 23, 1939. Serial No. 416,350. PUBLISHED DECEMBER 19, 1939. Class 46.

375,673. SEWING NEEDLES FOR HAND USE. CONTINENTAL MERCHANDISE CO., New York, N. Y.

Filed February 27, 1939. Serial No. 416,456. PUBLISHED DECEMBER 19, 1939. Class 40.

375,674. WORSTED YARNS, WOOL YARNS, RAYON YARNS, SILK YARNS, COTTON YARNS, YARNS COMPOSED OF A MIXTURE OF RAYON AND COTTON, AND YARNS COMPOSED OF A MIXTURE OF WORSTED AND RAYON. FLEISHER YARNS, INC., New York, N. Y.

Filed March 9, 1939. Serial No. 416,853. PUBLISHED MAY 9, 1939. Class 43.

375,675. PHONOGRAPH AND RADIO RECEIVING SET COMBINATIONS. WHELER AND SPORTY, INC., New York, N. Y.

Filed March 14, 1939. Serial No. 417,069. PUBLISHED DECEMBER 19, 1939. Class 36.

375,676. ASBESTOS CEMENT PIPE. ASBESTOS CEMENT PIPES, INCORPORATED, New York, N. Y.

Filed March 29, 1939. Serial No. 417,603. PUBLISHED DECEMBER 5, 1939. Class 12.

375,677. FIXTURES FOR ADJUSTABLE HANGING ELECTRIC LAMPS—NAMELY, LAMP HANGERS, LAMP SHOCK ABSORBERS, BRACKETS, MOUNTINGS, ADAPTERS, ETC. THE THOMPSON ELECTRIC COMPANY, Cleveland, Ohio.
Filed April 3, 1939. Serial No. 417,827. PUBLISHED DECEMBER 19, 1939. Class 21.

375,678. CANDLES. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y.
Filed April 3, 1939. Serial No. 417,830. PUBLISHED DECEMBER 5, 1939. Class 15.

375,679. MATERIAL FOR MAKING CAST REFRACTORY BODIES. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed April 6, 1939. Serial No. 417,921. PUBLISHED OCTOBER 10, 1939. Class 12.

375,680. MATERIAL FOR MAKING CAST REFRACTORY BODIES. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed April 6, 1939. Serial No. 417,922. PUBLISHED NOVEMBER 7, 1939. Class 12.

375,681. COFFEE. STEELE-WEDELES COMPANY, Chicago, Ill.
Filed April 10, 1939. Serial No. 418,072. PUBLISHED JUNE 27, 1939. Class 46.

375,682. GASOLINE. BERNARD M. SOLOMON, doing business as Tankar Filling Stations, Montgomery, Ala.
Filed April 11, 1939. Serial No. 418,119. PUBLISHED AUGUST 15, 1939. Class 15.

375,683. WATER REPELLENT RAYON FABRICS IN THE PIECE. FEINER FABRICS INC., New York, N. Y.
Filed Apr. 14, 1939. Serial No. 418,241. PUBLISHED SEPTEMBER 12, 1939. Class 42.

375,684. WHEAT FLOUR. THE ISMERT-HINCKE MILLING COMPANY, Kansas City, Mo.
Filed April 17, 1939. Serial No. 418,341. PUBLISHED DECEMBER 19, 1939. Class 46.

375,685. CONDIMENTS—NAMELY, SALAD DRESSING. FRED MEYER, INC., Portland, Oreg.
Filed April 15, 1939. Serial No. 418,553. PUBLISHED DECEMBER 19, 1939. Class 46.

375,686. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed May 15, 1939. Serial No. 419,433. PUBLISHED DECEMBER 5, 1939. Class 43.

375,687. PUBLICATION DESCRIBING, ILLUSTRATING, AND REFERRING TO GAMES AND PUZZLES IN CONTESTS, PUBLISHED FROM TIME TO TIME. CHARLES A. ROBERTS, doing business as Editors and Publishers Service Company, New York, N. Y.
Filed May 23, 1939. Serial No. 419,735. PUBLISHED DECEMBER 12, 1939. Class 38.

375,688. LUBRICATING OILS. BRADFORD OIL REFINING COMPANY, Bradford, Pa.
Filed June 2, 1939. Serial No. 420,087. PUBLISHED DECEMBER 19, 1939. Class 15.

375,689. BINOCULARS AND FIELD GLASSES. HELEN WILNER, New York, N. Y.
Filed June 2, 1939. Serial No. 420,126. PUBLISHED DECEMBER 19, 1939. Class 26.

375,690. CLOTH UPHOLSTERY, DRAPERY, AND DECORATIVE RIBBED FLAT FABRICS (MANUFACTURED IN THE PIECE FROM ONE OR MORE OF THE FOLLOWING: VEGETABLE FIBERS SUCH AS COTTON, LINEN, JUTE, RAMIE, AND THE LIKE; AND ANIMAL FIBERS SUCH AS WOOL, MOHAIR, ANGORA, VICUNA, AND THE LIKE; AND SYNTHETIC FIBERS SUCH AS RAYON AND PULP). LOUISVILLE TEXTILES, INCORPORATED, Louisville, Ky.
Filed June 3, 1939. Serial No. 420,137. PUBLISHED DECEMBER 5, 1939. Class 42.

375,691. MEN'S HATS, CAPS, NECKTIES, DRESS, NEGLIGEE, AND UNDER SHIRTS OF KNITTED AND TEXTILE FABRIC, ETC. WEBER & HEILBRONER, INC., New York, N. Y.
Filed June 8, 1939. Serial No. 420,300. PUBLISHED DECEMBER 19, 1939. Class 39.

375,692. NECKTIES. M. & W. THOMAS CORP., New York, N. Y.
Filed June 9, 1939. Serial No. 420,331. PUBLISHED DECEMBER 19, 1939. Class 39.

375,693. JEWELERS' AND WATCH MAKERS' FINDINGS—NAMELY, SWIVELS, SPRING RINGS, JUMP RINGS, AND BOWS. SWARTCHILD & COMPANY, Chicago, Ill.
Filed June 16, 1939. Serial No. 420,605. PUBLISHED DECEMBER 19, 1939. Class 27.

375,694. HOSIERY. SCOTT-BURR STORES CORPORATION, Chicago, Ill.
Filed June 19, 1939. Serial No. 420,692. PUBLISHED DECEMBER 19, 1939. Class 39.

375,695. RECORD SHEETS, SOLD TO THE TRADE AS SUCH, IN CONNECTION WITH A PRIZE DRAWING SYSTEM. ASSOCIATED ENTERPRISES COMPANY, Superior, Wis.
Filed June 24, 1939. Serial No. 420,889. PUBLISHED DECEMBER 19, 1939. Class 37.

375,696. FRESH VEGETABLES—NAMELY, TURNIPS, TURNIP GREENS, MUSTARD GREENS, ENDIVE, ESCAROLLE, CAULIFLOWER, CARROTS, BEETS, ONIONS, LETTUCE, CABBAGE, BEANS, SQUASH, GREEN PEPPERS, AND TOMATOES. TRUMAN ELLSWORTH STEPHENS, doing business as Trulyn Shippers, Edinburg, Tex.
Filed June 21, 1939. Serial No. 420,786. PUBLISHED DECEMBER 19, 1939. Class 46.

375,697. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES. E. ELLSWORTH CHASE, JR., doing business as Chevy Chase Co., San Jose, Calif.
Filed June 26, 1939. Serial No. 420,884. PUBLISHED DECEMBER 19, 1939. Class 46.

375,698. BLENDED WHEAT FLOUR AND BREAD. CENTENNIAL FLOURING MILLS CO., Seattle, Wash.
Filed June 26, 1939. Serial No. 420,938. PUBLISHED DECEMBER 19, 1939. Class 46.

375,699. ELECTRIC BROILERS. FOSTER L. TALGE, Kansas City, Mo.
Filed June 28, 1939. Serial No. 421,059. PUBLISHED DECEMBER 19, 1939. Class 21.

375,700. GARMENT HANGERS. BARNEY STEMPLER & SONS, INC., New York, N. Y.
Filed July 1, 1939. Serial No. 421,210. PUBLISHED DECEMBER 19, 1939. Class 50.

375,701. DEVICES OPERABLE FOR OR WITH ELECTRIC CIRCUITS, INCLUDING ALARM AND SIGHT SIGNALS, TELEPHONE APPARATUS, WIRING, ELECTRIC CONTROL PANELS, MOTORS, SWITCHES, AND OTHER PARTS THEREOF. SCHWARZE ELECTRIC COMPANY, Adrian, Mich.
Filed July 7, 1939. Serial No. 421,356. PUBLISHED DECEMBER 19, 1939. Class 21.

375,702. LITHOGRAPHED, PRINTED, AND GRAVURE MATTER SUCH AS CATALOGS, BROADSIDES, BOOKLETS, PAMPHLETS, AND LABELS. THE FIRM OF JOHN DICKINSON SCHNEIDER, Chicago, Ill.
Filed July 13, 1939. Serial No. 421,540. PUBLISHED DECEMBER 19, 1939. Class 38.

375,703. PHONOGRAPHS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 15, 1939. Serial No. 421,617. PUBLISHED DECEMBER 19, 1939. Class 36.

375,704. COFFEE. H P COFFEE COMPANY, St. Louis, Mo.
Filed July 19, 1939. Serial No. 421,740. PUBLISHED DECEMBER 19, 1939. Class 46.

375,705. PIECE GOODS OF SILK, RAYON, AND ACETATE. PRINCETON SILK CORP., New York, N. Y.
Filed July 22, 1939. Serial No. 421,861. PUBLISHED DECEMBER 5, 1939. Class 42.

375,706. CANDY. THE EUCLID CANDY CO. OF CALIFORNIA, INC., San Francisco, Calif.
Filed July 25, 1939. Serial No. 421,932. PUBLISHED DECEMBER 19, 1939. Class 46.

375,707. PERIODICAL PUBLISHED FROM TIME TO TIME. HARRY A. MUNDORFF, JR., Wilmington, Del.
Filed August 2, 1939. Serial No. 422,215. PUBLISHED DECEMBER 19, 1939. Class 38.

375,708. NON-ALCOHOLIC MALTLESS BEVERAGES AND FOR MALTLESS SYRUPS USED IN THE PRODUCTION THEREOF. GROVER C. THOMSEN, doing business as The Glassite Company, Waco, Tex.
Filed August 2, 1939. Serial No. 422,221. PUBLISHED DECEMBER 12, 1939. Class 45.

375,709. TABLOID PICTURE SUPPLEMENT. THE EVENING NEWS PUBLISHING COMPANY, Dayton, Ohio.
Filed August 3, 1939. Serial No. 422,242. PUBLISHED DECEMBER 5, 1939. Class 38.

375,710. ASBESTOS TEXTILES, COMPRISING ASBESTOS THREAD, ASBESTOS YARN, AND ASBESTOS FLAT THREAD TAPE ADAPTED FOR USE IN WEAVING CLOTH AND USED IN CLOTHES MANUFACTURE AND MISCELLANEOUS USE WHEREVER ASBESTOS FLAT THREAD TAPE CAN BE UTILIZED. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed August 7, 1939. Serial No. 422,364. PUBLISHED NOVEMBER 21, 1939. Class 43.

375,711. LADIES' HATS. ISIDOR ROSENBERG, New York, N. Y.
Filed August 9, 1939. Serial No. 422,450. PUBLISHED DECEMBER 19, 1939. Class 39.

375,712. PRINTED PAPER FOLDERS IN THE FORM OF THEATER PROGRAMS OF COMING ATTRACTIONS, SOLD AS SUCH. SERIALGRAM COMPANY, Sidney, Mont.
Filed August 11, 1939. Serial No. 422,566. PUBLISHED DECEMBER 5, 1939. Class 38.

375,713. PICTORIAL ILLUSTRATION AS A NEWS FEATURE APPEARING IN DAILY, WEEKLY, OR MONTHLY PUBLICATIONS. DAVID D. FISHBACK, Wichita, Kans.
Filed August 14, 1939. Serial No. 422,578. PUBLISHED DECEMBER 19, 1939. Class 38.

375,714. RESINS, INCLUDING SYNTHETIC RESINS AND PROCESSED NATURAL RESINS; RESIN SOLUTIONS, ETC. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed August 14, 1939. Serial No. 422,598. PUBLISHED DECEMBER 19, 1939. Class 16.

375,715. COAL. CRESCENT COAL COMPANY, INCORPORATED, Bevier, Ky.
Filed August 19, 1939. Serial No. 422,772. PUBLISHED DECEMBER 19, 1939. Class 1.

375,716. EDGE GUIDES, HEMMERS, BLIND HEMMERS, BINDERS, BELT LOOP FOLDERS, COLLARETTE FOLDERS, FOLDER BRACKETS, STRIP TURNERS, EDGE TURNERS, ETC. METROPOLITAN SEWING MACHINE CORPORATION, Nyack, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York.
Filed August 19, 1939. Serial No. 422,782. PUBLISHED DECEMBER 19, 1939. Class 23.

375,717. DRAFT GAUGES, PORTABLE GAUGE ANALYZERS, AND THERMOMETERS. BACHARACH INDUSTRIAL INSTRUMENT COMPANY, Pittsburgh, Pa.
Filed August 19, 1939. Serial No. 422,797. PUBLISHED DECEMBER 19, 1939. Class 26.

375,718. CATALOGUE PUBLISHED YEARLY. RUSSELL PALMER, Hoboken, N. J.
Filed August 25, 1939. Serial No. 423,004. PUBLISHED DECEMBER 12, 1939. Class 38.

375,719. LUBRICATING AND SOLVENT OIL. WAVERLY PETROLEUM PRODUCTS CO., Philadelphia, Pa.
Filed August 25, 1939. Serial No. 423,018. PUBLISHED DECEMBER 12, 1939. Class 15.

375,720. COTTON YARN AND SEWING COTTON. COTOPA LIMITED, Bradford, England.
Filed August 30, 1939. Serial No. 423,127. PUBLISHED NOVEMBER 21, 1939. Class 43.

375,721. COTTON YARN AND SEWING COTTON IN BUNDLE FORM. COTOPA LIMITED, Bradford, England.
Filed August 30, 1939. Serial No. 423,129. PUBLISHED NOVEMBER 21, 1939. Class 43.

375,722. WOVEN COTTON SHEETING. WASHINGTON MILLS COMPANY, Mayodan and Winston-Salem, N. C., and Fries, Va.
Filed August 31, 1939. Serial No. 423,188. PUBLISHED DECEMBER 5, 1939. Class 42.

375,723. RADIO RECEIVING SETS. GRENADIER PRODUCTS, INC., New York, N. Y.
Filed September 1, 1939. Serial No. 423,212. PUBLISHED DECEMBER 19, 1939. Class 21.

375,724. MANICURE SETS. THE GLAZO COMPANY, INC., East Rutherford, N. J.
Filed September 2, 1939. Serial No. 423,260. PUBLISHED DECEMBER 19, 1939. Class 44.

375,725. MUSIC STANDS. KRAUTH & BENNINGHOFEN, Hamilton, Ohio.
Filed September 5, 1939. Serial No. 423,305. PUBLISHED DECEMBER 19, 1939. Class 36.

375,726. SEASONING FOR MEATS, POULTRY, FISH, SALADS, MADE FROM A BLEND OF SPICES AND HERBS. MAURICE H. AUERBACH, doing business as Pasa Pega Sales Co., San Francisco, Calif.
Filed September 6, 1939. Serial No. 423,325. PUBLISHED DECEMBER 19, 1939. Class 46.

375,727. LEATHER SHOES. AUGUST L. EICH, Chicago, Ill.
Filed September 6, 1939. Serial No. 423,332. PUBLISHED DECEMBER 19, 1939. Class 39.

375,728. BOOKS OF BLANK FORMS TO BE FILLED IN AND USED AS BOOKKEEPING RECORDS. MILLER-CRAVEN, INC., New York, N. Y.
Filed September 6, 1939. Serial No. 423,338. PUBLISHED DECEMBER 19, 1939. Class 37.

375,729. BICYCLES AND STRUCTURAL PARTS THEREOF. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed September 8, 1939. Serial No. 423,417. PUBLISHED DECEMBER 19, 1939. Class 19.

375,730. WAXED AND UNWAXED PAPER INTENDED PRIMARILY FOR WRAPPING PURPOSES. THE HAMERSLEY MANUFACTURING COMPANY, Garfield, N. J.
Filed September 8, 1939. Serial No. 423,420. PUBLISHED DECEMBER 19, 1939. Class 37.

375,731. METAL ALLOYS IN ROD AND WIRE FORM USED IN WELDING AND FOR CORE SOLDER. SOCIÉTÉ DES SOUDURES CASTOLIN, S. A., Lausanne, Switzerland.
Filed September 8, 1939. Serial No. 423,442. PUBLISHED DECEMBER 19, 1939. Class 14.

375,732. HEAT EXCHANGE COILS AND BAFFLES AND AIR CONDITIONING UNITS. AMERICAN COILS INC., Newark, N. J.
Filed September 9, 1939. Serial No. 423,453. PUBLISHED DECEMBER 19, 1939. Class 34.

375,733. MECHANICAL SHAFT COUPLINGS, UNIVERSAL JOINTS, AND FLEXIBLE BUSHINGS FOR MACHINERY. HARRIS PRODUCTS COMPANY, Akron, Ohio.
Filed September 11, 1939. Serial No. 423,499. PUBLISHED DECEMBER 19, 1939. Class 23.

375,734. BICYCLES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed September 13, 1939. Serial No. 423,544. PUBLISHED DECEMBER 19, 1939. Class 19.

375,735. PERIODICAL. LESLIE E. BIRGER, Dearborn, Mich.
Filed September 15, 1939. Serial No. 423,624. PUBLISHED DECEMBER 19, 1939. Class 38.

375,736. BROOMS, MOPS, SCRUBBING BRUSHES, AND DUSTERS. UNITED BUYERS CORPORATION, Chicago, Ill.
Filed September 15, 1939. Serial No. 423,640. PUBLISHED DECEMBER 19, 1939. Class 29.

375,737. POWER LIFT MECHANISM FOR AGRICULTURAL IMPLEMENTS DRAWN BY OR CARRIED ON AGRICULTURAL TRACTORS. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 16, 1939. Serial No. 423,666. PUBLISHED DECEMBER 19, 1939. Class 23.

375,738. DISH CLOTHS, CLOTH POT HOLDERS, SCRUB CLOTHS, UNTREATED DUST CLOTHS, AND UNTREATED POLISHING CLOTHS. BENJAMIN VINE, Haddonfield, N. J.
Filed September 16, 1939. Serial No. 423,687. PUBLISHED DECEMBER 5, 1939. Class 42.

375,739. TITLE FOR A COLUMN OF FASHION NEWS AND COMMENT PUBLISHED IN ITS DAILY NEWSPAPER, THE OAKLAND POST ENQUIRER. HEARST PUBLICATIONS, INCORPORATED, San Francisco, Calif.
Filed September 18, 1939. Serial No. 423,720. PUBLISHED DECEMBER 5, 1939. Class 38.

375,740. HATS OF THE CALOTTE OR TAM TYPE. LEO M. PFAELZER, New York, N. Y.
Filed September 19, 1939. Serial No. 423,738. PUBLISHED NOVEMBER 21, 1939. Class 39.

375,741. HANDKERCHIEFS. JOSEPH ROSEN, doing business as Manfield Handkerchief Co., New York, N. Y.
Filed September 19, 1939. Serial No. 423,740. PUBLISHED DECEMBER 19, 1939. Class 39.

375,742. THREAD. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed September 20, 1939. Serial No. 423,746. PUBLISHED NOVEMBER 21, 1939. Class 43.

375,743. ELECTRIC AUTOMOBILE AND MARINE LIGHTS, ELECTRIC STOP LIGHTS FOR USE ON VEHICLES, ELECTRIC SIGNAL LIGHTS FOR USE ON VEHICLES, ETC. THE KILBORN-SAUER COMPANY, Fairfield, Conn.
Filed September 20, 1939. Serial No. 423,761. PUBLISHED DECEMBER 19, 1939. Class 21.

375,744. ELECTRIC AUTOMOBILE AND MARINE LIGHTS, ELECTRIC STOP LIGHTS FOR USE ON VEHICLES. ELECTRIC SIGNAL LIGHTS FOR USE ON VEHICLES, ETC. THE KILBORN-SAUER COMPANY, Fairfield, Conn.
Filed September 20, 1939. Serial No. 423,764. PUBLISHED DECEMBER 19, 1939. Class 21.

375,745. ICE CUTTING MACHINES. THERMO CUBER COMPANY, INC., Chicago, Ill.
Filed September 20, 1939. Serial No. 423,780. PUBLISHED DECEMBER 19, 1939. Class 23.

375,746. PORTABLE GREASE GUNS. PRESSURELUBE, INC., New York, N. Y.
Filed September 21, 1939. Serial No. 423,828. PUBLISHED DECEMBER 19, 1939. Class 23.

375,747. LACQUER FOR RESURFACING RUBBER FOOTWEAR. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed September 21, 1939. Serial No. 423,833. PUBLISHED DECEMBER 19, 1939. Class 4.

375,748. LEATHER AND COMPARABLE STRAPS FOR TEXTILE MACHINERY. KISTLER, LESH & COMPANY, INCORPORATED, Boston, Mass.
Filed September 21, 1939. Serial No. 423,844. PUBLISHED DECEMBER 19, 1939. Class 23.

375,749. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed September 22, 1939. Serial No. 423,859. PUBLISHED DECEMBER 12, 1939. Class 43.

375,750. MEN'S NECKTIES AND SCARFS. WEMBLEY, INC., New Orleans, La.
Filed September 22, 1939. Serial No. 423,868. PUBLISHED DECEMBER 19, 1939. Class 39.

375,751. MEN'S NECKTIES AND SCARFS. WEMBLEY, INC., New Orleans, La.
Filed September 22, 1939. Serial No. 423,869. PUBLISHED DECEMBER 19, 1939. Class 39.

375,752. WINES. BEAULIEU VINEYARD, San Francisco, Calif.
Filed September 25, 1939. Serial No. 423,908. PUBLISHED DECEMBER 19, 1939. Class 47.

375,753. ELASTIC YARN. MOORE FABRIC COMPANY, Pawtucket, R. I.
Filed September 25, 1939. Serial No. 423,921. PUBLISHED NOVEMBER 28, 1939. Class 43.

375,754. PENETRATING OIL TO BE USED IN THE LUBRICATION OF RUSTED SURFACES AND REMOVAL OF RUST IN JOINTS. RUSSELL D. MULLENIX, Waterloo, Iowa.
Filed September 25, 1939. Serial No. 423,922. PUBLISHED DECEMBER 12, 1939. Class 15.

375,755. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed September 25, 1939. Serial No. 423,924. PUBLISHED DECEMBER 12, 1939. Class 43.

375,756. MACHINES FOR FILLING BOTTLES, JARS, CANS, AND LIKE CONTAINERS WITH FLUIDS, SUCH AS MILK. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed September 26, 1939. Serial No. 423,942. PUBLISHED DECEMBER 19, 1939. Class 23.

375,757. LAUNDRY WASHING MACHINES. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y.
Filed September 27, 1939. Serial No. 423,972. PUBLISHED DECEMBER 19, 1939. Class 24.

375,758. LAUNDRY WASHING MACHINES. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y.
Filed September 27, 1939. Serial No. 423,973. PUBLISHED DECEMBER 19, 1939. Class 24.

375,759. LAUNDRY WASHING MACHINES. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y.
Filed September 27, 1939. Serial No. 423,974. PUBLISHED DECEMBER 19, 1939. Class 24.

375,760. METALLIC HOLDER AND SUPPORT FOR MANIFOLD BOOKS. THE POTTER PRESS, Waltham, Mass.
Filed September 27, 1939. Serial No. 423,985. PUBLISHED DECEMBER 19, 1939. Class 37.

375,761. PILE DRIVERS. REINHOLD DORNFELD, doing business as Delmag-Maschinenfabrik Reinhold Dornfeld, Esslingen, Germany.
Filed September 27, 1939. Serial No. 423,994. PUBLISHED DECEMBER 19, 1939. Class 23.

375,762. THERMOHYDROMETERS, HYDROMETERS, AND FREEZING POINT TESTING DEVICES. LACEY-WEBBER CO., Kalamazoo, Mich.
Filed September 28, 1939. Serial No. 424,011. PUBLISHED DECEMBER 19, 1939. Class 26.

375,763. FILES AND RASPS. NICHOLSON FILE COMPANY G & H BARNETT DIVISION, Philadelphia, Pa., and Providence, R. I.
Filed September 29, 1939. Serial No. 424,056. PUBLISHED DECEMBER 19, 1939. Class 23.

375,764. COLUMN APPEARING PERIODICALLY IN NEWSPAPERS. CARLILE CRUTCHER, Louisville, Ky.
Filed October 2, 1939. Serial No. 424,121. PUBLISHED DECEMBER 5, 1939. Class 38.

375,765. RUBBER SLABS. JACOBS LEATHER COMPANY, Boston, Mass.
Filed October 2, 1939. Serial No. 424,131. PUBLISHED DECEMBER 19, 1939. Class 1.

375,766. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed October 3, 1939. Serial No. 424,185. PUBLISHED DECEMBER 12, 1939. Class 38.

375,767. PUBLICATION PUBLISHED THREE OR FOUR TIMES ANNUALLY. AMERICAN SOCIETY OF TOOL ENGINEERS, INC., Detroit, Mich.
Filed October 4, 1939. Serial No. 424,189. PUBLISHED DECEMBER 5, 1939. Class 38.

375,768. YARNS. BERKELEY L. HATHORNE, New York, N. Y.
Filed October 5, 1939. Serial No. 424,232. PUBLISHED DECEMBER 5, 1939. Class 43.

375,769. MOTOR OIL. MACMILLAN & CAMERON CO., Wilmington, N. C.
Filed October 5, 1939. Serial No. 424,237. PUBLISHED DECEMBER 5, 1939. Class 15.

375,770. LUBRICATING OILS. EDWARD H. K. SANXAY, doing business as E. H. Kellogg & Company, New York, N. Y.
Filed October 5, 1939. Serial No. 424,244. PUBLISHED DECEMBER 5, 1939. Class 15.

375,771. MAGAZINE SECTION OF A NEWSPAPER. DAILY MIRROR, INC., New York, N. Y.
Filed October 6, 1939. Serial No. 424,258. PUBLISHED DECEMBER 12, 1939. Class 38.

375,772. FRONT BRAKE PLATE AND RADIUS ARM TENSION SPRINGS, AND FOOT PEDAL EXTENSION ATTACHMENTS FOR SECURING NORMAL CLUTCH OPERATION, ALL FOR MOTOR VEHICLES. AUTOMOTIVE IMPROVEMENT CO., INC., Manteno, Ill.
Filed October 7, 1939. Serial No. 424,289. PUBLISHED DECEMBER 19, 1939. Class 19.

375,773. MONTHLY PRINTED PERIODICAL OR TRADE PAPER. BILL BROTHERS PUBLISHING CORPORATION, New York, N. Y.
Filed October 7, 1939. Serial No. 424,290. PUBLISHED DECEMBER 5, 1939. Class 38.

375,774. LUBRICATING GREASES. THE TEXAS COMPANY, New York, N. Y.
Filed October 7, 1939. Serial No. 424,317. PUBLISHED DECEMBER 5, 1939. Class 15.

375,775. MAGAZINE ISSUED FROM TIME TO TIME. KLEIN & GOODMAN, Philadelphia, Pa.
Filed October 9, 1939. Serial No. 424,359. PUBLISHED DECEMBER 5, 1939. Class 38.

375,776. GLOVES OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y.
Filed October 10, 1939. Serial No. 424,393. PUBLISHED DECEMBER 19, 1939. Class 39.

375,777. CORSETS. FRANCO CORSET COMPANY, New York, N. Y.
Filed October 11, 1939. Serial No. 424,425. PUBLISHED DECEMBER 19, 1939. Class 39.

375,778. CARTOON STRIPS. WILLIAM H. MYLES, doing business as Billy Bugg Enterprises, Chicago, Ill.
Filed October 11, 1939. Serial No. 424,434. PUBLISHED DECEMBER 19, 1939. Class 38.

375,779. DIAMONDS AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed October 11, 1939. Serial No. 424,449. PUBLISHED DECEMBER 19, 1939. Class 28.

375,780. NEWSPAPER. WOMEN'S WEAR COMPANY, New York, N. Y.
Filed October 11, 1939. Serial No. 424,451. PUBLISHED DECEMBER 19, 1939. Class 38.

375,781. WINDOW CLEANING PREPARATION. CHAPMAN & RODGERS, INC., Philadelphia, Pa.
Filed October 12, 1939. Serial No. 424,463. PUBLISHED DECEMBER 19, 1939. Class 4.

375,782. COMPUTING CARD DEVICE FOR MENSTRUATION PERIODS. JOHN CWIEKALO, Iselin, N. J.
Filed October 12, 1939. Serial No. 424,470. PUBLISHED DECEMBER 19, 1939. Class 38.

375,783. PUBLICATION ISSUED FROM TIME TO TIME. JOSEPH W. SCHLOSSER, Grayslake, Ill.
Filed October 12, 1939. Serial No. 424,498. PUBLISHED DECEMBER 19, 1939. Class 38.

375,784. SALTED WAFERS AND GRAHAM CRACKERS. SUPERIOR BISCUIT CO, Los Angeles, Calif.
Filed October 14, 1939. Serial No. 424,565. PUBLISHED DECEMBER 19, 1939. Class 46.

375,785. SEWING MACHINES. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio.
Filed October 16, 1939. Serial No. 424,609. PUBLISHED DECEMBER 19, 1939. Class 23.

375,786. SEWING MACHINES. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio.
Filed October 16, 1939. Serial No. 424,610. PUBLISHED DECEMBER 19, 1939. Class 23.

375,787. LIQUID PREPARATION FOR HARDENING, WATERPROOFING, AND ACCELERATING THE SETTING OF PORTLAND CEMENT. INSURO CHEMICAL COMPANY, Lawrence, Mass.
Filed October 17, 1939. Serial No. 424,624. PUBLISHED DECEMBER 19, 1939. Class 12.

375,788. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. SPORTS VOGUE INC., New York, N. Y.
Filed October 17, 1939. Serial No. 424,628. PUBLISHED DECEMBER 19, 1939. Class 28.

375,789. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed October 18, 1939. Serial No. 424,672. PUBLISHED DECEMBER 19, 1939. Class 38.

375,790. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed October 18, 1939. Serial No. 424,673. PUBLISHED DECEMBER 19, 1939. Class 38.

375,791. FRESH CITRUS FRUITS. SEQUOIA CITRUS ASSOCIATION, Lemon Cove, Calif.
Filed October 21, 1939. Serial No. 424,788. PUBLISHED DECEMBER 19, 1939. Class 46.

375,792. HISTORICAL MONTHLY NEWS MAGAZINE. EARLE FREDERICK-SON, Seattle, Wash.
Filed October 23, 1939. Serial No. 424,799. PUBLISHED DECEMBER 19, 1939. Class 38.

375,793. CANNED WATERMELON JUICE FOR FOOD PURPOSES. MELTZER & WIGTON, Philadelphia, Pa.
Filed October 23, 1939. Serial No. 424,815. PUBLISHED DECEMBER 19, 1939. Class 46.

375,794. COMBED YARN. GASTONIA COMBED YARN CORPORATION, Gastonia, N. C.
Filed October 25, 1939. Serial No. 424,874. PUBLISHED DECEMBER 12, 1939. Class 43.

375,795. FIFES, FLAGEOLETTES, METAL FLUTES, AND WHISTLES. THE FRED GRETSCH MANUFACTURING CO., New York, N. Y.
Filed October 25, 1939. Serial No. 424,876. PUBLISHED DECEMBER 19, 1939. Class 36.

375,796. OLEOMARGARINE. THE CHURNGOLD CORPORATION, Cincinnati, Ohio.
Filed October 26, 1939. Serial No. 424,902. PUBLISHED DECEMBER 19, 1939. Class 46.

375,797. POLISHES AND WAXES FOR POLISHING FURNITURE, WALLS, FLOORS, AND AUTOMOBILES. O-CEDAR CORP'N, Chicago, Ill.
Filed October 26, 1939. Serial No. 424,927. PUBLISHED DECEMBER 19, 1939. Class 16.

375,798. CANNED DOG AND CAT FOOD. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J.
Filed October 27, 1939. Serial No. 424,970. PUBLISHED DECEMBER 19, 1939. Class 46.

375,799. ELECTRICAL CONTROL APPARATUS, ELECTRICAL MACHINES, AND ELECTRICAL SUPPLIES CONSISTING OF: CONTROLLERS FOR DYNAMO-ELECTRIC MACHINES, ETC. CUTLER-HAMMER, INC., Milwaukee, Wis.
Filed October 28, 1939. Serial No. 424,996. PUBLISHED DECEMBER 19, 1939. Class 21.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

375,800. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 12, 1936. Serial No. 386,697.

RINSINK

For Sinks.
Claims use since Nov. 3, 1936.

375,801. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AIRPOPS-IT, INCORPORATED, Chicago, Ill. Filed Feb. 14, 1938. Serial No. 402,996.

AIRPOPS-IT

For Popcorn Popped or Processed and in the Natural State.
Claims use since Jan. 17, 1938.

375,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARROON PACKING CORPORATION, Fowler, Ind. Filed Oct. 3, 1938. Serial No. 411,210.

TINY SWEET BRAND

For Canned Corn.
Claims use since June 15, 1937.

375,803. (CLASS 39. CLOTHING.) BETMAR HATS, INC., New York, N. Y. Filed Nov. 26, 1938. Serial No. 413,178.

THE Skol-Cap

For Women's, Misses', and Children's Hats.
Claims use since Sept. 15, 1938.

375,804. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOWARD A. HOLBROOK, doing business as The Hot Wire Company, Shorewood, Wis. Filed Dec. 3, 1938. Serial No. 413,444.

HOT WIRE

For Electric Controller for Controlling Electric Supply to Fences or Fence Wire.
Claims use since Oct. 3, 1938.

375,805. (CLASS 12. CONSTRUCTION MATERIALS.) WEST COAST KALSOMINE COMPANY, Berkeley, Calif. Filed Dec. 12, 1938. Serial No. 413,748.

SMOOTHAWAL

For Spachtling Compounds for Building Up Surface Irregularities in Walls and the Like.
Claims use since January, 1938.

375,806. (CLASS 39. CLOTHING.) SUSSBERG & FEINBERG, INC., New York, N. Y. Filed Dec. 13, 1938. Serial No. 413,804.

Giftcette "She Adores"

For Women's and Misses' Lingerie—Namely, Slips, Brassières, Panties, Pajamas, and Nightgowns.
Claims use since Dec. 7, 1938.

375,807. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Jan. 13, 1939. Serial No. 414,778.

THE GRAHAM BLADE

For Safety Razor Blades.
Claims use since Jan. 4, 1939.

375,808. (CLASS 38. PRINTS AND PUBLICATIONS.) METROPOLITAN CREDIT, INC., Cleveland, Ohio. Filed Jan. 20, 1939. Serial No. 415,048.

STUDENT FINANCE PLAN

For Advertising Material Sold as Such to the Trade—Namely, Correspondence Folders, Letters, Circulars and Pamphlets.
Claims use since January 8, 1939.

375,809. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ROLANDELLI CO., San Francisco, Calif. Filed Jan. 23, 1939. Serial No. 415,140.

Johnnie Moore's

For Whiskey.
Claims use since Jan. 5, 1939.

375,810. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BROWN BROS., Utica, N. Y. Filed Jan. 27, 1939. Serial No. 415,316.

HODAR

For Blankets, Sheets, Pillow Cases, Bed Spreads, Silk and Lace Curtains, Linen Sets, Linens of All Kinds, Lace Table Cloths.
Claims use since Nov. 1, 1938.

375,811. (CLASS 39. CLOTHING.) WECO PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 2, 1939. Serial No. 415,532.

SNOODET

For Hair Nets.
Claims use since Dec. 6, 1938.

375,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. LICHTENSTEIN CO., INC., also doing business as Leading Brands, Atlanta, Ga. Filed Feb. 6, 1939. Serial No. 415,655.

GAINSBOROUGH

For Canned Fruits, Canned Vegetables, and Canned Vegetable Juices.
Claims use since Jan. 10, 1939.

375,813. (CLASS 12. CONSTRUCTION MATERIALS.) FIR DOOR INSTITUTE, Tacoma, Wash. Filed Mar. 20, 1939. Serial No. 417,273.

TRU-FIT

For Douglas Fir Doors.
Claims use since Oct. 31, 1938.

375,814. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BUFFALO BREWING COMPANY, Sacramento, Calif. Filed May 8, 1939. Serial No. 419,177.

CERVEZA JALISCO

For Beer.
Claims use since Dec. 15, 1938.

375,815. (CLASS 11. INKS AND INKING MATERIALS.) KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed May 19, 1939. Serial No. 419,579.

Dri Kleen

For Carbon Papers and Typewriter Ribbons.
Claims use since Nov. 1, 1937.

375,816. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) OTTMAR M. KREMBS, doing business as Krembs & Co., Chicago, Ill. Filed June 21, 1939. Serial No. 420,769.

KOP-R-ARC

For Coated and Uncoated Alloy Electrodes Containing Copper and Used for Arc and Electric Welding.
Claims use since Oct. 15, 1938.

375,817. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) S. Q. SHANNON, doing business as Packard Piston Ring Company, Los Angeles, Calif. Filed July 1, 1939. Serial No. 421,203.

PACK-STEEL

For Piston Rings.
Claims use since January, 1938.

375,818. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCHWARZE ELECTRIC COMPANY, Adrian, Mich. Filed July 7, 1939. Serial No. 421,355.

FARADAY

For the Following Electrical Goods—Chimes; Bells; Buzzers; Gongs; Sirens; Howlers; Horns, With and Without Projectors; Alarm and Sight Signals; Fuses; Battery Eliminators; Transformers; Electric Control Panels; Relays; Bell and Chime Tappers; Outlet Boxes; Push Buttons; Elevator Signal Systems; Electric Door Locks and Releases and Systems Embodying the Same; Switches and Signals for Operating Fire Detectors; Electric Motors With Sequence and Indicator Controls; Switches and Mountings; and Parts of the Foregoing Equipment, Installations, and Devices, Together With Repair and Supply Parts Therefor, as Well as Parts Thereof.
Claims use since 1914.

375,819. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEEL & COMPANY, INC., Philadelphia, Pa. Filed Sept. 13, 1939. Serial No. 423,565.

"RE-NU-KOTE"

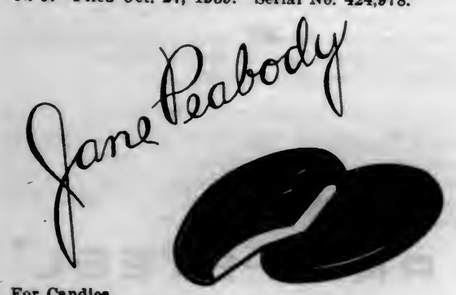
For Paint Specially Adapted for Tires and Other Rubber Surfaces.
Claims use since Jan. 9, 1938.

375,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED BISCUIT COMPANY, INCORPORATED, doing business as The Hampton Cracker Company, Incorporated, Chicago, Ill., and Louisville, Ky. Filed Oct. 24, 1939. Serial No. 424,838.

HAMPTON'S
JOY *Biscuits*

For Soda Crackers or Biscuits.
Claims use since February, 1930.

375,821. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TERRY CANDY COMPANY, INC., Elizabeth, N. J. Filed Oct. 27, 1939. Serial No. 424,978.



For Candies.
Claims use since Oct. 1, 1938.

375,822. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAJU HOLDING CO., INC., North Hackensack, N. J. Filed Nov. 24, 1939. Serial No. 425,931.

Steak-Stix

For Electric Broilers and for Skewers Especially Suitable to These Electric Broilers.
Claims use since March, 1933.

375,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN L. PLOCK, New York, N. Y. Filed Dec. 16, 1939. Serial No. 426,588.

SHELTER ISLAND
OYSTER
GREENPORT, N.Y.

For Packed Oysters.
Claims use since October, 1936.

375,824. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed Jan. 2, 1940. Serial No. 427,056.

Multi-Panel

For Automatic Endless-Chain Impingement or Open Baffle Type of Ventilating Units.
Claims use since Jan. 4, 1929.

TRADE-MARK REGISTRATIONS RENEWED

127,306. **ALBRECHT ETC.** CERTAIN NAMED FURS FOR PERSONAL WEAR. Registered November 11, 1919. OTTO E. ALBRECHT. Renewed November 11, 1939, to E. Albrecht & Son Co., St. Paul, Minn., a corporation of Minnesota, successor.

127,310. **ECONOMY.** SEEDS. Registered November 11, 1919. AMERICAN MUTUAL SEED COMPANY. Renewed November 11, 1939, to The American Field Seed Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

127,311. **UNIVERSAL.** SEEDS. Registered November 11, 1919. AMERICAN MUTUAL SEED COMPANY. Renewed November 11, 1939, to The American Field Seed Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

129,113. **PINNACLE.** SEEDS. Registered January 27, 1920. AMERICAN MUTUAL SEED COMPANY. Renewed January 27, 1940, to American Field Seed Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

129,114. **CYCLONE.** A GRATE-BAR FOR USE WITH FURNACES AND STOVES. Registered January 27, 1920. CYCLONE GRATE-BAR CO., Buffalo, N. Y., a corporation of New York. Renewed January 27, 1940.

129,204. **THURBER.** CANNED FRUITS AND CANNED VEGETABLES. Registered January 27, 1920. ALFRED PUTNAM & COMPANY. Renewed January 27, 1940, to Jose S. Gestal, doing business as Alfred Putnam & Co., New York, N. Y., successor.

129,261. **CUMAR.** Resin. Registered February 10, 1920. THE BARRETT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 10, 1940.

129,345. **CRESCENT CITY.** COFFEE. Registered February 17, 1920. CRESCENT COFFEE MILLS, INC., New Orleans, La. Renewed February 17, 1940, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey, successor.

129,349. **DEVOE.** CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered February 17, 1920. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y., a corporation of New York. Renewed February 17, 1940.

129,386. **POST'S.** CORN-FLOUR. Registered February 17, 1920. POSTUM CEREAL COMPANY, Battle Creek, Mich. Renewed February 17, 1940, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

129,404. **TEXLITE.** KEROSENE-OIL. Registered February 17, 1920. THE TEXAS COMPANY, Houston, Tex. Renewed February 17, 1940, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

129,575. **AMERICAN FRUIT GROWER.** A MONTHLY PUBLICATION. Registered March 9, 1920. AMERICAN FRUIT GROWER CO. INC., Chicago, Ill., and Charlottesville, Va. Renewed March 9, 1940, to American Fruit Grower Publishing Company, Cleveland, Ohio, a corporation of Ohio, successor.

130,166. **COMMONWEALTH.** CERTAIN NAMED CRADLES, PILOT-BEAMS, END SILLS, WHEEL-CENTERS, TRUCK-FRAMES, PILOTS, AND ASH-PANS. Registered April 13, 1920. COMMONWEALTH STEEL COMPANY, St. Louis, Mo. Renewed April 13, 1940, to General Steel Castings Corporation, Eddystone, Pa., a corporation of Delaware, assignee by mesne assignments.

130,192. **O AND G.** RUBBER BELTING, DUCK BELTING, RUBBER AND DUCK HOSE, RUBBER MACHINERY PACKING, FLAX MACHINERY PACKING, AND ASBESTOS MACHINERY PACKING. Registered April 13, 1920. IMPERIAL BELTING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 13, 1940.

130,510. **SEA ISLAND.** CANNED PINEAPPLES. Registered April 27, 1920. HAWAIIAN PINEAPPLE COMPANY, LIMITED, Iwilei and Honolulu, Territory of Hawaii. Renewed April 27, 1940, to Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii, assignee.

130,680. **COMMONWEALTH.** CERTAIN NAMED RAILWAY CARS AND PARTS THEREOF. Registered May 4, 1920. COMMONWEALTH STEEL COMPANY, St. Louis, Mo. Renewed May 4, 1940, to General Steel Castings Corporation, Eddystone, Pa., a corporation of Delaware, assignee by mesne assignments.

130,744. **PLOWMAN.** OVERALLS AND JACKETS. Registered May 4, 1920. HAPP BROTHERS CO. Renewed May 4, 1940, to Happ Brothers Company, Macon, Ga., a firm, successor.

130,802. **L, ETC.** PLOWS AND PARTS THEREOF. Registered May 4, 1920. LYNCHBURG FOUNDRY COMPANY, Lynchburg, Va., a corporation of Virginia. Renewed May 4, 1940.

130,927. **SARIVAL.** BALED COTTON. Registered May 4, 1920. SOUTHWEST COTTON COMPANY, Phoenix, Ariz., a corporation of Arizona. Renewed May 4, 1940.

131,328. **RADIALAX.** FLUID-PRESSURE-OPERATED DRILLING-MACHINES. Registered May 11, 1920. INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 11, 1940, to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey.

131,366. **A SHIELD, ETC.** MINERAL AND AERATED WATERS, NATURAL AND ARTIFICIAL. Registered May 11, 1920. W. A. ROSS & SONS, LIMITED, Belfast, Ireland, a corporation of Great Britain. Renewed May 11, 1940.

131,528. **LAMSON & GOODNOW MFG. CO.** CERTAIN NAMED STEEL KNIVES. Registered May 18, 1920. LAMSON AND GOODNOW MANUFACTURING COMPANY, Shelburne Falls, Mass., a corporation of Massachusetts. Renewed May 18, 1940.

131,632. **SWIFT'S GROMEAL.** HOG FEED. Registered May 18, 1920. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 18, 1940.

131,649. **UNION.** METAL FOUNDRY-FLASKS, BOTTOM BOARDS FOR FOUNDRY-FLASKS, AND CORE-PLATES. Registered May 18, 1920. THE UNION METAL MANUFACTURING COMPANY, Canton, Ohio, a corporation of Ohio. Renewed May 18, 1940.

131,696. **DORRINGTON.** PAPETERIE-PAPERS. Registered May 25, 1920. AMERICAN WRITING PAPER COMPANY. Renewed May 25, 1940, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware, assignee by mesne assignments.

131,697. **ACCEPTANCE BOND.** WRITING AND PRINTING PAPER. Registered May 25, 1920. AMERICAN WRITING PAPER COMPANY. Renewed May 25, 1940, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware, assignee by mesne assignments.

131,707. **W, ETC.** FILTER-PAPER. Registered May 25, 1920. W. & R. BALSTON, LIMITED, Maidstone, England, a corporation of Great Britain. Renewed May 25, 1940.

131,713. **B. G.** SPARK-PLUGS. Registered May 25, 1920. THE BREWSTER-GOLDSMITH CORP. INC. Renewed May 25, 1940, to The B. G. Corporation, New York, N. Y., a corporation of New York, by change of name.

132,141. **TRUSTY.** SNAP-FASTENERS AND PLACKET-FASTENERS. Registered June 15, 1920. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed June 15, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

132,165. **LUBRISEAL.** GREASE FOR STOPCOCKS AND THE LIKE. Registered June 15, 1920. WALTER H. HART. Renewed June 15, 1940, to Arthur H. Thomas Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

132,242. **SENGBUSCH.** INKSTANDS AND INKWELLS. Registered June 15, 1920. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 15, 1940.

132,350. **DEARBORN.** LUBRICATING-OILS AND LUBRICATING-GREASES. Registered June 22, 1920. DEARBORN CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 22, 1940.

132,445. **C-S-Z.** MEDICINAL PREPARATIONS FOR EXTERNAL USE IN SKIN DISEASES, AND FOR PREVENTING CHAFING AND SKIN IRRITATION. Registered June 22, 1920. MCKESSON & ROBBINS INC. Renewed June 22, 1940, to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., assignee.

132,446. **MUSTA-CREME.** MEDICINAL PREPARATIONS FOR EXTERNAL USE FOR THE TREATMENT OF CERTAIN NAMED AILMENTS. Registered June 22, 1920. MCKESSON & ROBBINS INC. Renewed June 22, 1940, to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., assignee.

132,447. **CIN-U-FORM.** MEDICINAL PREPARATIONS FOR GERMICIDAL PURPOSES, AND FOR TREATMENT OF MINOR AFFECTIONS OF THROAT AND MOUTH. Registered June 22, 1920. MCKESSON & ROBBINS INC. Renewed June 22, 1940, to William J. WARDALL, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., assignee.

132,448. **MOSQUITONE.** PREPARATIONS FOR REPELLING MOSQUITOS AND HEALING THEIR BITES. Registered June 22, 1920. MCKESSON & ROBBINS INC. Renewed June 22, 1940, to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., assignee.

132,449. **SULFARILLA.** MEDICINAL PREPARATIONS FOR CERTAIN SKIN DISORDERS AND AS A BLOOD-PURIFIER. Registered June 22, 1920. MCKESSON & ROBBINS INC. Renewed June 22, 1940, to William J. Wardall, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y., assignee.

132,484. **DELTA.** ALLOYS OF COPPER, TIN, AND ZINC AND PHOSPHOR-BRONZE IN INGOTS, CASTINGS, AND FINISHED FORMS. Registered June 22, 1920. THE PHOSPHOR BRONZE SMELTING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,485. **ELEPHANT.** ALLOYS OF COPPER, TIN, AND ZINC AND PHOSPHOR-BRONZE IN INGOTS, CASTINGS, AND FINISHED FORMS. Registered June 22, 1920. THE PHOSPHOR BRONZE SMELTING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 22, 1940.

132,520. **IDEAL.** SANITARY MOISTENERS FOR GUMMED SURFACES. Registered June 22, 1920. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 22, 1940.

132,560. **T K O.** LIFTING-JACKS. Registered June 22, 1920. TEMPLETON, KENLY & CO., LTD., Chicago, Ill., a corporation of Illinois. Renewed June 22, 1940.

132,647. **HI-LITE.** KEROSENE. Registered June 29, 1920. H. EARL CLACK COMPANY, Havre, Mont., a corporation of Montana. Renewed June 29, 1940.

132,648. **OAK LEAF.** A COATED RELIEF OVERLAY-PAPER FOR USE IN PREPARING OVERLAYS AND UNDERLAYS FOR PRINTING-FORMS. Registered June 29, 1920. A. M. COLLINS MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 29, 1940.

132,649. **OAK LEAF.** PRINTING-INK FOR USE WITH AN OVERLAY-PAPER. Registered June 29, 1920. A. M. COLLINS MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 29, 1940.

132,650. **OAK LEAF.** ETCHING-POWDER. Registered June 29, 1920. A. M. COLLINS MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 29, 1940.

132,651. **OAK LEAF.** COATED CARDBOARD, BRISTOLBOARD, AND COATED PAPERS. Registered June 29, 1920. A. M. COLLINS MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 29, 1940.

132,677. **SHURSNAP.** SNAP-FASTENERS AND PLACKET-FASTENERS. Registered June 29, 1920. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed June 29, 1940, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

132,764. **OHIO.** CERTAIN NAMED OILS AND GREASES. Registered June 29, 1920. THE OHIO GREASE COMPANY, Loudonville, Ohio, a corporation of Ohio. Renewed June 29, 1940.

132,881. **ALMCO.** CERTAIN NAMED ELECTRICALLY-LIGHTED LAMPS, TORCHÈRES, LANTERNS, AND CANDELABRA. Registered July 6, 1920. ART LAMP MFG. CO. Renewed July 6, 1940, to Art Lamp Corporation, Chicago, Ill., a corporation of Illinois, assignee.

133,088. **GEORGE L. WERNET D. D. L.** POWDER FOR FALSE TEETH. Registered July 6, 1920. GEORGE L. WERNET, Philadelphia, Pa. Renewed July 6, 1940, to Wernet Dental Mfg. Co., Inc., Jersey City, N. J., a corporation of Delaware, assignee.

133,130. **MOLDOCHIL.** MOLDERS' NAILS USED IN METAL FOUNDRIES. Registered July 13, 1920. THE FOWLER NAIL CO., Seymour, Conn., assignor to The Fowler & Union Horse Nail Company, New Haven, Conn. Renewed July 13, 1940, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut, assignee.

133,147. **IMPERIAL.** CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. Registered July 13, 1920. INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Renewed July 13, 1940, to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey.

133,175. **AN ELEPHANT.** ALLOYS OF COPPER, TIN, AND ZINC AND PHOSPHOR-BRONZE IN INGOTS, CASTINGS, AND FINISHED FORMS. Registered July 13, 1920. The Phosphor Bronze Smelting Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 13, 1940.

LABELS

REGISTERED FEBRUARY 27, 1940

54,298.—*Title:* IVY-NOX. For a Lotion. JOSEPH WALTER ADAMS & SON LABS., Los Angeles, Calif. Published December 19, 1939.

54,299.—*Title:* THE ALTON SHOE. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published January 26, 1940.

54,300.—*Title:* DIAMOND LINIMENT. For a Liniment. CALIFORNIA REPTILE FARM, Berkeley, Calif. Published December 11, 1939.

54,301.—*Title:* DIAMOND SALVE. For a Salve. CALIFORNIA REPTILE FARM, Berkeley, Calif. Published December 11, 1939.

54,302.—*Title:* DIAMOND LINIMENT. For Liniment. CALIFORNIA REPTILE FARM, Berkeley, Calif. Published December 11, 1939.

54,303.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published December 15, 1939.

54,304.—*Title:* NEW! . . . 5 MINUTE CREAM OF WHEAT. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published November 13, 1939.

54,305.—*Title:* NEW! . . . 5 MINUTE CREAM OF WHEAT. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published December 18, 1939.

54,306.—Title: ZERO PLUS. For a Game. ELECTRIC GAME CO., Holyoke, Mass. Published January 22, 1940.

54,307.—*Title:* HAWAIIAN POYO CHOCOLATE MALT. For a Chocolate Malt Consisting of Fresh Dehydrated Poi, Sugar, Cocoa, Malt, Salt, and Artificial Flavor. THE GALEN COMPANY, INC., Berkeley, Calif. Published December 13, 1939.

54,308.—*Title:* DESIGN 211 B. For Butter. GAYLORD CONTAINER CORPORATION, St. Louis, Mo. Published December 30, 1939.

54,309.—*Title:* EMBO. For a Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published December 23, 1939.

54,310.—*Title:* MOLASSES PEANUT POP. For a Combination or Mixture of Molasses, Peanuts, and Popcorn with other Ingredients. E. F. KEMP, INC., Somerville, Mass. Published November 27, 1939.

54,311.—*Title:* CALIFORNIA AVOCADOS. For Avocados. LA HABRA HEIGHTS AVOCADO ASSN., La Habra, Calif. Published December 18, 1939.

54,312.—*Title:* MARKWELL 5000 STANDARD STAPLES. For Staples. MARKWELL MFG. CO., INC., New York, N. Y. Published January 17, 1940.

54,313.—*Title:* WILD LIFE IN THE KITCHEN. For Canned Whole Pheasant. SAMUEL MARTIN, Seattle, Wash. Published November 22, 1939.

54,314.—*Title:* 10-M-TO INSURE THE UTMOST SATISFACTION AND SERVICE FROM YOUR PRINTED OR SATIN ELASTIC SWIM SUIT. For Bathing Suits. NATIONAL KNITTED OUTERWEAR ASSOCIATION, New York, N. Y. Published December 6, 1939.

54,315.—*Title:* LUCKY GO-BO HINDU STYLE INCENSE. For Incense. MORTON G. NEUMANN, doing business as Famous Products Company, Chicago, Ill. Published December 2, 1939.

54,316.—*Title:* CANE RIVER. For Cane Syrup. J. D. PLIAR CO., Shreveport, La. Published September 15, 1939.

54,317.—*Title:* THE WORLD'S MOST COMFORTABLE OVERALL. For Overalls. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Published May 6, 1938.

54,318.—*Title:* CROSS-NUMBER. For a Card Game. RUSSELL MANUFACTURING COMPANY, Leicester, Mass. Published November 1, 1939.

54,319.—*Title:* CRIB-INO. For a Card Game. RUSSELL MANUFACTURING COMPANY, Leicester, Mass. Published November 1, 1939.

54,320.—*Title:* ROYAL. For Imitation Orange Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 27, 1939.

54,321.—*Title:* ROYAL. For Imitation Orange Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,322.—*Title:* ROYAL. For Imitation Lemon Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 27, 1939.

54,323.—*Title:* ROYAL. For Imitation Lemon Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,324.—*Title:* ROYAL. For Imitation Lime Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 27, 1939.

54,325.—*Title:* ROYAL. For Imitation Lime Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,326.—*Title:* ROYAL. For Imitation Strawberry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 27, 1939.

54,327.—*Title:* ROYAL. For Imitation Strawberry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,328.—*Title:* ROYAL. For Imitation Raspberry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 27, 1939.

54,329.—*Title:* ROYAL. For Imitation Raspberry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,330.—*Title:* ROYAL. For Imitation Cherry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED. New York, N. Y. Published December 27, 1939.

54,331.—*Title:* ROYAL. For Imitation Cherry Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,332.—*Title:* ROYAL. For Imitation Pineapple Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 27, 1939.

54,333.—*Title:* ROYAL. For Imitation Pineapple Flavor Gelatin Dessert. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 5, 1940.

54,334.—*Title:* STANLANE ORIGINAL MEASURED CUBES. For Cubes for Cleaning Carpets, Drapery, Fabrics, Upholstered Furniture, Lamp Shades, Imitation Leather, etc. and for Washing Painted Surfaces, Woodwork, Venetian Blinds, Window Shades, Linoleum, Tile, Marble, Chromium, Glassware, etc. GERTRUDE STANTON, doing business as Stanlane Company, Chicago, Ill. Published December 27, 1939.

54,335.—*Title:* YE JOHN ALDEN & PRISCILLA LOAF. For Bread. MARK D. STILES, doing business as Stiles Groves, Mount Vernon, N. Y. Published November 2, 1939.

54,336.—*Title:* SYLOX MEDICINAL POWDER FOR THE SKIN. For a Medicinal Powder for the Skin. SYLOX CORPORATION, Stamford, Conn., and New York, N. Y. Published July 5, 1939.

54,337.—*Title:* UP AND UP SELF RISING CAKE FLOUR. For a Self-Rising Cake Flour. GEORGE URBAN MILLING CO., Buffalo, N. Y. Published December 15, 1939.

LABELS RENEWED

16,471. **GOLDEN SUN TEA.** TEA. Registered July 16, 1912. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed June 17, 1940.

PRINTS

REGISTERED FEBRUARY 27, 1940

17,843.—*Title:* MEAL WORM INCUBATOR MEAL WORMS. For Meal Worm Incubators and Meal Worms. ST. ELMO ABERNATHY, Berkeley, Calif. Published October 26, 1939.

17,844.—*Title:* UNUSUAL GOODWILL OFFER. For Pottery Baking Dishes, Dinnerware and Rolling Pins. COULTER-JENNINGS & CO., Detroit, Mich. Published November 2, 1939.

17,845.—*Title:* THE GREATEST NAME IN TELEVISION IS THE NEWEST NAME IN RADIO. For Radios and Radio-Phonograph Combinations. FARNSWORTH TELEVISION AND RADIO CORPORATION, Fort Wayne, Ind. Published October 25, 1939.

17,846.—*Title:* FILLING A LONG FELT NEED IN THE WORLD OF MUSIC THE NEW CAPEHART-PANAMUSE. For Phonograph-Radio Combinations. FARNSWORTH TELEVISION AND RADIO CORPORATION, Fort Wayne, Ind. Published September 28, 1939.

17,847.—*Title:* MUSIC FOR A MAHARAJA'S PALACE. For Phonograph-Radio Combinations. FARNSWORTH TELEVISION AND RADIO CORPORATION, Fort Wayne, Ind. Published November 16, 1939.

17,848.—*Title:* IVORYNE PEROXIDE GUM. For a Peroxide Gum for Whitening the Teeth. GUM LABORATORIES, INC., Clifton Heights, Pa. Published December 26, 1939.

17,849.—*Title:* A BARTENDERS' CHOICE. For Puerto Rican Rum. P. R. MONGE, New York, N. Y. Published January 8, 1940.

17,850.—*Title:* WHAT SHE NEEDS IS A NOURISHING, EASILY DIGESTED BREAKFAST EVERY DAY—PILLSBURY'S FARINA. For Farina. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published December 5, 1939.

17,851.—*Title:* EACH AND EVERY ONE OF OUR PERFORMERS EATS PILLSBURY'S FARINA FOR BREAKFAST. For Farina. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published December 5, 1939.

17,852.—*Title:* OH YES, AND A PACKAGE OF PILLSBURY'S FARINA. For Farina. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published December 5, 1939.

17,853.—*Title:* ALL MY CHILDREN JUST LOVE PILLSBURY'S FARINA. For Farina. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published December 5, 1939.

17,854.—*Title:* TURKNIT BUNNY. For Wash Cloths. PUTNAM KNITTING CO., Cohoes, N. Y. Published January 8, 1940.

17,855.—*Title:* TURKNIT. For Wash Cloths. PUTNAM KNITTING CO., Cohoes, N. Y. Published January 8, 1940.

17,856.—*Title:* STANLANE ORIGINAL MEASURED CUBE. For a Cleaner for Fabrics and Painted Surfaces. GERTRUDE STANTON, doing business as Stanlane Company, Chicago, Ill. Published December 27, 1939.

REISSUES

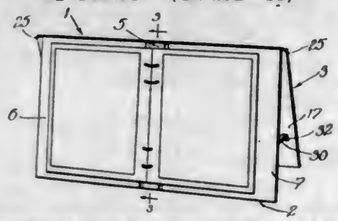
FEBRUARY 27, 1940

21,371
PORTABLE DISPLAYER

Arthur M. Barrett, Winnetka, Ill., assignor to The Barrett Bindery Co., Chicago, Ill., a corporation of Illinois

Original No. 2,159,612, dated May 23, 1939, Serial No. 216,537, June 29, 1938. Application for reissue November 8, 1939, Serial No. 303,372

11 Claims. (Cl. 281—33)



10. A display binder comprising inner and outer cover sections, each section consisting of a pair of hingedly connected panels, means hingedly connecting the upper edges of said sections together, means secured to the associated inner and outer cover sections for limiting the swinging movement of the outer cover section relative to the inner cover section, and sheet supporting means carried on and permanently associated with said inner cover section.

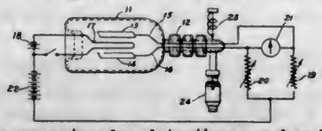
21,372
APPARATUS FOR THE DETECTION OF DISPLACEMENTS

Ross Gunn, Washington, D. C.

Original No. 2,155,420, dated April 25, 1939, Serial No. 114,112, December 4, 1936. Application for reissue December 12, 1939, Serial No. 308,884

8 Claims. (Cl. 177—351)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for detecting mechanical displacements comprising in combination an envelope enclosing at least three electrodes, at least one of which is electron emissive and at least one of which is movable, means responsive to the mechanical displacement to be detected for imparting movement to at least the movable electrode, and means associated with said electrodes for indicating any detected displacement.

21,373
CATALYTIC FORMATION OF LONG-CHAIN ALDEHYDES

Wilbur A. Lazier, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,178,761, dated November 7, 1939, Serial No. 27,375, June 19, 1935. Application for reissue January 5, 1940, Serial No. 312,620

15 Claims. (Cl. 260—603)

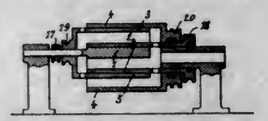
1. A process for the dehydrogenation of an aliphatic long-chain primary alcohol to the corresponding aldehyde which comprises the step of bringing said alcohol into contact with a catalyst comprising a dehydrogenating metal intimately associated with chromium sesqui-oxide at a pressure less than 50 atmospheres and at a temperature within the range of 50° and 450° C., said temperature being sufficiently elevated to cause the evolution of hydrogen.

21,374
GEAR MECHANISM

René Joseph Louis Moineau, Paris, France, assignor to Société d'Exploitation des Brevets Moineau, Luxemburg, Grand Duchy of Luxemburg, a corporation of Luxemburg

Original No. 2,085,115, dated June 29, 1937, Serial No. 16,959, April 18, 1935. Application for reissue September 23, 1938, Serial No. 231,424. In Morocco May 2, 1934

12 Claims. (Cl. 74—466)



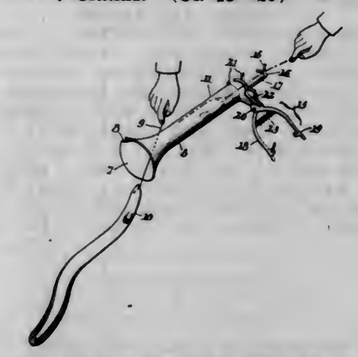
1. A gear mechanism adapted to be employed as a pump, compressor, motor, transmission member and the like, or even simultaneously for a number of such uses, comprising at least three helical gear elements, disposed the one within the others, each element having one helical thread more than the element immediately inside same, the threads of the enveloped elements being always in contact in each cross-section with the threads of the corresponding enveloping element and the ratio of the different pitches of these threads being equal to the ratio of the number of threads on said elements.

21,375
EEL HOLDER

George H. Tillinghast, Burlington, N. J.

Original No. 2,091,893, dated August 31, 1937, Serial No. 79,156, May 11, 1936. Application for reissue June 9, 1939, Serial No. 278,331

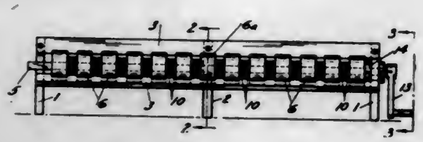
7 Claims. (Cl. 43—29)



1. A device of the character described comprising a tube having a longitudinal slot therein,

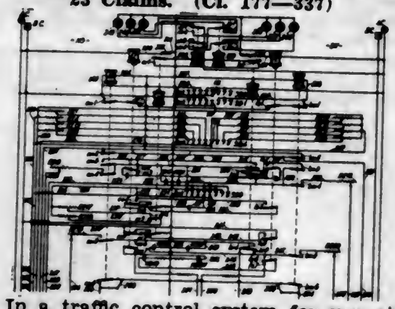
pivoted members disposed at one end of said tube and an upright guard member adjacent said pivoted members.

21,376
SPACING MECHANISM
Theodore K. Walma, Iowa City, Iowa
Original No. 2,098,816, dated November 9, 1937, Serial No. 107,664, October 26, 1936. Application for reissue June 17, 1939, Serial No. 279,691
12 Claims. (Cl. 146—153)



12. A slicing machine blade adjusting mechanism, comprising a framework, a bar non-circular in cross-section extending longitudinally thereof, a series of blade guiding blocks supported by said bar, said blocks having means for receiving and guiding slicing blades, guiding means cooperating with said blocks to prevent rotation thereof, and a plurality of screw-threaded means, freely longitudinally slidable on said bar, and interengaging with said bar whereby said screw-threaded means are constrained to rotate with said bar, at least one of said screw-threaded means being interposed between each adjacent pair of blocks, at least one of each adjacent pair of blocks being in screw-threaded engagement with the screw-threaded means interposed therebetween, said screw-threaded means cooperating with said blocks upon rotation of the bar in one direction to cause all adjacent blocks of said series to recede from each other.

21,377
TRAFFIC ACTUATED CONTROL SYSTEM AND APPARATUS
Harry A. Wilcox, Norwalk, Conn., assignor to Automatic Signal Corporation, New York, N. Y., a corporation of Delaware
Original No. 2,183,780, dated December 19, 1939, Serial No. 74,422, April 15, 1936. Application for reissue December 28, 1939, Serial No. 311,390
23 Claims. (Cl. 177—337)



1. In a traffic control system for use at the intersection of two lanes including "stop" and "go" signals adapted to be displayed to the traffic thereon, vehicle actuated means in both lanes, means for according right-of-way alternately to the two lanes including means for timing the display period of a "go" signal to one lane and a "stop" signal to the other lane and means included in said timing means for extending the display period of the "go" signal in said one lane by a small increment of time in response to each actuation of the vehicle actuated means in said one lane during the display of the "go" signal therein and means included in said timing means for decreasing the amount of such increment of extension of said "go" signal display period, in response to actuation of the vehicle actuated means in said other lane while the "stop" signal is being displayed therein.

PLANT PATENTS

GRANTED FEBRUARY 27, 1940

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

364
GARDENIA PLANT
Thomas H. Wright, Los Angeles, Calif.
Application November 28, 1938, Serial No. 242,740
1 Claim. (Cl. 47—60)

A Gardenia plant characterized in being a vigorous grower and showing a marked resistance to diseases common to greenhouse Gardenias, the bud of the flower while tight and green being somewhat pointed, the calyx and peduncle being comparatively short and supporting the open flower firmly on the stalk and in an upright position, the petals of the flower being a pure white and of wax-like texture, opening naturally from the bud and forming a double bloom, the flower continuing to open from the center for several days, unfolding from a rose-like center but maintaining a covering of the pistils and stamen, however when the outer petals yellow with age, there remaining additional inner petals wrapped around the center which when opened being white, the stamens and pistils when thus disclosed being shorter and in less evidence than the stamens and pistils of other Gardenias, the fragance of the bloom being of the characteristic Gardenia odor but more pronounced, the leaf foliage of the plant being a glossy green, the leaf being long and tapering, slightly corrugated and quite narrow, the plant having similarities and differences relative to its parent plants, the Mystery and McLellan all substantially as described and illustrated.

PATENTS

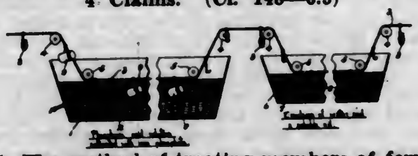
GRANTED FEBRUARY 27, 1940

2,191,434
COOLING AND MIXING VESSEL FOR BEVERAGES
William F. Alder, Altadena, Calif., assignor to Jenness A. Alder, Altadena, Calif.
Application October 10, 1939, Serial No. 298,787
6 Claims. (Cl. 62—91.5)



1. The combination of: a container for beverage; a housing surrounding said container and spaced therefrom to provide a space between said housing and said container, said housing having an opening in the bottom thereof; a heat reflecting partition between said housing and said container dividing said space into an insulating space adjacent said housing and a chamber adjacent said container adapted to contain refrigerant; and a closure member adapted to close said opening.

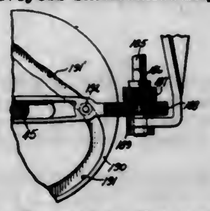
2,191,435
BEARING MEMBER
John H. Ballard and William H. Spencer, Muskegon, Mich., assignors to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application February 27, 1939, Serial No. 258,816
4 Claims. (Cl. 148—6.5)



1. The method of treating members of ferrous material, said members being designed for bearing engagement with other ferrous members which consists, in subjecting said members to the action of a solution of phosphoric acid saturated with iron phosphate, in which solution there is free phosphoric acid, for a period of time until all evolution of gas ceases, and then washing said members in an emulsion of water and a soluble oil.

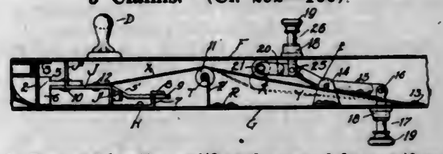
2,191,436
UNLOADING, COUNTING, AND STACKING MECHANISM
Edwin J. Bell, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis., a corporation of Wisconsin
Original application May 6, 1935, Serial No. 20,027. Divided and this application March 14, 1938, Serial No. 195,924
17 Claims. (Cl. 226—4)

1. In a device of the character described, the combination of a feeding conveyor and a receiving conveyor movable along lines substantially at right angles to each other, the feeding conveyor having portions traveling in opposite directions on opposite sides of the line of movement of the receiving conveyor, means for actuating said conveyors simultaneously step by step,



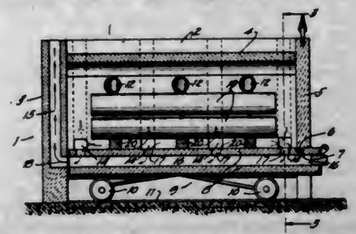
curved guides disposed in the angles formed by said conveyors on opposite sides of the receiving conveyor, oscillatory sweeps cooperative with said guides to remove the bundles from the feeding conveyor and deposit them upon the receiving conveyor, and means for oscillating said sweeps in the intervals between successive conveyor moments.

2,191,437
AUTOMOBILE DOOR LOCK
Edgar C. Bode, Courtland, Minn.
Application February 20, 1939, Serial No. 257,385
3 Claims. (Cl. 292—166)



1. In combination with a door and frame therefor, a locking means for said door comprising a door sustained spring tensioned and controlled latch bolt cooperating with locking engagement with the door frame, a latch tape made fast to the latch bolt and to said door, a roller sustaining means for the tape, a rocker arm supported by said door and operative upon said latch tape, said rocker arm being provided with slidable push arm operating means on opposite door sides for the foreshortening of the normal distance between the fastenings of the latch operating tape.

2,191,438
FURNACE
Walter R. Breeler, Fredonia, N. Y.
Application March 21, 1939, Serial No. 263,169
2 Claims. (Cl. 263—28)



1. A furnace of the character described com-

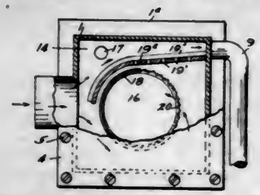
prising a longitudinally-movable hearth having a longitudinally-extending flue therein communicating with the interior of said furnace through openings in the top thereof, a rear wall having a flue therein communicating with the flue in said hearth, side walls having a plurality of spaced flues therein communicating with the interior of said furnace through openings at about the hearth level, an arched roof on said furnace, and a plurality of upwardly inclined tuyères extending through said side walls and opening into the interior of said furnace near the top thereof for introducing heated gas into said furnace.

2,191,439
BOWLING EQUIPMENT
Edwin W. Brookfield, Toronto, Ontario, Canada
Application September 16, 1938, Serial No. 230,196
4 Claims. (Cl. 273—51)



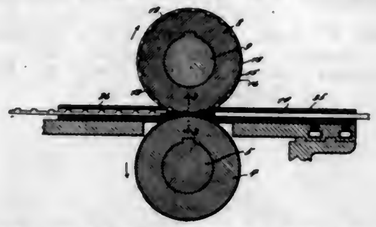
1. A bowling equipment comprising a long, narrow "green" of natural grass having a supporting base of shiftable material, a rigid foundation at green end of said "green", an adjustable platform mounted on said foundation to support pins at the said end of the "green", and means for preventing entry of said "green"-supporting base below said platform in its various adjusted positions.

2,191,440
WATER CLARIFIER FOR AUTOMOBILES
Arthur G. Bush, Davenport, Iowa
Application July 29, 1937, Serial No. 156,364
10 Claims. (Cl. 210—165)



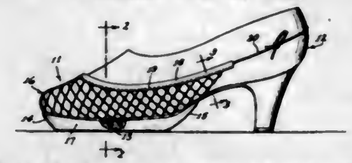
1. In a cooling system for internal combustion engines, the combination with a radiator suitably connected to the engine block, of a housing united to the radiator wall near the top thereof and in circuit with the radiator and engine block, said housing forming a chamber the lower portion of which, by gravimetric separation, can receive and retain the heavier materials contained in the cooling liquid and the upper portion of which can receive the vapors rising from the heated liquid and the foam, oily sludge and other buoyant substances and an opening from the upper part of the housing into the upper part of the radiator and said housing being provided with an overflow outlet at the height of the desired liquid level, means mounted within the housing for skimming the foam, oily sludge and other lighter materials from the fluid, comprising an oblique plate having its lower edge extending into the incoming stream of liquid and its upper end adjacent and leading to the overflow outlet, and means comprising a cylindrical screen extending at right angles to the incoming stream of cooling fluid for separating the heavier substances from the fluid.

2,191,441
METHOD OF FORMING CHAIN LINKS
George J. Campbell, Jr., York, Pa., assignor to International Chain & Manufacturing Company, York, Pa., a corporation of Pennsylvania
Application August 3, 1938, Serial No. 222,764
3 Claims. (Cl. 59—35)



1. The method of forming a chain link which comprises feeding a flat bar between forming rolls while cold, and there compressing spaced portions of one edge of the bar while still cold to form spaced projections, severing a length of said bar having one or more of said projections thereon, and bending said length into a link.

2,191,442
SHOE ATTACHMENT
Claude A. Cavey, Helen M. Copin, Aurora V. Hill, and Helen C. Hunt, Los Angeles, Calif.
Application May 6, 1939, Serial No. 272,228
1 Claim. (Cl. 36—7.5)

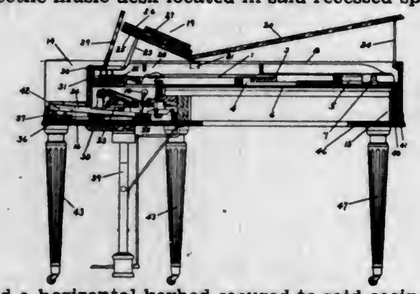


A shoe attachment comprising a relatively thick resilient sole member having bevelled front and rear edges formed of a sponge-like rubber material, said sole member being shaped to approximately correspond to the shape of the portion of the sole of a shoe which engages a surface during use, an upper of flexible net material extending upwardly from the front and side edges of said sole member and forming a toe portion and side portions, the lower margin of said upper being positioned about the front and side edges of said sole member, a tape extending around the front and side edges of said sole member over said lower margin of said upper, a bonding material between said tape and said sole member and between the meshes of the lower margin of said upper for securing said upper to said sole member, a hollow tape secured to the upper edge of said upper, and a draw string in said hollow tape and extending therefrom for rearward extension about a shoe.

2,191,443
HORIZONTAL PIANO
Wilbur M. Day, Norwood, and Fritz Huettemann, Cincinnati, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio
Application June 23, 1938, Serial No. 215,438
19 Claims. (Cl. 84—174)

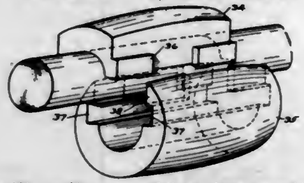
1. In combination in a piano, a horizontally disposed casing comprising an inner and an outer rim secured together, said outer rim extending above and below said inner rim to form upper and lower shoulders, a metal string frame located within said casing and supported on said upper

shoulder, said frame including a plurality of rib members extending rearwardly from the front thereof with their uppermost edges immediately below the upper edge of said casing, the forward parts of said ribs being of reduced height to provide a recessed space within said casing, an erectile music desk located in said recessed space,



and a horizontal keybed secured to said casing so as to rest against said lower shoulder with the under side of the ends of said keybed co-planar with the lower edge of said casing, whereby the case structure of a horizontal piano including a music desk, is reduced in vertical compass and given a trim appearance.

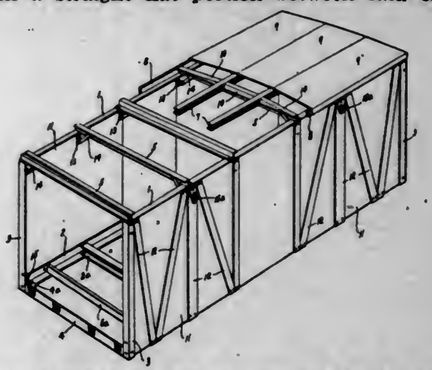
2,191,444
SPLIT UNIT
Augustine L. N. Fleming, Rutherford, N. J.
Application May 14, 1938, Serial No. 207,981
2 Claims. (Cl. 287—52.03)



1. A split unit comprising two portions, each portion having a semicircular recess to embrace half of a shaft, one portion having spaced longitudinally extending lugs at each side of the recess, and the other portion having longitudinally extending grooves to receive the lugs of the former portion, one side of each groove defining an overhanging lip, transverse slots through said lips, the lugs of the former portion adapted to pass through the transverse slots in the lips of the latter portion on assembling, where the one portion is placed on a shaft only partially opposite the other and slid axially of the shaft, whereby the lugs enter the grooves until the lugs are in overlapping relation with the lips and in holding position, and set screws fixedly attaching the said portions to the shaft or the like.

2,191,445
VEHICLE BODY
Arthur P. Armington, Willoughby, Ohio; Katherine Stewart Armington, executrix of Arthur P. Armington, deceased
Application August 11, 1936, Serial No. 95,487
7 Claims. (Cl. 220—1.5)

1. In a vehicle body of the class described, floor and roof structures, and means at the sides of said body interconnecting said structures and consisting of flat sheets and spring members disposed to yieldably resist lateral body deflection, each spring member having one end part rigidly secured to one of said structures and its other end part rigidly secured to the other structure with a straight flat portion between said end



parts, whereby said spring member flat portions are constrained to assume reverse curvature under such deflection.

2,191,446
HARD ALLOY
Clarence W. Balke, Highland Park, Frederick L. Hunter, Jr., Lake Bluff, and Roy A. Haskell, Waukegan, Ill., assignors to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
No Drawing. Application May 27, 1936, Serial No. 82,044
10 Claims. (Cl. 75—136)

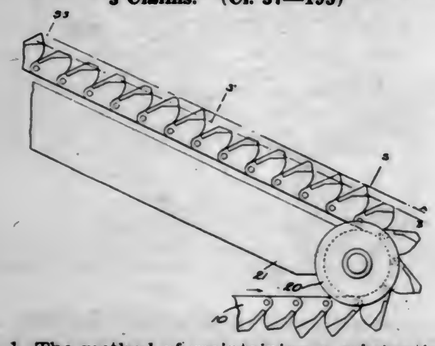
1. A hard alloy composition comprising from 30% to 60% by weight of one or more metals of the iron group; from 5% to 30% by weight of chromium; a metal from the group composed of tungsten and molybdenum in an amount equal to the molecular equivalent by weight of from 15% to 50% by weight of tungsten; one or more metals from the groups composed of tantalum and columbium, and titanium and zirconium in an amount equal to the molecular equivalent by weight of from 15% to 50% by weight of tantalum; and from 1% to 3% by weight of carbon.

2,191,447
CONTAINER CLOSURE
Emery S. Beardsley, Glendale, Calif.
Application April 21, 1937, Serial No. 138,265
4 Claims. (Cl. 215—37)



4. In combination with a liquid container having an opening at one end and adapted to be supported in inverted position for the dispensing of liquid, a closure body in said opening having at least two vertical passages extending therethrough, a glass tube extending into one of said passages and having its free end extending toward the opposite interior end of the container, a porous body in said last-mentioned vertical passage and associated with said tube, said body having openings therein sufficiently minute to prevent the flowing of liquid therethrough while permitting the inflow of air, and means for sealing from the outer surface of said body to both of said openings.

2,191,448
METHOD OF DREDGE BUCKET OPERATION
Hobart M. Bird, Portland, Oreg.
Application April 5, 1937, Serial No. 135,035
3 Claims. (Cl. 37—195)

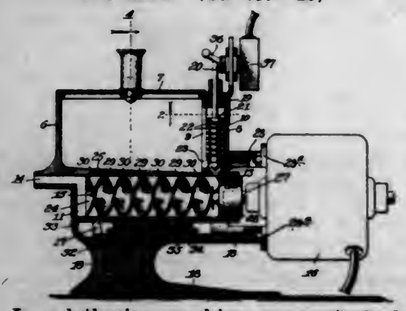


1. The method of maintaining a substantially constant capacity in a dredge bucket chain, which comprises equipping the buckets of the chain with removable cutting lips of varying heights, arranging the buckets having lips of maximum height in staggered relation to those having lips of lesser height, operating the chain for predetermined periods of time and wear upon the lips, and replacing the lips of staggered buckets having lips of minimum height with lips of maximum height at the termination of each of said periods.

2,191,449
PURIFICATION OF ORGANIC ACIDS
Arthur L. Blount, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 17, 1937, Serial No. 143,117
2 Claims. (Cl. 202—57)

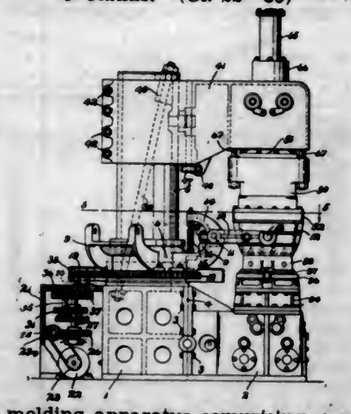
1. A method of improving the color of naphthenic acids which comprises distilling said acids in a still composed of steel containing 16% to 20% chromium, 7% to 11% nickel and 2% to 4% molybdenum.

2,191,450
LATHER PRODUCING MACHINE
Albert B. Campbell, Chicago, Ill., assignor to Alphons J. Sumkowski, Chicago, Ill.
Application March 14, 1938, Serial No. 195,886
2 Claims. (Cl. 259—10)



1. In a lathering machine, a receptacle for a liquid lathering medium, a sleeve, a screw within the sleeve, means for rapidly rotating the screw, said receptacle having a restricted liquid outlet communicating with one end of the screw, said end of the screw being accessible to air, and a lather outlet at the other end of the screw.

2,191,451
MOLDING MACHINE
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich.
Application May 2, 1938, Serial No. 205,572
3 Claims. (Cl. 22—36)

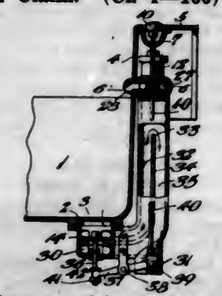


2. A molding apparatus comprising, a support adapted to have a succession of inverted flasks carried thereby, a vertical post adjacent said support, a plurality of spaced apart sand hoppers around said post and revolubly mounted thereon, driving means for intermittently bringing said sand hoppers over a flask on said support, means to normally elevate the hoppers whereby their lower sides are a short distance above their respective flasks when moved thereover, and means to limit the extent of lifting said hoppers.

2,191,452
THIAZANE DERIVATIVES
Robert De Wolf Coghill, Hamden, Conn., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application April 3, 1937, Serial No. 134,844
11 Claims. (Cl. 260—243)

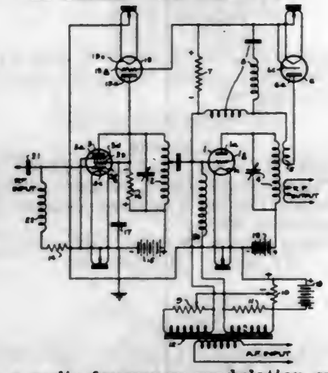
1. Thiazane-3,5-dicarboxylic acids.

2,191,453
WASHBASIN
Elbert A. Corbin, Jr., Lansdowne, Pa., assignor of one-half to William C. Biddle, Lansdowne, Pa.
Application December 7, 1937, Serial No. 178,483
1 Claim. (Cl. 4—166)



A washbasin comprising a bowl, an integral upper extension on the back wall thereof, said upper extension being deflected to form a horizontal member, a plurality of pockets formed in and extending below the upper surface of said horizontal member, water supply connections projecting over said bowl through said upper extension, sliding vertically reciprocable valve bodies for controlling said connections, operating handles for actuating said valve disposed and operable within said pockets, a waste outlet, frictional means for preventing accidental movement of said valve bodies, a plug for said waste outlet, an overflow communicating with said waste outlet and leading to a point of disposal, an operating lever disposed outside of said bowl and said overflow for actuating said plug, and a handle for operating said lever disposed and operable within one of said pockets.

2,191,454
DISTORTION AND CARRIER SHIFT CORRECTION SYSTEM
Liva Morgan Craft, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 29, 1938, Serial No. 198,760
11 Claims. (Cl. 179—171.5)

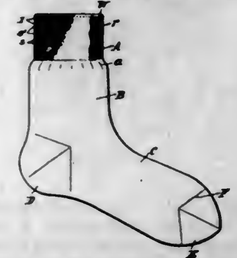


2. In a radio frequency modulation system, in combination, means for rectifying a portion of the modulated output, the rectified wave including modulation and distortion components of alternating current and a component of direct current corresponding to the average value of the rectified carrier, means for counteracting the modulation components of alternating current in said rectified output wave by a portion of the original modulation energy, a source of direct current, means for balancing the normal direct current component in said rectified output wave by current from said source, and means for controlling the voltage of the carrier prior to modulation thereof in accordance with the unbalanced distortion components of alternating current and variations in the direct component corresponding to carrier shift in the rectified wave; the last said means comprising an electron tube premodulation stage with means for supplying carrier energy to the input thereof, means for applying said unbalanced distortion components of alternating current and direct current to said premodulation stage, and means for coupling the output of said premodulation stage to the input of the modulation system.

2,191,455
EXTRACTING OIL
Arthur L. Davis, near Knoxville, and Luis H. Bartlett, Knoxville, Tenn.
No Drawing. Application September 29, 1938, Serial No. 232,360
3 Claims. (Cl. 260—412.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

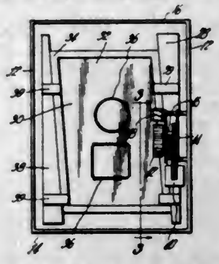
3. Process of extracting a fat or oil from an oleaginous material of nonmineral origin containing coloring matter soluble in said fat or oil which comprises subjecting the material to the action of a liquid solvent mixture consisting of a liquid saturated hydrocarbon having 3 to 4 carbon atoms and a small proportion of an ether selected from the group consisting of dimethyl ether, methyl ethyl ether and diethyl ether adapted to produce an extract containing the fat or oil wherein the quantity of coloring matter in said fat or oil is substantially less and the character of said coloring matter is substantially more susceptible to removal in subsequent refining than in a fat or oil resulting from subjecting the material to the action of the saturated hydrocarbon alone; separating the extract from the residue; and separating the solvent from the extract.

2,191,456
KNITTED FABRIC
Robert Evan Davis, Jr., Fort Payne, Ala., assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Application February 24, 1938, Serial No. 192,230
22 Claims. (Cl. 66—172)



1. A tubular plain knit alternate drop stitch fabric comprising courses composed of inelastic thread the stitches of which are connected by floats of materially greater length than the width of the needle wales and sinker wales which they displace and having spaced courses composed entirely of elastic thread under sufficient tension to draw the adjacent wales of said alternate drop stitch fabric into close proximity to reduce the diameter of the fabric and produce a smooth exterior surface.

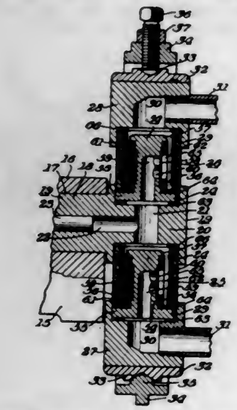
2,191,457
DISPLAY DEVICE
George de Verry, Springfield, Mass.
Application May 25, 1939, Serial No. 275,743
3 Claims. (Cl. 40—62)



3. A display apparatus comprising in combination, a casing, a stationary vertical panel therein, a movable panel superposed thereon, a means for guiding said movable panel in sliding movements between upper and lower positions in an angular path relative to the vertical, sets of open-

ings provided in said panels arranged whereby said sets thereof are alternately in register when said movable panel is in its upper or lower position, a motor, a cam rotatable thereby, and a member on said movable panel engageable thereby.

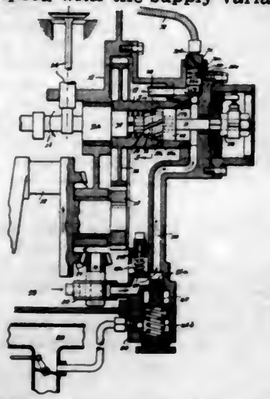
2,191,458
VALVE
Emil G. Duden, Oakmont, Pa., assignor to Wm. B. Scaife and Sons Company, Oakmont, Pa., a corporation of Pennsylvania
Application October 16, 1937, Serial No. 169,426
5 Claims. (Cl. 251—122)



1. In a check valve, the combination of a valve body having an inlet and outlet, a valve support in said body having a passageway connecting said inlet and outlet, a flexible valve member closing said passageway and held by said support against flexing toward the inlet of said valve body, means defining a slit through the valve member arranged to be expanded directly by fluid under pressure in the inlet end of the valve to permit the flow of fluid to the outlet, and means defining a recess in the valve support adjacent the slitted portion for receiving the same to hold the slit in sealing relation when the pressure in the outlet side of the valve exceeds the pressure in the inlet side.

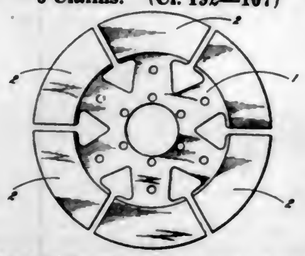
2,191,459
CONTROL MECHANISM FOR INTERNAL COMBUSTION ENGINES
Herbert L. Duncan, Highland Park, Mich., assignor of one-half to Lewis P. Threlkeld, Detroit, Mich.
Application March 17, 1939, Serial No. 262,465
13 Claims. (Cl. 123—90)

1. As a means for controlling the timing of internal combustion engines, wherein the crank shaft and cam shaft are operatively connected in drive relation of constant ratio, and wherein the cam shaft is operative to control the timing of the intake and exhaust valves and the spark timing mechanism, means operative to vary the phase relationship of crank-shaft and cam-shaft while preserving the constant ratio drive relation, said means including an adjustable drive mechanism within the drive connections between said shafts with the mechanism adjustable to provide the variable phase relationship between the shafts, and means to produce and control the adjustments of said adjustable drive mechanism, said latter means including a fluid flow path open to said mechanism and having its outlet beyond such mechanism, and means for supplying fluid to said flow path responsive to crank shaft speed with the supply variable as to



volume active therein per unit of time by variations in depression values within the intake manifold of the engine.

2,191,460
ARTICLE OF MANUFACTURE
John S. Fisher, Akron, Ohio, assignor to The General Metals Powder Company, Akron, Ohio, a corporation of Ohio
Application March 28, 1936, Serial No. 71,529
6 Claims. (Cl. 192—107)



1. As an article of manufacture, a clutch plate consisting of a generally disk shaped steel supporting spider and a metallic network friction member attached integrally thereto at all points of engagement therebetween.

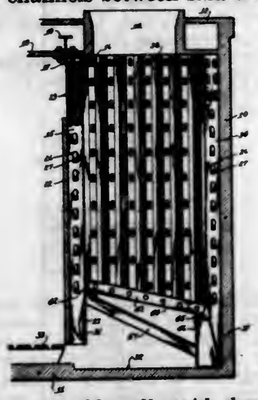
2,191,461
CONSTRUCTION SURFACING SYSTEM
Harold P. Ford, Seattle, Wash.
Application September 5, 1936, Serial No. 99,616
5 Claims. (Cl. 72—116)



4. A plasterbase comprising an indented metallic membrane having a foraminated cementitious coating affixed thereto, and particles of aggregate recessed within the indentations of the membrane and piercing the foramina of the coating.

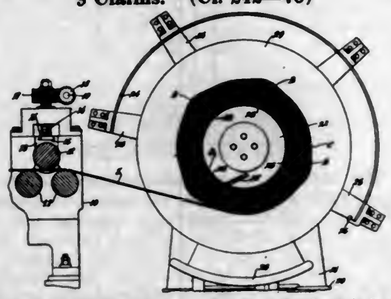
2,191,462
CORRUGATED ICE COMPARTMENT
Horace Giddings, San Francisco, Calif.
Application March 26, 1938, Serial No. 198,293
7 Claims. (Cl. 62—19)

1. In a refrigerator car having an ice compartment, a lading compartment, a bulkhead wall between said compartments, said wall having a solid portion spaced from the floor and the roof of the car, a lining for said wall comprising a vertically corrugated sheet having its upper edge secured to said roof and its lower edge spaced from said floor, the corrugations of said sheet forming air channels between said sheet and the



solid portion of said wall, said sheet having a plurality of narrow elongated apertures between the upper edge of the solid portion of said wall and said roof to permit air to pass freely between said compartments, and the edges of said apertures being bent inwardly toward said ice compartment to form splash guards for said apertures.

2,191,463
METHOD AND APPARATUS FOR RECOILING METAL COILS
Agnes J. Reeves Greer, Morgantown, W. Va.
Application March 10, 1939, Serial No. 261,038
9 Claims. (Cl. 242—78)

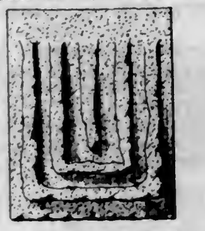


4. The method of forming a coil of metal which consists in winding the metal spirally upon itself in one direction to form a coil each convolution of which has a plurality of irregularly spaced angular bends therein and then holding the outer end of the coil against movement and positively rotating the inner end of the coil in the opposite direction to separate the convolutions of the coil.

2,191,464
PROCESS FOR ACTUATING CATALYTIC SURFACES
Marion H. Gwynn, Leonia, N. J.
No Drawing. Application December 24, 1936, Serial No. 117,515
9 Claims. (Cl. 23—233)

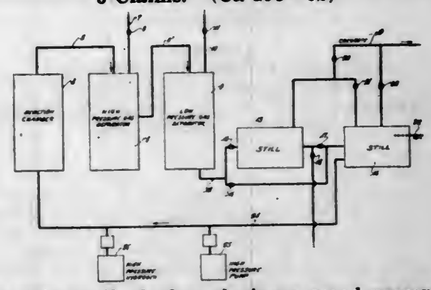
1. A process for preparing a highly active adherent catalytic surface useful in hydrofining, which comprises activating a surface whose metal component is selected from the class which consists of nickel, cobalt, and a ferromagnetic and readily reducible alloy, with a highly alkaline hypohalite solution whose pH is greater than approximately 12 and whose thermodynamic activity coefficient is less than about unity.

2,191,465
SURFACE COVERING MATERIAL
Norman P. Harshberger, Scarsdale, and Sidney A. Ochs, New York, N. Y., assignors to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application June 23, 1936, Serial No. 86,876
11 Claims. (Cl. 108—8)



1. A surface covering product comprising a base, said base having a face with outwardly projecting portions to present a characteristic surface and having an opposite face substantially correspondingly indented, and said base having a rigidifying layer over the shaped portion of a face, the material of said base being such that the shaped portion would ordinarily be deformable and said rigidifying layer comprising a hardened and non-softening composition and being of sufficient thickness to rigidify said product and to substantially prevent said ordinary deformation of the shaped portion.

2,191,466
PROCESS OF PRODUCING SYNTHETIC HYDROCARBON
Jacquelin E. Harvey, Jr., Atlanta, Ga., assignor of one-half to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia
Application September 22, 1937, Serial No. 165,183
5 Claims. (Cl. 196—62)



4. The method of producing a wood preservative impregnant more toxic than the starting material, which comprises: subjecting a relatively high boiling material derived from distillation of a material chosen from a group consisting of coal and wood, containing fractions not responsive to hydrogenation under the conditions of the process, to recurring cycles of toxicity-inducing hydrogenation each so limited as to produce no greater percentage of fractions boiling below 210° C. than is accepted by specifications in the

trade for a wood preservative, alternated with steps of distillation of the hydrogenated material limited to remove the highest boiling point fractions provided by said specifications in the product; interspersing in said cycles of hydrogenation and distillation steps at intervals, distillation steps at a temperature to remove substantially all volatiles from the residue of a preceding cyclic distillation step assisted by streaming a gas through the residue; discarding the residue from each interspersed distillation step and subjecting said volatiles to further cyclic hydrogenation and distillation whereby to induce toxic properties.

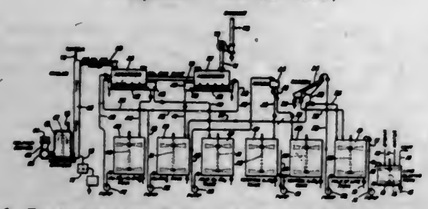
2,191,467

APPARATUS FOR PRODUCING CALCIUM SULPHITE

Gerald Haywood, Westernport, Md., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware

Original application December 8, 1934, Serial No. 756,631. Divided and this application March 18, 1936, Serial No. 69,433. Renewed May 19, 1939

7 Claims. (Cl. 23—260)



1. In apparatus for producing calcium sulphite a plurality of absorption chambers, a plurality of tanks associated with said absorption chambers, means for delivering a lime bearing suspension to one of said tanks, means for continuously recirculating said suspension between said one tank and one of said chambers, means for delivering said suspension from said one tank to the other of said chambers, means for conveying the suspension from said other chamber to another of said tanks, means for introducing sulphur dioxide into said chambers, and means for whipping the suspension into a spray in said chambers.

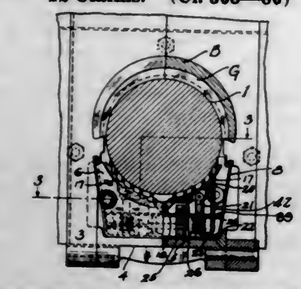
2,191,468

JOURNAL LUBRICATOR DEVICE

James J. Hennessy, Montclair, N. J.

Application July 16, 1937, Serial No. 153,925

12 Claims. (Cl. 308—80)



3. In combination, a railway journal lubricator device including a cellar having upstanding yielding supports, quadrant shaped wipers pivotally mounted on said supports with their concave portions facing upwardly to engage an axle journal and their lower ends pivoted to each other to maintain their alignment.

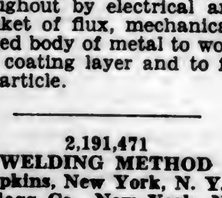
2,191,469

VENEERING OF METALLIC SURFACES

Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application February 18, 1936, Serial No. 64,496

17 Claims. (Cl. 219—10)



1. The method of coating base metal with a metal veneer which comprises, covering a surface of the base metal with a blanket of flux, discharging electric current through a gap beneath the surface of the flux blanket to fuse directly a depth of the base metal and supplying metal to the gap to be fused and intermingled with the fused metal of the base to form the veneer metal, said gap being submerged beneath the surface of the blanket of flux during the operation.

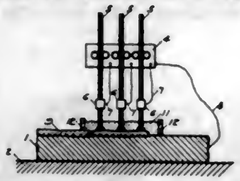
2,191,470

MANUFACTURE OF VENEERED ARTICLES

Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application February 18, 1936, Serial No. 64,497

15 Claims. (Cl. 29—189)



1. The method of manufacturing metallic articles coated with a layer of metal of different composition which comprises coating the surface of a body of metal with a layer of metal of different composition integrally fused to said surface throughout by electrical arc deposition under a blanket of flux, mechanically reducing the thus coated body of metal to work refine the metal of the coating layer and to form the desired coated article.

2,191,471

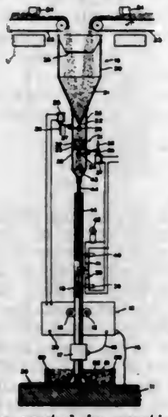
WELDING METHOD

Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Original application September 16, 1936, Serial No. 101,103, now Patent No. 2,151,914, dated March 28, 1939. Divided and this application March 27, 1937, Serial No. 133,357

5 Claims. (Cl. 219—10)

4. The method of depositing alloy metal of a predetermined analysis which comprises; discharging electric current through a gap beneath the surface of a protective blanket of flux, between the end of a hollow metal electrode, made of one or more of the constituents of the desired alloy, and a metal body; supplying metal, made of one or more of the constituents of the desired alloy, in particle form through said electrode at a rate independent of the rate of feed of the electrode to be fused at the gap with the metal of the electrode; the metal of the electrode, the metal in particle form together with the metal of said body containing all of the constituents of the desired alloy; said electrode conducting substantially all of the metal in particle form supplied through it to the gap; and adjusting the fusion rate of the electrode and the rate



of supply of the metal in particle form to fuse at the gap predetermined proportions of the constituents of the desired metal; the relation between the cross-sectional area of the metal of the hollow electrode and the void of the hollow electrode and the fusion rate of the hollow electrode and the rate of supply of the metal in particle form being such that for each unit of length of electrode burned off the volume of the void passing to the gap is substantially greater than the volume of the metal in particle form whereby metal in particle form does not seal the end of the electrode and accumulate therein; the gap being maintained beneath the surface of the flux blanket throughout the operation.

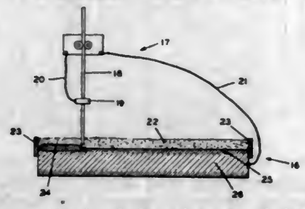
2,191,472

METHOD OF MAKING COATED ARTICLES

Robert K. Hopkins and Harry S. Blumberg, New York, N. Y., assignors to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application November 5, 1937, Serial No. 172,930

7 Claims. (Cl. 29—189)



1. The method of forming an integral alloy coating on a steel base having a zone of finite depth of clean and homogeneous metal adjacent the surface to which the coating is to be applied which comprises discharging electric current under a blanket of flux to fuse metal of said zone and the metal required to form the desired coating when alloyed with the fused metal of said zone, and controlling the metal fusing operation to fuse a depth of said zone substantially less than the total depth of said zone.

7. The method of manufacturing alloy coated rimmed steel articles which comprises passing electric current between the end of a consumable electrode made up of constituents of the desired alloy coating and the rimmed surface of the steel base beneath a blanket of flux to fuse metal of the electrode and metal of the rim, controlling the metal fusing operation to fuse the electrode and the rim metal in the proper proportions to obtain the desired alloy coating, the metal fusing operation being controlled to heat the metal below the rim metal insufficiently to release gases and impurities, and working the coated metal to form the desired article.

2,191,473

WELDING COMPOSITION

Harry S. Blumberg, New York, N. Y., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

No Drawing. Application August 13, 1937, Serial No. 158,870

5 Claims. (Cl. 148—26)

2. A welding composition substantially free of substances capable of producing deleterious gas and vapor under welding conditions, said composition containing in major proportion components of calcium and magnesium silicates, calcium oxide being present in predominant proportion and in quantity sufficient for calcium ortho-silicates.

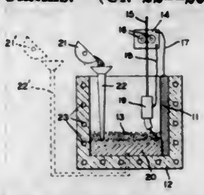
2,191,474

METHOD FOR MANUFACTURING COMPOSITE METAL ARTICLES

Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application December 30, 1937, Serial No. 182,461

4 Claims. (Cl. 22—203)



1. The method of uniting metals which comprises, providing a mold space defined at least in part by a non-horizontal surface of a solid metal body, pouring molten metal into said mold space beneath a blanket of protective flux therein to progressively cover said non-horizontal surface, the molten metal being supplied from a molten metal source external to said mold space, and uniting the metals by fusing a depth of the solid metal defining said non-horizontal surface as the molten metal is poured to intermingle the metals, the fusion of the solid metal being effected by the discharge of electric current through a gap beneath the surface of the blanket of flux.

2,191,475

MANUFACTURE OF METAL ARTICLES

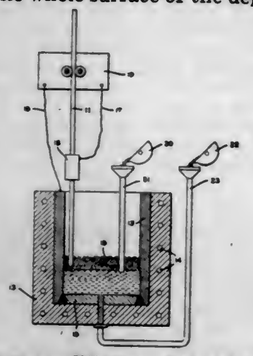
Robert K. Hopkins., New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application January 27, 1938, Serial No. 187,104

2 Claims. (Cl. 22—204)

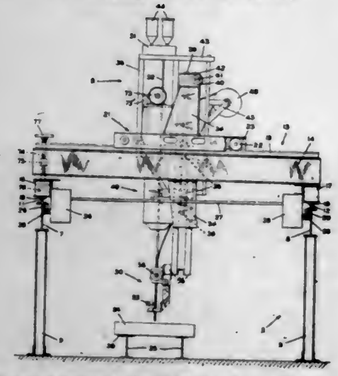
2. The method of manufacturing alloy ingots

having a cast metal core surrounded by and integrally united to a protective worked metal shell of substantially the same analysis, which comprises, forming a mold of worked alloy metal substantially free from surface imperfections, depositing molten alloy metal of substantially the same analysis in the mold, the molten metal deposition being carried out in a manner to maintain the whole surface of the deposited metal



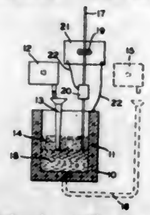
in the molten condition, and simultaneously with said deposition discharging current through one or more gaps beneath the surface of a protective blanket of flux on the surface of the molten metal to fuse a depth of the mold metal at the level of the molten metal throughout its extent to unite the metals into an integral body made up of a cast metal core within a worked metal shell of sufficient thickness to protect the cast core during subsequent work deformation.

2,191,476
WELDING APPARATUS
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application May 21, 1938, Serial No. 209,195
4 Claims. (Cl. 219—8)



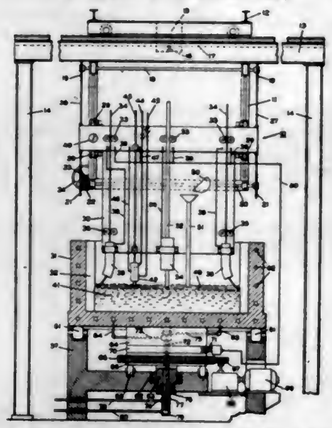
1. In apparatus adapted to deposit metal upon a workpiece by the discharge of electric current through a gap between an electrode and the workpiece, in combination, a source of electrode material in strip form, means for forming said material into a one-piece hollow electrode of substantially closed cross-section, said forming means including means for feeding said hollow electrode toward the workpiece, means for feeding fusible metal at a controlled rate independent of the rate of feed of said hollow electrode into said hollow electrode for conveyance by the latter to the gap, and an electric current supply connection contacting said hollow electrode between said gap and said forming means.

2,191,477
METHOD FOR MANUFACTURING CAST METAL BODIES
Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application August 16, 1938, Serial No. 225,123
3 Claims. (Cl. 22—200)



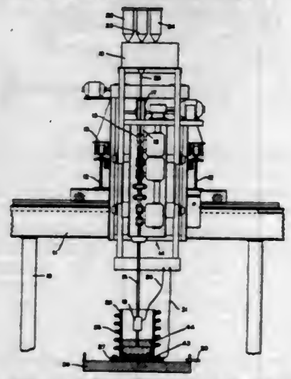
1. The method of casting metal bodies which comprises, placing a depth of protective flux in the bottom of a mold, casting molten metal into said mold beneath said flux to progressively fill said mold, discharging electric current from one or more electrodes against the rising molten metal surface adjacent the sides of said mold, said electric discharge being maintained beneath said blanket of flux and being of an intensity to maintain the surface metal at and adjacent the mold sides in substantially the same degree of mobility as the remainder of said surface metal.

2,191,478
APPARATUS FOR PRODUCING COMPOSITE METAL ARTICLES
Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application August 26, 1938, Serial No. 226,861
9 Claims. (Cl. 22—58)



1. In apparatus of the character described, a surface fusing electrode, means for directing said electrode toward a metal surface angularly disposed to the horizontal, means for depositing molten metal against said metal surface to progressively cover said surface, means for maintaining an electric discharge of desired characteristics between said electrode and the zone of the meeting line of said molten metal and said surface, a non-consumable electrode adapted to discharge electric current against said molten metal fixedly positioned relative to said directing means and vertically movable therewith, and means for moving said non-consumable electrode and said directing means to maintain a discharge of substantially constant characteristics from the end of said non-consumable electrode and to maintain a substantially constant positional relation between the end of said surface fusing electrode and the surface of said molten metal.

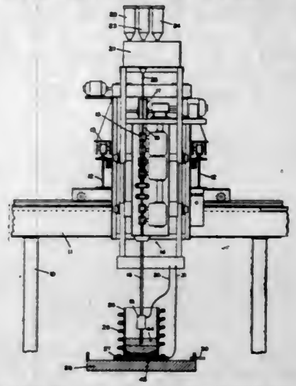
2,191,479
MANUFACTURE OF ALLOY INGOTS
Robert K. Hopkins, West New Brighton, Staten Island, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application February 23, 1939, Serial No. 257,886
8 Claims. (Cl. 75—10)



4. The method of producing dense, homogeneous alloy bodies, characterized by their freedom from casting defects, directly from raw materials, which comprises supplying the raw materials into a mold, fusing all of said materials together in said mold as they are supplied to produce the alloy, the fusion of said materials and the production of the alloy taking place under the influence of the high temperature heat generated by the discharge of electric current through a gap maintained completely submerged in fluid flux, and dissipating heat from said mold at a rate to progressively solidify the produced alloy from the bottom of the mold upwards during the filling of the mold and to prevent fusion of the produced alloy to the mold.

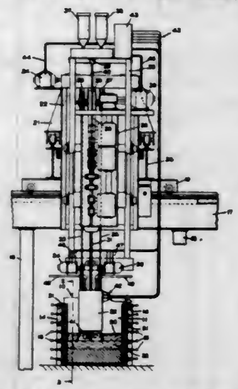
2,191,480
APPARATUS FOR MANUFACTURING ALLOY INGOTS
Robert K. Hopkins, West New Brighton, Staten Island, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Original application February 23, 1939, Serial No. 257,886. Divided and this application March 10, 1939, Serial No. 260,892
3 Claims. (Cl. 22—57)

1. In combination in an apparatus for the production of alloy bodies directly from raw materials made up of the constituents of the desired alloy, a mold wherein the alloy may be produced and solidified into the desired alloy body, said mold being adapted to receive a blanket of protective flux to cover the alloy during its production and solidification, a metal electrode made up of constituents of the desired alloy, an electric current supply connected to the electrode and the mold, means for feeding the electrode into the mold through the flux blanket to maintain an electric current discharge of predetermined characteristics from its end through a gap beneath the surface of the flux, means for passing raw materials made up of constituents of the desired alloy at predetermined rates through the



flux blanket to the electric discharge to be fused thereat with the metal of the electrode and intermingled therewith to form the desired alloy, and means to remove heat from the mold to prevent fusion of the mold and to solidify the alloy formed from the bottom of the mold upwards during the filling of the mold, whereby to form a solidified alloy body that is removable from the mold.

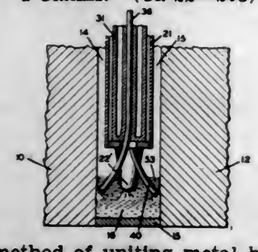
2,191,481
METHOD FOR MANUFACTURING COMPOSITE METAL ARTICLES
Robert K. Hopkins, West New Brighton, Staten Island, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application June 8, 1939, Serial No. 278,031
11 Claims. (Cl. 22—203)



1. The method of uniting metals which comprises, depositing molten metal against a non-horizontal surface of a solid metal body to provide a substantially horizontal molten metal surface that progressively rises and covers said non-horizontal surface and uniting the metals into an integral structure by fusing a depth of the solid metal substantially at the surface of the molten metal as the molten metal rises against the solid metal, the fusion of the solid metal being effected by the discharge of electric current through a gap beneath the surface of a blanket

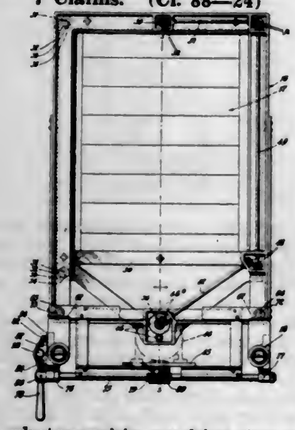
of flux, said gap being positioned sufficiently adjacent to the solid metal to fuse said solid metal directly by the heat generated thereat.

2,191,482
METHOD FOR MANUFACTURING COMPOSITE METAL ARTICLES
Robert K. Hopkins, West New Brighton, Staten Island, N. Y., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application October 29, 1938, Serial No. 237,658
4 Claims. (Cl. 22—203)



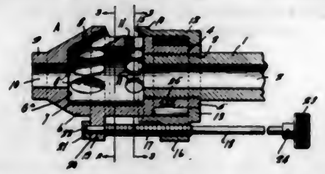
1. The method of uniting metal bodies which comprises, positioning a pair of metal bodies to provide a space between non-horizontally disposed surfaces of the bodies; depositing molten metal in said space to fill said space and to progressively cover said spaced surfaces; and, simultaneously with the molten metal deposition, fusing a depth of the metal bodies defining said surfaces at substantially the zones of contact between the rising level of the deposited metal and said surfaces, whereby molten metal derived from both of the bodies intermingles with the molten deposited metal into a common mass which upon solidification unites the bodies, the molten metal derived from said bodies being fused directly by electric current discharged through gaps maintained at the zones of contact between the rising level of the deposited metal and said spaced surfaces, the deposited metal and said gaps being protected from the atmosphere during the operation.

2,191,483
MEANS FOR CREATING A MARGINALLY REDUCED REPRODUCTION OF A DESIGN
Owen R. Huggins, South Norwalk, Conn., assignor to Linotone Corporation, a corporation of New York
Application June 3, 1937, Serial No. 146,218
7 Claims. (Cl. 88—24)



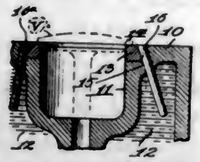
1. In a photographic machine for creating a marginally reduced reproduction of a design, the combination of a camera, a copy board therefor, a supporting frame for said copy board, a plurality of means for securing said copy board to said frame and adapted to permit limited relative movement therebetween, and means for moving said copy board edgewise in a circular path with respect to said frame and before the lens of the camera.

2,191,484
DEVICE FOR VARYING THE AMOUNT OF RECOIL IN FIREARMS
Robert H. S. Hughes, Baltimore, Md., assignor of one-half to Milton Roberts, Baltimore, Md.
Application March 22, 1937, Serial No. 132,397
4 Claims. (Cl. 89—14)



1. A recoil controlling device for guns adapted to fire projectiles, comprising a body adapted for application to the muzzle end of a gun barrel, said body having a cylindrical gas chamber therein and having a cylindrical inlet opening at its rear end adapted to receive the muzzle end of a gun barrel and a seal port at its forward end in axial alinement with said inlet opening and a shoulder extending laterally from the inner end of the seal port to the side wall of the chamber, said device having a plurality of discharge ports extending rearwardly and outwardly from the forward part of the chamber, adjacent the shoulder therein, and having a series of baffle ports extending through its side wall in a plane substantially perpendicular to the axes of the inlet opening and seal port whereby the gases passing from the baffle ports intercept the gases passing from said discharge ports.

2,191,485
EXHAUST VALVE SEAT INSERT RETAINING AND COOLING MEANS
Charles Augustus Jensen, Los Angeles, Calif., assignor of one-half to Grace E. Jensen, Los Angeles, Calif.
Application January 10, 1938, Serial No. 184,199
4 Claims. (Cl. 123—188)
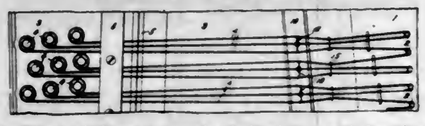


1. The combination with an engine cylinder block having an exhaust outlet chamber, a valve seat surrounding the upper portion of said chamber and there being cooling liquid circulation chambers in the block surrounding said exhaust chamber, of pins seated in the block outwardly from said valve seat, portions of which pins extend substantial distances into the cooling liquid circulation chambers so as to effect conduction of temperatures between that portion of the cylinder block immediately adjacent the valve seat and the cooling liquid in said circulation chambers.

2,191,486
PREVENTION OF SLUDGE FORMATION
Sebastian Karrer, Washington, D. C., and Oscar W. Lusby, Baltimore, Md., assignors, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia
No Drawing. Application July 28, 1937, Serial No. 156,230
12 Claims. (Cl. 183—114.6)

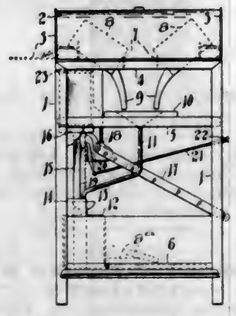
1. A process of preventing or greatly reducing sludge formation in a scrubbing medium that is reactivated by distillation which includes the step of adding to the scrubbing medium a distillate derived from hardwood tar.

2,191,487
PIANO STRING BRIDGING DEVICE
William Richard Kuzelka, New York, N. Y.
Application April 24, 1937, Serial No. 138,677
Renewed April 8, 1939
8 Claims. (Cl. 84—214)



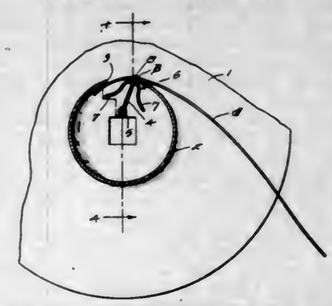
1. In a stringed musical instrument having a sound board and sound board bridge associated therewith, of bridge-spacer members mounted on the latter and interspacing the strings formed for attachment to the bridge and provided with opposite vertical flange portions having outer vertically elongated string bearing portions and a central, vertical string slot providing vertical string engaging walls whereby the string engagement by the bridge-spacer member will be nonrestrictive to fluctuating vertical string movement and co-acting string clamping members supported upon the strings to position the latter for lateral bridging engagement with the bridge-spacer members.

2,191,488
DISPLAYING, DRAINING, AND CRUSHING APPARATUS FOR TIN CANS AND THE LIKE
David A. McCowan, Toronto, Ontario, Canada
Application April 22, 1937, Serial No. 138,479
In Canada April 23, 1936
1 Claim. (Cl. 153—10)



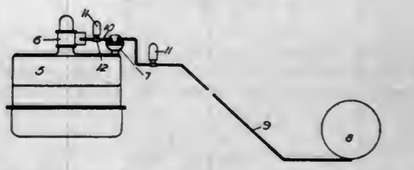
In apparatus for crushing tin cans and the like, the combination of a support; an abutment on said support; a movable pressure head below said abutment and adapted to co-operate with said abutment to receive between them the can to be crushed; an operating rod for said head, said operating rod having a rack formed on one side thereof; a lever fulcrumed on the support; a pawl pivoted on the lever adapted to engage the rack to lift the operating rod when the lever is rocked in one direction and to slide over the rack when the lever is rocked in the opposite direction; a second pawl pivoted on said support adapted to engage the rack to hold the head in position while the lever is being rocked in said opposite direction; a pull rod slidably mounted on the support and connected to said second pawl; and spring means normally tending to hold said pawl and rod in rack-engaging position; said second pawl being positioned when out of rack-engaging position to also engage and hold said first mentioned pawl out of rack engaging position.

2,191,489
REEL
Frederick B. McQuiston, Pittsburgh, Pa.
Application December 15, 1938, Serial No. 245,968
4 Claims. (Cl. 242—74)



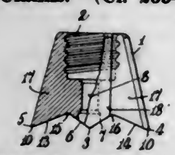
2. A reel comprising sides, a hub secured to said sides and having a slot therein for the passage of an end of perforated material to be wound upon the reel, a lever pivotally mounted within the hub, a winged member secured to the lever to be carried thereby for movement across the slot and having the wings thereof arranged in the path of said end of the material, and studs on said winged member and receivable in the perforations of said material.

2,191,490
MEANS FOR PREVENTING VAPOR LOCK IN INTERNAL COMBUSTION ENGINES
Adolph V. Mitterer, Denver, Colo.
Application June 1, 1936, Serial No. 82,947
18 Claims. (Cl. 158—36.4)



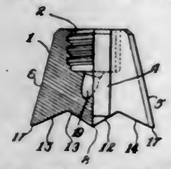
5. In a liquid fuel supply system for internal combustion engines, in which there is a forced movement of a volatile fuel through a conduit from a supply tank to a carburetor, a chamber provided with heat-conductive walls positioned above the fuel stream in communicating relation to the conduit to receive volatiles rising therefrom, and heat-dissipating means on the exterior of the chamber to induce condensation of volatiles within the chamber.

2,191,491
DRILL BIT
Paul H. Nast, Royal Oak, Mich., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 6, 1935, Serial No. 25,247
Renewed July 15, 1939
6 Claims. (Cl. 255—64)



1. A rock drill bit having a cutting end symmetrical in cross section with respect to major and minor axes which intersect at their mid points and are arranged at right angles to each other in a plane to which the axis of the bit is perpendicular, said cutting end provided with spaced chopping edges conforming substantially to arcs of a circle of a diameter equal to such major axis and diametrically opposite to each other and further provided with cutting-edge means extending in the same direction as such minor axis and midway between said chopping edges, said chopping edges and cutting-edge means recited constituting all the forward cutting edges of said bit, the overall dimension of said bit along such minor axis being materially less than along said major axis whereby the center of the hole formed by said bit is cut out by said cutting-edge means and the outer annular portion of such hole is cut wholly by said chopping edges and there is a substantial radial clearance in the hole at the ends of said cutting-edge means, and said cutting-edge means and chopping edges so disposed relative to each other that the foremost portions thereof lie substantially in a plane perpendicular to the bit axis, whereby a hold full-diametered to the bottom is formed thereby.

2,191,492
DRILLING IMPLEMENT
Paul H. Nast, Royal Oak, Mich., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 23, 1935, Serial No. 32,772
Renewed July 15, 1939
15 Claims. (Cl. 255—64)



5. In a drill bit, cutting and chopping edges at the forward end of the bit, and further chopping means disposed to the rear of the forward end of said bit.

2,191,493
DRILL BIT
John L. Reilly, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 26, 1936, Serial No. 65,778
Renewed May 23, 1939
6 Claims. (Cl. 255—64)

3. A drill bit provided with chopping portions having arcuate chopping edges and concave forward chopping faces, and a cutting edge lying in a diametric line midway between said chopping edges, said cutting edge and said forward chopping faces being curved on arcs struck from centers which lie in a common straight line, and



the extremities of said cutting edge at the bit periphery projecting in advance of said chopping edges.

2,191,494
STUD WELDER
Edward F. Nelson, Vallejo, Calif.
Application July 5, 1938, Serial No. 217,345
11 Claims. (Cl. 219—4)



1. Apparatus for welding a member forming one electrode of an electric welding circuit to another member forming another electrode thereof, comprising means for movably supporting and releasably engaging one of said electrodes, means for moving said one of the electrodes away from the other of said electrodes to establish an arc gap between said electrodes, and means operative a predetermined interval of time after establishment of said arc gap for releasing said one of the electrodes from said movable supporting means to suddenly bring said electrodes together.

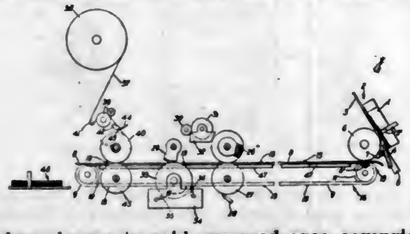
2,191,495
BOTTLE STOPPER FOR THE STORING OF STERILE LIQUIDS
Maurice M. Nesset, Glenview, Ill., assignor to Baxter Laboratories, Inc., Glenview, Ill., a corporation of Delaware
Application March 10, 1938, Serial No. 195,193
4 Claims. (Cl. 215—47)



4. A stopper for a container, comprising a rubber body having a non-halogenated interior core portion and an outer halogenated skin portion integral with said core portion.

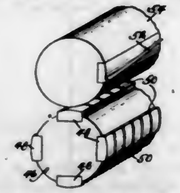
2,191,496
MACHINERY FOR MAKING WINDOW ENVELOPES
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co. Inc., New York, N. Y., a corporation of New York
Application August 29, 1934, Serial No. 741,921
Renewed February 17, 1939
10 Claims. (Cl. 93—61)

1. In apparatus of the character described, the combination of means for cutting a window in an envelope blank, comprising a rotary cutting die and a cooperating bed cylinder means for gumming a marginal area surrounding the window of an envelope comprising a rotary gummer and a cooperative bed cylinder, means for applying a



window closure to said gummed area comprising a rotary patch applier and a cooperative bed cylinder, and a pair of parallel endless, flexible, unitary conveyor members for positively advancing successive envelope blanks continuously in timed relationship and in harmony with the action of said instrumentalities.

2,191,497
METHOD OF AND APPARATUS FOR MAKING BAGS AND THE LIKE
Adolph Potdevin, Garden City, and Paul Hunziker, Hamilton Beach, N. Y., assignors to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application January 6, 1937, Serial No. 119,218
11 Claims. (Cl. 164—68)



11. A perforator for bag material, comprising in combination a pair of driven rollers, one of which is provided at its periphery with a substantially non-rectilinear perforating strip, the points of the cutting edge of which are equidistant from the axis of its roller, the other of said rollers being provided with circumferential peripheral grooves whereby the said perforating strip perforates the bag making material between said peripheral grooves as the rollers are rotated.

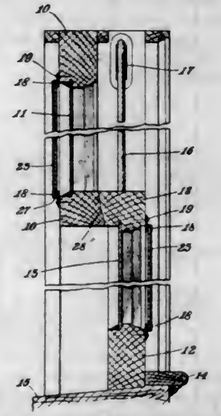
2,191,498
MINERAL OIL COMPOSITION AND METHOD OF MAKING
Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 27, 1935, Serial No. 51,969
11 Claims. (Cl. 87—9)

1. A mineral oil comprising a mixture of liquid oils and waxy hydrocarbons and having incorporated therein, a small proportion of wax-substituted phenol prepared from chlor-wax, unsubstituted phenol and anhydrous aluminum chloride by heating to around 350° F. and thereafter adding water to the mixture to effect removal of the aluminum chloride, the chlorwax containing around 14% of chlorine and the proportions of the ingredients being such that around four atoms of chlorine are originally present in the chlorwax for each molecule of phenol and there is also present about 3% of aluminum chloride based on the chlorwax, the pour point of the oil being depressed by said wax-substituted phenol.

2,191,499
PETROLEUM WAX ALKYLATED PHENOL AND A PROCESS OF MAKING IT
Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Original application November 27, 1935, Serial No. 51,969. Divided and this application March 26, 1937, Serial No. 133,270
20 Claims. (Cl. 260—624)

20. As a new composition of matter, a substantially pure poly-wax-substituted phenol otherwise unsubstituted formed by interacting chlorinated paraffin wax and phenol with heating in the presence of aluminum chloride at a temperature in excess of about 200° F. sufficiently high to cause substantial alkylation and adding water thereto to effect removal of aluminum chloride, the said product being effective when added in a minor proportion to a mineral oil of high pour point to substantially depress the pour point of said oil.

2,191,500
METHOD AND MEANS FOR INSULATING WINDOWS, DOORS, AND THE LIKE
Paul A. Rosling, Caldwell, N. J.
Application June 12, 1937, Serial No. 147,808
2 Claims. (Cl. 20—56.5)



1. A metallic moulding for holding the edges of glass, comprising a U-shaped section formed with two bends, and a holding flange formed with a third bend, the outer edge of said flange terminating in a slightly inwardly-curved hook portion adapted to enter a shallow groove in the sash to which it is applied, for sealing and holding purposes.

2,191,501
THERMOSTATIC CIRCUIT INTERRUPTER
Lambert Schmidt, Leeds, N. Y.
Application March 19, 1937, Serial No. 131,822
15 Claims. (Cl. 200—116)

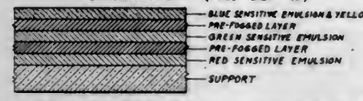
12. A circuit breaker so constructed and arranged as to cooperate with a cutout, said circuit breaker having a conducting member and a pair

of terminals therein, said terminals being movable, upon engagement of said circuit breaker in said cut-out, into position engaging said conducting member to complete a circuit through said



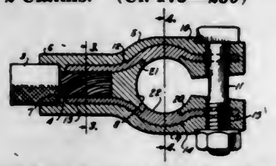
circuit breaker, and means operable upon overload for moving said terminals simultaneously in opposite directions out of contact with said conducting member.

2,191,502
MULTICOLOR FILM AND PROCESS
Virgil Bernard Sease, New Brunswick, and John Rau Weber, South River, N. J., assignors to du Pont Film Mfg. Company, New York, N. Y., a corporation of Delaware
Application January 22, 1937, Serial No. 121,904
6 Claims. (Cl. 95—2)



1. A photographic element comprising a transparent base having at least two differentially sensitized emulsion layers superimposed thereon, one of said layers being imposed directly upon the base and a layer of pre-fogged silver salts interposed between said emulsion layers.

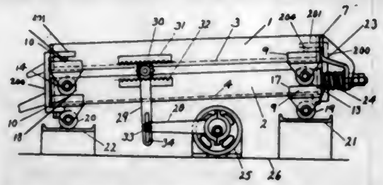
2,191,503
TERMINAL
Jay C. Shumway, Pittsburgh, Pa.
Application July 13, 1938, Serial No. 218,924
2 Claims. (Cl. 173—259)



2. An insert for a battery terminal having front and rear ends bowed intermediately thereof, and a coating surrounding the insert, the rear end of said insert having current conducting engagement with a battery cable, the bowed portion of said insert having an inwardly laterally disposed thickened portion forming an extension and a flush continuation of the surrounding coating for the insert and having exposed contact with a battery post for facilitating passage of current between the battery and the cable.

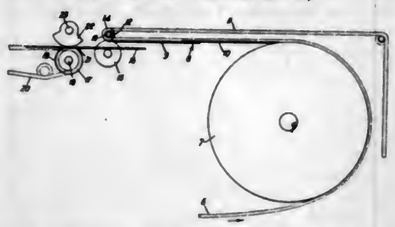
2,191,504
VIBRATIONAL MACHINERY
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application November 23, 1936, Serial No. 112,250
5 Claims. (Cl. 209—365)

1. A machine of the type described comprising two screens, means positioning said screens one above the other and allowing free motion in approximately a horizontal direction, means elastically coupling said screens together, a motor having an eccentric drive, a lever, means coupling



said lever to said drive to provide an oscillation thereof, a gear forming the fulcrum of the lever and a pair of racks engaging said gear at points 180° apart on said gear, means mounting said racks respectively opposite one another on said screens.

2,191,505
MANUFACTURE OF WINDOW ENVELOPES
Ferdinand L. Smithe, New York, and Abraham Novick, Flushing, N. Y., assignors to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application July 13, 1934, Serial No. 734,978
Renewed October 6, 1938
14 Claims. (Cl. 271—1)

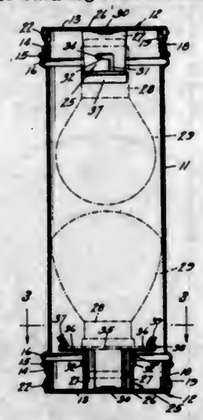


1. In a machine for making window envelopes, in combination, means for delivering window blanks in a fanned outpack with the overlapping bodies of the leading blanks free from contact with each other in the window areas, and means for engaging the leading margin of the foremost blank in advance of the leading margin of the second blank and pulling the foremost blank clear of the pack.

2,191,506
CONTAINER
George D. Snyder, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 10, 1936, Serial No. 100,187
3 Claims. (Cl. 206—1)

1. A container for electric light bulbs and the like, comprising a tubular body open at one end, a detachable closure for said end and a U-shaped bracket secured to said closure, said bracket including a plurality of separate pairs of diametrically opposed resilient leg members each arranged to hold a light bulb within the body spaced away from the walls thereof, one pair of said leg members being radially offset outwardly relative to another pair of said members to provide a greater area between said first mentioned pair of leg members, said pairs of leg members being located concentrically with respect to each other to exclude the use of one pair when the other pair is in use, one of said pairs of leg members having means thereon for resiliently holding the

base portion of a light bulb of one conformation, the other pair of said leg members having means



thereon for resiliently holding the base portion of a light bulb having a different conformation.

2,191,507
DISCHARGE DEVICE
Hans J. Spanner, Berlin-Kladow, Germany
Application August 14, 1937, Serial No. 159,042
In Germany February 16, 1933
4 Claims. (Cl. 176—125)



1. A vapor discharge device which comprises an envelope, solid activated electrodes spaced apart therein, a provision of a vaporizable material adapted to be vaporized in operation to provide an atmosphere for carrying the discharge but normally to leave an unvaporized excess, at least one hollow appendage on said envelope spaced from the path of the discharge between the electrodes positioned so that the excess vaporizable material collects therein by condensation, having a total capacity not less than the volume of excess vaporizable material which remains unvaporized during normal operation, and so narrow that said material may be held therein against gravity by surface tension, whereby any part of said vaporizable material which is not normally vaporized during operation of the device is retained in said narrow appendage.

2,191,508
PHOTOGRAPHIC FILM CARRIER AND DEVELOPMENT RECEPTACLE
Robert Stuart, Forest Hills, N. Y.
Application February 6, 1939, Serial No. 254,793
12 Claims. (Cl. 95—90)

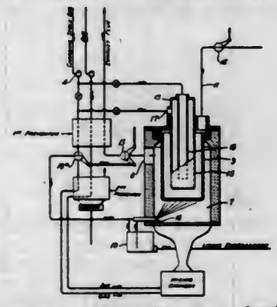


1. A film carrier comprising a holder for the film, a frame engaging said holder and exposing one face of the film and a cup-shaped receptacle slidably enclosing said frame, said receptacle being adapted for insertion in a camera to expose the film when the receptacle is slid to the open position.

2,191,509
CANNED FOOD COMPOSITION
James F. Walsh, Chicago, Ill., and Archie L. Rawlins, Hammond, Ind., assignors to American Maize-Products Company, a corporation of Maine
No Drawing. Application November 5, 1937, Serial No. 172,900
7 Claims. (Cl. 99—182)

7. An edible, dried, partially pasted, water-absorbent starch-protein material for use as an adjunct to foods which normally carry a substantial water content, said material being substantially free of water soluble substances, substantially free of objectionable odors and taste and slightly pasted sufficient to provide a water absorption capacity appreciably above but not greater than about twice that of common, unmodified starch, and without hydrolysis of the starch of said material into dextrins and sugars, the starch granules of said material being swollen but not appreciably ruptured.

2,191,510
MANUFACTURE OF HYDROCARBONS
Bert W. Whitehurst, New London, Conn., assignor to Whitehurst Research Corporation, a corporation of New Jersey
Application September 25, 1935, Serial No. 41,961
16 Claims. (Cl. 260—679)



4. The process of reforming hydrocarbons, which comprises directing flows of hydrocarbon and air into a combustion chamber and over but not through a gas permeable wall thereof, burning the same therein to establish a reactive temperature in said wall, stopping the air flow while continuing the hydrocarbon flow and, after a purging interval, passing the hydrocarbon flow through said wall, then stopping the flow through the wall and reinstating the air flow to the chamber.

2,191,511
AUTOMATIC ASHTRAY FEEDER CONTAINER
Abraham Baff, North Arlington, N. J.
Application August 20, 1938, Serial No. 225,871
2 Claims. (Cl. 312—43)

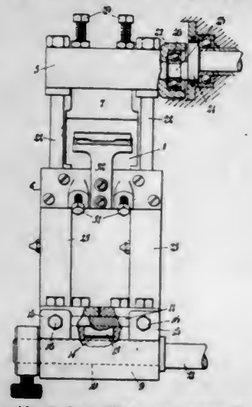
1. A feeder for automatically feeding and delivering ashtrays comprising a container having a bottom and an upstanding wall, and an open top, a movable plate in said container, a helical spring having a flat bottom resting on the bottom of said container, and engaging said plate

for gradually feeding the said plate towards the open top of the container, said container having a plurality of depressions in its upper margin to present a fingerhold for gripping the uppermost



ashtray to facilitate its removal from the container, and a means to stop the feeding upon the removal of the individual uppermost ashtray of the stack.

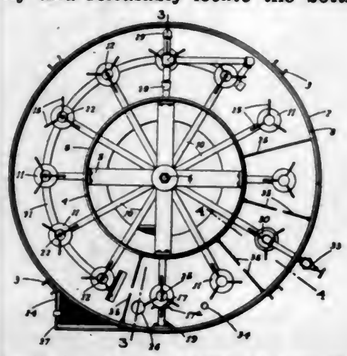
2,191,512
WEB SEVERING MECHANISM
Arthur Bell, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 20, 1938, Serial No. 225,975
In Great Britain September 28, 1937
6 Claims. (Cl. 164—47)



1. A mounting for the co-operating knives of a web severing mechanism, comprising upper and lower parts carrying co-operating knife elements and movable relatively to one another longitudinally of the mounting, a fixed supporting spindle transfixing said lower part and around which said mounting can be swung bodily to shift the shearing line selectively forward and backward relatively to the length of the web, a pivotal connection between said lower mounting part and said transverse spindle to permit rotative adjustment bodily of the mounting around its longitudinal axis perpendicular to the axis of said spindle, to set the line of shear of the knives obliquely to the direction of web-feed, and means to cause relative shearing movement as between said knives, by relative reciprocation between said knife-carrying parts, in the various positions of said swinging and rotative adjustment of said mounting relatively to said web.

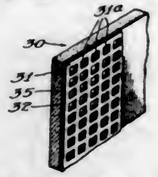
2,191,513
BOTTLE WASHER
William P. Bigelow, Stockton, Calif.
Application March 13, 1937, Serial No. 130,714
2 Claims. (Cl. 141—7)

1. In a bottle washing machine including an enclosure forming a washing chamber, said enclosure having a bottle passage opening therethrough, a plurality of spaced bottle supporting units disposed in a row in the washing chamber, means in the chamber to wash bottles supported on said units, means mounting said units for movement along the chamber, and means to consecutively and releasably locate the bottle sup-



porting units in position accessible from said bottle passage opening; said last named means comprising a disc included with each bottle supporting unit, a portion of the periphery of said discs projecting clear of said mounting means, and a spring pressed saddle mounted in connection with the enclosure in the path of said disc portions and arranged to frictionally and releasably engage the same in consecutive order.

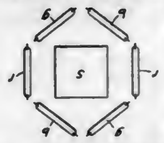
2,191,514
DUPLICATING BAND
Johan Bjorksten, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application January 31, 1938, Serial No. 187,810
3 Claims. (Cl. 41—31.6)



1. In a hectograph band capable of being wound into a roll, the combination of a thin flexible backing sheet of non-absorbent material, coating means covering one face of said backing sheet and comprising an effective proportion of dye absorbent material for expediting the clearing of the band for repeated use, and a layer of gelatinous material bonded effectively to said first-named coating and of comparatively much greater thickness than that of the backing sheet which is made of substantially the minimum thickness consistent with the required strength.

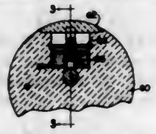
2,191,515
COLOR TELEVISION
Otto von Bronk, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 6, 1938, Serial No. 183,566
In Germany January 7, 1937
3 Claims. (Cl. 178—5.2)

1. The method of producing substantially natural color television images which comprises the steps of cyclically transmitting signals each individually representing a different color value of the subject, producing a series of negative black



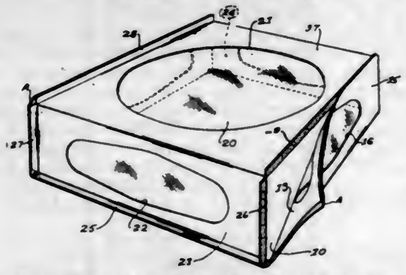
and white images on the viewing screen, and simultaneously and successively illuminating the screen by differently colored light sources in synchronism with and corresponding to the images produced by the transmitted signals.

2,191,516
TACTUAL SIGNAL
Stuart H. Caldwell, Detroit, Mich., assignor to Kelch Heater Company, Detroit, Mich., a corporation of Michigan
Application May 24, 1937, Serial No. 144,524
4 Claims. (Cl. 177—324)



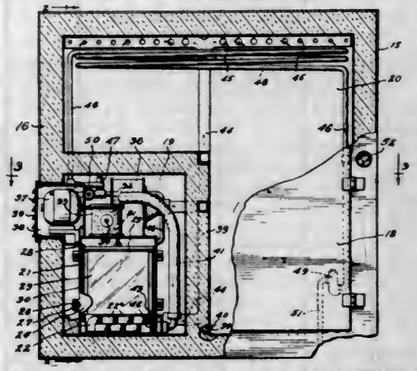
1. A control member adapted to serve as a tactual signal comprising a pair of similarly shaped abutting members adapted to be gripped at various places throughout their extent, said members, when abutting, presenting a substantially smoothly rounded cross section, one of said members being provided with a plurality of recesses, resilient means in some of said recesses connecting said members and urging them together, and motor means in other of said recesses adapted to separate said members uniformly throughout their extent.

2,191,517
BOX
John H. Carson, Marion, Ind.
Application August 8, 1938, Serial No. 223,640
7 Claims. (Cl. 229—23)



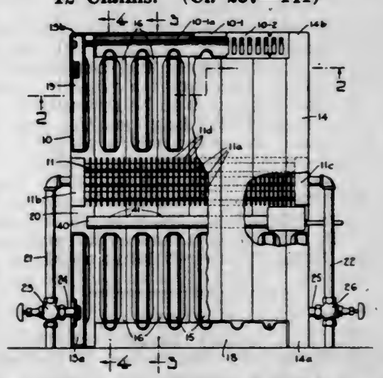
1. A box formed of two blanks to have top and bottom portions, intervening side and end walls, one set of said walls being set back inwardly from the marginal edges of the walls of the other set, and flanges extending outwardly from the walls of said set-back set along the walls of said other set and secured thereto, one of said portions also being spaced inwardly from the edges of the intervening walls, and flanges extending from said one portion outwardly on two of the intervening walls and secured thereto.

2,191,518
MEANS OF REFRIGERATION
Leonard Frank Clerc, Chicago, Ill.
Application June 17, 1938, Serial No. 214,291
2 Claims. (Cl. 62—91.5)



1. In a device of the character described, the combination of a space to be cooled, a compartment insulated from said space, a container in said compartment, a heat exchange unit positioned in the bottom of said container, a solid refrigerant in contact with and resting upon said heat exchange unit, means to force air through said heat exchange unit and into said space to be cooled, a cooling coil positioned in said space to be cooled, said coil being connected to said refrigerant container and adapted to draw off the gas resulting from the sublimation of the solid refrigerant, said gas and said coil being adapted to serve as an ancillary refrigerating medium in the space to be cooled, and means to regulate the pressure in the container, in the connecting line, and in the coil.

2,191,519
HEAT EXCHANGE UNIT
Edward S. Cornell, Jr., Larchmont, N. Y., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application July 31, 1937, Serial No. 156,689
12 Claims. (Cl. 257—141)



1. A unit heat exchanger comprising radiant convector means having a relatively low thermal conductivity and air flow passages, said radiant convector means being cooperatively associated in direct air flow communication with radiant convector means having a relatively high thermal conductivity and air flow passages, the air

flow passages of said radiant convectors being aligned substantially vertically, both of said radiant convector means being provided with passages for confining flow of a thermal fluid in contact with heat exchange walls thereof.

2,191,520

PROCESS FOR POLYMERIZING LOWER ALKYL ESTERS OF ACRYLIC ACID

John William Croom Crawford, Frodsham, England, and James McGrath, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 5, 1938, Serial No. 206,277. In Great Britain October 25, 1933

15 Claims. (Cl. 260—83)

1. A process for the preparation of polymeric lower alkyl esters of acrylic acid in granular form which comprises dispersing and polymerizing while thus dispersed a monomeric lower alkyl ester of acrylic acid in a non-solvent therefor by means of a dispersing agent and stirring, the concentration of the dispersing agent being not substantially greater than an amount sufficient to maintain the ester in the dispersed phase while stirring is continued and to prevent coalescence of the dispersed particles during polymerization; the quantity of dispersing agent also being insufficient to give a permanently dispersed product.

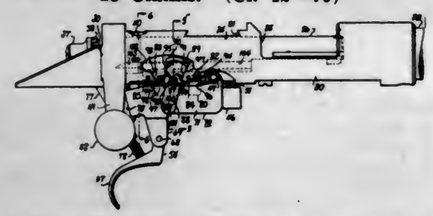
2,191,521

SAFETY MECHANISM FOR FIREARMS

Harry L. Crockett, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

Application February 1, 1937, Serial No. 123,415

18 Claims. (Cl. 42—70)



1. In a firearm the combination with a spring-pressed firing-member; of a sear for releasably holding the firing-member and continuously acted on to release the same; a trigger associated with the sear to cause it to be retained in a normal firing-member-holding position and operable to release the sear; and a manually-operable safety-member having a sear-shifting portion movable to engage with and shift the sear from the said normal firing-member-holding position, and supporting the sear to temporarily replace the trigger with respect to retaining the sear in a firing-member-holding position.

2,191,522

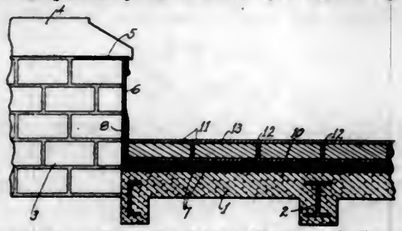
FLAT ROOF

Clarence R. Eckert, Englewood, N. J., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware

Application March 16, 1937, Serial No. 131,122

7 Claims. (Cl. 108—6)

1. A substantially flat deck having a continuous waterproofing covering thereon, a resilient wear-resistant protective covering overlaying said continuous water-proofing covering and comprising a plurality of units of felted fiberboard, the units of felted fiberboard having within the interstitial structure thereof and extending throughout a secondary continuous skeletonal structure of bituminous material, the bituminous material partially but not completely filling the



interstitial voids of the felted fiberboard, the such units having edges in proximity each with the other and comprising a continuous protective layer overlaying the continuous water-proofing covering, the said protective covering constituting a wear-resistant and resilient layer overlaying the water-proofing covering.

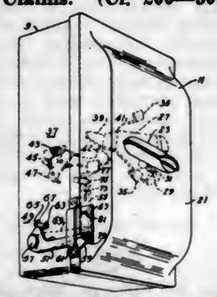
2,191,523

ENCLOSED CIRCUIT BREAKER

Delbert Ellis, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 8, 1938, Serial No. 212,437

15 Claims. (Cl. 200—50)



1. In an enclosing cabinet for a circuit interrupter having a movable handle, a casing in which the circuit interrupter is mounted, an openable cover for said casing having an operating handle thereon for moving the interrupter handle to various positions to operate the interrupter, and a locking device operable from outside said cabinet for locking said cover closed and said interrupter handle in a predetermined position comprising a locking element movable independently of said operating handle and operable when locked in one position to lock said cover closed and to lock said interrupter handle in said predetermined position.

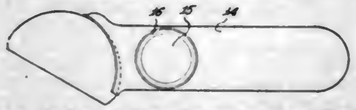
2,191,524

DIPPER FOR ICE CREAM OR OTHER USAGE

Walter Harvey Ellis, Detroit, Mich.

Application February 17, 1939, Serial No. 256,968

7 Claims. (Cl. 107—48)



1. In a device of the character described having a rigid, bowl-shaped proportioning member, a flexible diaphragm normally seated against the surface of one side of the member, an annular cutter arranged between and sealed to the marginal portions of the member and said diaphragm, means for establishing a pressure between the member and said diaphragm for separating from the member substantially that portion of said diaphragm disposed within said cutter.

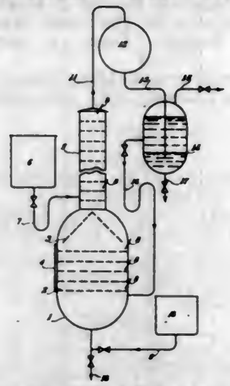
2,191,525

PREPARATION OF CELLULOSE DERIVATIVES

Joseph Fleischer, Clifton Terrace, Ill., and William A. Bailey, Jr., Baltimore, Md., assignors to The Cellulose Research Corporation, East Alton, Ill., a corporation of Delaware

Application May 5, 1937, Serial No. 140,820

7 Claims. (Cl. 260—227)



1. The method of conditioning cellulose for chemical treatment comprising providing purified cellulose with its fibers in swollen condition and saturated with water, subjecting the said water-saturated cellulose to distillation in the presence of a low molecular weight fatty acid which is totally miscible with and uniformly less volatile than water such as acetic, propionic or butyric, and of an organic solvent which is miscible with and more volatile than the said acid and immiscible with water, said combined liquids forming a homogeneous liquid phase at distillation temperatures, and continuing the distillation until the cellulose is substantially free of water and solvent and saturated with said acid so as to maintain the cellulose fibers in swollen condition.

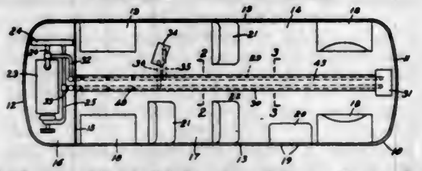
2,191,526

MOTOR VEHICLE

Howard A. Flogaus, Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich., a corporation of Michigan

Application May 9, 1938, Serial No. 206,782

7 Claims. (Cl. 237—12.3)



1. In a motor vehicle comprising a frame having a plurality of cross members, a hollow body having wheel housings extending upwardly thereinto adjacent the opposite sides thereof, and a floor supported on said cross members, said floor including an upwardly opening channel located between said wheel housings and extending longitudinally of said body, fluid heating means at one end of said body, a heat exchanger at the other end of said body, ducts connecting said fluid heating means and said heat exchanger for conveying fluid between them, said ducts being located in said channel, and a cover for concealing said ducts, said cover overlying said channel and being secured to said floor.

2,191,527

CLOTHES STICK

William F. Heuer, Quincy, Ill.

Application September 16, 1939, Serial No. 295,313

1 Claim. (Cl. 294—23.5)



A clothes stick formed from a single piece of wood and having an elongated cylindrical portion at one end constituting a handle, a substantially hemispherical portion at its other end constituting a head, and an intermediate portion tapering gradually and continuously without interruption from the handle portion to said head, the reduced end of said tapered intermediate portion connecting into the rear of said head at substantially the center thereof and having a smaller area than the rear of said head whereby the marginal rear face of the head provides an annular shoulder, the rear face of the head providing said shoulder being grooved circumferentially with the base of said groove disposed at substantially an acute angle to the adjacent peripheral surface of the head so that the junction between the rear face of said head providing said shoulder and the peripheral surface of said head is relatively sharp and provides a circular edge for clawing engagement with the clothes.

2,191,528

SPRING HOLDER FOR VEHICLES

Frank B. Hewel, Pittsburgh, Pa.

Application June 30, 1937, Serial No. 151,082

6 Claims. (Cl. 267—54)



1. A vehicle spring structure comprising a plurality of spring leaves of different lengths, an elongated member having top and bottom arms extending lengthwise of said leaves, said arms having an irregular slot between them to fit the ends of a plurality of said leaves and having an aperture extending transversely thereof, and means mounted in said aperture for pivotally attaching said member to the vehicle frame.

2,191,529

WEIGHING APPARATUS

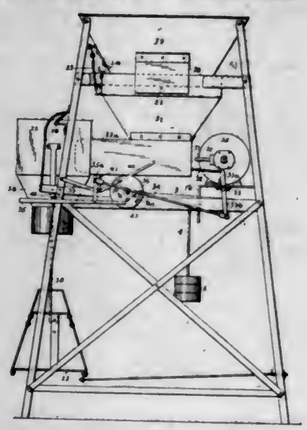
Einar Holm, Passaic, N. J.

Application August 23, 1938, Serial No. 226,213

13 Claims. (Cl. 249—2)

1. In combination, supporting structure, a

movable hopper supported thereby, a constantly moving vibrator, said hopper being normally held in a position out of but movable to within



the range of movement of the vibrator, and bodily movable elastic yielding means to move the hopper into the range of movement of the vibrator.

2,191,530

COATING COMPOSITION

Robert Tyler Hucks, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 5, 1938, Serial No. 200,123

7 Claims. (Cl. 260—16)

3. A non-bronzing maroon cellulose nitrate coating composition comprising cellulose nitrate, an alkyd resin and an azo pigment selected from the class consisting of diazotized meta-nitro-para-anisidine coupled with meta-nitranilide of 2-hydroxy-3 naphthoic acid and diazotized meta-nitro-ortho-anisidine coupled with meta-nitranilide of 2-hydroxy-3 naphthoic acid.

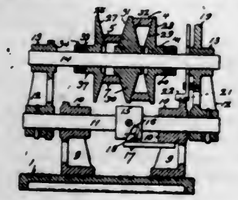
2,191,531

VARIABLE SPEED DRIVE

Oscar I. Judelshon, Park Ridge, N. J.

Application April 22, 1936, Serial No. 75,701

1 Claim. (Cl. 74—230.17)



In a variable speed power transmission mechanism, driving and driven pulleys rotatable on parallel axes, a shaft rotatable on an axis parallel of the pulleys, expansible belt groove forming pulley means on said shaft including a pair of end flange members each having a hub portion with a diametrical V recess in the end loosely engaged on the shaft and a flange member slidable on the shaft intermediate of and forming with said end flange members a pair of belt engaging grooves, a belt travelling around the driving pulley and belt groove formed by one end flange member and the intermediate flange member, a belt travelling around the driven pulley and the other belt groove formed by the other end flange member and the intermediate member, and collars fixed on the shaft opposed to the ends of the hubs of the end flange members having diametrical V projections to engage the V recesses in said hubs to couple the end flange members to the shaft and permit of oscillatory and axial movements of said end flange members on the shaft and adapted to have independent oscillatory and axial movements on the shaft to apply lateral pressure to the belts by and in accordance with the torque in the belts.

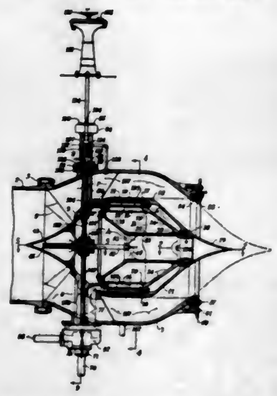
2,191,532

INTERIOR DIFFERENTIAL NEEDLE VALVE

Phillip A. Kinzie and Grover J. Hornsby, Denver, Colo., assignors to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado

Application March 3, 1936, Serial No. 66,782

11 Claims. (Cl. 137—139)



1. In a needle valve, a casing having a throughway for fluid, telescoping parts, one fixed to the casing and another movable therealong, said movable part being a flow control element for the throughway and having one end closed and means including hollow annular spaced walls defining an annular compartment within said closed end, and means for selectively energizing and relieving said chambers including means forming a fluid flow connection from the interior of the inner annular wall to one of said chambers controllable by movement of said movable part.

2,191,533

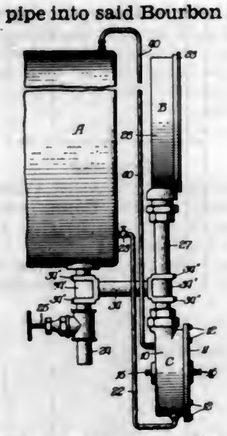
LIQUID VOLUME GAUGE

Carl Knobloch, Warren, Ohio

Application April 5, 1937, Serial No. 134,980

8 Claims. (Cl. 73—299)

1. In a liquid volume gauge of the type described responsive to and operated by the hydrostatic head of a body of liquid, the combination of a rotatable arbor, anti-friction bearings for the ends of said arbor, a spiral Bourdon tube formed with an inner closed end directly fastened to said arbor, means for fixedly supporting the outer end of said Bourdon tube, a pipe communicating with the outer end of said Bourdon tube, said pipe leading from a tank containing said body of liquid and said tank located at such a height as to produce a gravity flow of liquid through said pipe into said Bourdon tube, a liquid



volume indicator, and means for transmitting rotary movement of said arbor to said indicator.

2,191,534

MANUFACTURE AND TREATMENT OF TEXTILE FABRICS

Ralph James Mann and Albert Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 16, 1937, Serial No. 180,172. In Great Britain January 12, 1937

7 Claims. (Cl. 28—1)

1. Process for the manufacture of stiff, woven fabrics such as organdie, which comprises subjecting woven fabrics containing cellulose acetate yarns to the action of an aqueous solution of a water-soluble alcohol for a period of the order of 5 seconds, then treating the fabric with warm water so as to remove the alcohol and drying the fabric whereby a stiffened fabric is produced.

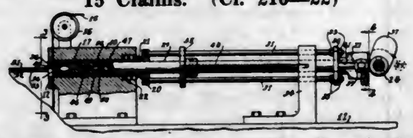
2,191,535

APPARATUS FOR SEALING FOLDERS, BOOKLETS, OR LIKE ARTICLES

Thomas C. McNeill, Chicago, Ill.

Application June 9, 1939, Serial No. 278,313

15 Claims. (Cl. 216—22)



1. In a sealing device, a cutting die adapted to cut a sealing tab from a strip of gummed material, and means movable within said die and adapted to move beyond the cutting end thereof to engage a tab cut by said die and fold it over and engage it with the open end and outer sides of an article to be sealed.

2,191,536

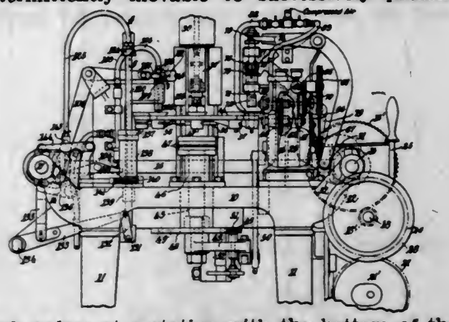
MACHINE FOR FINISHING RUBBER VALVE STEMS

Philip Michel, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application December 2, 1937, Serial No. 177,758

10 Claims. (Cl. 29—33)

1. A machine of the character described, comprising a conveyor for carrying valve members having an enlarged rubber base, said conveyor having sockets therein for receiving and supporting such valves in spaced relation and being intermittently movable to successively present



such valves at a station with the bottom of the flange facing outwardly, and discharge means at said station comprising a reciprocably movable member having means adapted to engage and withdraw a valve from a socket.

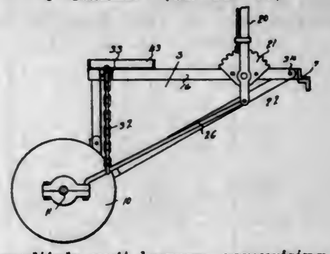
2,191,537

DISK HARROW

Samuel Johnston Miller, Corpus Christi, Tex., assignor of fifty per cent to Fleury-Bissell Limited, Elora, Ontario, Canada, an incorporated company

Application May 5, 1938, Serial No. 206,142

6 Claims. (Cl. 55—73)



1. A multiple unit harrow comprising a main frame, a supporting axle and wheels mounted on said axle, a series of disk harrow units hingedly attached to said main frame, each of said units comprising a frame, a supporting axle and a plurality of disks mounted on said axle, a universal joint approximate to one end of said last-mentioned axle, means for adjusting the horizontal and vertical angles of each disk unit relative to the direction of movement of said harrow by pivoting said axle on said universal joint and means for securing said axle firmly in its adjusted position.

2,191,538

ROTARY MOTION TRANSLATING DEVICE

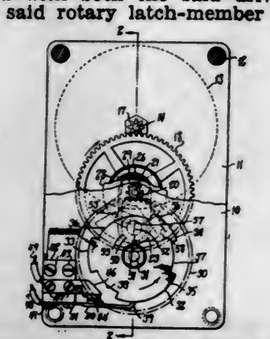
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut

Application June 27, 1938, Serial No. 216,177

6 Claims. (Cl. 74—112)

1. A rotary-motion translating-device, including in combination: a substantially-constantly-rotating driving-member; an intermittently-rotating driven-member; resilient coupling-means operatively interconnecting the said driving-member with the said driven-member

for effecting the movement of the latter by the former; a stop-abutment; a rotary latch-member releasably engageable with the said stop-abutment; latch-releasing means operatively connected with both the said driving-member and the said rotary latch-member for turning



the latter out of engagement with the said stop-abutment to release the said driven-member for rapid movement by the said resilient coupling-means; and automatic positive-coupling means acting to cause the said driving-member to positively drive the said driven-member when the said resilient coupling-means fails to function.

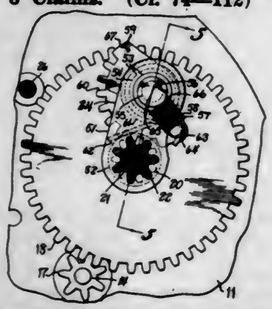
2,191,539

ROTARY MOTION TRANSLATING DEVICE

Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut

Application June 29, 1939, Serial No. 281,806

8 Claims. (Cl. 74—112)



1. A rotary motion translating device, including in combination: a substantially-constantly-rotating driving-member; an intermittently-rotating driven-member; a stop-abutment; and intermittently-acting coupling-means operatively interposed between the said driving-member and the said driven-member for causing the former to intermittently actuate the latter, and comprising: a rotary-arm mounted for step-by-step movement, a rotary latch-member carried by the said rotary-arm at a point eccentric with respect to the center of rotation of the said rotary-arm in position to releasably engage with the said stop-abutment, an energy-storing spring carried by the said rotary-arm and bodily movable therewith around the center of rotation of the said rotary-arm and tensioned by the said driving-member during the intervals between the successive intermittent movements of the said driven-member, and latch-releasing means operatively connected to both the said driving-member and the said rotary latch-member for turning the latter out of engagement with the said stop-abutment to release the said rotary-arm to the action of the said energy-storing spring to effect the movement of the said driven-member and the bodily movement of the said energy-storing spring itself around the rotational center of the said rotary-arm.

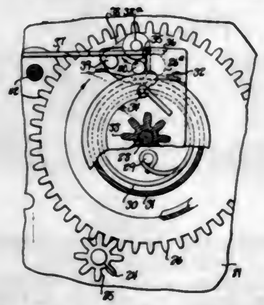
2,191,540

ROTARY MOTION TRANSLATING DEVICE

Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut

Application June 29, 1939, Serial No. 281,807

10 Claims. (Cl. 74—112)



1. A rotary motion translating device comprising in combination: a substantially-continuously-rotating driving-member; an intermittently-driven member having a latching-abutment; a transmitting-spring operatively-connected to both the said members and forming a yielding driving-connection therebetween; a retirable latching-member releasably engageable with the latching-abutment of the said intermittently-driven member to restrain the latter; and a latch-releasing member carried by and bodily movable with the said driving-member with respect to which latter it has movement, the said latch-releasing member having a first abutment and a second abutment, the said first abutment being brought into engagement with a portion of the said intermittently-driven member while the same is restrained by the said latching-member to shift the said second abutment and cause the same to retire the said latching-member.

2,191,541

ROTARY MOTION TRANSLATING DEVICE

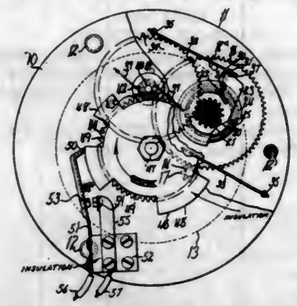
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut

Application July 28, 1939, Serial No. 287,097

1 Claim. (Cl. 74—84)

A rotary motion translating device including in combination: a substantially-continuously-rotating driving-member; an intermittently-rotating driven-member; a stop-member carried by and turning with the said driven-member; a transmitting-spring operatively interposed between the said driving-member and the said driven-member; a releasing-member carried by and turning with the said substantially-continuously-rotating driving-member; and a pair of inherently-resilient corresponding spring-like latching-members circumferentially spaced around the path of movement of the said rotating stop-member and each having a free end directed in the same direction as the direction of rotation of the said releasing-member, each of the said latching-members being formed adjacent

its free end with an opening having an outer end-wall providing a stop-abutment integrally connected on each of its respective opposite sides to the main portion of the given latch-member by a side-bar, the respective stop-abutments of the two said spring-like latching-members being positioned to be alternately engaged by the said



stop-member, and each of the said latching-members having a portion intermediate its respective opposite ends positioned to be engaged by the said releasing-member; whereby each of the said spring-like latching-members is subjected substantially only to tension strains when the said stop-member engages with the stop-abutment of each latch-member.

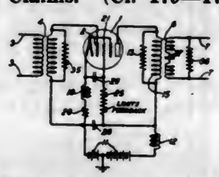
2,191,542

VACUUM TUBE CIRCUITS

Donald D. Robertson, Hartsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 15, 1937, Serial No. 179,842

7 Claims. (Cl. 179—171)



4. A wave translating system comprising a multigrid space discharge tube having an anode-cathode alternating current path, an inductance in said path, a circuit comprising said inductance connecting the cathode to one of the grids, a second circuit comprising a resistance and said inductance in serial relation connecting the cathode to another of the grids, and a capacity of low reactance for frequencies of the waves to be translated connected across a portion of said second circuit including said inductance and said resistance, said resistance having impedance low compared to that of said inductance for said frequencies.

2,191,543

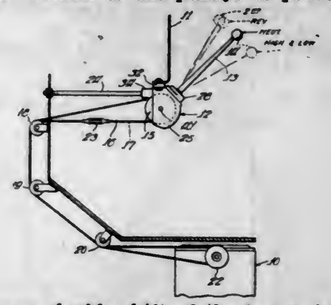
TRANSMISSION CONTROL

William B. Osborne, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application November 1, 1937, Serial No. 172,117

19 Claims. (Cl. 74—473)

1. A control for a shiftable transmission device comprising spaced pulleys, means connecting the pulleys with the shiftable transmission device, a support for said pulleys, said support including a boss extending between said pulleys, and means in said boss for preventing simultaneous rotation of the pulleys to prevent a si-



multaneous double shift of the transmission device.

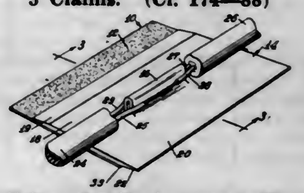
2,191,544

WIRE SPLICER

Henry Ruskin, Chicago, Ill.

Application October 19, 1936, Serial No. 106,402

5 Claims. (Cl. 174—88)



1. A splicing sheath for use with electrical cables and comprising a base sheet of non-conductive material having an adhesive surface, a sheet of insulating material adhesively joined with said base sheet and having beveled edge portions on opposite sides thereof, together with an integrally extended body portion adapted to fit between spliced conductors of the cable and the said base sheet and insulating sheet thereon being adapted to be folded about the cable with the said beveled edge portions in substantially confronting relation, and an adhesive portion of said base sheet being adapted to be adhesively secured to itself to form a sleeve about the cable.

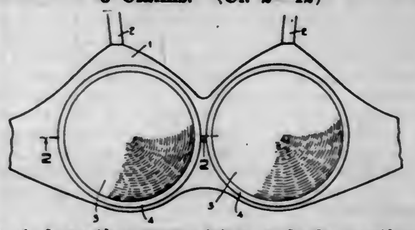
2,191,545

WEARING APPAREL

George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

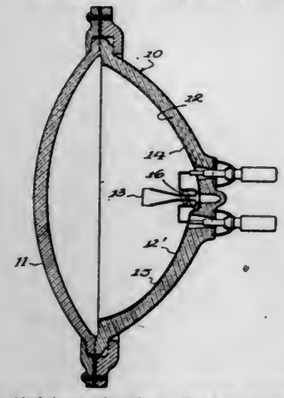
Application July 1, 1937, Serial No. 151,385

5 Claims. (Cl. 2—42)



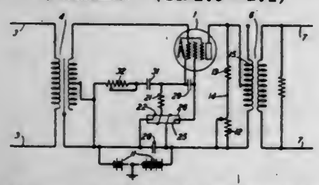
1. A brassière comprising a body portion of textile fabric containing filaments or fibers of a thermoplastic derivative of cellulose and having seamless pockets therein produced by molding said body portion, said pockets and body portion being formed of the same continuous piece of fabric, and reinforcing means at the junction of said molded pockets and said body portion for preventing said pockets from assuming the flat form of said body portion.

2,191,546
VEHICLE HEAD LAMP
Max Schreiber, Chicago, Ill.
Application April 1, 1939, Serial No. 265,426
9 Claims. (Cl. 176—34)



1. In a light-projecting device comprising an hermetically sealed envelope provided with a luminant therein, a concave reflector portion and a lens, said reflector portion consisting of upper and lower portions substantially optically independent of one another thereby producing two independent beams of light.

2,191,547
ELECTRIC WAVE AMPLIFYING SYSTEM
Joseph O. Smethurst, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1937, Serial No. 133,814
7 Claims. (Cl. 179—171)

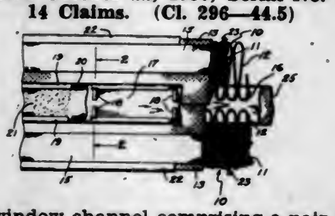


1. A system for translating signaling waves comprising an electric space discharge device having anode and grid circuits and gain control means for said device comprising an impedance common to said circuits having two electrically separate branches in parallel relation, one of said branches comprising in series a capacity and a resistance traversed by said signaling waves for providing negative feedback of the waves to be translated and the other of said branches comprising inductance and effectively in series therewith resistance traversed by anode direct current for providing grid biasing voltage, and means for varying said first-mentioned resistance sufficiently to vary said negative feedback through a substantial range.

2,191,548
POULTRY LICE EXTERMINATOR
Herbert J. Smith, University City, Mo., assignor to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application July 30, 1937, Serial No. 156,519
3 Claims. (Cl. 167—34)

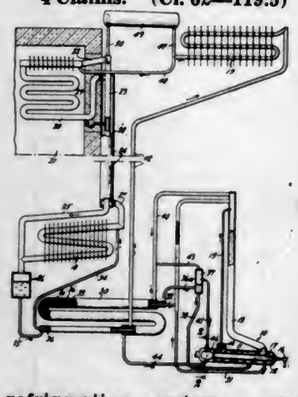
3. An insecticide for use on poultry perches, comprising a solution comprising glycerine and water and containing a relatively small percentage of a nicotine salt and a small percentage of a weak organic base of the class consisting of ethylenediamine, benzylamine, and phenylenediamine.

2,191,549
WINDOW CHANNEL
Louis Spraragen, Bridgeport, Conn., assignor to The Bridgeport Coach Lace Company, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application October 22, 1937, Serial No. 170,357
14 Claims. (Cl. 296—44.5)



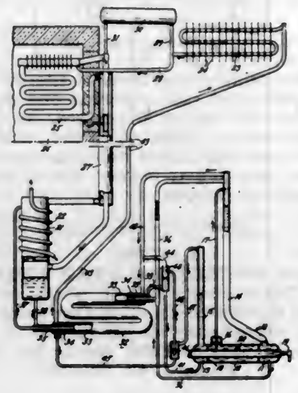
1. A window channel comprising a pair of side walls each including stiffening members comprising fibre warps and spring wire wefts interwoven, said wire wefts forming loops at the inner edges of the stiffening members, and a fabric covering for the stiffening members, resilient guide pads on the inner sides of said walls to engage the sides of the glass, a connecting base structure for the side walls overlapping the wire loops to secure the members against lateral separation, and an edge guide for the glass carried by said base structure.

2,191,550
REFRIGERATION
Hugo M. Ulstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 7, 1938, Serial No. 200,571
4 Claims. (Cl. 62—119.5)



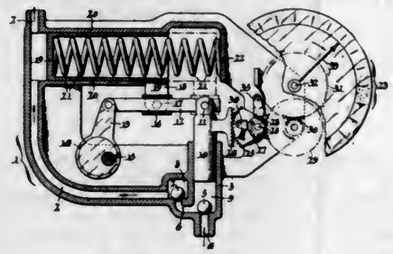
1. A refrigeration system containing refrigerant and liquid absorbent for the refrigerant, and having a generator, means for heating said generator, an absorber, a rectifier, a thermosyphon or vapor liquid lift for causing circulation of fluid between said generator and absorber, and a second thermosyphon or vapor liquid lift for causing circulation of fluid between said generator and rectifier, said second thermosyphon or vapor liquid lift being arranged to receive heat by transfer through liquid in the system.

2,191,551
REFRIGERATION
Hugo M. Ulstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 7, 1938, Serial No. 200,572
4 Claims. (Cl. 62—119.5)



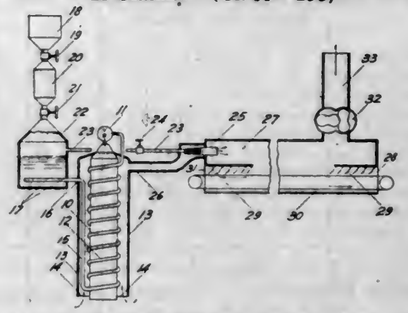
1. An absorption-refrigeration system including an absorber, a plurality of enclosures in which fluid therein is heated, members for circulation of absorption liquid through said absorber and enclosures in series respectively, a second one of said enclosures and said members cooperating to cause said liquid circulation by thermosyphon or vapor lift action, means to conduct vapor from any or all of said enclosures in thermal exchange relation out of physical contact with absorption liquid flowing from said absorber toward said enclosures and below the surface level of liquid in said absorber, and means to elevate condensate from said vapor by vapor from a first one of said enclosures.

2,191,552
DEVICE FOR MEASURING FUEL CONSUMPTION
Hans J. Zimmermann, Elkins Park, Pa.
Application February 17, 1939, Serial No. 256,853
16 Claims. (Cl. 73—198)



1. A device for metering the consumption of liquid comprising positively driven pumping structure having variable displacement, means to vary the length of the stroke of the pumping structure in accordance with the pressure of liquid in a discharge line from said structure, and means actuated in accordance with the stroke of the pumping structure to indicate the actual quantity of liquid pumped and consumed.

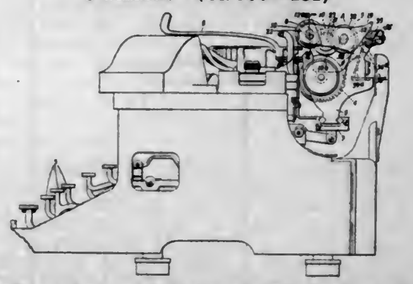
2,191,553
METHOD OF TREATING FRUITS AND VEGETABLES
Willard E. Baier, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application August 2, 1939, Serial No. 288,010
15 Claims. (Cl. 99—156)



1. A process for treating fresh fruit which comprises contacting the fresh fruit with an alkyl borate vapor.

13. A process for the preparation of trimethyl borate vapors which comprises passing a dry gas through a mixture of trimethyl borate and methyl alcohol.

2,191,554
CARBON FEEDING DEVICE FOR TYPEWRITERS
Benjamin James Bennett, Leicester, England
Application November 12, 1938, Serial No. 240,154
In Great Britain May 13, 1938
3 Claims. (Cl. 197—131)



2. In a device of the kind described, a driven platen, a pair of rollers adapted to receive the end portions of material wound around said platen, driving means interposed between said platen and said rollers, and a shiftable roller supporting means for drivingly connecting the platen to a selected roller.

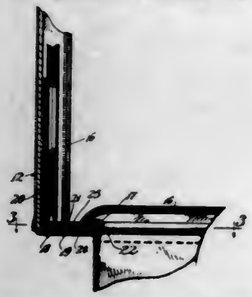
2,191,555
PROCESS FOR MAKING POROUS STRUCTURES
Julius F. T. Berliner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 9, 1938, Serial No. 229,222
11 Claims. (Cl. 106—24)

1. In the manufacture of porous building products, the step which comprises including with essentially non-alkaline cementitious materials reactants, at least one of which is an amide, which form nitrogen gas in situ.

2,191,556
POLYAMIDES
Wallace Hume Carothers, deceased, late of Wilmington, Del., by the Wilmington Trust Company, executor, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 16, 1938, Serial No. 225,242
13 Claims. (Cl. 260—78)

1. A process for making polymers which comprises heating at amide-forming temperatures substantially equimolecular proportions of a diprimary diamine and a substance of a class consisting of dicarboxylic acids and amide-forming derivatives of dibasic carboxylic acids, at least one of the reactants containing a heteroatom of the class consisting of oxygen and sulfur in the chain separating the amide-forming groups, and continuing said heating until a polymer is formed which is capable of yielding fibers exhibiting by X-ray diffraction patterns orientation along the fiber axis.

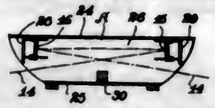
2,191,557
CONTAINER
Melvin H. Cline, Chicago, Ill., assignor to Eiseman-Kaye Company, Chicago, Ill., a corporation of Illinois
Application January 26, 1939, Serial No. 253,016
2 Claims. (Cl. 150—28)



1. A container comprising, in combination: a body portion comprising a flexible side member and a rigid bottom member secured to one edge of said side member; a rigid, continuous, wire frame carried in a pocket at the open edge of said side member; a coiled spring surrounding and secured at one end to the wire of said frame; a cover member hinged to said body member and formed with a rigid portion; the remaining end of said coiled spring extending to uncoiled position and held in sliding engagement with said rigid portion; said spring placed in coiling compression by closure of said cover about its hinge; external and internal portions of the side member extending and secured to said cover member to form portions of the hinge; and means to hold the cover closed against action of said spring tending to open the same.

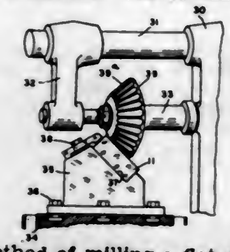
2,191,558
HIGHWAY VISION DEVICE
Ralph M. Cooley, St. Paul, Minn.
Application September 8, 1936, Serial No. 99,686
3 Claims. (Cl. 88—78)

2. A vision device comprising a tubular housing having open ends, means for mounting said housing adjacent a highway with its longitudinal axis substantially parallel to the center line of the highway, a mirror mounted transversely across each end of said housing with its reflecting surface facing the interior of the housing, each of said mirrors being of such dimensions and so positioned as to permit light rays entering the adjacent end of the housing to pass between an edge of the mirror and the adjacent wall of the



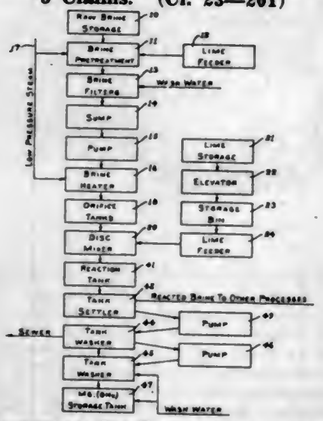
housing, the relative positions of the mirrors being such that light rays entering one end of the housing are received by the mirror at the other end of the housing, reflected to the mirror at the first mentioned end of the housing, and reflected by the last mentioned mirror through the said other end of the housing.

2,191,559
METHOD OF MILLING FLAT SURFACES
Robert S. Drummond, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application May 2, 1938, Serial No. 205,595
4 Claims. (Cl. 90—11)



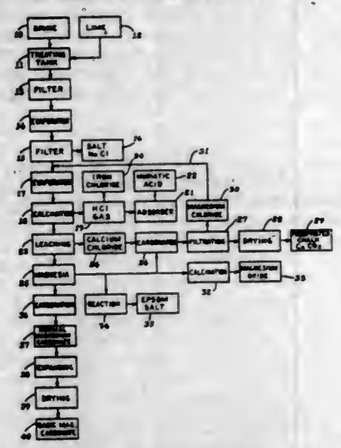
4. The method of milling a flat surface which comprises rotating a milling cutter in line contact with said flat surface and relatively translating said cutter and surface in a direction oblique to said line of contact.

2,191,560
PREPARATION OF MAGNESIUM PRODUCTS
William H. Farnsworth and Clair H. Martin, Manistee, Mich., assignors to Morton Salt Company, Chicago, Ill., a corporation of Illinois
Application May 10, 1937, Serial No. 141,634
3 Claims. (Cl. 23—201)



1. The process for the production of magnesium hydroxide in crystalline form and having a high settling rate from high concentration inland brine containing magnesium chloride which comprises continuously flowing a stream of said brine, continuously adding thereto a flow of lime in solid phase and of fine particle size, and controlling the relative rates of flow of brine and dry lime to provide for bringing the lime into reactive contact with the brine in predetermined controlled proportion less than the chemically equivalent quantity thereof, said lime particles receiving a surface film of magnesium hydroxide thereon which acts as a permeable membrane and restricts the rate at which the lime passes into liquid phase thereby delaying the rate of reaction between the lime and the brine, gently agitating the mixture of brine and lime to maintain the brine continuously in the presence of liquid phase lime in excess of the chemically equivalent quantity thereof while avoiding the breaking up of formed crystals of magnesium hydroxide, continuously flowing the intermixed brine and lime through a reaction tank to provide a controlled time of retention for completing the reaction, and thereafter separating the formed crystals of magnesium hydroxide from the brine to provide such rapid settling crystalline magnesium hydroxide.

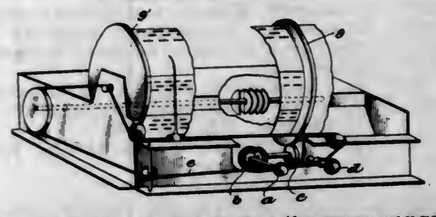
2,191,561
RECOVERY OF USABLE VALUES FROM BRINES
William H. Farnsworth and Clair H. Martin, Manistee, Mich., assignors to Morton Salt Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1938, Serial No. 189,952
6 Claims. (Cl. 23—155)



2. A process for the recovery of usable values from brines containing chlorides of sodium, magnesium and calcium; which comprises heating the brine to a concentration temperature of approximately 130° C. sufficiently to concentrate said brine to precipitate the sodium chloride with negligible driving off of hydrogen chloride, separating the precipitated sodium chloride, heating the resultant solution of magnesium and calcium chlorides under controlled evaporation conditions of limited temperature and absolute pressure of approximately 130° C. and not to exceed twenty-five inches of mercury sufficiently to concentrate said solution to produce a viscous thick mixture comprising hydrated magnesium and calcium chlorides, and thereafter heating the admixture as produced to a temperature of the order of 700° C. to cause the water of hydration to react with said magnesium chloride to form magnesium oxide and evolve hydrochloric acid with unreacted water of hydration.

5. A process for the recovery of usable values from solutions containing chlorides of magnesium and calcium; which comprises heating said solution under controlled evaporation conditions of limited temperature and absolute pressure of the order of approximately not to exceed 150° C. and nineteen inches of mercury sufficiently to concentrate said solution to produce a viscous thick mixture comprising hydrated magnesium and calcium chlorides, and thereafter heating the admixture as produced to a temperature of the order of 700° C. to cause the water of hydration to react with said magnesium chloride to form magnesium oxide and evolve hydrochloric acid with unreacted water of hydration.

2,191,562
DEVICE TO MODIFY THE WAVE LENGTH RANGE IN RADIO SETS
Italo Filippa, Alessandria, Italy
Application March 3, 1938, Serial No. 193,763
In Italy June 16, 1937
1 Claim. (Cl. 250—40)

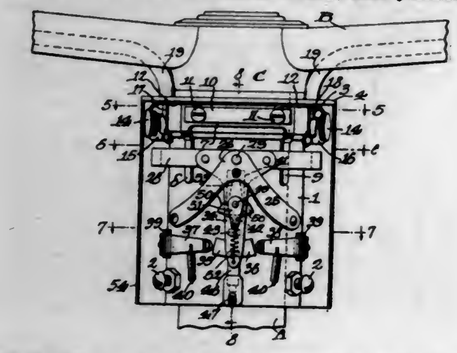


An apparatus for changing the wave range in radio devices, especially in receiving sets, where the inductances and the capacities corresponding to the various ranges are composed of independent units mounted in such fashion that they can be rotated to bring them successively into cooperation with stationary external contact blocks, characterized by the feature that the units, each of which comprises the inductance and the capacity pertaining thereto, are associated together with an indicating drum so as to constitute a unitary layout adapted to be freely mounted in a readily demountable manner above the chassis, the said indicating drum comprising a scale corresponding to each of the wave ranges, so that upon rotation there will be presented to the operator the scale corresponding to the section which is placed in circuit.

2,191,563
SIGNAL CONTROLLING MEANS
Russell E. Frost, Oakland, Calif.
Application October 11, 1938, Serial No. 234,501
4 Claims. (Cl. 200—59)

1. Signal controlling means for motor vehicles and the like including a steering wheel, a ring tiltably mounted, separate means rotatable with the wheel for tilting the ring in opposite directions respectively, means on the wheel for actuating the respective ring tilting means, separate signal circuits, means movable with the ring when tilted for closing either of said circuits, a latch for holding the ring and circuit closing means in either of its extreme positions, a cam supported adjacent to but normally out of contact with the latch, means movable with the wheel during the rotation thereof in a direction

opposite to that in which the vehicle has been turned, for actuating the cam to disengage the latch and release the tiltable ring, and yieldable



means for returning the ring and the parts carried thereby to their normal positions when released.

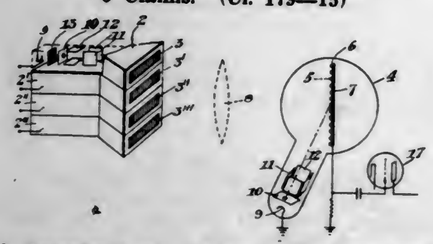
2,191,564
HYDROXYTHIOETHERS AND PROCESS OF PRODUCING SAME
Charles Graenacher, Riehen, and Richard Sallmann, Bottmingen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 12, 1938, Serial No. 218,878. In Switzerland July 14, 1937
5 Claims. (Cl. 260—609)

4. The hydroxythioether of the general formula

$$R—S—R_1$$

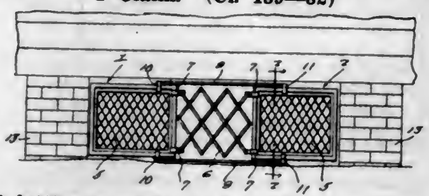
wherein R stands for a terpenic radical and R_1 stands for an alkyl radical containing at least one hydroxy-group which products are oily to solid masses soluble in organic solvents.

2,191,565
MULTIPLEX COMMUNICATION SYSTEM
Francois Charles Pierre Henroteau, Liege, Belgium
Application January 15, 1938, Serial No. 185,224
In Belgium January 16, 1937
6 Claims. (Cl. 179—15)



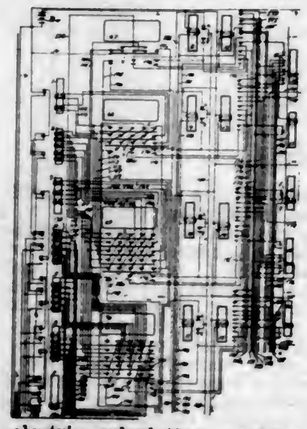
1. Apparatus for transmitting a number of contemporaneous messages through a single transmission channel, comprising a group of cathode ray tubes, means for controlling the intensity of the electron beam in each tube in accordance with a different message, means for causing the electron beams in all the tubes to scan their respective fluorescent screens simultaneously, a cell, a mosaic within said cell composed of a multiplicity of mutually isolated photoelectric elements, means for focussing images of the fluorescent screens of the cathode ray tubes on the mosaic, and means for scanning the mosaic to produce signalling impulses in a time equal to that elapsing during scanning in the tubes.

2,191,566
LATTICE
Hubert Hill and Dewey O. Furr, Shreveport, La.
Application December 27, 1938, Serial No. 247,882
1 Claim. (Cl. 189—82)



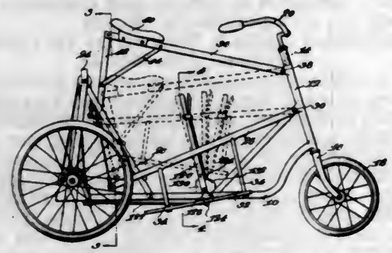
A lattice comprising a pair of frames, foraminous elements mounted in said frames, a lazy tong assembly located between the two frames, a pair of clips pivotally connected to the assembly at one end thereof, a second pair of clips pivotally connected with the assembly at the other end thereof, the upper clip of each pair being fixedly connected to its respective frame, the lower clip of each pair being slidably connected to its respective frame, a pair of elongated bars, means for firmly connecting one end of one bar to the top of the first frame, means for firmly connecting one end of the other bar to the lower part of said first frame, the bar connected with the upper end of the first frame extending over the top of the lazytong assembly, a clip connected to the other end of said last-mentioned bar and slidably engaging the top of the second frame, the bar which is connected with the under part of the first frame extending under the lazytong assembly and having a clip fastened to its other end which slidably engages the under part of the second frame, the clip-carrying ends of the bars being located adjacent the inner end of the second frame when the lazytong assembly is expanded.

2,191,567
CALCULATING MACHINE
Rolf Hofgaard, Brate Gard, Strommen, Norway
Application January 4, 1937, Serial No. 119,027
In Sweden January 4, 1936
11 Claims. (Cl. 235—61)



1. An electric calculating machine comprising for each denominational order a plurality of accumulating means less in number than the number of digits in a decimal notation, each accumulating means including a member adjustable in steps and a plurality of sets of switches selectively actuated by the adjustable member in accordance with the adjustment thereof, electrically actuated means for stepping said members in accordance with numerical values to be introduced into said accumulating means, result indicating means to indicate the result of a calculation, and an electrical network including leads interconnecting the switches of the several sets of said accumulator means for energizing said result indicating means.

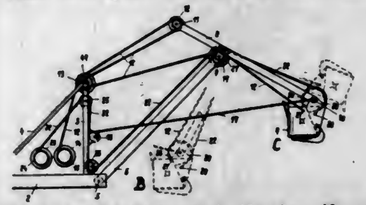
2,191,568
VEHICLE AND EXERCISER
Michael H. Hunter, Hammond, Ind.
Application June 15, 1938, Serial No. 213,943
2 Claims. (Cl. 280—223)



1. A vehicle including a frame having a supporting wheel and drive wheels, a seat pivotally connected with said frame, foot operated propulsion means pivotally connected with said frame, an axle connecting said drive wheels and rotatably journaled in a portion of said frame, drums mounted loosely on said axle, a pair of flexible lines connected with said seat with the lines wound oppositely on said drums, a pair of flexible lines connected with said foot operated propulsion means and wound oppositely on said drums, said lines being wound on and unwound from said drums when said seat and the foot actuated propulsion means are moved about the axes of their pivotal connections with said frame and said seat and the foot actuated propulsion means being arranged for simultaneous pivotal movement in opposite directions to impart simultaneous rotation of said drums in opposite directions, ratchet mechanisms enclosed in said drums and cooperable with the latter and said axle for rotating the latter to drive said drive wheels, ratchet mechanism adjusting means slidable longitudinally of said axle for adjusting the ratchet mechanisms to forward, rearward and neutral conditions, and means for shifting said ratchet adjusting means.

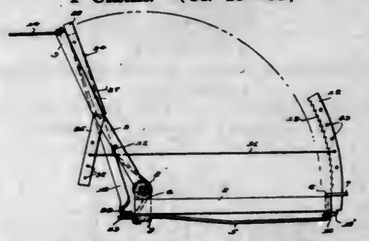
2,191,569
DRAG SHOVEL
Joseph Albert Kuhsel, Hamburg-Altona, Germany
Application December 17, 1937, Serial No. 180,437
In Germany March 13, 1936
7 Claims. (Cl. 214—138)

1. In an excavator including a dipper stick and a bucket pivotally attached thereto, means for actuating said stick and bucket through a digging operation to fill said bucket, means for transporting said filled bucket to a dumping point, said first means including a lifting cable, a drum therefor anchoring one end thereof, a pulley on the rear end of said stick, said cable passing over said pulley, gear means on said stick adjacent said bucket, meshing gear means on said bucket, means associated with said first gear means and engaging said cable whereby to rotate said first gear means and said meshing



gear means and said bucket, the length of said cable being such as to raise said bucket above its center of gravity, and means for automatically maintaining said bucket in said raised position throughout the transportation thereof.

2,191,570
ANIMAL TRAP
Robert C. Lewis, Minneapolis, Minn.
Application April 29, 1939, Serial No. 270,821
1 Claim. (Cl. 43—81)

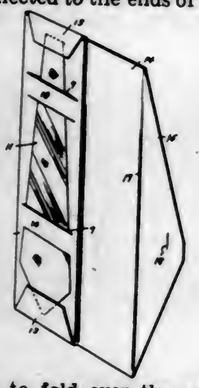


In an animal trap, a stationary jaw member, a movable jaw member pivotally mounted on the stationary jaw member for vertical swinging movement into upright set position, spring means urging said movable jaw member downwardly into clamping relation to the stationary jaw member, trigger mechanism mounted on the stationary jaw member for latching the movable jaw member in set position and operative to release said last member, and means to operate said trigger mechanism comprising a pull cord extending across said stationary jaw member above the same and having one end secured to said mechanism and its opposite end anchored to said stationary member.

2,191,571
CONTAINER FOR MERCHANDISE
Robert R. Lirette, New Orleans, La., assignor of twenty per cent to Vergie Lirette, fourteen per cent to James Leland Cooper, and fifteen per cent to Leo R. Wertheimer, all of New Orleans, La.
Application October 30, 1937, Serial No. 172,007
2 Claims. (Cl. 206—7)

2. In a combined necktie display and retaining device the combination of, a back panel, a necktie-retaining deck panel hingedly connected to one side of said back panel, a cover panel hingedly connected to the opposite side of said back panel and arranged to fold over said deck panel, a retaining flap hingedly connected to the other side of said cover panel and adapted to hold said cover panel in a closed position, the aforesaid deck panel having a pair of slits, one being arranged near one end of the deck panel but removed from the end, the other being arranged near the other end of the deck panel but also removed from the

end, said slits being adapted to have a necktie threaded therethrough, and freely foldable flaps hingedly connected to the ends of said back panel



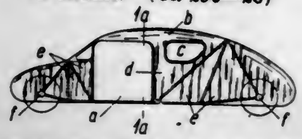
and arranged to fold over the extremities of a necktie carried by the deck panel and said straps being arranged to embrace and overlie the aprons of the necktie.

2,191,572

CAR BODY

Friedrich Eugen Maier, Berlin-Charlottenburg, Germany

Application October 21, 1936, Serial No. 106,918
In Germany October 23, 1935
4 Claims. (Cl. 296—28)



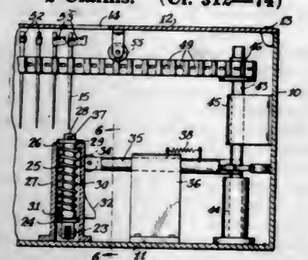
1. Self-supporting body for motor vehicles, the walls of which carry the body forces, comprising side walls, one of which side walls has a door opening, said walls including an inverted U-shaped arched portal girder extending above and at both sides of said door opening, the side parts of the U-shaped girder forming door posts, so that said girder takes up all vertical thrust and compressive forces between the door posts and transmits said vertical and compressive forces to the portion of said girder above said opening, said body below said opening being free of vertically directed and compressive forces, and being disposed inwardly relative to the portion of said girder above said opening.

2,191,573

TOOTHPICK DISPENSER

Joseph Manfredi, Monongahela, Pa.

Application December 15, 1937, Serial No. 179,985
2 Claims. (Cl. 312—74)



1. A toothpick dispenser comprising a housing, a base on which said housing is mounted, a removable cover on said housing, a toothpick dispensing aperture in said cover, a plurality of rotatable posts mounted on said base, a belt mounted for step by step advancement on said posts, a plurality of open ended toothpick carrying cups on said belt, and a single lever-operated means for projecting a toothpick carried by one of said cups through said aperture and then advancing said belt one step, said means including a plunger under said belt, a belt advancing mechanism actuated by the operation of said plunger and a manually pivoted lever extending over said plunger to raise said plunger to first project the toothpick and then advance said belt.

2,191,574

PREPARATION OF BROMATES

Clair H. Martin and Elbert C. Hardy, Manistee, Mich., assignors to Morton Salt Company, Chicago, Ill., a corporation of Illinois

Application March 9, 1937, Serial No. 129,871
3 Claims. (Cl. 204—9)

1. A continuous electrolytic process for the production of alkali metal bromates from an aqueous solution containing the alkali metal bromide and an alkali metal chromate as a depolarizer with the production of the alkali metal bromate in a condition substantially free of discoloration resulting from such chromate which comprises flowing continuously through an electrolytic cell containing a plurality of spaced anode and cathode electrodes a stream of said bromide solution, passing an electric current through the cell to cause continuous formation of reactive bromine at the anodes and the alkali metal hydroxide at the cathodes, simultaneously diffusing the formed bromine and hydroxide in substantially the quantities as formed into the solution in its passage through the cell by causing movement of substantially the entire body of the liquid within the cell into intimate and absorbing contact with the successive anodes and cathodes at a rate controlled to absorb and remove from each electrode the entire quantity of materials formed thereon and to diffuse the materials from the several electrodes into and through the solution into intimate reactive contact with each other to form hypobromite and resulting bromate in solution with concomitant temperature rise of the solution, controlling the temperature of the solution so that it reaches a maximum value during its passage through the cell which provides for maintaining the bromate in solution and limited to be not in excess of that at which the bromine remains in solution phase and available for said reactive contact in substantially originally formed quantity and approximately 45° C. to 50° C. thereby maintaining low alkalinity in the solution and avoiding occlusion of the chromate upon the bromate, and thereafter withdrawing the solution from the cell and cooling the solution to cause precipitation of crystals of bromate substantially clear and free of contamination with occluded chromate in suspension in the liquor.

2,191,575

PAPER FILLER AND METHOD OF MAKING THE SAME

Howard D. Meincke, Glencoe, Ill.

No Drawing. Application June 23, 1938, Serial No. 215,502
6 Claims. (Cl. 134—18)

1. The method of increasing the retention of a non-setting paper filler, which comprises agitating a gypsum cement in water in the presence of a substantial proportion of a non-setting filler until the gypsum cement has passed through its setting period.

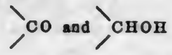
2,191,576

3,5,6-TRIHYDROXY ANDROSTANE AND PREGNANE COMPOUNDS

Karl Miescher, Riehen, and Werner Fischer, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application November 16, 1937, Serial No. 174,906. In Switzerland November 21, 1936
3 Claims. (Cl. 260—397)

1. The water-soluble 3,5,6-trihydroxy-androstane and pregnane compounds having at least one further substituent which is a member of the group consisting of

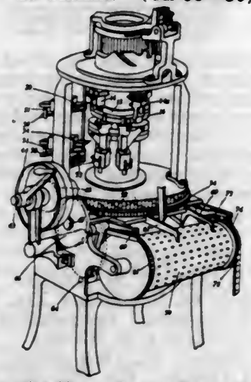


2,191,577

METHOD OF AND APPARATUS FOR KNITTING STOCKINGS

Robert Kirkland Mills, Sherwood, Nottingham, England, assignor to Hosiery Developments Limited, Nottingham, England

Application September 12, 1938, Serial No. 229,633
In Great Britain September 13, 1937
15 Claims. (Cl. 66—50)



1. The production of a ladder-resistant fashioned stocking (i. e. a stocking that is shaped by varying the number of wales down the leg) which consists in knitting on a circular knitting machine a fabric tube comprising lock-stitch fabric of the type specified, maintaining the optimum size of stitch and stitch-locking loop with no appreciable variation throughout the knitting process and cutting and seaming the tubular fabric to produce a fashioned leg tube.

2,191,578

ICE-CREAM TRAY

Roland H. Money, Mount Healthy, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application July 24, 1939, Serial No. 286,245
15 Claims. (Cl. 62—114)

4. A device for making ice cream, etc., in the freezing compartment of a refrigerator comprising, a tray; a cover for said tray, said tray and cover having means mutually cooperable for frictionally retaining the same in assembled relation; a groove formed in said cover; a rod reciprocally guided in said groove; a knob mounted upon one end of said rod; and agitating means supported



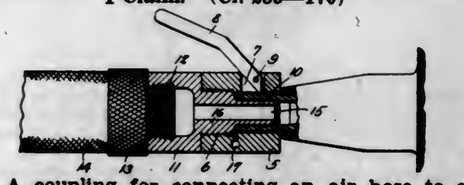
by the opposite end of said rod received in said tray and slidable along the bottom thereof.

2,191,579

AIR HOSE CONNECTION

John J. Nelson, Birmingham, Ala.

Application September 9, 1937, Serial No. 163,122
1 Claim. (Cl. 285—170)



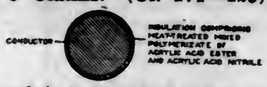
A coupling for connecting an air hose to a valve stem comprising in combination, a hollow nozzle section adapted to be secured to the air hose, said nozzle section having an opening in the wall thereof, a lever pivotally mounted within the opening at a point adjacent to the forward end of the opening, the inner end of the lever adapted to engage the threads of the valve stem over which the nozzle section is positioned at a point in advance of the pivot point of the lever, whereby air pressure directed to the valve stem acts to force the coupling rearwardly and wedge the inner end of the lever into engagement with the threads of the valve stem and force the lever against one edge of the opening, securing the coupling on the valve stem.

2,191,580

ELECTRICAL INSULATION

Paul Nowak and Hermann Hofmeier, Berlin-Charlottenburg, and Carlos Tobis, Berlin-Oberschoneweide, Germany, assignors to General Electric Company, a corporation of New York

Application August 19, 1937, Serial No. 159,972
In Germany August 28, 1936
5 Claims. (Cl. 174—125)



1. An insulated electrical conductor comprising a metallic conductor and insulation therefor comprising the residue of heating to incipient decomposition a mixture of polymerized acrylic acid ester and polymerized acrylic acid nitrile.

2,191,581

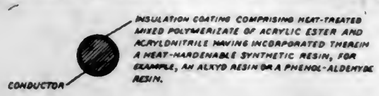
INSULATING RESINOUS COMPOSITIONS AND ELECTRICAL CONDUCTORS COATED WITH THE SAME

Paul Nowak and Telemach Triantaphyllides, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York

Application June 14, 1939, Serial No. 279,202
In Germany June 18, 1938
5 Claims. (Cl. 174—125)

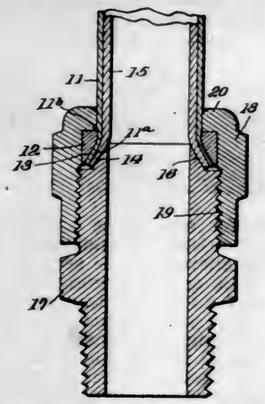
1. A resinous insulation composed of the resi-

due of heating to incipient decomposition, but not materially thereabove, a mixture containing



polymerized acrylic ester, polymerized acrylonitrile and heat-hardenable synthetic resin.

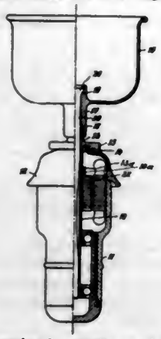
2,191,582
TUBE COUPLING
Arthur L. Parker, Cleveland, Ohio
Application June 8, 1937, Serial No. 147,089
1 Claim. (Cl. 285—86)



In a coupling for tubes having the ends thereof flared, coupling members having threaded engagement with each other, one of said coupling members having a seat associated therewith adapted to engage the inner face of the flared end of the tube and the other coupling member having a clamping shoulder, a sleeve surrounding said tube, and a collar surrounding the inner end of said sleeve, said collar having a tapered inner face conforming substantially to the outer tapered face of the flared end of the tube, the inner end of said sleeve being expanded and flared so as to conform to and fixedly engage the inner face of the collar and form therewith a unit clamping member having an external shoulder adapted to be engaged by the shoulder on the coupling member for clamping the flared end of the tube against the seat on the other coupling member.

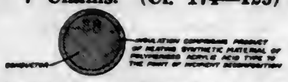
2,191,583
SPINNING DEVICE
Carl Theodor Pastor, Huels Uber Krefeld, Germany
Original application August 11, 1937, Serial No. 158,469. Divided and this application November 5, 1938, Serial No. 239,150. In Germany August 13, 1936
6 Claims. (Cl. 57—77)

1. In a spinning device, the combination with a vertical driven shaft provided with a central bore and having its upper end of conical shape, of a spinning cup comprising a central hub having an axial bore and two oppositely disposed conical seats formed at the ends of said bore, respectively, the lower of said seats bearing on the upper end of said shaft, and a pin slidably disposed within the bore of the shaft and projecting upwardly through said axial bore in said hub, said pin having at its upper end a head



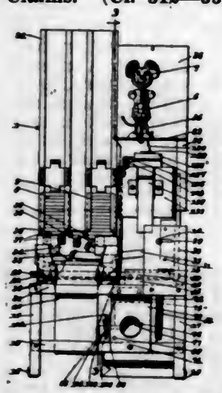
tapered on a conical surface towards said pin to engage the upper conical seat in said hub.

2,191,584
ELECTRICAL INSULATION
Georg Pohler, Berlin-Schoneberg, Germany, assignor to General Electric Company, a corporation of New York
Application August 19, 1937, Serial No. 159,974
In Germany August 28, 1936
7 Claims. (Cl. 174—125)



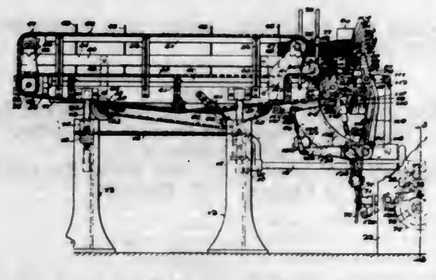
1. An electrical conductor insulated with a covering comprising the residue of heating to incipient decomposition, but not materially thereabove, a polymerized acrylic compound, said residue having an electrically insulating value and moisture resistance higher than that of the same starting acrylic compound heated under conditions insufficient to cause incipient decomposition.

2,191,585
VENDING MACHINE
Frank F. Pulver, St. Petersburg, Fla., assignor to Alliance Investment Corporation, Geneseo, N. Y., a corporation of Florida
Application August 22, 1936, Serial No. 97,446
3 Claims. (Cl. 312—35)



1. In a vending machine, means to support a stack of vendible articles, a goods-dispensing plate disposed adjacent an end of said stack and having means by which to displace a vendible article from said stack upon movement of said plate, a turnable shaft from which the dispensing plate is pendent, coin controlled means for turning the shaft, including a back plate also pendent from the shaft in laterally offset relationship to the dispensing plate, a spring connected to the back plate being put under supertension by a coin-controlled movement in one direction of the back plate, and means exercising a drag on the back plate upon its return movement by action of said spring.

2,191,586
CARTON FEEDING MECHANISM
Charles F. Richard, Battle Creek, Mich., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich., a limited partnership association of Michigan
Application April 23, 1938, Serial No. 203,928
19 Claims. (Cl. 271—43)

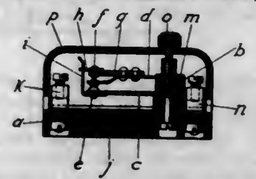


1. In a carton feeding mechanism of the magazine type wherein a supply of collapsed carton blanks is supported in a substantially horizontal stack with the blanks on edge in substantially vertical position and wherein conveyor means are provided for advancing the blanks in said stack to feeding position, transfer means for successively removing individual blanks from said stack including a feeding member, a support for said feeding member, means for reciprocating said feeding member relatively to said support in a direction transverse to the line of advance of said blanks, stop means carried by said support and adapted to rest at all times against the foremost blank in said stack, means for mounting said support for movement in the line of advance of said blanks, and means responsive to the movements of said support in the line of advance of said blanks for controlling the operation of said conveyor means.

2,191,587
POLYETHER RESINS
Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1938, Serial No. 233,479
11 Claims. (Cl. 260—61)

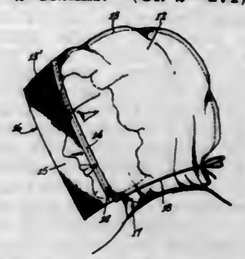
1. A process which comprises reacting with formaldehyde, in the presence of an acid catalyst, a thermoplastic resin consisting essentially of ether linkages until a thermo-hardening soluble resin having a softening point substantially higher than said thermoplastic resin is obtained, said thermoplastic ether resin consisting of carbon, hydrogen and oxygen and being the reaction product of a substantially unpolymerizable monomeric polyhydric phenol and an organic polyhalide, free of ester groups, whose halogen atoms are all attached to different carbon atoms which are in turn joined, by single bonds only, to at least one carbon, any valences not satisfied by carbon being satisfied by hydrogen.

2,191,588
THERMOSTATICALLY ACTUATED AUTOMATIC SWITCH
Wilhelm Sattler, Mannheim, Germany, assignor to Stotz-Kontakt, Gesellschaft mit beschränkter Haftung, Mannheim-Neckarau, Germany, a corporation of Germany
Application September 14, 1937, Serial No. 163,714
In Germany September 22, 1936
4 Claims. (Cl. 200—116)



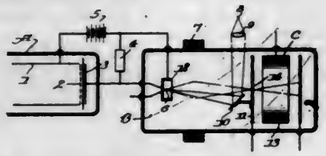
1. A thermostatically released cut-out switch having two switch contacts and a contact spring carrying one of the switch contacts and tending to move its contact into open position, and a thermostatically operable bimetallic strip disposed to control the other switch contact, said spring and said strip element each being fixed at one end and spaced a given distance apart one from and above the other, and means at the free ends of said elements for normally latching them together in contact closing position, whereby due to the relative spacing of said elements a relative motion of the latched ends in axial and opposite directions is produced when the bimetallic strip is thermostatically bent into its own contact opening position against the opening tendency of said contact spring, by which motion the element ends are unlatched and the spring is permitted to move its contact away from said strip into its own open contact position.

2,191,589
SHIELD
Bernice Y. Sacks, Los Angeles, Calif.
Application September 30, 1938, Serial No. 232,544
2 Claims. (Cl. 2—174)



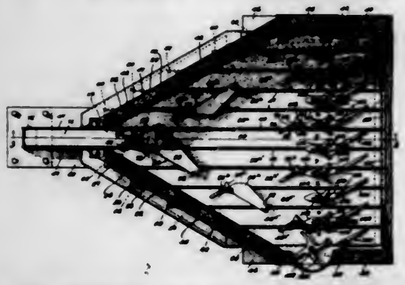
1. A shield adapted to fit over the head of the wearer comprising a hood of flexible material having an imperforate head portion comprising side and rear walls and a perforate face portion, means for securing the margins of the portions together throughout their length, and flexible securing means attached to the front of the imperforate portion adjacent its juncture with the perforate portion and adapted to extend around the side and rear walls of the imperforate portion for securing the shield in place, whereby the lower edge of the perforate portion is free from the confining action of said securing means.

2,191,590
TELEVISION APPARATUS
Erich Schwartz and Ernst Ruska, Berlin-Zehlendorf, Germany, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application November 6, 1936, Serial No. 109,576
In Germany November 9, 1935
5 Claims. (Cl. 250—150)



5. In combination, an electron multiplier, a photo-cathode, means for continuously energizing said photo-cathode to the point of emission of electrons, means for guiding electrons from said photo-cathode to said electron multiplier, and means for modulating the flow of electrons to said electron multiplier in accordance with signals.

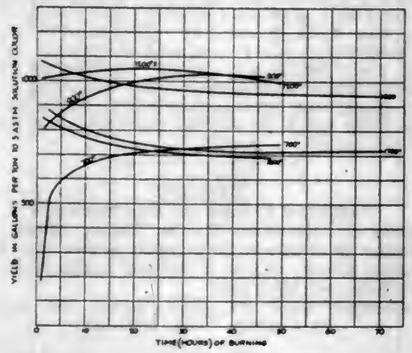
2,191,591
LEHR STACKER FOR GLASSWARE
Orie Shackelford, Fairmont, W. Va.
Application March 16, 1937, Serial No. 131,215
23 Claims. (Cl. 49—47)



19. An automatic stacker for articles of glassware comprising a horizontal platform, a plurality of parallel belt conveyors mounted on said platform, an insulated casing comprising side walls and a top supported upon said platform and providing a chamber above said conveyors, the forward side walls being angularly disposed and diverging from a forward entrance opening rearwardly toward a widened rear portion of the chamber, and pivoted ushers in said chamber positioned to deflect articles of glassware along a plurality of different paths therein, certain of said paths following the diverging side walls to lead articles to opposite sides of the widened portion of the chamber.

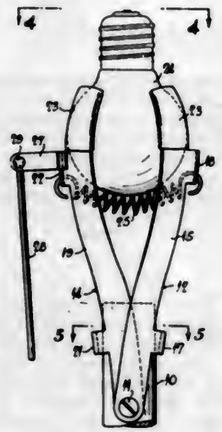
2,191,592
PROCESS OF REACTIVATING BAUXITE
Ogden Fitz Simons, Warren, Pa., assignor to Floridin Company, Warren, Pa., a corporation of Delaware
Application September 6, 1938, Serial No. 228,717
9 Claims. (Cl. 252—2)

9. The process of reactivating adsorbent bauxite contaminated with organic deposits by moving the same across a hearth in an oxidizing atmosphere, in a layer less than one inch deep, in contact with hot gases at 1200° F. to 1800° F. for a period of time less than fifteen minutes, and



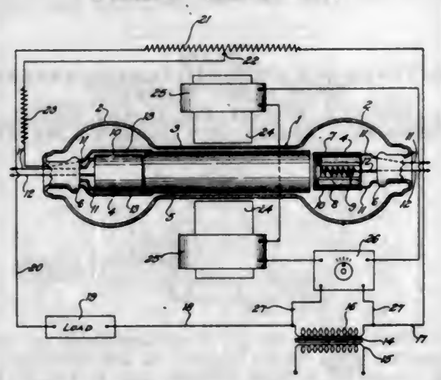
cooling the adsorbent rapidly to a temperature below 900° F.

2,191,593
ELECTRIC BULB REMOVER AND INSTALLER
Nestor Y. Sosnik and Eustace C. Griffin, Winston-Salem, N. C.
Application November 19, 1938, Serial No. 241,370
5 Claims. (Cl. 294—20)



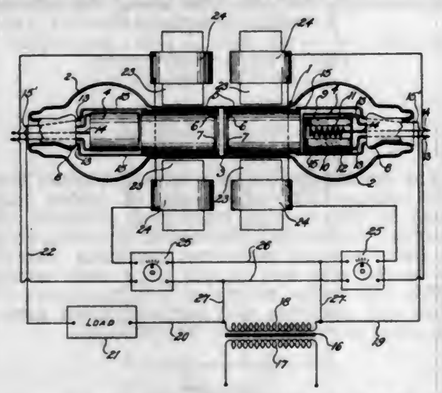
1. Apparatus for removing and installing electric light bulbs comprising an elongated handle, a pair of members having one end pivotally mounted on a common pivot on one end of the handle, each member having a pair of upstanding substantially parallel arcuate prongs on the free end thereof, a tension spring having its ends secured to said members and adapted to normally exert a pull to cause said prongs to move towards each other to grip a bulb disposed therebetween and also to engage the bulb while held between the prongs, one of said pivoted members having an outwardly projecting arm thereon, a connecting member having one end secured to said arm and extending to a point near the other end of the handle whereby a pull can be exerted on one of said members to separate the jaws on the free end thereof, and the other of said members having a bridging strap adapted to engage the upper end of the handle to limit movement of said other member when a pull is exerted on said arm.

2,191,594
CONTROLLED GASEOUS DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 5, 1938, Serial No. 188,887
8 Claims. (Cl. 250—27.5)



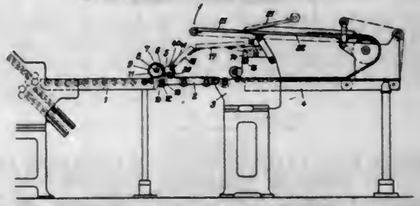
1. In combination, an electrical space discharge device comprising an envelope containing two electrodes, each adapted to operate as a cathode, an intermediate electrode mounted adjacent the discharge path between said cathodes, and an ionizable medium at a pressure under operating conditions sufficient to supply copious ionization upon the passage of a discharge, and means for producing a magnetic field which is transverse to the direction of the discharge between said cathodes.

2,191,595
MAGNETICALLY CONTROLLED GASEOUS DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 11, 1938, Serial No. 190,007
7 Claims. (Cl. 250—27.5)



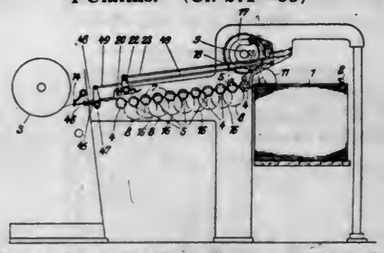
1. In combination, an electrical space discharge device comprising an envelope containing an ionizable atmosphere, two cathodes, two intermediate electrodes, each adjacent one of said cathodes, each intermediate electrode having a discharge passage through it in the direction of the other of said intermediate electrodes, whereby a discharge may pass from each cathode past one of said intermediate electrodes to the other of said intermediate electrodes as an anode, and means for producing a magnetic field which is transverse to the direction of each of said discharges adjacent each intermediate electrode.

2,191,596
SHEET FEEDING DEVICE
Georg Spiess, Leipzig, Germany
Application April 25, 1938, Serial No. 204,232
In Germany May 18, 1937
5 Claims. (Cl. 271—38)



1. A sheet feeding device for folding machines or other machines for operating upon sheets, comprising feeding rolls, at least one main feed table and means for selectively feeding the sheets automatically, semi-automatically and by hand, means for feeding the sheets three-quarter automatically, said last means comprising a separate articulated table above said main table for the reception of the pile of sheets, a rear portion of which table lies approximately horizontally, a front portion of said table being downwardly inclined and projecting into the angle formed by said feeding rolls, and means supporting said articulated table above said feed table.

2,191,597
SHEET FEEDING DEVICE
Georg Spiess, Leipzig, Germany
Application May 3, 1938, Serial No. 205,788
In Germany May 4, 1937
4 Claims. (Cl. 271—53)

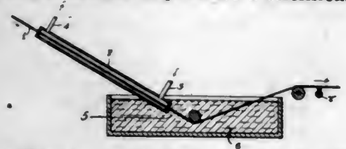


1. In a sheet feeding device, a plurality of spaced fast moving conveyor means, a plurality of spaced slow moving conveyor means alternately disposed with relation to the fast moving means, means for alternately accelerating and decelerating the slow moving conveyor means, and a pressure device for pressing fed sheets against the conveyor means and selectively operable with the fast moving and slow moving conveyor means.

2,191,598
METHOD OF BONDING DISSIMILAR METALS
Carl E. Swartz, Cleveland Heights, and Elmore J. Dockstetter, East Cleveland, Ohio, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application November 5, 1938, Serial No. 239,115
4 Claims. (Cl. 91—70.3)

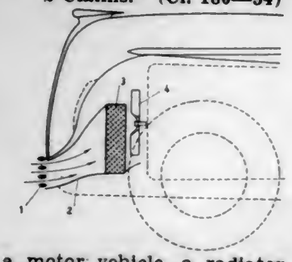
1. The method of coating ferrous metal sheets, strips and the like containing not more than .50%

carbon with lead comprising the steps of heating the ferrous metal at or above its gamma iron transformation temperature range and in an atmosphere sufficient to produce a chemically clean



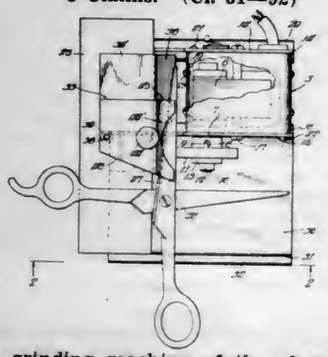
surface thereon, and then, while the metal is at or above said temperature range, and before the metal has been exposed to the air, conducting it into and through a coating bath of molten lead.

2,191,599
MEANS FOR COOLING THE RADIATOR OF A MOTOR VEHICLE ENGINE
Vittorio Valletta, Turin, Italy, assignor to Fiat Societa Anonima, Turin, Italy
Application July 12, 1939, Serial No. 284,110
In Italy March 21, 1939
2 Claims. (Cl. 180—54)



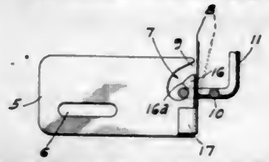
1. In a motor vehicle, a radiator, an engine bonnet and front mudguards presenting a non-apertured frontal portion enclosing the radiator, and a front bumper under said front portion of the mudguards provided with openings through which air is conveyed to the radiator.

2,191,600
GRINDER
Leo J. Wahl, Sterling, Ill.
Application August 25, 1937, Serial No. 160,869
3 Claims. (Cl. 51—92)



1. A grinding machine of the character described comprising a grinding wheel, a drive shaft therefor, a motor for driving said shaft, a housing and supporting framework in which said motor is mounted, said shaft projecting through said framework and said grinding wheel being mounted on the shaft outside the framework, said framework including a pair of side plate members, and a cover plate, said side plate members having portions projecting beyond the cover plate at one side thereof, and a work guiding platform mounted on said portions, one of said side plate members having a shelf portion extending outwardly away from the framework and beneath said grinding wheel.

2,191,601
FASTENER FOR GRASS CATCHING BASKETS FOR LAWN MOWERS
Ernest E. Wessock, Los Angeles, Calif.
Application July 12, 1939, Serial No. 284,057
6 Claims. (Cl. 24—241)



6. In a device of the kind described, an upstanding plate which extends in the direction of the travel of a lawn mower, and is attachable to each side of the rear portion thereof, said plate having a hook-forming slot cut into its rear edge at a downward inclination, and an upstanding resilient wing having a basal portion attached to said plate below the hook formed by said slot and having a deflectable upper portion extending above the top edge of said plate, said deflectable portion being contactable by the attached portion of the grass catcher incident to the latter's application, whereby to manually deflect said wing, said wing constituting a yielding keeper to normally retain in place said attached portion of the grass carrier.

2,191,602
VENETIAN BLIND
Harry W. Watts, Maplewood, N. J., assignor to The Edward J. Hoff Company, Hamilton, Ohio, a corporation of Ohio
Application June 4, 1936, Serial No. 83,428
1 Claim. (Cl. 156—17)

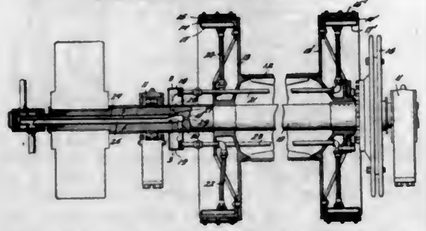


The combination with a fabric Venetian blind slat having stiffening means of folded metal along its longitudinal edges and provided with openings intermediate its ends for receiving cords, of rigid bracing members extending laterally across the slat and having their ends secured within said stiffening means, said members overlying said openings and being clinched around the edges thereof to serve as grommets.

2,191,603
FACTICE-CONTAINING PRINTING INK
Thomas C. Whitner, Jr., Elizabeth, N. J., assignor to Ellis Laboratories, Inc., a corporation of New Jersey
No Drawing. Application December 27, 1937, Serial No. 182,013
4 Claims. (Cl. 134—35)

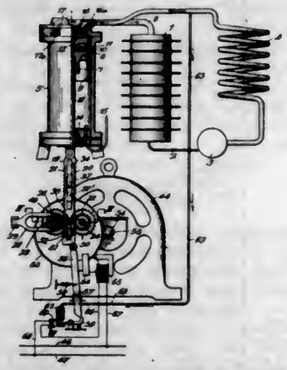
1. A quick-drying printing ink composition, substantially free from drying oils, capable of yielding dried ink film when momentarily subjected to the action of heat, which comprises pigment material dispersed in a vehicle consisting of jojoba factice as the sole binding agent and a volatile liquid solvent therefor substantially devoid of drying oils, the proportion of said pigment being sufficient to render said film non-tacky and non-smudging.

2,191,604
LIQUID COOLED BRAKE
John Hart Wilson, Wichita Falls, Tex.
Application September 14, 1938, Serial No. 229,940
8 Claims. (Cl. 188—264)



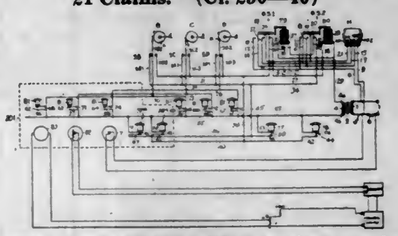
1. In a device of the class described, a shaft, means supporting said shaft for rotation, a drum secured on said shaft, said drum having a braking surface, a liquid-tight jacket carried by said drum adjacent said braking surface, and means for circulating a cooling liquid through said jacket, said last named means comprising inlet and outlet conduits disposed longitudinally within said shaft, said conduits being separated by a layer of heat insulating material, means connecting said conduits and said jacket, means connecting said inlet conduit with a source of cooling liquid, and means connecting with said outlet conduit for conducting liquid therefrom.

2,191,605
REFRIGERATING PLANT COMPRISING PISTON OPERATED COMPRESSOR
Otto Zehnder, Granichen, Switzerland, assignor to Gebrüder Zehnder Radiatoren- & Apparatebau, Granichen, Switzerland
Application April 5, 1938, Serial No. 200,232
In Germany April 9, 1937
8 Claims. (Cl. 62—4)



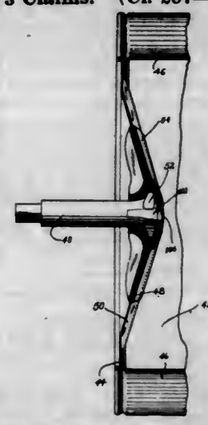
1. In an automatic refrigeration system, an evaporator, a condenser, a compressor having a reciprocable piston, a driving motor, a power transmission mechanism connecting the motor with said piston to drive the piston in the direction of its compression stroke, means for locking said transmission mechanism in such position as to hold said piston in a position removed from its extreme end position of compression, means responsive to the pressure of the refrigerant gas at the suction side of the compressor for controlling said locking means to effect locking when said pressure is below a predetermined pressure and to release said piston when the pressure exceeds a predetermined pressure, the suction stroke of the piston being then effected by the pressure of the refrigerant gas, and the rotation of the driving motor being initiated by the action of the piston, and means for automatically connecting said motor with a source of electric power after the piston has initiated its rotation, whereby the motor drives the compressor during its compression stroke.

2,191,606
APPARATUS FOR AUTOMATICALLY TUNING RADIO RECEIVERS
Edgar M. Butler, Brooklyn, N. Y., assignor of fifty per cent to Anders Jordahl, New York, N. Y.
Application October 18, 1928, Serial No. 313,201
21 Claims. (Cl. 250—40)



11. The combination with a tuning member of a radio receiver, of a plurality of adjustable station selective elements and reversible motive means controlled thereby to tune in any one of a group of selected stations represented by said elements.

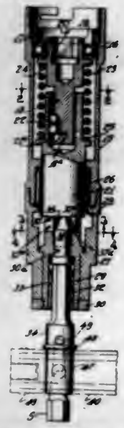
2,191,607
WASHING MACHINE ROTOR
John W. Chamberlin and Rex Earl Bassett, Jr., South Bend, Ind., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application March 6, 1937, Serial No. 129,430
3 Claims. (Cl. 287—20)



1. In a rotor construction, a rotor body having a transverse head formed with a perforated zone around its center, a shaft arranged coaxially

with respect to said body and having at one end an attaching portion of non-circular outline arranged substantially at the center of said head, and a generally disk-shaped body of cast metal in which said attaching portion and at least the perforated zone of said head are imbedded, with the cast metal extending through the perforations in said head.

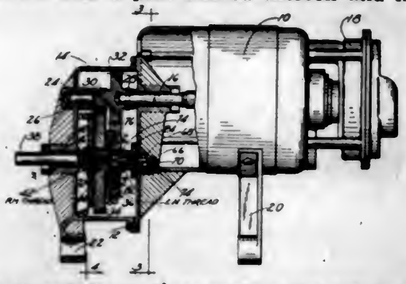
2,191,608
ELECTRIC HAMMER ATTACHMENT
Charles B. Coates, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 18, 1938, Serial No. 196,727
4 Claims. (Cl. 255—42)



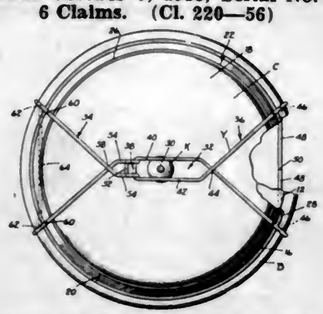
1. A power hammer comprising a barrel, a rotatable driving cam element mounted therein, a complementary driven cam element, said cam elements being coaxial and one of them located in front of the other, the front cam element being held against forward axial movement relative to the barrel whereby relative rotation between the cam elements effects rearward movement of the rear cam element, a braking device for applying a variable resistance to rotation of the driven cam element to effect rearward movement of the rear cam element, a striking piston carried by the rear cam element, a spring acting on the striking piston to move it forwardly to deliver a hammer blow upon release of the engagement between the cam elements, a tool movable rearwardly to an operative position in which it receives blows delivered by the striking piston, said braking device having a friction element fixed to the barrel and a complementary movable friction element, the latter being engageable with the tool upon rearward movement thereof to move away from frictional engagement with the friction element first-mentioned, whereby rearward pressure by the tool releases the frictional force resisting rotation of the driven cam element.

2,191,609
TRANSMISSION
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application July 6, 1937, Serial No. 152,057
17 Claims. (Cl. 74—368)

1. A transmission comprising a counter-shaft having loosely mounted thereon large and small gears, a drive shaft having small and large gear devices meshing with and continuously driving respectively the large and small gears, a clutch member mounted on threads on the counter-shaft at the side of the large gear opposite the small gear and encircled by a clutch spring anchored to said large gear and shifted by the drag of said spring into clutching engagement with the side of said large gear during low speed drive and shifted away from the large gear when the counter-shaft over-runs the large gear during high speed drive, said counter-shaft being provided with a part sleeved thereon and having a thread directed oppositely to the first thread and on which said small gear is mounted and also being provided between said gears with a clutch member engaged by said small gear by shifting it on the second thread, a radially movable clutch element mounted in a slot in the counter-shaft and engageable with said threaded part, and an operating member movable lengthwise along the axis of the counter-shaft and having means to move the clutch element outward to cause the slowing up of the threaded part and consequent shifting of the small gear against the clutch member to give high speed drive.

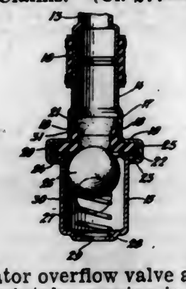


2,191,610
CAKE PACKAGE
Everett E. Engstrom, White Plains, N. Y., assignor to McKeesport Tin Plate Corporation
Application October 9, 1935, Serial No. 44,141
6 Claims. (Cl. 220—56)



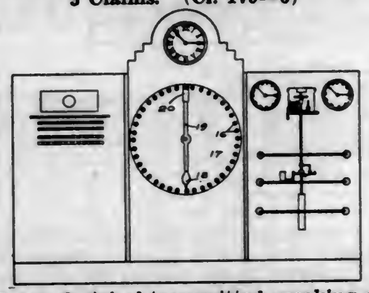
1. A two-piece yoke intended for use with a cake package comprising a base and an inverted dished cover, one piece of said yoke comprising stiff wire reversely bent on itself to form parallel parts at the center of the yoke, and thence bent downwardly and thence bent inwardly, the second piece of said yoke comprising stiff wire reversely bent on itself to form parallel parts, the reversely bent part of one piece being reversely bent about the reversely bent part of the other piece to form a pivotal connection therewith, the ends of the second piece being bent downwardly and thence bent inwardly, said yoke being detachably mountable on said package to hold the cover tightly closed against the base.

2,191,611
RADIATOR OVERFLOW REGULATOR
Jesse E. Eshbaugh and Nelson Walker, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 26, 1938, Serial No. 192,778
9 Claims. (Cl. 277—61)



9. In a radiator overflow valve assembly, a conduit having an intake opening in the wall thereof, a rubber bushing valve fitted into the tube over said opening and an outwardly opening check valve seating on the end of the rubber bushing outwardly of said intake opening.

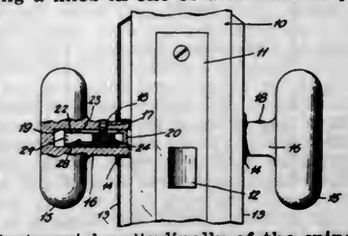
2,191,612
ELECTRICAL TRANSMITTING MEANS FOR SPEAKING ANNOUNCEMENTS
Albert Findlay, Montreal, Quebec, Canada, assignor to John B. Frosst, Westmount, Quebec, Canada
Application August 9, 1938, Serial No. 223,931
5 Claims. (Cl. 179—6)



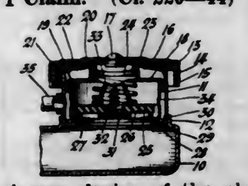
1. In an electrical transmitted speaking device, a sensitive relay incorporated in an electric eye circuit, a commutator associated with said circuit, a revolving arm carrying said electric eye circuit causing said relay to pulse whenever effected by the light rays from a group of lamp signals and commutating another group of individual relays, a plurality of telephones associated individually with a particular relay and lamp signal.

2,191,613
DOORKNOB SPINDLE
Eric W. Ericsson, Brooklyn, N. Y.
Application January 3, 1939, Serial No. 248,935
7 Claims. (Cl. 292—350)

1. An adjustable doorknob mounting of the character described comprising a spindle, at least one end portion of the spindle having an elongated passage arranged longitudinally thereof, one wall of the spindle having an elongated aperture communicating with said passage, a coupling member mounted in the passage for free movement longitudinally thereof, said member having a cross sectional contour substantially corresponding to that of the passage to fit snugly therein, with one surface of the member maintained in position adjacent said aperture, a screw adjustably coupled with said member and extending through the aperture in said spindle for securing a knob in one of a number of positions of adjustment longitudinally of the spindle, and said member having means on the outer surfaces thereof for engaging the wall of said passage when said screw is tightened to permanently retain a knob against movement longitudinally of the spindle.

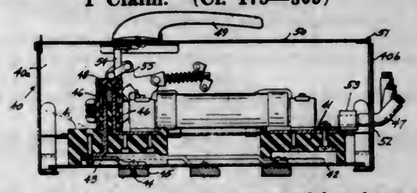


2,191,614
RADIATOR FILLER CAP
Ralph S. Frantz, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 6, 1936, Serial No. 109,466
1 Claim. (Cl. 220—44)



A valved closure device of the character described including an attaching cap for removable mounting on a filler spout, a valve enclosing cage having a lower cylindrical part to seat on the spout and to seat a valve and an upper cupped part in sleeved relation to the cylindrical part, said upper cupped part having a centrally domed portion directly riveted to the cap and provided with an inward offset cooperating with the cap in affording an annular retaining recess, a spout sealing diaphragm loosely fitted in and retained by said recess, a spring ring bearing at its periphery on said diaphragm and a sealing ring interposed between the cap and the central margin of the spring ring.

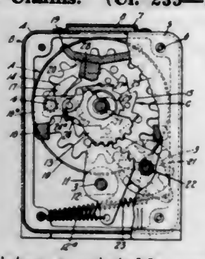
2,191,615
SWITCHING APPARATUS
William H. Frank, Lawrence E. Fisher, and Joseph A. Messing, Detroit, Mich.
Original application September 14, 1936, Serial No. 100,771. Divided and this application May 17, 1937, Serial No. 143,234
1 Claim. (Cl. 175—309)



A panelboard comprising vertical bus bars and vertical mounting rails and a plurality of sheet

metal boxes in front of said bars and rails, each box having a back, an open front provided with a hinged cover, ends, and sides, the boxes being disposed side to side and with their covers flush to form a panel front, openings in the ends through which load conductors enter the boxes, pairs of forwardly projecting free ended stationary prongs on the backs of the boxes, one prong of each pair being connected to a load conductor terminal and the other being connected to a bus bar, there being a plurality of pairs of prongs in each box, a cup shaped housing of insulation telescoped over each pair of forwardly projecting prongs, with its open side open to the back of the box and receiving the free ends of the prongs, a contact in each housing for bridging the free ends of the prongs, within the housing, a quick make and break operating mechanism within each box and connected to the housings therein, a handle on each front cover arranged to move in a path parallel to the front cover, and detachably operatively connected, through the front cover, by means on the back of the front cover, to the operating mechanism within the box, whereby the housings may be moved towards and away from the back of the box for switching action by the handles, and means accessible and manipulable through the open fronts of the boxes, when the covers are swung open, for securing the boxes on the mounting rails and for electrically connecting the prongs to the bus bars and load conductor terminals.

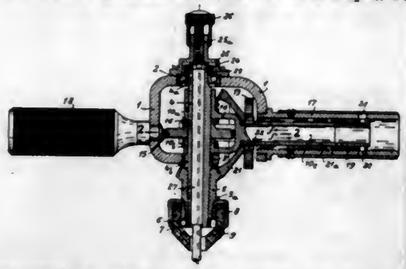
2,191,616
REGISTER MECHANISM
George J. Grizey, Canton, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application November 10, 1937, Serial No. 173,834
11 Claims. (Cl. 235—131)



1. In a register, a rotatable counting member, ratchet actuating mechanism including a driving ratchet wheel operatively connected to said member and a pivoted actuating member having a driving pawl adapted to cooperate with said ratchet wheel, stops between which said actuating member is movable, and controlling mechanism for locking said actuating member and driving ratchet wheel for movement, together during a part of the registering stroke including a locking ratchet rotatable with said driving ratchet and having oppositely disposed ratchet teeth and a cooperating locking pawl pivotally mounted on said pivoted actuating member.

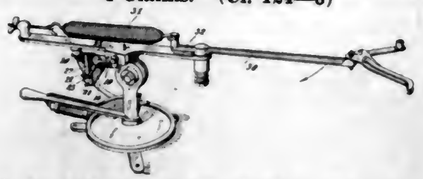
2,191,617
GRINDING MACHINE
Paul Koster, Paris, France
Application May 11, 1938, Serial No. 207,207
In France May 14, 1937
6 Claims. (Cl. 51—241)

1. In a machine for rectifying motor valve seats, comprising a grinder performing a rapid rotary movement and besides a slow movement eccentric with regard to the valve seat axis, a casing provided with handles, bearings in said casing, a main shaft journalled in said bearings, means to drive said main shaft with slow rotary movement concentric with said bearings, two eccentric portions on said main shaft, a grinder support mounted on one of said eccentric portions, means to drive said grinder support with a rapid rotary



movement, a part to carry the means driving said shaft and said grinder support, said part being mounted on the second eccentric portion of said shaft, to permit of driving both said means as well as the grinder with a movement eccentric with regard to the axis of rotation of the said shaft so as to ensure immobility of the casing of the machine during rectification and to permit of mounting said casing on a fixed support.

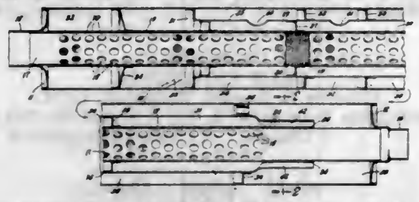
2,191,618
ATTACHMENT FOR TARGET TRAPS
Henry E. McKenzie, Yemassee, S. C.
Application July 28, 1938, Serial No. 221,661
4 Claims. (Cl. 124—8)



1. An attachment for latching and releasing the carrier-arm of a target trap, comprising a bracket adapted to be secured to the trap, an electromagnet carried by said bracket, a pivoted, gravity-actuated trigger member carried by said bracket and having a portion juxtaposed to the pole of said electromagnet for attraction thereto, and a pivoted, gravity-actuated latch member carried by said bracket having a portion juxtaposed to a different portion of said trigger and adapted to engage said trigger and having a further and beveled end portion engaged by said carrier-arm which is adapted to ride thereover in both directions of its travel to cock the latch member in one direction and contact the beveled face in the opposite direction to hold the carrier-arm against movement until the trigger member is operated.

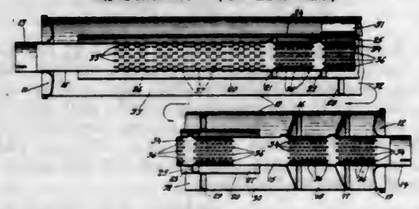
2,191,619
EXHAUST SILENCER
Lloyd E. Muller, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 9, 1934, Serial No. 729,741
16 Claims. (Cl. 181—48)

1. In a silencer, two telescopically related, radially spaced tubular elements which constitute walls of a chamber, a passage of which the chamber constitutes a side branch extending through the inner of the tubular elements—one of the tubular elements being deformed transversely throughout a portion only of its length so as to change its diameter throughout its cir-



cumference and bring it into contact with the other throughout a portion only of its circumference in order to provide means for supporting one of the tubular elements from the other and a passage which communicates with the chamber.

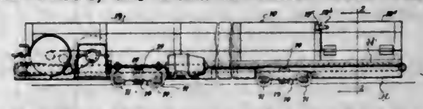
2,191,620
RESONATOR SILENCER
Lloyd E. Muller, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 26, 1936, Serial No. 102,678
12 Claims. (Cl. 181—48)



1. In a silencer, a tube which is riddled throughout a portion of its length with orifices equivalent in area to circular orifices about one-sixteenth of an inch in diameter and throughout another portion of its length with orifices equivalent in area to circular orifices between about one-eighth and about five thirty-seconds of an inch in diameter, a shell which encircles and is radially spaced from the riddled portion of the tube, heads which with the tube and the shell define a compartment which encircles the riddled portion of the tube, and a partition which subdivides the compartment into chambers of resonators with natural frequencies above and below about 300 or 400 cycles per second which are connected to the tube by the smaller orifices and the larger orifices, respectively.

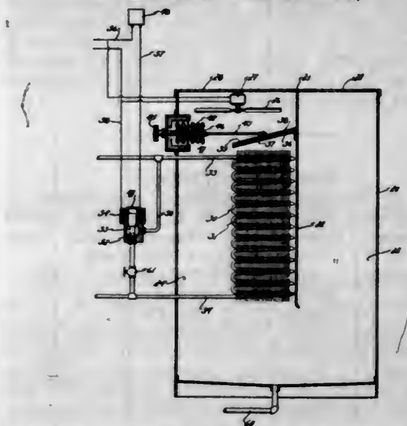
2,191,621
APPARATUS FOR TRANSPORTING MATERIAL IN MINES
Glenn W. Packer, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1937, Serial No. 164,278
4 Claims. (Cl. 105—179)

1. In a track mounted car of the class described, a car frame including a material carrying body, a truck mounting for said body adapted to permit the car to operate in places of low headroom and negotiate curves of a relatively short radius with a minimum of overhang of the ends of the car over the rails including a plurality of independently pivotally movable trucks spaced from the sides of said body and having pivotal supporting connection with the sides of said body on vertical pivotal pins spaced laterally from the sides of said body, each of said trucks including a pair of parallel spaced track wheels, the tread of which track wheels



is wider than the diameter of said wheels, said pivotal pins being disposed between said track wheels and within the lateral boundaries thereof, and the major portion of said pins being disposed above the lower margins of said body.

2,191,622
AIR CONDITIONING SYSTEM
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application March 10, 1934, Serial No. 714,900
1 Claim. (Cl. 236—44)

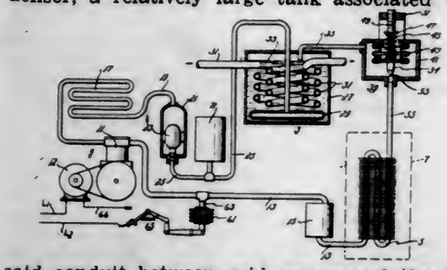


An air conditioning system comprising in combination, a heat absorber through which a refrigerating medium flows and over which air to be conditioned is circulated, a conduit for refrigerating medium connected in parallel with the heat absorber, said conduit having a restricted passage, a valve for controlling the flow of refrigerating medium through said conduit, and means for controlling the temperature and humidity of the air while the air is being circulated at a substantially constant rate comprising a device responsive to air temperature for controlling the amount of sensible heat removed from the air by the absorber and a device responsive to the relative humidity of the air for controlling the valve.

2,191,623
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application June 8, 1937, Serial No. 147,031
1 Claim. (Cl. 62—4)

In combination, in a refrigerating system a pair of evaporators, a coil beverage cooling conduit associated with one of said evaporators, a refrigerant condenser unit for withdrawing gaseous refrigerant from the evaporators and condensing the same and conducting the condensed

refrigerant to the evaporators, means for controlling the flow of refrigerant from the condenser to the evaporators one of said evaporators being connected in series circuit relation with the other evaporator and the compressor unit, a conduit interconnecting said means and the first evaporator to receive refrigerant from the condenser, a relatively large tank associated with

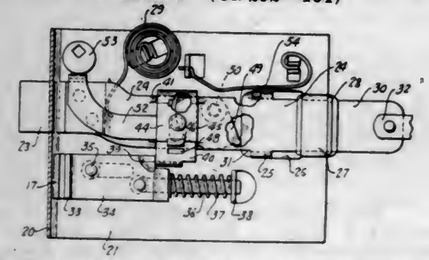


said conduit between said means and the first evaporator to receive refrigerant, means for controlling the flow of refrigerant from one of said evaporators to the other, and thermostatic means associated with each evaporator for controlling the operation of the condensing unit in such a manner that the same will continue to operate so long as the temperature of either evaporator is above a certain high value.

2,191,624
WIPING SOLDER
George S. Phipps, Morristown, and Earle E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 2, 1938, Serial No. 243,532
6 Claims. (Cl. 75—166)

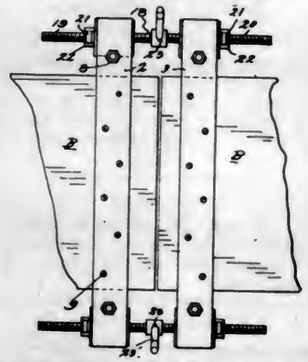
3. A wiping solder containing between about 30 per cent and about 40 per cent by weight of tin, an amount of arsenic between about .02 per cent and about .15 per cent by weight, and the remainder lead together with incidental impurities.

2,191,625
VEHICLE DOOR LATCH
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application November 26, 1937, Serial No. 176,571
7 Claims. (Cl. 292—164)



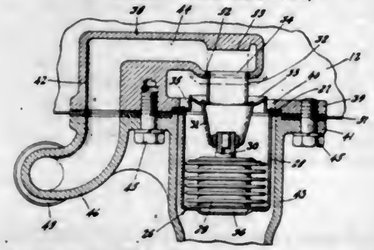
1. In a vehicle door latch the combination of a spring-tensioned latch bolt, outside operated retracting means for said latch bolt, a member carried by said latch bolt and movable relatively thereto for establishing an operative connection with said outside retracting means, inside retracting means having lost motion relative to said latch bolt, means operative upon said lost motion for actuating said member bodily away from operative connection with said outside retracting means, and means independent of said inside retracting means for automatically moving said member to operative position during retraction of said latch bolt away from latching position.

2,191,626
BELT TIGHTENER
Almerin E. Rogers, Fullerton, Calif.
Application September 1, 1939, Serial No. 293,087
5 Claims. (Cl. 254—54)



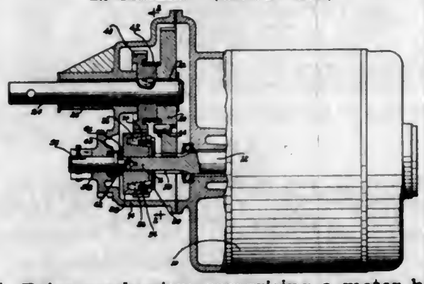
1. A belt tightener including a pair of coplanar top bars and a pair of coplanar bottom bars, means to clamp adjacent top and bottom bars as a pair onto an interposed belt, and end flat and solid web, I-section cradles mounted between and for each clamp pair and in which ends of the bars are adjustable for reception of belts of different thicknesses.

2,191,627
THERMOSTATIC VALVE
Arthur J. Schutt, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 21, 1934, Serial No. 754,034
1 Claim. (Cl. 236—34)



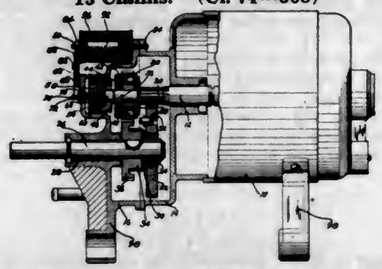
In an internal combustion engine, a member in which there is provided an opening, a valve element which includes a generally tubular portion through which fluid may pass and is adapted to cooperate with the member to prevent flow of fluid through the opening therein except by way of the generally tubular portion, a temperature responsive actuating element carried by the mentioned member and connected to the valve element, a radiator in which there is included a tank with a ported wall, two ported members between which the ported wall of the tank and the first mentioned member are clamped, and a conduit carried by the ported member within the tank and telescopically related to the tubular portion of the valve element.

2,191,628
TRANSMISSION
Ray W. Scott and Andrew O. McCollum, Detroit, Mich., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Michigan
Application May 27, 1937, Serial No. 144,998
12 Claims. (Cl. 74—368)



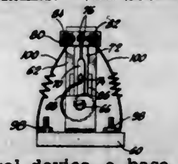
1. Drive mechanism comprising a motor having a transmission housing at one end and having its armature shaft extending into said housing, a gear in said housing mounted on the shaft and movable axially and angularly on the shaft and which is provided with clutch means, said shaft being provided with a drive pinion between said gear and the motor, clutch means fixed on the shaft and engaged by the clutch means of said gear by movement of the gear axially of the shaft to lock said gear to the shaft, operating means for shifting said gear and its clutch means, a counter shaft paralleling the armature shaft, a small gear fixed on the counter shaft and meshing with the first gear, and a large gear on the counter shaft meshing with said pinion and having means for drivably connecting it to the counter shaft for low speed drive but permitting the counter shaft to over-run to give high speed when the clutch means is engaged.

2,191,629
TRANSMISSION
Ray W. Scott and Andrew O. McCollum, Detroit, Mich., assignors to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application October 4, 1937, Serial No. 167,235
13 Claims. (Cl. 74—368)



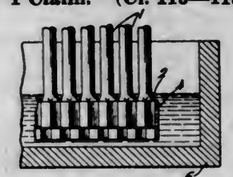
1. In a transmission of the type comprising a casing containing lubricant and within which are arranged driving and driven shafts and gearing interconnecting them and which has two clutches arranged when effective respectively to cause the gearing to drive at high or low speed and one of which over-runs and is ineffective when the other is rendered effective, a pump within the casing directly driven by said driving shaft and acting on lubricant taken from the supply in said casing, means operable from the exterior of the transmission selectively to maintain or to relieve the pressure on the lubricant acted on by the pump and a fluid-power actuator for said other clutch utilizing said lubricant acted on by the pump as its working fluid and engaging and disengaging said other clutch according to whether said pressure is maintained or relieved.

2,191,630
HUMIDITY COMPENSATED THERMOSTAT
Leroy W. Shutts, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 17, 1937, Serial No. 148,639
2 Claims. (Cl. 200—52)



1. In a control device, a base, a substantially U-shaped supporting bracket, a shaft supported parallel to the base on one arm of the bracket, a temperature responsive bimetal helix supported on the shaft, a pivotal contact arm carried by the shaft and connected to the bimetal helix to be operated thereby, a second pivoted arm carried by the shaft spaced from the first, contacts carried by the second arm and positioned to cooperate with the contact arm for switching purposes and humidity responsive means carried by the other arm of the supporting bracket, said humidity responsive means being operatively connected to the second arm to adjust the position of the same due to humidity changes.

2,191,631
BRAZING OF THIN METAL STRUCTURES
Leroy W. Shutts and Philip S. Rosenberg, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 28, 1938, Serial No. 232,084
1 Claim. (Cl. 113—118)

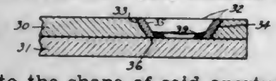


In the manufacture of heat exchangers of the type having a number of spaced tubes with opposite end portions expanded and nested together, the method of brazing said end portions comprising applying solid coatings of brazing material to portions of the tubes spaced inwardly of the opposite end portions, assembling a number of such tubes with their uncoated end portions nested together in surface contact, brazing one face of the tube assembly by immersion of the nested ends in a heat concentrating liquid to melt and flow the brazing material downwardly between the nested ends, and then turning the assembly end for end and similarly brazing the other face thereof.

2,191,632
HINGE
Welden R. Smith, Chicago, Ill.
Application December 3, 1936, Serial No. 113,950
1 Claim. (Cl. 287—101)

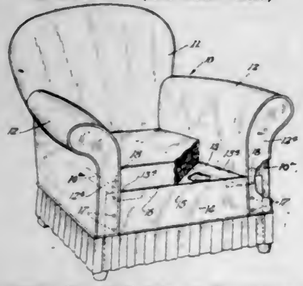
A hinged joint for connecting the ends of two

flat strip like members having adjacent faces, one of said members having an aperture extending therethrough, the diameter of said aperture being greater on the outer face of said one member than on the opposite adjacent face of said one member, a hollow plug member conforming



in shape to the shape of said aperture and disposed in said aperture with its inner end surface in abutting relation with the adjacent face of the other of said two members, and a fused metal connection rigidly securing the abutting surfaces of said plug member and said other member together.

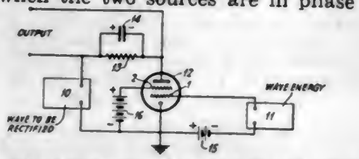
2,191,633
FURNITURE SLIP COVER
Philip Trubitz, Chicago, Ill., assignor to Sam Pass, Chicago, Ill.
Application July 2, 1938, Serial No. 217,157
1 Claim. (Cl. 155—182)
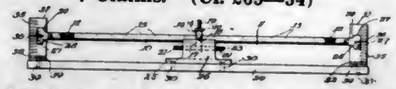


A slip cover for articles of furniture differing in size comprising a seat cover section, arm cover sections secured thereto, a drop for covering the front of the article between said arm cover sections, said drop being attached to the seat cover section at the intermediate portion of the upper horizontal edge and unattached thereto at the end portions of such edge to provide free end portions whereby the lateral portions of the seat cover section along the junction of the same with the arm cover sections can be tucked downwardly along the lateral sides of the seat of the article independently of said free end portions of said drop, said free end portions extending laterally sufficiently to enable the same to be disposed in overlapping relation with the respective arm cover sections and to be attached thereto, and a flap extending downwardly from the forward edge of the seat cover section adjacent each free end portion of the drop and each adapted to be overlapped by one of said free end portions.

2,191,634
RECTIFIER
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 27, 1936, Serial No. 107,817
In Germany November 26, 1935
5 Claims. (Cl. 175—363)

1. A rectifying circuit for an alternating current system comprising a multi-grid electron discharge tube, a source of waves to be rectified connected between the cathode and anode of said tube, means including a second source of wave energy applied between the cathode and one of the grids of said tube for blocking the same when the two sources are in phase opposition and means including one of the other grids for maintaining linearity of rectification.



2,191,635
BALANCE
Melvin H. Van H. Battenberg, Chicago, Ill.
Application May 29, 1936, Serial No. 82,553
7 Claims. (Cl. 265—54)



1. A balance for weighing, embodying a beam, and vernier graduations at both ends of said beam.

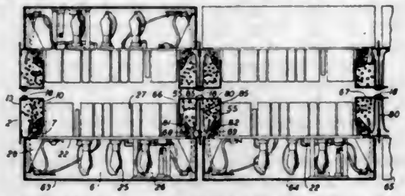
2,191,636
RADIATOR OVERFLOW VALVE
Nelson Walker, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 5, 1938, Serial No. 206,235
1 Claim. (Cl. 277—61)

In a radiator overflow valve, a casing, a valve within the casing comprising a gasket and a backing plate therefor, a hollow rivet securing together the gasket and backing plate, a second gasket seating over and having a pin projecting through the hollow rivet, a coil spring to seat the last mentioned rivet and bearing at one end on said plate and a spring retainer carried by the pin to seat the opposite end of the spring and provided with plate engaging stops to limit compression of the spring and prevent closing of its coils.

2,191,637
FRAME SUPPORT
Anthony J. Wier, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 22, 1938, Serial No. 203,531
4 Claims. (Cl. 175—307)

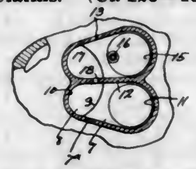
4. In a support for electrical apparatus, end frames and an intermediate frame disposed in endwise alignment and comprising panel boards supporting electrical apparatus parts, spaced hollow posts supporting said panel boards and joining said end frames to said intermediate frame and each of said hollow posts comprising wall members L-shaped in cross-section, a clamp frictionally holding edge portions of said wall members in alignment to form a back wall of said post,

a plate extending longitudinally of and within the central portion of said post and brackets attached



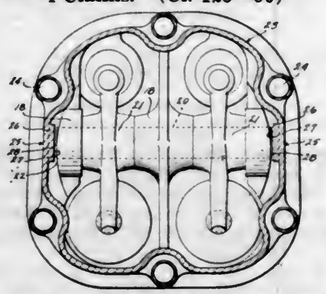
to said plate and removably attached to said wall members.

2,191,638
INTERNAL COMBUSTION MOTOR
Amos D. Adams, Jr., Los Angeles, Calif.
Application August 9, 1938, Serial No. 223,843
4 Claims. (Cl. 123—191)



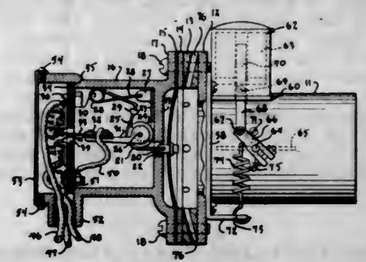
1. An internal combustion engine having a piston cylinder and a means for igniting a fuel charge therein, and a cylinder head having a head wall lying across the cylinder end for close clearance to its relative piston and the said wall being provided with a plurality of elongate, transverse, isolated, intake and exhaust combustion pockets for high compression ratio, and said pockets having isolated port portions, in the said head wall, overhanging the near end of the cylinder bore and both being on the same side of the cylinder; said ports being closely contiguous and relatively separated and wholly within respective quarter areas over the piston end at the side of the cylinder at which the pockets are located.

2,191,639
ENGINE
Carl F. Bachle, Grosse Pointe, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application September 26, 1938, Serial No. 231,711
4 Claims. (Cl. 123—90)



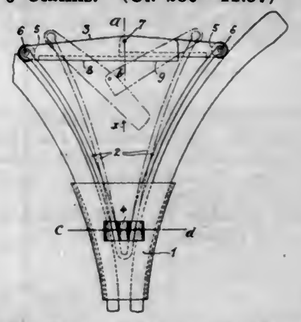
1. An engine structure having in combination, a cylinder head, valve means supported by said cylinder head, valve actuating mechanism including a valve actuating rocker arm, rocker arm supports carried by said cylinder head and projecting outwardly beyond the outer end of said cylinder head, a pin supported by said rocker arm supports and pivotally supporting said rocker arm, and a rocker box cover secured to said cylinder head and housing said rocker arm supports, said rocker box cover having inwardly projecting bosses axially aligned with said pin and positioned closely adjacent to the end faces of said pin for limiting axial movement of said pin.

2,191,640
RADIANT HEAT SENSITIVE DEVICE
Robert A. Beveridge, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 22, 1937, Serial No. 181,122
8 Claims. (Cl. 158—28)



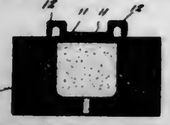
1. In a burner control system in combination, a furnace, a fuel burner for producing a fire in said furnace, a heat responsive device located in the wall of said furnace in a position to absorb radiant heat from the fire produced by said fuel burner, control means for energizing and deenergizing said fuel burner, said control means including means operated by said heat responsive device, and means permitting radiant heat from said fire to pass to said heat responsive device when said burner is energized and preventing radiant heat from passing to said heat responsive device when said burner is deenergized.

2,191,641
DEVICE FOR MAINTAINING THE BEND OF THE TIPS OF SKI
Leo Burch, Zurich, Switzerland
Application December 13, 1938, Serial No. 245,511
In Switzerland December 15, 1937
6 Claims. (Cl. 280—11.37)



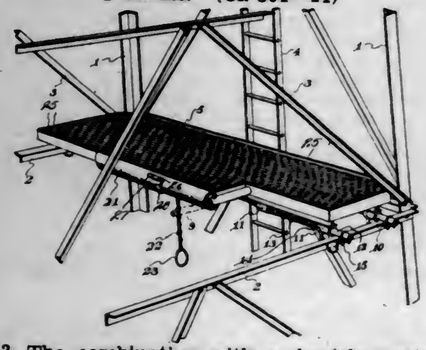
1. A device for maintaining the bend in the tips of a pair of ski having their running surfaces adjacent, comprising means for stretching apart one from another the tips of such ski including comprising two clamps the cross-section of which is U-shaped and widens from one end of the clamp to the other in such a manner that the flanges of the clamps adapted to grasp two adjacent edges of the ski follow the tips of the ski along a part of the bent portions thereof.

2,191,642
SCRUBBING DEVICE
Manuel Carvalho, Somerville, Mass.
Application December 16, 1938, Serial No. 246,221
1 Claim. (Cl. 15—122)



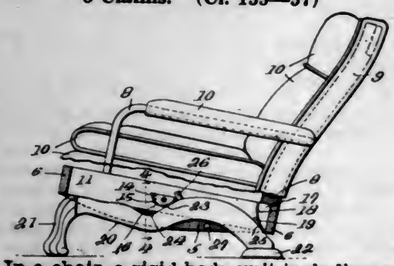
In a scrubbing device of the character described, a sponge of block-like form having a well therein opening at one side of the block, a backing sheet of elastic material secured to the said side of said block and covering the well, said sheet being provided with a slit through which access is had to said well, strips of elastic material connected with the outer face of the sheet, one on one side of the slit and the other on the opposite side thereof with the adjaceent edges of said strips being adjacent the walls of said slits and hooks formed on the outer edges of said strips and adapted to be engaged by a handle member.

2,191,643
TUBING HANDLING BOARD FOR DERRICKS
Charles L. Deckard, Tulsa, Okla.
Application June 21, 1938, Serial No. 215,066
4 Claims. (Cl. 304—14)



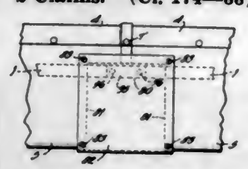
3. The combination with a derrick platform disposed within a derrick and extending inwardly towards the axis of the derrick, of a convexed guard carried by the inner end of the platform.

2,191,644
ADJUSTABLE CHAIR
Isaac C. Decker, Montgomery, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corpofation of the United States
Application October 25, 1937, Serial No. 170,924
8 Claims. (Cl. 155—57)



8. In a chair, a rigid body unit including a seat frame, back and arm portions, runners at each side of the seat frame extending from the front of the seat frame to the rear thereof, a supporting foot at the front end of each runner and a supporting foot at the rear end of each runner, each of said runners having an upwardly and rearwardly extending forward portion and a rearwardly and downwardly extending portion adjacent the rear end thereof, means rigid with the seat frame and having sliding frictional contact, respectively, with the upwardly and downwardly extending portions serving as the sole support for the body unit, and means contacting with the runners in advance of the upwardly extending portion for limiting the forward shift of the seat frame on the runners.

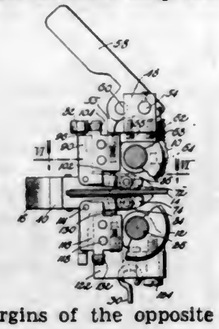
2,191,645
BUS DUCT
Martin J. De Mask, Pittsfield, Mass.
Original application July 12, 1935, Serial No. 30,956. Divided and this application August 12, 1937, Serial No. 158,676
2 Claims. (Cl. 174—88)



1. A bus duct run comprising bus duct sections each of which includes a substantially closed duct section having an upper wall and a lower wall connected by spaced side walls and containing bus sections, means for detachably securing together the adjacent ends of duct sections to form a continuous duct run, means within said duct sections supporting said bus sections spaced from each other and from said upper wall of each of said duct sections, the adjacent ends of bus sections being normally electrically connected to form continuous bus runs, said bus duct run being provided with an opening permitting access to the bottoms and sides of bus section junctures, said opening being formed by providing one of said adjacent ends of duct sections with a recess, said recess extending across said lower wall and up said side walls of said one of said adjacent ends and terminating above said bus sections, said means for detachably securing together said adjacent ends of duct sections being located above said bus sections so as to allow unrestricted access through said opening to said bus section junctures, and a cover of channel-like form removably secured over said opening.

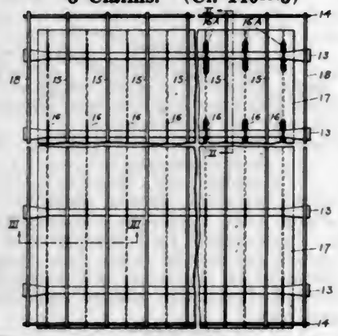
2,191,646
APPLYING BINDING TO INSOLES
Thomas J. Doyle, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 22, 1937, Serial No. 181,185
16 Claims. (Cl. 12—17)

1. In a machine for applying an adhesive binding strip around the edge of an article, work-feeding mechanism, a guide for the binding strip, said guide extending rearwardly toward the ingoing side of the machine at an angle of less than ninety degrees to the path of feeding movement, and presser means adjacent said work-feeding mechanism and closely associated with said guide and positioned above and below the work, said presser means being constructed and arranged to bring the marginal portions of the adhesive strip into engagement



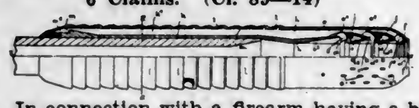
with the margins of the opposite faces of the work.

2,191,647
METHOD OF MAKING PLASTER GROUNDS
Walter S. Edge, Atlanta, Ga.
Application November 15, 1938, Serial No. 240,477
8 Claims. (Cl. 140—3)



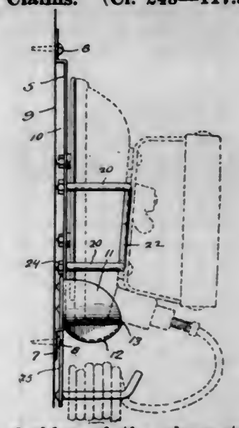
1. The method of making plaster ground which comprises forming rows of transversely alined slits in a backing sheet, positioning lacing wires at the rear side of the sheet and a mesh at the front of the sheet, deflecting the sheet and the lacing wires relative to one another, so that portions of the lacing wires will extend forwardly through the slits, inserting retaining members between the sheet and the said forwardly-extending portions of the lacing wires, in a direction crosswise of said wires, and connecting the retaining members to the mesh.

2,191,648
RECOIL ABSORBER FOR FIREARMS
Norbert Jules André Galliot, Vaucresson, and Jeanne Adrienne Victorine Anna Chable, Paris, France
Application July 28, 1937, Serial No. 156,226
In Switzerland August 3, 1936
6 Claims. (Cl. 89—14)



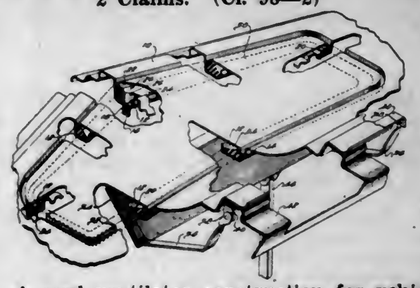
1. In connection with a firearm having a barrel, a recoil absorber which comprises, in combination, at least two convergent divergent nozzles fixed in series to the end of said barrel coaxially therewith, a system of blades carried by said nozzles for deflecting the gases issuing from said barrel into a rearward direction and rotating them about the axis of said barrel, a plurality of frusto-conical rings each having its large base turned toward the front of the firearm mounted around the axis of said barrel at the rear of said nozzles so as to be struck by the gases thus deflected rearwardly, said rings being individually slipped around said barrel, and means for keeping said rings in position.

2,191,649
HOLDER FOR ELECTRIC IRONS
William H. Gey, Boston, Mass.
Application March 31, 1938, Serial No. 199,271
4 Claims. (Cl. 248—117.3)



2. An iron holder of the character described including a vertical supporting plate larger than and of a shape substantially conforming to the outline of the bottom of the iron to be held, means to facilitate fastening of said supporting plate to a vertical support or wall in spaced relation to the latter, side iron retaining elements carried by the supporting plate behind which the iron may be engaged, spaced curved supporting flanges on the bottom of the supporting plate forming a rest for the heel of the iron, and an insulating plate secured to the front of said supporting plate in parallel spaced relation to the latter, said side retaining elements including U-shaped rod members fixed at their ends to the supporting plate and having their intermediate portions extending inwardly at right angles to their ends to overlie the top of the iron when placed in the holder.

2,191,650
COWL VENTILATOR STRUCTURE
Otto F. Graebner, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 11, 1937, Serial No. 168,406
2 Claims. (Cl. 98—2)



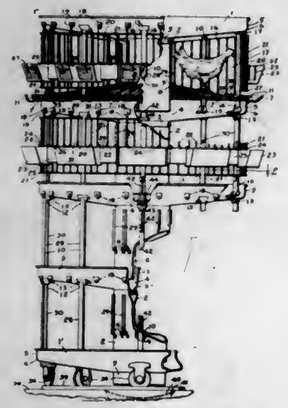
1. A cowl ventilator construction for vehicles

comprising, in combination, a cowl member having a ventilating opening therethrough defined by means forming a channel, a sealing member disposed within said channel, said sealing member having a substantially straight upper edge portion and a sloping portion of gradually increasing depth around said channel to provide a sloping drain passage, and a closure member pivotally mounted for movement relative to said opening.

2,191,651

CART WHEEL BATTERY

Charles G. Haesloop, Rocky Point, N. Y.
Application September 16, 1936, Serial No. 101,060
9 Claims. (Cl. 119—48)



1. In a poultry battery, laying cages arranged radially comprising units each having a drain pan, and stanchions terminating in and detachably secured to said drain pans whereby any number of units may be quickly assembled to form tiers to change the capacity of the battery.

2,191,652

METHOD OF SEALING EARTH FORMATIONS

Andrew C. Hamilton, Jr., Dallas, Tex., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 12, 1938, Serial No. 224,637
6 Claims. (Cl. 61—36)

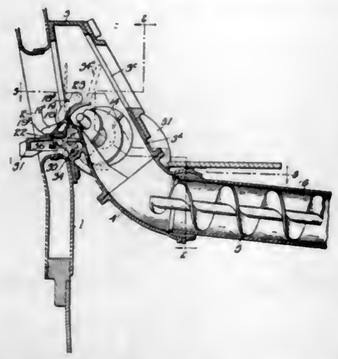
1. The method of sealing an opening in the earth which comprises forcing into it a liquid slug or column of potentially hardenable calcined gypsum gauged with water and characterized by a definitely predetermined time of set until said slug reaches the point in the opening where it is desired to seal the same and where the slug will then rapidly set to effect sealing of the opening.

2,191,653

METHOD OF STOKING LOCOMOTIVES

William Thompson Hanna, Cincinnati, Ohio
Original application June 18, 1928, Serial No. 286,222. Divided and this application June 11, 1936, Serial No. 84,611
8 Claims. (Cl. 110—104)

1. The method of coal firing a locomotive fire box which comprises projecting the coal into the fire box in a succession of shower bands following each other in sequence, each shower band extending lengthwise of the fire box, and moving each shower band from one side of the fire box thereover in one direction only, whereby successive



regularly intermittent coal showers are precipitated upon the various portions of the fire bed.

2,191,654

LEATHER FINISH

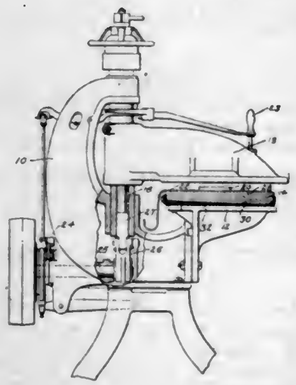
Harry J. Haon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1938, Serial No. 224,117
5 Claims. (Cl. 260—8)

1. A water-dispersed leather finishing composition comprising an aqueous emulsion of a polymeric alpha-substituted acrylic acid ester of an alcohol containing from 3 to 8 carbon atoms, albuminous material and a modifying agent selected from the group consisting of shellac and wax.

2,191,655

CLICKING MACHINE

John F. Hardy, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 13, 1938, Serial No. 245,434
4 Claims. (Cl. 164—23)



4. In a press of the character described, a composite cutting block comprising a main body portion of fibrous material having a work supporting upper surface and a tapered under surface, and a wedge shaped resilient supporting portion secured to the under surface.

2,191,656

VULCANIZATION ACCELERATOR

Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 16, 1937, Serial No. 169,473
14 Claims. (Cl. 260—789)

5. The process of vulcanizing rubber which comprises heating rubber and sulfur in the presence of a compound possessing the formula R—S—NH—R_1, wherein R represents an arylene thiazyl group and R_1 represents a hydrocarbon radical selected from a group consisting of cyclohexyl, benzyl and hexahydrobenzyl radicals.

2,191,657

PROCESS OF PREPARING CYCLOHEXYL- AND BENZYL-AMINO MERCAPTO-BENZOTHIAZOLES

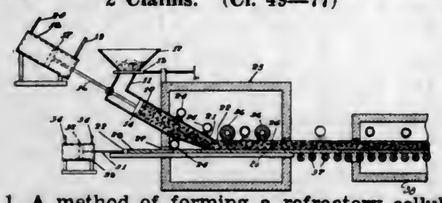
Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application October 16, 1937, Serial No. 169,473. Divided and this application July 20, 1938, Serial No. 220,341
13 Claims. (Cl. 260—306)

1. A process for the production of a chemical product comprising condensing a mercaptoarylthiazole containing an S—X group in the 2 position, X being selected from a group consisting of hydrogen and metal and a primary amine selected from the class consisting of a cyclohexyl and benzyl amines in the presence of an oxidizing agent.

2,191,658

METHOD OF PREPARING CELLULAR MATERIALS

Elmer H. Haux, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 22, 1938, Serial No. 186,328
2 Claims. (Cl. 49—77)

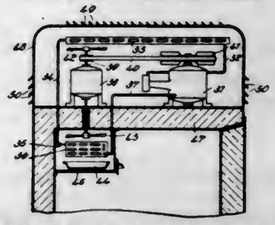


1. A method of forming a refractory cellular insulating body which comprises pulverizing a material selected from a class consisting of glass and blast furnace slag so that substantially all of it will pass a screen of about 28 mesh while substantially all of it is retained by a screen of about 200 mesh, admixing the material with about 1 to 2% of calcium carbonate as a gassing agent, then gradually heating the mixture in order first to sinter the particles of pulverized vitreous material together at their points of contact into a coherent mass, then to decompose the calcium carbonate to liberate bubbles of carbon dioxide gas, and finally to a maximum within a range of about 1600 to 1750 degrees F. to soften the material so that the liberated gases can expand to form a light cellular body, and cooling the body.

2,191,659

COLD PRODUCING PLANT

Rudolf Hintze, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application June 2, 1937, Serial No. 145,962
In Germany June 3, 1936
3 Claims. (Cl. 62—102)

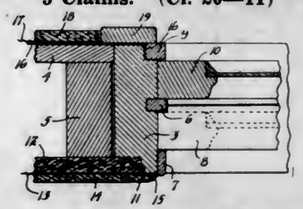


1. A refrigerating arrangement having a thermically insulated cooling chamber subdivided into two compartments one serving for storing the goods to be cooled, the other containing the heat absorbing element of said arrangement, a fan disposed in the compartment of said heat absorbing element and arranged above said element, a motor for actuating said fan arranged outside on top of said chamber and having a vertical shaft connected with said fan through the heat insulating wall of said chamber, and means associated with said compartment of said heat absorbing element for regulating the flow of air impelled by said fan through said latter compartment, said means comprising openings in the wall parting said two compartments and a closure member for selectively covering and uncovering one of said openings.

2,191,660

WINDOW FRAME CONSTRUCTION

Noie Hirschey, Aberdeen, S. Dak.
Application April 17, 1939, Serial No. 268,221
5 Claims. (Cl. 20—11)



1. In a building construction, a pair of spaced vertical window jamb elements having vertical rabbeted portions, blind stops positioned within said rabbeted portions in their opposed side faces and sheets of building material extending along edge faces of said jambs having vertical edge portions extending into the rabbeted portions of said jambs between said jambs and said blind stops, at an angle to said edge faces.

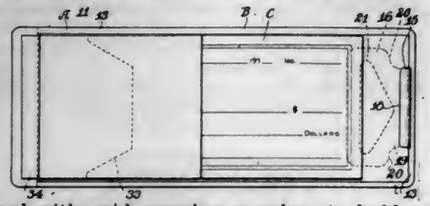
2,191,661

CHECK BOOK

William Roy Hotchkiss, St. Paul, Minn.
Application October 24, 1936, Serial No. 107,436
12 Claims. (Cl. 281—19)

3. A check book including a covering member foldable intermediate the ends thereof, a pad of check blanks, means engaging one end of said pad with said covering member adjacent one end of said covering member, and hook means mounted on said covering member adjacent the

other end thereof, said hook means adapted to engage said one end of said pad of checks en-



gaged with said covering member, to hold said covering member closed.

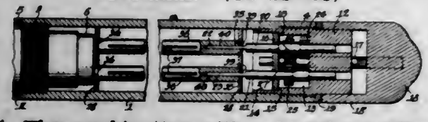
2,191,662

INFORMATIVE BARREL FOR PENCILS, PENS, OR THE LIKE

Lillian Yancey Huffaker, Los Angeles, Calif.

Application November 30, 1938, Serial No. 243,249

14 Claims. (Cl. 24—95)



1. The combination with a barrel providing a window, of a cartridge removably mounted in the barrel, separate spools carried thereby, and detachable means separate from the cartridge for actuating the spools, said means including a structure removably engaging the barrel, a shiftable gear carried by and rotatably mounted relative to said structure, means for operating the gear, and separate means actuated by said gear for detachably engaging and driving either of the spools.

2,191,663

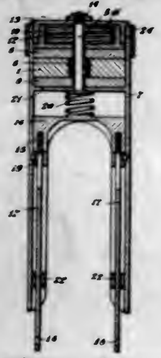
CYCLE

Jacques Auguste Hussy, Geneva, Switzerland

Application February 19, 1938, Serial No. 191,530

In Switzerland February 25, 1937

1 Claim. (Cl. 280—279)



In a cycle steering mechanism, the combination with a frame, of an inclined supporting disk rigid with said frame and forming the only support of said mechanism, a forked outer sleeve divided by a transverse partition into an upper part mounted to rotate on said disk and a lower part adapted to receive the front wheel carrying fork, a central stem solid with said partition and extending axially therefrom into the upper part of the sleeve to traverse said supporting disk, a roller bearing interposed between said stem and disk, spring pressed friction rings disposed on said stem on either side of said supporting disk and adapted to rotate with said stem, a guide bar rigid with said sleeve, and spring means for constantly applying said friction rings and supporting disk against one another.

2,191,664

AGE RESISTING RUBBER COMPOSITION

Joseph R. Ingram, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 6, 1937, Serial No. 173,219

14 Claims. (Cl. 260—802)

1. The method of preserving rubber which comprises treating rubber with a product obtainable by heating in the presence of a condensation catalyst a ketone and a primary para amino substituted diaryl thio ether, said aryl radicals being selected from the benzene and naphthalene series, and wherein one aryl radical only is amino substituted.

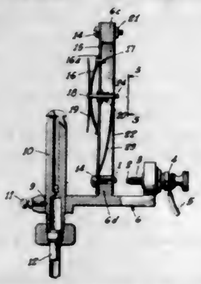
2,191,665

AUTOMATIC CIRCUIT BREAKER

Wayne E. Jenkins, Los Angeles, Calif., assignor to Domestic Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California

Application January 13, 1939, Serial No. 250,785

5 Claims. (Cl. 200—138)



1. A temperature-responsive device comprising: a bowed bi-metallic strip, an abutment against which the two end-portions of said strip normally bear, said end-portions being unattached to said abutment and free to slide along the surface thereof, a supporting member attached to said strip intermediate the ends thereof and extending laterally therefrom, said supporting member being movable in a direction which is substantially normal to the plane of said strip, when said strip is straightened out, and a spring acting on said supporting member and thereby continuously urging said strip toward said abutment, said strip being free to assume a curvature opposite to its normal curvature and having a tendency so to do in response to rising temperature.

2,191,666

TOOL ELEMENT

Richard Kieffer, Reutte, Austria, assignor to The American Cutting Alloys, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 13, 1936, Serial No. 58,991. In Germany January 12, 1935

6 Claims. (Cl. 75—136)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. An alloy adapted to be welded directly upon a ferrous support, such as a tool shank, consisting substantially of more than 50% metal selected from tungsten and molybdenum, a minor portion of metal selected from the iron group, appreciable amounts up to about 6% of a substance of metalloidal character selected from a group consisting of titanium, zirconium and silicon, about 10% to about 15% chromium, and carbon in an amount sufficient to form carbide with the first-named metal present in the hard alloy and substantially forming such carbide therewith, the proportions of said constituents selected so that the welding temperature of the alloy is close to the melting temperature of said ferrous support.

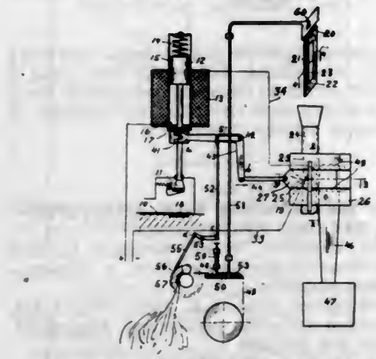
2,191,667

AUTOMATIC POSTAGE STAMP PRINTING

Aksel Richard Kivialho and Toivo Petter Koljonen, Helsingfors, Finland; Alli Sanni Koljonen executrix of said Toivo Petter Koljonen, deceased

Application March 29, 1937, Serial No. 133,638

2 Claims. (Cl. 194—1)



1. An apparatus for stamping printing on letters comprising a support for the letter, a die, a reciprocable rod at one end carrying said die, an armature carried by the other end of said rod, a coil having an aperture therethrough, the armature fitting and sliding in said aperture to constitute a solenoid, an electric circuit connected with said coil, a switch in said circuit, said switch being normally open, a pin on said switch, a button for operating said switch, a coin slot, a coin passage connected with said slot, the button moving the switch to a position wherein the pin thereon abuts the coin and whereby further movement of the button causes the switch to close to energise the solenoid.

2,191,668

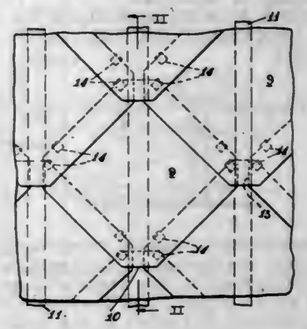
COVERING FOR BUILDINGS

Percy E. Knudsen, Pittsburgh, and Melvin E. Toussaint, Beaver, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application August 17, 1938, Serial No. 225,360

10 Claims. (Cl. 108—10)

1. A sheathing construction comprising upper and lower courses of shingle-like plates of glass capable of transmitting light, said courses being contiguous, the lower portions of the plates in the upper course overlapping the upper portions of the plates in the lower course, the plates in said upper course being staggered with respect to those in the lower course, to cover the upper portions of the spaces between the plates in the lower course, shims inserted between the plates in the two courses, and preventing contact of the plates in one course with those in the other, said shims being supported by the upper edge portions of the plates in the lower course and supporting



and being completely overhung by the lower edge portions of the plates in the upper course, the shims being of a thickness sufficient to obviate the tendency of water to flow back between the plates by capillary attraction.

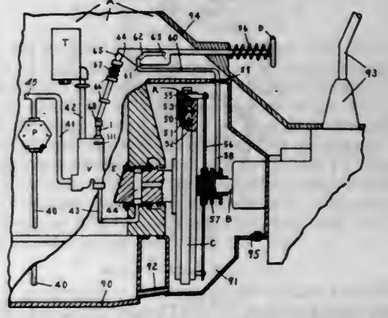
2,191,669

LIQUID AUTOMOBILE CLUTCH CONTROL

Ralph H. Kress, Lawrence, Mass., assignor to Patent Protection Corporation, Lowell, Mass., a corporation of Massachusetts, trustee

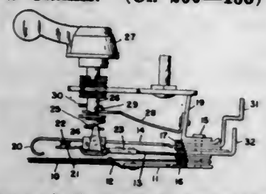
Application August 6, 1935, Serial No. 34,915

12 Claims. (Cl. 192—85)



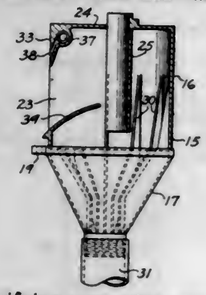
4. The combination; of a liquid operable clutch including a liquid pressure chamber and a movable clutch member operable by liquid pressure in said chamber to force the clutch members together against elastic mechanical means forming part of the clutch, said chamber being connected by conductors with a source of liquid pressure; with a control valve casing interposed in said conductors, said control valve casing including a bore having a lateral casing inlet port from the source of pressure, and an axial pressure chamber at one end leading to the clutch liquid pressure chamber; a plug slidable in the bore having a head and a lateral inlet port through the side leading to the axial pressure chamber and in position and size to register with the lateral casing inlet port; a regulating compression spring which engages the plug head; a control rod which engages the regulating spring; and control means to open and close the control valve including means outside the valve to normally keep it closed.

2,191,670
THERMOSTAT
Frank Kuhn, Detroit, and Laurence H. Thomas, Birmingham, Mich., assignors to American Electrical Heater Company, Detroit, Mich., a corporation of Michigan
Application June 13, 1938, Serial No. 213,522
2 Claims. (Cl. 200—138)



1. A thermostatic switch comprising a thermostatic bar supported at one end, a resilient member supported at the same end as said bar biased to move towards said bar, an intermediate resilient member supported at the same end and biased to move away from said bar towards said first resilient member, cooperating contacts on said first and intermediate resilient members, a stop for engaging said intermediate member and a return-bent strip extending from the free end of said first resilient member towards said thermostatic bar for engaging the latter.

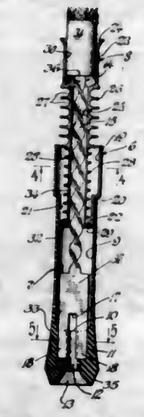
2,191,671
STEAM PURIFYING APPARATUS
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application November 26, 1937, Serial No. 176,549
3 Claims. (Cl. 183—24)



1. Steam purifying apparatus comprising a hollow casing having a central outlet through which steam may escape upwardly through the upper wall of the casing, means providing an inlet passage connected to the casing tangentially through which steam may be delivered to the casing and caused to whirl therein about the outlet, means to discharge comparatively clean water across the path of the steam in the inlet passage, the lower wall of the inlet passage being shaped to discharge outwardly by gravity water which contacts therewith, and means providing a drain through which water may escape from the casing.

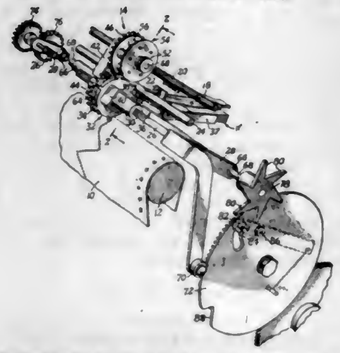
2,191,672
CIGARETTE HOLDER
John Malicki, Chicago, Ill.
Application October 22, 1938, Serial No. 236,527
1 Claim. (Cl. 131—182)

A cigarette holder comprising, a mouth-piece member provided with slotted portions adapted to hold removably a condenser member, a condenser member having a spiral shaped condensing surface, an adapter ferrule member provided with a shoulder portion, and having a reduced neck portion adapted to be removably secured in one end of said mouth-piece member, a cigarette holder slidably attached to said adapter ferrule



member, the said cigarette holder being provided with a series of cooling flange portions, and a spring member confined between one of said cooling flange portions and the shoulder portion of the said adapter ferrule member.

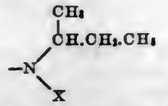
2,191,673
PRINTING MECHANISM FOR MULTIPLE-RECORD RECORDERS
Frank Moore, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Original application March 6, 1935, Serial No. 9,655. Divided and this application August 10, 1937, Serial No. 158,301
3 Claims. (Cl. 234—66)



1. In apparatus of the class described, in combination, printing mechanism for printing individual records of a plurality of values on a chart, a hub having mounted thereon a plurality of type, one for each value, an inking reel for inking each type with a characteristic color having a plurality of pads, said hub and inking reel being geared together and said type and pads being so positioned with respect to one another that as said hub is rotated each type is inked by a corresponding pad, and means for rotatively mounting each pad so that contact with the type turning about a different axis than the pad causes the pad to rotate to present a fresh surface to the type at the next inking operation.

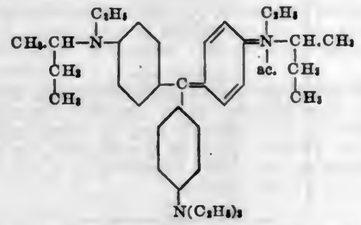
2,191,674
BASIC TRIARYLMETHANE DYES
Werner Müller, Cologne, and Wilhelm Schepss, Leverkusen I. G.-Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 23, 1939, Serial No. 263,670. In Germany March 28, 1938
7 Claims. (Cl. 260—391)

1. As new products basic triarylmethane dyes containing in their molecule at least once a basic group of the formula



wherein X stands for one of the group consisting of hydrogen, alkyl and hydroxyalkyl.

6. As new product the basic triphenylmethane dye of the formula



dyeing cotton mordanted with tannic acid clear violet shades.

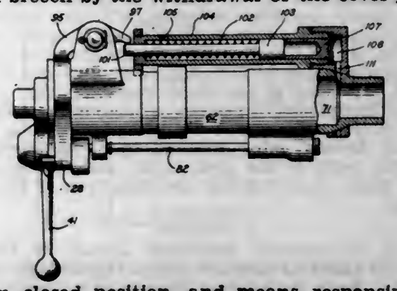
2,191,675
SOLID LUBRICANT COMPOSITION
Eger V. Murphree, Summit, and William J. Sweeney, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 2, 1938, Serial No. 217,218
6 Claims. (Cl. 87—9)

1. A substantially anhydrous grease composition suitable for lubrication of locomotive driving journals, consisting principally of substantially equal amounts of soda soap and heavy hydrocarbon oil and containing a relatively small amount of a residue obtained on the distillation of fatty acids, said residue being miscible with said heavy hydrocarbon oil and substantially non-distillable without decomposition.

2. A substantially anhydrous grease composition suitable for use as a locomotive driving journal lubricant, consisting principally of substantially equal amounts of soda soap and heavy hydrocarbon oil and containing a relatively small amount of a residue obtained by distillation of fatty acids obtained from the oxidation of paraffine wax, said residue being miscible with said heavy hydrocarbon oil and substantially non-distillable without decomposition.

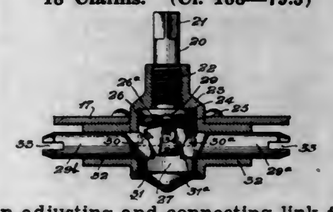
2,191,676
FLUID PRESSURE GENERATION
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 18, 1937, Serial No. 148,997
3 Claims. (Cl. 123—183)

1. A cartridge firing device comprising, in combination, a movable cartridge firing pin, a breech having a cover plate surrounding said firing pin, means for moving said firing pin into position to ignite the powder charge of the cartridge, manually operable means for opening said breech by the withdrawal of the cover plate



from closed position, and means responsive to the pressure of the gases resulting from such ignition to prevent operation of said manually operable means until the pressure of said gases has dropped below a fixed, predetermined value.

2,191,677
BRAKING APPARATUS
Claude H. Nickell, Newcastle, Ind.
Application January 15, 1938, Serial No. 185,214
18 Claims. (Cl. 188—79.5)



8. An adjusting and connecting link for brake shoes or the like comprising a housing having diametrically opposed bores, plungers slidably supported therein, a cam associated with the inner ends of said plungers in a manner to effect a modified movement of one of the plungers when a predetermined movement is given to the second plunger, adjustment means associated with said housing and causing bodily movement of said cam to affect the distance between the inner ends of said plungers.

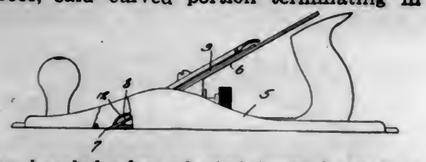
2,191,678
PROCESS OF PREPARING TABLETS
Ferdinand W. Nitardy, Brooklyn, and Lionel T. Andrews, Jamaica, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1938, Serial No. 199,736
8 Claims. (Cl. 167—82)

1. In the process of preparing tablets by compressing granulations, the step of incorporating in the granulation a lubricant consisting of a water-insoluble soap.

2,191,679
PLANE CONSTRUCTION
John F. O'Byrne, Kalamazoo, Mich.
Application March 19, 1938, Serial No. 196,980
1 Claim. (Cl. 145—16)

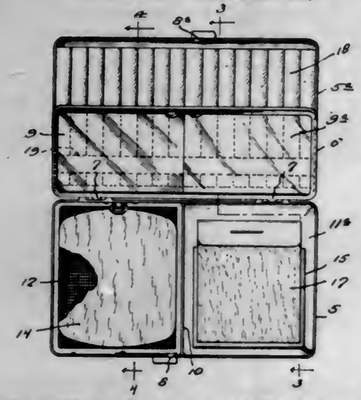
In a plane, a body portion, a plane iron mounted within the body portion, a plurality of transversely disposed teeth arranged along the upper surface of the plane iron, a cap iron adjustably

mounted on the plane iron, said cap iron having a curved portion formed adjacent to one end thereof, said curved portion terminating in a



sharp beveled edge adapted to fit between adjacent teeth of the plane iron, and the teeth of the plane iron forming continuations of the cap iron.

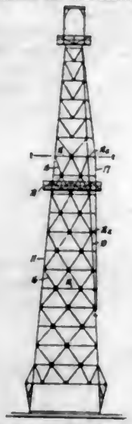
2,191,680
CIGARETTE AND VANITY CASE
Ruth Potishman, Fort Worth, Tex.
Application January 11, 1939, Serial No. 250,413
1 Claim. (Cl. 132—83)



A cigarette and vanity case including a body composed of two similar sections in the form of shallow oblong trays, and a flat division member disposed intermediate and completely spacing said sections, means hinging said sections and said division member together along corresponding longitudinal edges for independent movement, catches on the remaining longitudinal edges of said sections engageable with said division member to releasably secure the latter in closing relation to said sections, said division member comprising a frame engageable by said catches and having plain and magnifying mirrors secured therein in side by side relation, a transverse partition dividing one of said sections into two compartments, a powder screen removably fitted in one of said compartments in spaced relation to the top and bottom of the latter, a pocket member affixed within the other compartment for removable retaining reception of the back member of a package of lipstick tissue, the other section being of such dimensions as to permit the storage of a number of cigarettes therein in side by side relation when disposed transversely of the latter section, and a retaining strap for the cigarettes extending longitudinally and from end to end of the latter section near the hinged edge of said latter section.

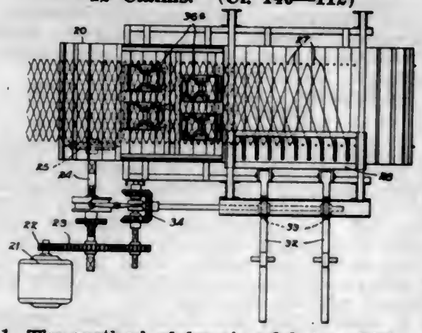
2,191,681
DERRICK CONSTRUCTION
Leslie A. Rawson, Los Angeles, Calif.
Application September 21, 1938, Serial No. 230,977
10 Claims. (Cl. 189—16)

8. In a derrick of the character described, the combination of: corner members extending in upright and spaced relation so as to define a derrick space; sets of connecting members arranged in consecutive order and connecting adjacent corner members together; and means to space at least one of said sets of connecting members out-



wardly from the plane defined by two adjacent corner members, so as to provide a space lying exterior of the derrick and in communication with the interior base of the derrick, to receive the upper end of a pipe standing on a floor at the lower end of the derrick.

2,191,682
METHOD OF MAKING FABRICS
William Edgar Reed, Pittsburgh, Pa.
Application August 1, 1938, Serial No. 222,411
12 Claims. (Cl. 140—112)



1. The method of forming fabric, which comprises laying continuous wires by reciprocatory and progressive movements in approximately a given plane, the wires being bent backwardly at each end of the path of reciprocatory movement, with each lay overlying not substantially less than three-fourths of the preceding lay, and uniting the wires so laid.

2,191,683
SIGNAL MEANS USABLE BY GOLF PLAYERS
Thomas James Roberts, Sydney, New South Wales, Australia
Application September 27, 1935, Serial No. 42,438. Renewed August 9, 1939. In Australia October 5, 1934
5 Claims. (Cl. 273—35)

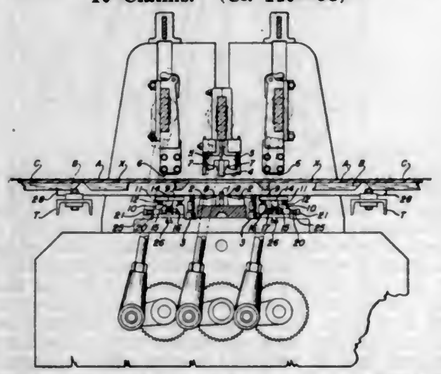
1. Signal device for golf players, comprising a support, means to attach said support to portions of a player's body which are to perform an

exactly prescribed sequence of movements when the player executes a correct swing of the club, and means on said support to produce audible signals, said signal means including a longitudi-



nal casing having an opening therein for the emission of sound, and sonorous end members, and a ball freely movable in said casing so as to cooperate with said sonorous end members at predetermined stages of each correct swing.

2,191,684
MACHINE FOR USE IN MAKING BOXES
Alfred L. Rosenmund, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application October 13, 1938, Serial No. 234,793
10 Claims. (Cl. 140—93)

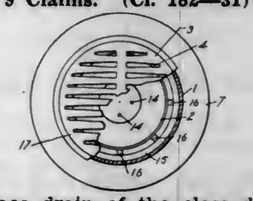


1. In a machine having instrumentalities for forming a bight on a wire secured to a box part and driving the end of the wire through the box part to perpetuate the bight, mechanism for clinching the end of the wire which is driven through the box part comprising a yielding support for the box part having an opening through which the wire end may be driven, a clincher block located beneath the opening in the support and mounted to move at substantially a right angle to the movement of the support, and means to move the clincher block during movement of the support.

2,191,685
PROCESS FOR PRODUCING NITROGENOUS CONDENSATION PRODUCTS OF THE ANTHRONE SERIES
Heinz Scheyer, Frankfort-on-the-Main, and Emil Schwamberger, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 23, 1936, Serial No. 86,772. In Germany June 27, 1935
1 Claim. (Cl. 260—261)

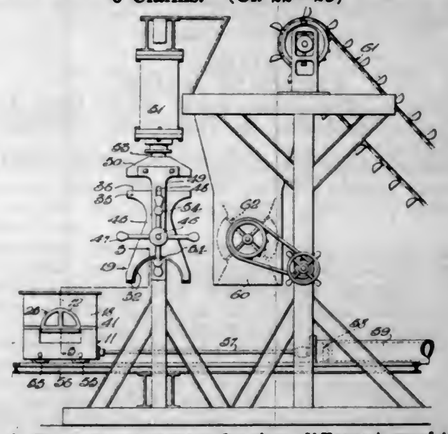
A process of making nitrogenous condensation products of the anthrone series which comprises condensing at a temperature not higher than 60° C. an anthrone derivative selected from the group consisting of anthrapyridones, N-alkylpyrazolanthrones, anthrapyridines, anthrapyrimidines, phthaloyl-benzanthrones, anthanthrones, dibenzoperylene quinones and dibenzopyrene quinones with a member selected from the group consisting of primary mono-amines of the benzene, naphthalene and anthraquinone series, in the presence of an alkaline-acting condensing agent, whereby two hydrogen atoms are split off and whereby a substituent, not standing in that position wherein the condensation with the amine occurs, remains unaltered.

2,191,686
DRAIN
Robert H. Shenk, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 11, 1939, Serial No. 261,391
9 Claims. (Cl. 182—31)



1. A surface drain of the class described, in combination, a member having an inlet and an outlet, a solids retaining member disposed centrally of said first mentioned member having the sides thereof perforated to permit the lateral flow of fluid, a slotted cover for said first mentioned member disposed to provide an annular aperture between the top of the solids retaining member and said cover whereby fluid may pass therethrough to the outlet of said first member when said solids retaining member becomes clogged.

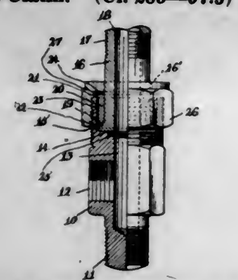
2,191,687
SAND MOLD MAKING
Jacob L. Skates, Bessemer, Ala.
Application December 21, 1938, Serial No. 247,127
6 Claims. (Cl. 22—25)



4. In a press, a ram having different working faces for performing different operations, said ram being provided with trunnions upon which it may be turned to position any of said working faces downwardly for use, a presser head normally spaced above said ram to permit turning of the latter upon said trunnions but mov-

able downwardly onto said ram to depress the latter, means for suspending said ram from said presser head without prohibiting the necessary relative vertical movements of said ram and presser head, said suspending means having portions for preventing lateral movement of said ram with respect to said presser head, and releasable means for holding said ram against turning upon said trunnions during the relative vertical movements of said ram and presser head.

2,191,688
SWIVEL T COUPLING
Philip Frankel Thau, New York, N. Y.
Application December 22, 1937, Serial No. 181,135
1 Claim. (Cl. 285—97.5)



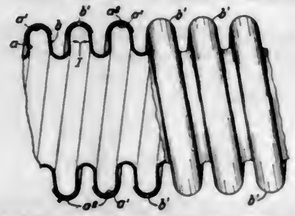
A swivel T for an oil burner door post comprising a main coupling piece having offset communicating bores and a securing lug at the lower end of and along the longitudinal axis of the coupling piece to secure said coupling piece to the door post, a gland chamber in said coupling piece communicating with one of said bores, a tubular fitting on which the coupling piece swivels, the said fitting having a bottom flange in rotatable engagement with the seat of the gland chamber, a gland ring slidable on said tubular fitting and abutting the bottom flange thereof and being adapted to sit within and substantially along the full length of the gland chamber, packing between the outer walls of the gland ring and the inner walls of the gland chamber, and a lock nut engageable with the main coupling piece and being adapted to lock the gland ring in the gland chamber.

2,191,689
FASTENING MEANS
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application September 22, 1937, Serial No. 165,181
1 Claim. (Cl. 85—36)



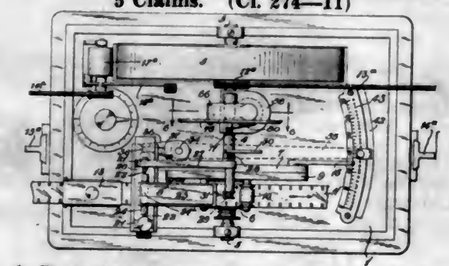
In the art of fastening an object of relatively thin cross-section to a supporting part, said object being provided with a substantially smooth connecting stud integrally molded therewith, said connecting stud being receivable in an opening in the supporting part to project onto the reverse side thereof in the assembled relation of said object and part, means for securing the relatively thin object in such assembled relation comprising a locking plate securing device applied to the projecting portion of said substantially smooth connecting stud at the reverse side of said supporting part, said locking plate having a generally arched base for resiliency and including a pair of cooperating tongues or the like struck and formed therefrom to project out of the plane thereof, said tongues being curved intermediate their lengths in the same general direction as said generally arched base and having their extremities spaced apart a distance less than the cross-section of said connecting stud in normal untensioned relation, said tongue extremities being substantially oppositely disposed and thereby adapted for substantially equal biting relation with said connecting stud, said generally arched base of the locking plate in applied fastening position serving to exert an axial force on said connecting stud through said tongues in substantially equal biting relation therewith, whereby any play or looseness in the connection is taken up by said generally arched base of the locking plate in providing a rigid tightened assembly of said object and part.

2,191,690
FLEXIBLE METAL TUBE
Emil Witzenmann, Pforzheim, Baden, Germany, assignor to O. Meyer-Keller & Co. A. G., Lucerne, Switzerland
Application August 16, 1937, Serial No. 159,411
In Germany June 29, 1936
2 Claims. (Cl. 138—51)



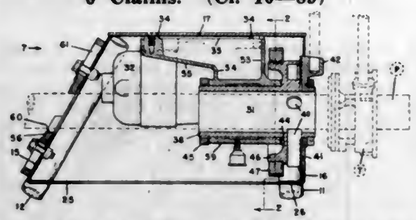
1. A flexible metal composite tube comprising an inner tube formed of a helically wound metal strip of corrugated cross section welded at the helical joint, a conforming outer tube formed of a helically wound, open-jointed and plain edged metal strip with the open joint extending along the helical centre line of the wave crests of said inner tube, the plain joint edges of said outer tube serving as movement limiting means when the composite tube is subjected to bending stresses, and a helically wound strip smoothly overlapping the joint edges of said outer tube.

2,191,691
INDEXING AND WINDING MEANS FOR SOUND RECORDING AND REPRODUCING MACHINES
William L. Woolf, Bayside, N. Y., assignor, by mesne assignments, to Recordgraph Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1937, Serial No. 146,968
5 Claims. (Cl. 274—11)



1. In a sound recording or reproducing machine, means for moving a sound sensitive mechanism transversely to the sound track of a record medium, said means comprising a rotatable worm, a slide provided with cogs adapted to pivotally support said mechanism adjacent one end, said cogs engaging said worm, whereby rotation of the worm causes motion of said mechanism transversely to said sound track, and means also carried by said slide adapted to further transversely position the mechanism with respect to said record medium comprising an arm protruding from the end of said mechanism opposite the pivotally supported end and a rotatable cam having a circumferential groove thereon adapted to cooperate with said arm to raise and lower the adjacent end of said mechanism.

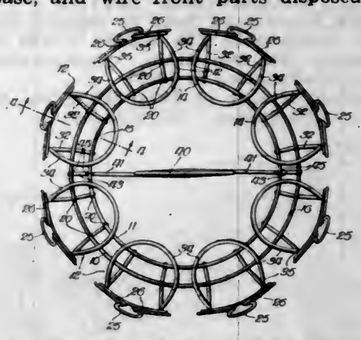
2,191,692
PIPE WORKING TOOL
Arthur S. Gould, Lakewood, William M. Emery, Cleveland Heights, and Ralph E. Hyde, Cleveland, Ohio, assignors to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1939, Serial No. 262,214
6 Claims. (Cl. 10—89)



1. A cutting and threading tool comprising in combination a support, a bracket dependent therefrom, said bracket comprising a relatively shallow cantilever portion and longitudinally spaced downwardly directed webs, a bearing having its front end integral with the forward one of said webs, and its rear end integral with the back one of said webs, a side lug formed on the rear end of said cantilever, and another side lug formed on said first-named web, said lugs constituting a motor support, a rotatable chuck in said bearing and a driving motor for said chuck supported by said lugs, driving connections from said motor to said chuck, means connecting the said bracket to said support at the forward web and at the rear of said cantilever, protective skirts downwardly directed at the sides of said support, edges defining openings in said skirts at front and rear, the front opening providing clearance for chuck clamping mechanism and the rear opening providing entrance for a work piece, and inwardly directed flanges underneath said skirts underlying all exposed moving parts of said driving connections.

2,191,693
TUMBLER RACK
Adolph J. Havlis, Oak Park, Ill., assignor to Keystone Metal Products Co., Chicago., Ill., a corporation of Illinois
Application July 17, 1939, Serial No. 284,930
3 Claims. (Cl. 211—74)

1. A tumbler rack comprising a pair of concentric wire rings forming a base, a plurality of individual wire tumbler holders of generally U-shaped form with the free ends of the legs of the U-shaped holders disposed across said rings and welded thereto, the intermediate portions of said U-shaped holders being formed to upright position substantially normal to said base, the upper ends of said U-shaped holders being generally rounded and formed to position substantially parallel to said base and spaced upwardly above the base, and wire front parts disposed across



the opposite sides of the upright intermediate portions of said holders and welded thereto.

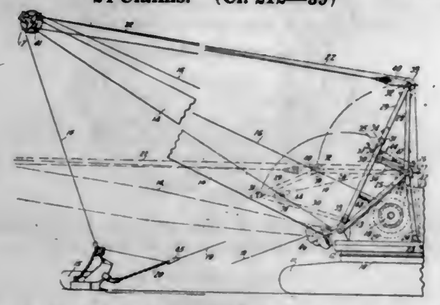
2,191,694
NONLOCKOUT COMBINATION TIME DELAY LOCK
Charles M. Hirn, Cincinnati, Ohio, assignor to The Mosler Lock Company, Covington, Ky., a corporation of Ohio
Application April 27, 1939, Serial No. 270,406
7 Claims. (Cl. 70—274)

1. A delayed opening lock comprising a combination lock including tumbler mechanism, a bolt and a bolt operating gate, a normally wound clockwork, means controlled by the initial direction of operation of the combination lock for selectively initiating running movement of the clockwork, gate baffling means controlled by the clockwork during running movement of the clockwork, and secret means operable by the tumbler mechanism for disabling the gate baffling means when the clockwork is arrested in partially wound condition.

2,191,695
PROCESS OF TREATING FRUIT
Josef J. Holzman, Los Angeles, Calif.
No Drawing. Application May 31, 1939, Serial No. 276,557
5 Claims. (Cl. 99—154)

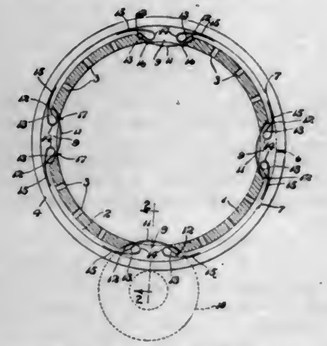
1. In a process of treating papayas for the sterilization of the same from insect infestation in which the sterilization is to be effected at a temperature of approximately 110° F. in an atmosphere of saturated humidity, the steps of preliminarily conditioning the fruit to withstand such treatment, which consists in heating the papayas to approximately the sterilization temperature in an atmosphere of 80% or less relative humidity.

2,191,696
COLLAPSIBLE GANTRY
Benjamin Jacoby and John M. Quigley, Marion, Ohio, assignors to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio (Incorporated in 1927)
Application October 17, 1936, Serial No. 106,151
24 Claims. (Cl. 212—59)



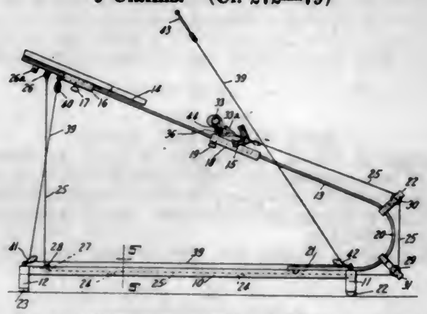
1. In a machine comprising a boom, a cable to support said boom, and means for taking in or paying out said cable to raise or lower said boom, a gantry including a stationary structure and a member mounted on said stationary structure for movement thereon from an elevated position to a lower position, a sheave carried by said movable member, and means for retaining said movable member normally in said elevated position with said sheave in supporting engagement with said cable, said retaining means including a part which is movable while said cable is supported on said sheave to release said movable member for downward movement under the weight of the boom acting thereon through said cable.

2,191,697
SPRING FOR PISTON RINGS
Ellis G. Malpas, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application May 23, 1938, Serial No. 209,493
8 Claims. (Cl. 309—41)



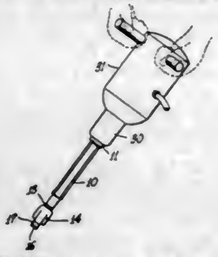
1. In combination with a hollow piston having a piston ring groove therein, said piston at a plurality of spaced apart points therearound having arc-shaped slots cut from the bottom of the groove through to the inner side of the piston, a piston ring in said groove, and a spring expander member seated at each of said slots having an arc-shaped intermediate portion received in the slot and bearing at its end portions against the arc-shaped ends of the slots, and said spring member also comprising a spring extension at each end of said arc-shaped intermediate section against which the inner side of the piston ring bears.

2,191,698
EXERCISING DEVICE
Maurice E. Painter, Brookville, Ohio
Application October 10, 1938, Serial No. 234,115
9 Claims. (Cl. 272—79)



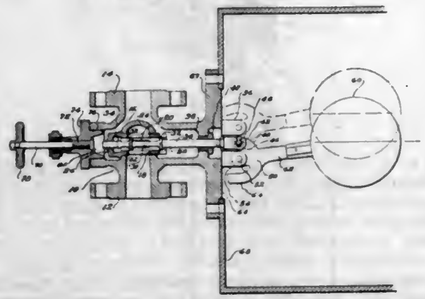
1. In an exercising device, a base, a resilient bar mounted on the forward portion of said base and extending upwardly and rearwardly therefrom, a seat secured to said bar near the free end thereof, a foot rest secured to said bar in front of said seat, guides near the respective ends of said base, a flexible member connected with said resilient bar adjacent to said seat, extending downwardly therefrom and about said guides, and then upwardly and rearwardly, and actuating means connected with the upper end of said flexible member to enable a person on said seat to exert a pull on said flexible member.

2,191,699
ROCK DRILL
Henry M. Stephens, Montgomery, W. Va.
Application January 16, 1939, Serial No. 251,172
1 Claim. (Cl. 255—64)



A rock drill bit consisting of a body member of substantially cylindrical shape and provided with means at one axial end thereof adapted for attachment to a shank member, the opposite axial end of the body member being provided with teeth lying along a line extending diametrically across said end, said other end of the body member having portions flanking said teeth and sloping outwardly away therefrom, means providing egress for scavenging air in the region of the juncture of said teeth with said outwardly sloping portion of the body member, and the latter being further provided with means for conducting air from said shank member through said air passage means for the scavenging air, said other and outwardly sloping end portions of the body member being notched at their juncture with the cylindrical side wall portions of said member to provide escape for scavenging air cooperably with the outwardly sloping portions of said other axial end to provide for escape of scavenging air when said teeth are substantially imbedded to the depth of their juncture with said other axial end of the body member.

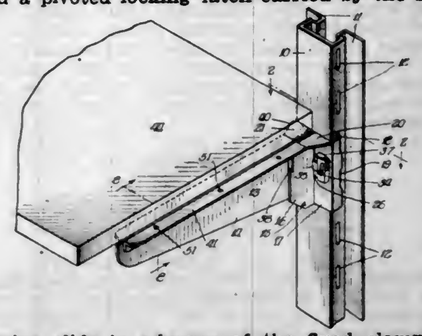
2,191,700
LIQUID LEVEL CONTROLLER
George W. Stetson, Hingham, Mass.
Application April 19, 1938, Serial No. 202,865
2 Claims. (Cl. 137—104)



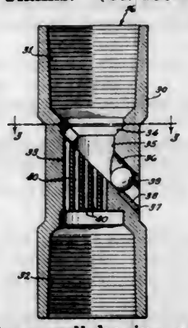
1. An assembly for controlling the liquid level in a liquid container comprising a valve casing having a chamber formed therein provided with inlet and outlet ports, a piston movable within said chamber and cooperating with said inlet and outlet ports to prevent flow upon movement of said piston in one direction and to permit flow upon movement of said piston in the opposite direction, an operating stem projecting from said piston outwardly through the wall of said valve casing, fixed fulcrum supports on said wall of the casing at equal distances above and below said projecting stem, a bell crank lever adapted to be pivoted alternatively to either of said fixed fulcrum supports with one arm of said bell crank lever in position and adapted to be operatively connected to said projecting stem, a second arm of said bell crank lever extending outwardly from the lever carrying fulcrum support into a liquid container and supporting a float at its outer end, the movement of said piston to permit flow being thereby responsive to either the rise or fall of said float depending upon which of said fixed fulcrum supports is used, and a third arm of said bell crank lever projecting inwardly toward said wall of the casing and spaced beyond the lever carrying fulcrum support from said valve stem and designed to limit the movement of said bell crank lever by abutment with said wall of the casing.

2,191,701
DISPLAY APPARATUS
Fred C. Wood, Winnetka, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application May 10, 1938, Serial No. 207,112
6 Claims. (Cl. 248—245)

1. In display apparatus of the type described, the combination with a supporting element having a plurality of openings in its opposite sides, of a supporting bracket mounted on said supporting element and projecting outwardly therefrom, a fixed clamping jaw connected to said supporting bracket at one of its sides, a movable clamping jaw associated with said supporting bracket at its opposite side, said fixed and movable clamping jaws provided with means for engaging the openings in the opposite sides of said supporting element to connect the supporting bracket to the latter, a sustaining slide fixedly connected to the movable clamping jaw and passing freely through the fixed clamping jaw, and a pivoted locking latch carried by the sustaining slide in advance of the fixed clamping jaw and engageable with the fixed clamping jaw in the closed position of the movable jaw thereon, whereby to maintain the supporting bracket in locked relation to the supporting element.



2,191,702
BYPASS FITTING
Olney P. Yowell, Whittier, Calif., assignor to O. P. Yowell Service Company, a corporation of California
Application October 15, 1938, Serial No. 235,210
5 Claims. (Cl. 166—1)

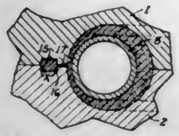


1. For use in a well having a casing therein, an open string of pipe and a packer on said pipe engaging said casing; bypass means at a point above the packer in said pipe, said bypass means having a passageway from the interior of said string of pipe to the exterior thereof; and closure means for said passageway, dropable through said pipe.

2,191,703
METHOD AND MEANS FOR ELIMINATING THE WELD LINE DURING THERMOPLASTIC MOLDING
Dwight M. Anderson, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Port Clinton, Ohio, a corporation of Ohio
Application March 24, 1937, Serial No. 132,849
7 Claims. (Cl. 18—42)

1. A mold for forming an article of thermoplastic material comprising separable mold sections having engageable parting surfaces, cooperable recesses in said sections defining a cavity when the mold sections are closed, a gate formed in the parting surfaces and leading to the cavity, means for positioning an insert in the cavity

and holding it in spaced relation from the cavity walls so that the space between the insert and cavity walls is relatively large adjacent a portion of the parting surface and adjacent the gate, and merges into a relatively small space adjacent another portion of the parting surface, restricted passages between the mold sections leading from the cavity adjacent the said relatively small space, and accumulating pockets between the mold sections connected to the restricted passages.



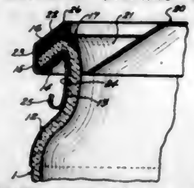
6. The method of eliminating the weld line in the molding of thermoplastic material wherein the material in heated and plastic condition is injected into a mold cavity and flows in separate streams which subsequently meet and unite to form an initial weld line at their juncture, comprising, providing a mold with a cavity which is progressively and gradually restricted from one portion of the cavity to another portion, injecting the material at said one portion of the cavity and causing it to flow in separate streams from said one portion to said other portion and to tend to meet and unite at a predetermined zone in said other portion, and, while maintaining the cavity of constant size and filled with the material and continuously under pressure, discharging a portion of the material, including portions of the initially meeting material forming the weld line, at the zone of tendency of union of said streams.

2,191,704
TRANSFER ADHESIVE PROCESS AND PRODUCT
Arthur Bennett, San Francisco, Calif.
Application March 26, 1935, Serial No. 13,037
11 Claims. (Cl. 91—68)



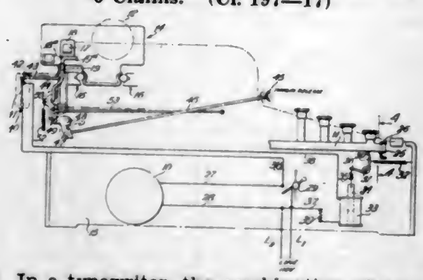
1. The method of applying a normally ever-tacky layer of gum to the surface of an article such as an advertising print, sign or poster which comprises depositing a layer of normally ever-tacky gum compound in fluid condition on a flexible carrier sheet of a size to project beyond said layer and of a surface nature of low attraction therefor so as to adapt the ever-tacky gum layer to be subsequently released bodily from said carrier sheet when the layer is set to ever-tacky condition, then before the ever-tacky compound layer has set placing the wet face of the compound layer against the desired article, permitting the compound layer to set, and thereafter while the compound layer is still in its ever-tacky condition peeling the flexible carrier sheet from said compound layer without the use of a solvent and leaving the compound layer bodily transferred to said article and with the rear surface of the compound layer exposed in ever-tacky condition ready for sticking by pressure alone against a show window or other final supporting surface.

2,191,705
CONTAINER
Alfred J. Chamberlain, Lafayette, La.
Application August 17, 1936, Serial No. 96,351
3 Claims. (Cl. 229—5.5)



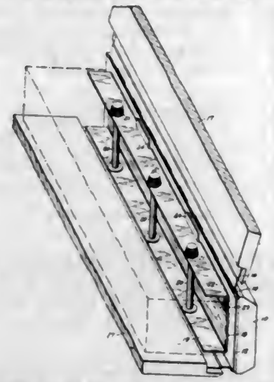
1. A container comprising a body portion of fibrous material, a reinforcing metal sleeve structure surrounding the upper end of said body portion and having formations interlocked therewith, said interlocking formations including spaced downwardly and outwardly inclined flanges, one providing a gasket seat and the other a locking shoulder, a gasket on said seat, a metallic closure for the upper open end of the container having a downwardly and outwardly inclined flange engageable with said gasket, and means cooperating with said closure flange and said shoulder for securing the closure in position and compressing the gasket between said flanges.

2,191,706
TYPEWRITER KEY LOCKING ATTACHMENT
Martha F. Cooke, Chicago, Ill.
Application August 14, 1939, Serial No. 290,120
6 Claims. (Cl. 197—17)



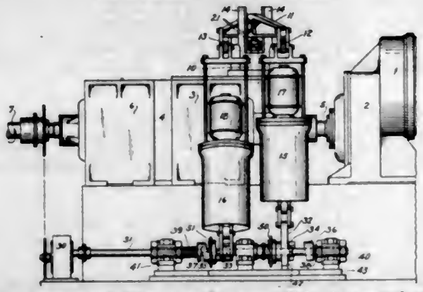
1. In a typewriter, the combination of a power-driven actuating mechanism including an electric motor, a plurality of key-levers for controlling said mechanism, a releasable locking mechanism movable into and out of locking position for locking said key-levers against movement when in locked position, means normally urging said locking mechanism into locking position, means including an energizable electromagnet for releasing said locking mechanism in response to energization of the electromagnet, a carriage, mechanical stop means for arresting said carriage in a predetermined limit position, means including a switch for deenergizing said electromagnet to permit said locking mechanism to lock said key-levers, means for actuating said switch in response to engagement of said stop means, and means for energizing said motor and said electromagnet in parallel from a common electric circuit, whereby a power failure resulting in deenergization of said motor will also deenergize said electromagnet to permit said locking mechanism to lock said key-levers.

2,191,707
LOOSE-LEAF BINDER
James Cooper, Solvay, and Gerhard H. J. Baule, Syracuse, N. Y., assignors to Hall & McChesney, Inc., Syracuse, N. Y., a corporation of New York
Application July 12, 1938, Serial No. 218,864
1 Claim. (Cl. 129—23)



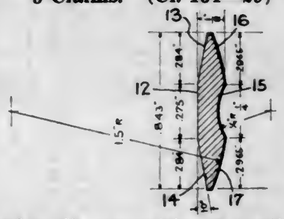
A loose-leaf binder comprising a back member, a cover hinged to each side edge of the back member, an angle plate extending lengthwise of the back member and being formed with a flange extending in right angle relationship along one edge of said plate, a plurality of leaf impaling posts rigidly secured to said flange, a second angle plate provided with apertures to receive the opposite ends of the posts and having a flange overlapping said first plate, said plates having interlocking means to prevent relative endwise movement between the plates, and said first plate being formed with a plurality of apertures, said back member being provided with a plurality of lugs extending through the apertures in said first plate and being operable to interlock the first plate to the back member upon relative endwise movement between said plate and the back member, and cam means carried by the back member at one end thereof and operable to urge said first plate toward said lugs and maintain the same in engagement therewith.

2,191,708
BRIDGE OPERATING MECHANISM
John A. Dunford, Seattle, Wash.
Application December 18, 1936, Serial No. 116,581
12 Claims. (Cl. 74—479)



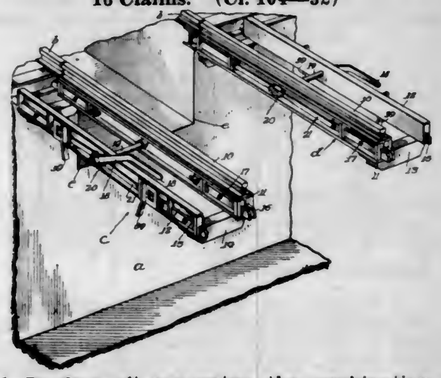
1. In a variable speed reversible transmission, having: a progressive speed control link with a neutral position, a forward position, and a reverse position, the combination of: a floating link fastened at its mid-portion to said control link; a first expansible link and a link having a fixed pivot point, connected to one end of said floating link so that extension of said expansible link will move said control link into forward position away from said neutral position; a second expansible link and a link having a fixed pivot point, connected to the other end of said floating link so that extension of said expansible link will move said control link in the reverse direction; stop means limiting the contraction of said expansible links and defining the neutral position of said control link; and stop means limiting the extension of said expansible links and defining the limits of progression of said control link from its neutral position.

2,191,709
DIE
Francis J. Dedrick, Red Lion, Pa.
Application April 22, 1939, Serial No. 269,366
5 Claims. (Cl. 164—29)



5. A clicker die comprising a continuous integral wall, thinner in its middle and presenting inwardly an intermediate substantially vertically disposed peripheral plane surface and upper and lower peripheral plane surfaces angularly disposed with respect to said intermediate surface and inclined outwardly therefrom, and presenting outwardly an intermediate convexed unbroken peripheral surface and upper and lower concaved peripheral surfaces extending from said convexed surface and joined at their upper and lower edges by the edges of said inner inclined plane surfaces, respectively.

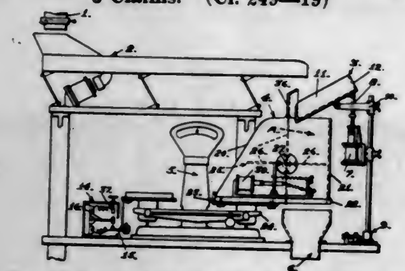
2,191,710
DROP PIT APPARATUS
Frank Fones, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application December 8, 1938, Serial No. 244,577
16 Claims. (Cl. 104—32)



1. In drop-pit apparatus, the combination of a truck adapted to travel in a pit, a vertically movable lifting carriage comprising end-members at the top of the carriage and for engaging drop-table sections, and a drop-center member, connecting, and below, the end-members, which

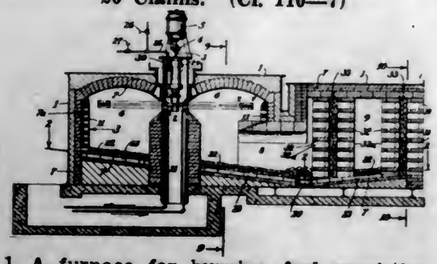
provides a work-space extending transversely across the carriage and between the end-members thereof, mechanism, supported on the truck, for raising and lowering the carriage to shift the drop-table sections.

2,191,711
WEIGHING APPARATUS
Edmond Godat, Los Angeles, Calif.
Application December 15, 1936, Serial No. 115,963
3 Claims. (Cl. 249—19)



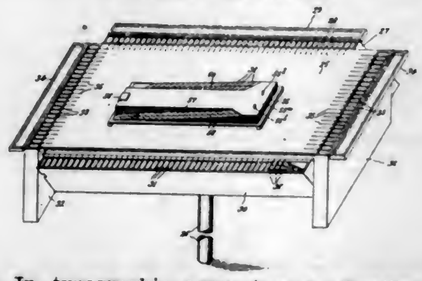
1. In weighing apparatus, a scale, a weighing container supported thereby, a feed chute adjustable for varying the rate of flow of loose material into said container, a support on which said chute is normally gravitationally disposed in a position for effecting a gravitational flow of material into said container, means controlled by said scale and operating automatically when the material in said container attains a predetermined weight, for adjusting said chute and holding it in a postion for reducing but not stopping the flow of additional material into said container and also operating automatically for releasing the chute for gravitational movement into normal position when the material is discharged from said container and means also controlled by said scale and operating automatically responsive to the additional material in said container reaching a predetermined weight for effecting the discharge of the material from said container.

2,191,712
FURNACE FOR BURNING FUEL CONSISTING OF COMBUSTIBLE AND INCOMBUSTIBLE MATERIALS
John E. Greenawalt, Bronxville, N. Y.
Application February 26, 1938, Serial No. 192,680
20 Claims. (Cl. 110—7)



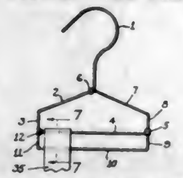
1. A furnace for burning fuel consisting of combustible and incombustible materials, comprising a combustion chamber formed of an enclosing closed furnace wall for the combustion of the combustible materials of the fuel producing products of combustion in turbulent movement and for the liquefying of incombustible materials of the fuel, a reticulated wall spaced inwardly from the furnace wall for having impinged thereon the incombustible materials of the fuel in liquid state, said reticulated spaced wall permitting the passage of the liquid incombustible materials therethrough, and forming with the furnace wall a space separated by the reticulated wall from the turbulence of the contents in the combustion chamber enabling the quiescence in the space to separate said liquid incombustible materials from attendant gaseous carriers, a burner within said combustion chamber disposed in respect to said reticulated wall, so that the combustible materials are converted to said products of combustion before said materials reach the said wall, and so that the liquid incombustible products are impinged upon said reticulated wall, and a flue for the products of combustion, forming the only opening in the otherwise closed wall of the combustion chamber.

2,191,713
TYPOGRAPHIC APPARATUS
Louis Grudin, New York, N. Y.
Application June 23, 1938, Serial No. 215,318
12 Claims. (Cl. 35—1)



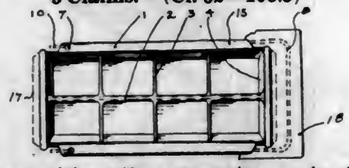
1. In typographic apparatus, a plurality of type sheets, each having a type character thereon repeated in different typographic styles, a composing holder for receiving a plurality of the sheets in alined composition form, a supporting table for the composing holder, and a type magazine for the type sheets provided with rows of downwardly extending pockets arranged in groups to support a plurality of the type sheets separated and grouped according to the characters on the sheets, said pockets being open at their upper ends for exposing the upper ends of the type sheets to facilitate grasping thereof for withdrawal from the pockets and positioning and alining of the type sheets in the composing holder.

2,191,714
GARMENT HANGER
Robert Gustin, Boston, Mass.
Application October 21, 1937, Serial No. 170,170
5 Claims. (Cl. 211—119)



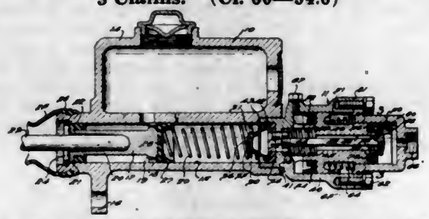
1. A garment hanger comprising, in combination, a horizontal suspension member, a hook rigidly secured to the horizontal suspension member, and a horizontal displacing member rigidly secured to the horizontal suspension member and disposed parallel to, and at a sensible distance from, the horizontal suspension member, the horizontal suspension member and the horizontal displacing member lying in a plane disposed to the plane wherein lie the horizontal suspension member and the hook at an angle substantially equal to 135°.

2,191,715
REFRIGERATION APPARATUS
Delos P. Heath, Hillsdale, Mich.
Application July 10, 1937, Serial No. 152,891
5 Claims. (Cl. 62—108.5)



1. In a refrigerating apparatus, an ice freezing tray comprising a flat metallic bottom, extending upwardly at opposite sides to form side walls, a rubber ice cube forming element adapted to seal against said bottom and side walls, said rubber element having end wall portions adapted to seal over the opposite ends of said metallic bottom and side walls to form removable end walls for said ice tray.

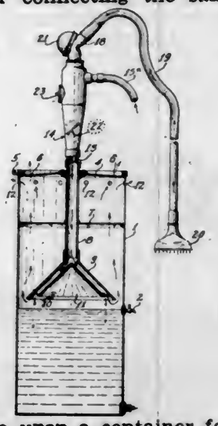
2,191,716
BRAKING MECHANISM
George H. Hunt, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application November 9, 1936, Serial No. 109,876
3 Claims. (Cl. 60—54.6)



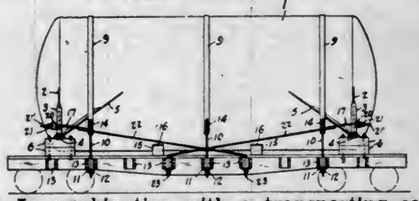
1. In a system of hydraulic braking, a pair of body members removably joined together and in communication with each other, a pair of chambers one formed in each member, a pair of pistons one operable in each chamber, one of said pistons having opposite working faces of unequal cross-sections and an axial bore extending therebetween, and a valve supported in said bore and having a stem extending beyond said larger face and a head extending beyond said smaller face, said stem forming a guide for said valve, and said smaller face of said piston forming a seat for said head.

2,191,717
VACUUM CLEANER
Harry A. Jeffery, Cleveland Heights, Ohio
Application February 11, 1937, Serial No. 125,225
1 Claim. (Cl. 230—95)

In a device of the class described, a single form of attachment having an inlet connection for entrance of a fluid under pressure, said inlet continuing in the form of a tube having an injector nozzle within the attachment, said attachment having formed therein an intake connection through which dirt-ladened air may be drawn at a point substantially to the rear of the nozzle, said attachment having a restricted discharge opening through which the dirt-ladened air may be expelled in a direct manner by the force of the fluid pressure from the nozzle, and means provided upon the lower end of the attachment for connecting the same in an upright position upon a container for discharging the dirt-ladened air thereinto.

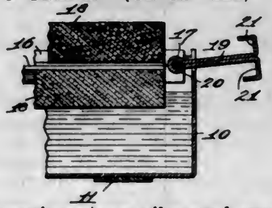


2,191,718
TRANSPORTING TANK
William R. Kepler, Wauwatosa, and Eric H. Nilson, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application December 10, 1937, Serial No. 179,051
2 Claims. (Cl. 105—362)



1. In combination with a transporting car a large cylindrical tank having a pair of braced lateral supporting fins immovably secured thereto at each head, longitudinally extending blocks on the platform of the car for supporting said fins, means passing over the top of the tank for securing the same down on said blocks, means on the fins for engaging the blocks to prevent relative lateral movement between the tank and the car, a pair of longitudinally extending tie rods on each side of the tank each rod having one end secured to the car and the other end resiliently engaging a supporting fin to permit limited relative longitudinal movement between the tank and car.

2,191,719
SHARPENING STONE OILER AND SUPPORT
William A. Kuhlman, Los Angeles, Calif.
Application November 12, 1938, Serial No. 240,054
9 Claims. (Cl. 51—213)



1. A sharpening stone oiler and support com-

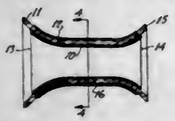
prising a container, a frame, a sharpening stone carried by said frame and combined handles and hangers hinged on horizontal axes to the ends of said frame and adapted to engage and suspend the frame and the stone carried thereby from the ends of the container.

2,191,720
FENDER TOOL
Carl William Meinhardt, Fargo, N. Dak.
Application May 5, 1938, Serial No. 206,260
1 Claim. (Cl. 81—15)



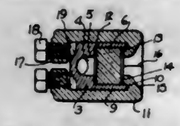
A tool of the class described comprising a base engageable with the work, said base including a metallic plate, a cushion on one side of said plate, a substantially U-shaped bracket rotatably mounted on the other side of the plate, a ring pivotally mounted in the bracket and including trunnions journalled in said bracket, a hand lever slidably mounted in the ring, a loop slidably mounted on said hand lever, and a hook swivelly mounted on said loop, said hook being engageable with the work for operatively connecting the lever thereto.

2,191,721
FINGERNAIL BRUSH
Max R. Milarch, Portland, Oreg.
Application October 4, 1938, Serial No. 233,285
1 Claim. (Cl. 15—167)



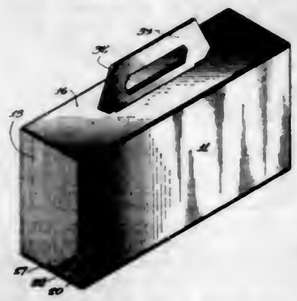
A fingernail brush consisting of a pair of telescopic metal shells of substantially uniform length concentrically spaced from each other and having a circular row of bristles occupying the annular space between said shells, one end of said shells being flared outwardly in a manner to cause said bristles to flare outwardly.

2,191,722
SPLIT CLAMP WATER GAUGE
Ollie L. Mulloy and Robert D. Martin, Shreveport, La., assignors to Alva Guy Blanchard, Shreveport, La.
Application May 28, 1938, Serial No. 210,578
8 Claims. (Cl. 73—330)



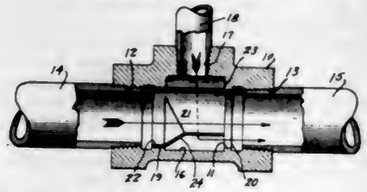
1. A gauge of the character described including a body having a fluid channel, a gauge glass closing the forward side of said channel, sealing means between said glass and the face of said channel, a housing made up of two or more independent clamping members adapted to fit about and enclose opposite sides of said body and said glass, and means on each clamping member to engage and force said glass and body together into sealing engagement.

2,191,723
BOX
Ersel C. Mulnix, Chicago, Ill.
Original application December 12, 1936, Serial No. 115,551. Divided and this application April 1, 1938, Serial No. 199,416
2 Claims. (Cl. 229—31)



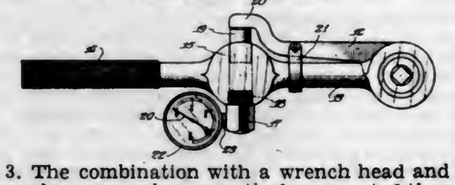
1. A box comprising an outer and inner box member swingingly connected to each other by a common wall to fold to cause said outer member to fit over said inner member, the side walls of said members being provided with triangular flaps connected with opposite sides of a triangular flap on the corresponding end of said common wall to fold inwardly the connecting flaps on the outer side walls terminating below the tops of said outer side walls and the inner corners of the side walls of the outer member being formed into locking tongues, there being slits in the inner portions of the side walls of said inner member to receive said tongues, and the inner edges of the side walls of said inner member being arranged to engage within and rub against the folds between the inner edges of the side walls of the outer member and the corresponding connecting flaps to draw and hold said parts in place.

2,191,724
PIPE FITTING
Courtland G. Newton, Chicago, Ill., assignor to Horace S. Kehm
Application September 20, 1937, Serial No. 164,662
2 Claims. (Cl. 138—37)



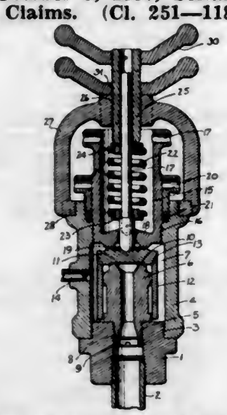
1. A pipe fitting comprising a hollow body structure defining opposed main openings and an intermediately disposed branch opening, said body at said openings being arranged for pipe connections, an annular shoulder in the body in axial alignment with one of the main openings and inwardly spaced from the body portion at said one main opening, a separate tubular insert having one of its ends initially rotatably supported by said shoulder, said end being expansible into pressure engagement with said shoulder for frictionally maintaining the insert against rotational movement, and a contracted portion formed in the insert at its opposite end, said contracted portion extending toward the other main opening and being disposed in eccentric relation to its axis.

2,191,725
TORQUE MEASURING WRENCH
Ben Pepperdine, Chicago, Ill.
Application June 23, 1937, Serial No. 149,897
4 Claims. (Cl. 265—1)



3. The combination with a wrench head and a wrench arm member operatively connected therewith, of a handle lever member pivotally connected with said head in operative relation with said arm member, there being a transverse bore in one of said members; a sealed fluid filled chamber threaded in said bore in operative contact with the other of said members; and a pressure gauge in operative communication with said chamber.

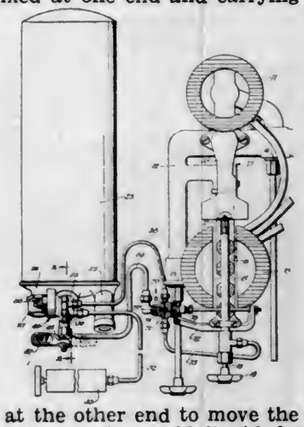
2,191,726
PRESSURE CONTROL VALVE
Theodore R. Peters and Ollie L. Mulloy, Shreveport, La., assignors to Alva G. Blanchard, Shreveport, La.
Application October 9, 1937, Serial No. 168,157
6 Claims. (Cl. 251—118)



5. In a pressure control valve, a housing, a stationary seat therein, an adjustable seat opposite said stationary seat, a movable valve plate between said seats, a spring yieldingly urging said movable valve plate toward said stationary seat through said adjustable seat, an adjustment for varying the tension on said spring independent of the movement of the adjustable seat.

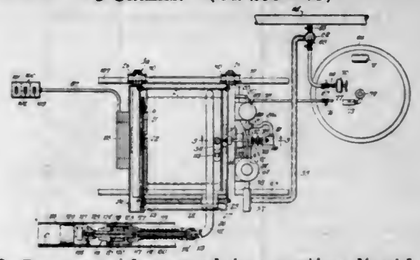
2,191,727
FUEL SUPPLY MECHANISM FOR GASOLINE STOVES
George E. Pickup, Newark, Ohio, assignor to Newark Stove Company, a corporation of Ohio
Application November 27, 1936, Serial No. 113,028
2 Claims. (Cl. 158—81)

1. In combination in a fuel delivery system for a stove including a generator and a burner, a fuel tank, starting and running fuel conduits leading from said tank to said generator, valve means mounted on said tank for controlling fuel flow through said conduits, a valve casing supported at a substantial distance laterally from said burner and generator so as to remain unheated and having a liquid fuel passage therein communicating with the running fuel conduit, a valve member within said casing for controlling said passage, a delivery duct communicating at its inlet end with said passage and at its outlet end with said generator, a rod of thermo-responsive material lying between said generator and burner fixed at one end and carrying the valve



member at the other end to move the same axially to open or close said liquid fuel passage upon expansion or contraction respectively of the rod, and a starting fuel passage within said casing by-passing said valve and communicating at one end with said starting fuel conduit and at the other end with the inlet end of said delivery duct.

2,191,728
FLUID SUPPLY HOSE AND REEL MEANS
Thomas E. Purcell, Mount Lebanon, and Ira E. Church, Bethel Township, Allegheny County, Pa.
Original application September 17, 1935, Serial No. 45,250. Divided and this application February 14, 1938, Serial No. 190,470
3 Claims. (Cl. 299—78)



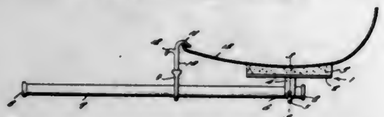
2. In means for supplying coating liquid and operating pressure fluid to a device for coating tubes with liquid, a reel, means for driving said reel at constant speed, a hose structure windable onto and off of said reel comprising an outer flexible hose and an inner flexible hose, means for supplying fluid under pressure to said outer hose, means for supplying liquid under pressure to said inner hose, and remote control means for controlling rotation of said reel and supply of fluid and liquid to the respective hose.

2,191,729
PHONOGRAPH STRUCTURE
Henry T. Roberts, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application March 21, 1938, Serial No. 197,075
1 Claim. (Cl. 312—8)

In a phonograph structure, a cabinet, a record

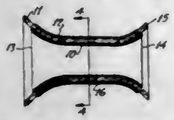
prising a container, a frame, a sharpening stone carried by said frame and combined handles and hangers hinged on horizontal axes to the ends of said frame and adapted to engage and suspend the frame and the stone carried thereby from the ends of the container.

2,191,720
FENDER TOOL
Carl William Meinhardt, Fargo, N. Dak.
Application May 5, 1938, Serial No. 206,260
1 Claim. (Cl. 81—15)



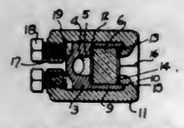
A tool of the class described comprising a base engageable with the work, said base including a metallic plate, a cushion on one side of said plate, a substantially U-shaped bracket rotatably mounted on the other side of the plate, a ring pivotally mounted in the bracket and including trunnions journalled in said bracket, a hand lever slidably mounted in the ring, a loop slidably mounted on said hand lever, and a hook swivelly mounted on said loop, said hook being engageable with the work for operatively connecting the lever thereto.

2,191,721
FINGERNAIL BRUSH
Max R. Milarch, Portland, Oreg.
Application October 4, 1938, Serial No. 233,285
1 Claim. (Cl. 15—167)



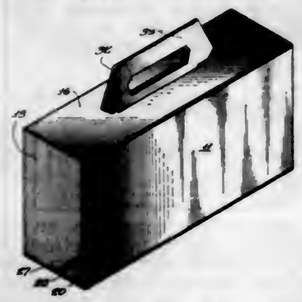
A fingernail brush consisting of a pair of telescopic metal shells of substantially uniform length concentrically spaced from each other and having a circular row of bristles occupying the annular space between said shells, one end of said shells being flared outwardly in a manner to cause said bristles to flare outwardly.

2,191,722
SPLIT CLAMP WATER GAUGE
Ollie L. Mulloy and Robert D. Martin, Shreveport, La., assignors to Alva Guy Blanchard, Shreveport, La.
Application May 28, 1938, Serial No. 210,578
8 Claims. (Cl. 73—330)



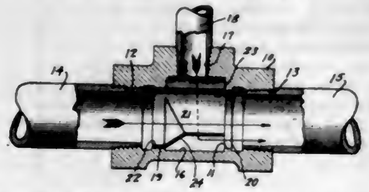
1. A gauge of the character described including a body having a fluid channel, a gauge glass closing the forward side of said channel, sealing means between said glass and the face of said channel, a housing made up of two or more independent clamping members adapted to fit about and enclose opposite sides of said body and said glass, and means on each clamping member to engage and force said glass and body together into sealing engagement.

2,191,723
BOX
Ersel C. Mulnix, Chicago, Ill.
Original application December 12, 1936, Serial No. 115,551. Divided and this application April 1, 1938, Serial No. 199,416
2 Claims. (Cl. 229—31)



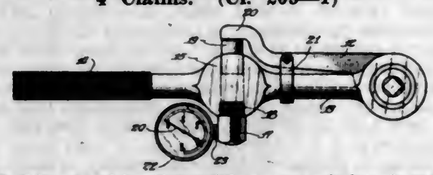
1. A box comprising an outer and inner box member swingingly connected to each other by a common wall to fold to cause said outer member to fit over said inner member, the side walls of said members being provided with triangular flaps connected with opposite sides of a triangular flap on the corresponding end of said common wall to fold inwardly the connecting flaps on the outer side walls terminating below the tops of said outer side walls and the inner corners of the side walls of the outer member being formed into locking tongues, there being slits in the inner portions of the side walls of said inner member to receive said tongues, and the inner edges of the side walls of said inner member being arranged to engage within and rub against the folds between the inner edges of the side walls of the outer member and the corresponding connecting flaps to draw and hold said parts in place.

2,191,724
PIPE FITTING
Courtland G. Newton, Chicago, Ill., assignor to Horace S. Kehm
Application September 20, 1937, Serial No. 164,662
2 Claims. (Cl. 138—37)



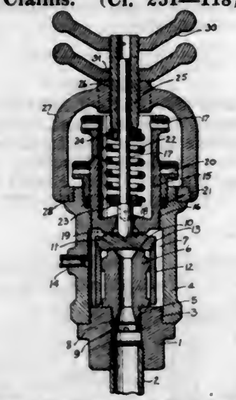
1. A pipe fitting comprising a hollow body structure defining opposed main openings and an intermediately disposed branch opening, said body at said openings being arranged for pipe connections, an annular shoulder in the body in axial alignment with one of the main openings and inwardly spaced from the body portion at said one main opening, a separate tubular insert having one of its ends initially rotatably supported by said shoulder, said end being expansible into pressure engagement with said shoulder for frictionally maintaining the insert against rotational movement, and a contracted portion formed in the insert at its opposite end, said contracted portion extending toward the other main opening and being disposed in eccentric relation to its axis.

2,191,725
TORQUE MEASURING WRENCH
Ben Pepperdine, Chicago, Ill.
Application June 23, 1937, Serial No. 149,897
4 Claims. (Cl. 265—1)



3. The combination with a wrench head and a wrench arm member operatively connected therewith, of a handle lever member pivotally connected with said head in operative relation with said arm member, there being a transverse bore in one of said members; a sealed fluid filled chamber threaded in said bore in operative contact with the other of said members; and a pressure gauge in operative communication with said chamber.

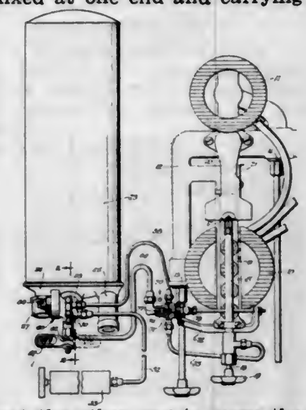
2,191,726
PRESSURE CONTROL VALVE
Theodore R. Peters and Ollie L. Mulloy, Shreveport, La., assignors to Alva G. Blanchard, Shreveport, La.
Application October 9, 1937, Serial No. 168,157
6 Claims. (Cl. 251—118)



5. In a pressure control valve, a housing, a stationary seat therein, an adjustable seat opposite said stationary seat, a movable valve plate between said seats, a spring yieldingly urging said movable valve plate toward said stationary seat through said adjustable seat, an adjustment for varying the tension on said spring independent of the movement of the adjustable seat.

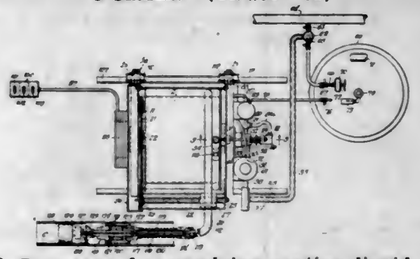
2,191,727
FUEL SUPPLY MECHANISM FOR GASOLINE STOVES
George E. Pickup, Newark, Ohio, assignor to Newark Stove Company, a corporation of Ohio
Application November 27, 1936, Serial No. 113,028
2 Claims. (Cl. 158—81)

1. In combination in a fuel delivery system for a stove including a generator and a burner, a fuel tank, starting and running fuel conduits leading from said tank to said generator, valve means mounted on said tank for controlling fuel flow through said conduits, a valve casing supported at a substantial distance laterally from said burner and generator so as to remain unheated and having a liquid fuel passage therein communicating with the running fuel conduit, a valve member within said casing for controlling said passage, a delivery duct communicating at its inlet end with said passage and at its outlet end with said generator, a rod of thermo-responsive material lying between said generator and burner fixed at one end and carrying the valve



member at the other end to move the same axially to open or close said liquid fuel passage upon expansion or contraction respectively of the rod, and a starting fuel passage within said casing by-passing said valve and communicating at one end with said starting fuel conduit and at the other end with the inlet end of said delivery duct.

2,191,728
FLUID SUPPLY HOSE AND REEL MEANS
Thomas E. Purcell, Mount Lebanon, and Ira E. Church, Bethel Township, Allegheny County, Pa.
Original application September 17, 1935, Serial No. 45,250. Divided and this application February 14, 1938, Serial No. 190,470
3 Claims. (Cl. 299—78)

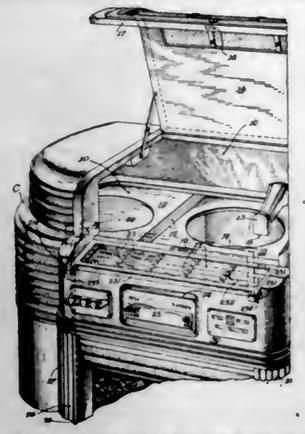


2. In means for supplying coating liquid and operating pressure fluid to a device for coating tubes with liquid, a reel, means for driving said reel at constant speed, a hose structure windable onto and off of said reel comprising an outer flexible hose and an inner flexible hose, means for supplying fluid under pressure to said outer hose, means for supplying liquid under pressure to said inner hose, and remote control means for controlling rotation of said reel and supply of fluid and liquid to the respective hose.

2,191,729
PHONOGRAPH STRUCTURE
Henry T. Roberts, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application March 21, 1938, Serial No. 197,075
1 Claim. (Cl. 312—8)

In a phonograph structure, a cabinet, a record

changing compartment therein extending to the top thereof, a shelf in front of said record changing compartment and extending in the horizontal direction along the compartment, means in said shelf to receive indicia elements for the different records in said cabinet, a transparent cover element for said indicia elements, said cover



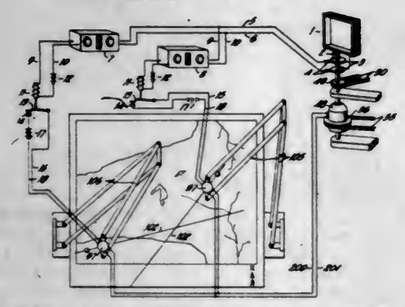
element being hinged to said cabinet and a cover for said record changing compartment terminating on the back edge of said transparent cover element when the cover element and cover are in closed position whereby when said cover is in said position said hinged cover element is retained thereby against being swung to uncovering position relative to said indicia elements.

2,191,730

POSITION INDICATING DEVICE FOR A MOVABLE BODY

Hjalmar E. Sjöstrand, Ravala, Grangesberg, Sweden

Application March 25, 1937, Serial No. 133,090
In Great Britain March 9, 1936
2 Claims. (Cl. 250—11)



1. In a device of the character described for use on a movable body, rotatable means for receiving electromagnetic waves transmitted from distant stations, a chart, pivotally mounted indicator means for indicating on said chart the direction from said body to a station, rotatably mounted electrical means controlled by said receiving means for rotatably positioning said indicator means, a pair of electrical means electrically connected together and operatively connected one with said indicator-positioning means and the other with said receiving means for maintaining them in predetermined angular relationship, said pair of electrical means including respectively a stator and rotor, means for movably supporting said indicator-positioning means and the electrical means operatively connected therewith over said chart but preventing angular movement of the stator of said electrical means relative to said chart whereby to permit said indicator means to be positioned to pivot over desired points on said chart while preserving said predetermined angular relationship between said indicator-positioning means and said receiving means, and means operatively connected with one of said pair of electrical means and operable in response to a turning movement of said body for effecting a change in the relationship of said indicator-positioning means and receiving means whereby to compensate for the effect of a turning movement of said body on said indicating means.

2,191,731

STENCIL SHEET

Walter O. Snelling, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.

No Drawing. Application July 2, 1938, Serial No. 217,308
3 Claims. (Cl. 41—38.6)

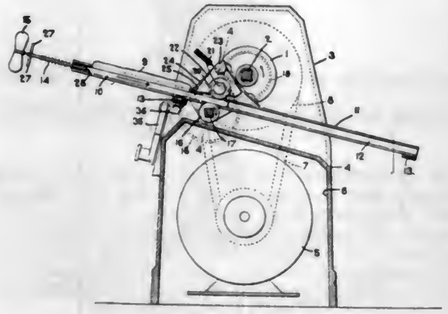
1. A stencil sheet, adapted to be converted into a stencil by the impact of type and the like thereon, comprising a fibrous base and a coating thereon, the coating including a type-impressible, type-rupturable stencil composition of the carbohydrate ester class containing nitrostarch and a tempering agent.

2,191,732

MEAT-SLITTING MACHINE

Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts

Application May 17, 1938, Serial No. 208,389
7 Claims. (Cl. 17—27)



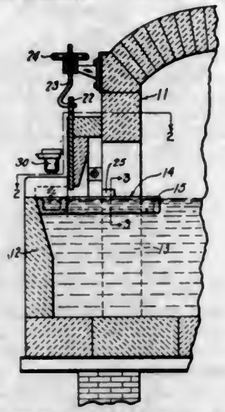
3. A meat slitting machine comprising a set of rotary knives, means to rotate the knives, a guiding member, a meat-supporting plate movable back and forth on the guiding member between a loading position on one side of the knives and an unloading position on the opposite side of the knives, said plate having provision for manual operation thereof, and plate-feeding means which is out of operative engagement with the plate when the latter is in either its loading or its unloading position but which is rendered operative by an initial manual movement of the plate to feed the latter past the knives at a speed slower than the peripheral speed of the knives, said means being rendered inoperative by a manual backward movement of the plate from its unloading position.

2,191,733

METHOD AND APPARATUS FOR DELIVERING AND GATHERING GLASS

Albert F. Tremblay, Toledo, Ohio, assignor to Kent-Owens Machine Company, Toledo, Ohio, a corporation of Ohio

Application January 13, 1936, Serial No. 58,856
26 Claims. (Cl. 49—56)



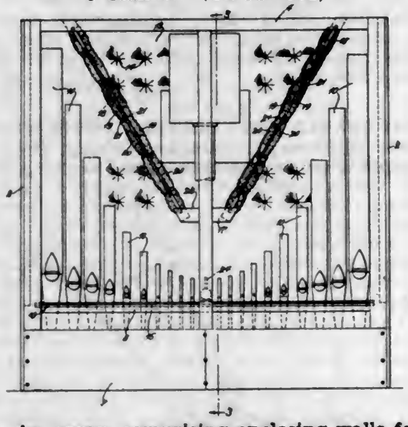
18. In glass working apparatus, a tank furnace having a forebay, a member positioned in the glass in said furnace and having an L-shaped trough in its upper surface with one limb of the L lying adjacent to and parallel with the front of the furance and the other limb extending rearwardly, there being a notch in the end of said forward limb extending below the level of the glass and an opening through said rearwardly extending limb, and entirely below the normal level of the glass.

2,191,734

ORGAN

John H. Wick, Highland, Ill., assignor to Wicks Organ Company, Highland, Ill., a corporation of Illinois

Application March 4, 1939, Serial No. 259,726
9 Claims. (Cl. 84—331)



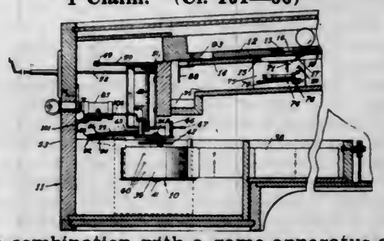
1. An organ comprising enclosing walls forming a compartment having two laterally disposed series of vertical pipes therein, layers of fibrous material lining the walls beyond the sides of said series of pipes, two upwardly diverging baffle walls having their lower ends separated by a space and their upper ends near the top of said compartment, layers of fibrous material covering the upper and lower surfaces of said baffle walls, a rack board near the bottom of the compartment, and a microphone mounted near the vertical axis of the compartment substantially below said space that is between the lower ends of said baffle walls.

2,191,735

GAME APPARATUS

Harry E. Williams, Los Angeles, Calif., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware

Application March 16, 1936, Serial No. 69,154
1 Claim. (Cl. 101—66)



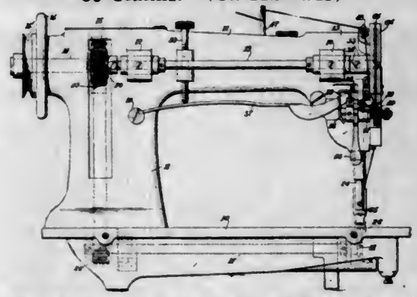
The combination with a game apparatus comprising a reciprocable coin slide and a switch closable by a game playing member, of a score printing drum, means tending to return said drum to a given position, means controlled by said switch for actuating said drum to a score printing position upon closure of said switch by a playing member, means for retaining said drum in said position against the action of said returning means, means for feeding the web section into printing position with respect to said drum, web severing means, means actuatable by said coin slide during a stroke thereof in one direction for effecting the printing of a score upon said web section and severing the same, and means operable by said slide during a stroke thereof in the opposite direction for effecting the operation of said web feeding means for feeding a succeeding section of the web into printing position and effecting the release of said drum by said retaining means for restoration of the same to initial position by said drum return means.

2,191,736

TAKE-UP FOR SEWING MACHINES

Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 12, 1937, Serial No. 168,553
36 Claims. (Cl. 112—248)



1. A take-up for sewing machines comprising a plurality of cyclically operable take-up elements, and mechanism for rotating said elements about their axes, said mechanism including

means for causing one of said elements to rotate at a different frequency from the other of said elements.

2,191,737
PRODUCTION OF WATER-SOLUBLE CONDENSATION PRODUCTS
Richard Alles, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application September 13, 1938, Serial No. 229,699. In Germany September 23, 1937
12 Claims. (Cl. 260—43)

1. The process for producing water-soluble condensation products, which comprises reacting (1) a product obtainable by treating in an alkaline medium a cyclic sulphonic acid containing at least one hydroxyl group other than lignin sulphonic acid and a hydroxyl compound of the benzene series together with an addition compound of a salt of sulphurous acid and a carbonyl compound selected from the class consisting of the aldehydes, ketones, aldehyde alcohols, ketone alcohols, aldehyde acids and ketone acids with (2) a water-soluble lignin sulphonic acid substance selected from the group consisting of lignin sulphonic acid and water-soluble lignin sulphonic acid condensation products obtained with the co-employment of a substance of the group consisting of monohydric and polyhydric phenols and naphthols and urea.

2,191,738
HIGH-MOLECULAR POLYCARBOXYLIC ACID AMIDES AND THEIR PRODUCTION
Gerhard Balle, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 28, 1935, Serial No. 38,215. In Germany September 1, 1934
22 Claims. (Cl. 260—534)

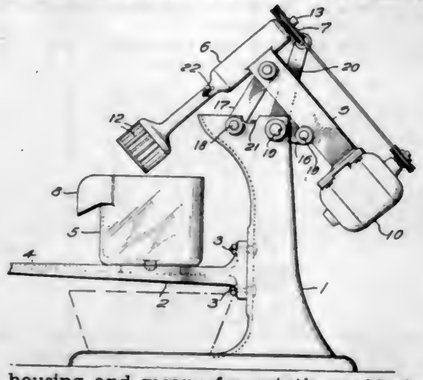
21. Polycarboxylic acid mono-amides of the general formula:

$$R-N-A$$
$$|$$
$$R_1$$

wherein R stands for a high molecular weight aliphatic radicle, R_1 stands for a member of the group consisting of hydrogen, a lower alkyl, a lower hydroxy-alkyl and a benzyl radicle, A stands for the radicle of a low molecular weight aliphatic polycarboxylic acid which is attached to the N-atom through one of its carboxyl groups and which contains at least one free carboxyl group.

2,191,739
AGITATING, AERATING, AND/OR MIXING MACHINE
James Joseph Bean, Salt Lake City, Utah, assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 23, 1937, Serial No. 170,551
3 Claims. (Cl. 259—96)

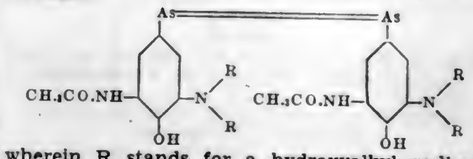
1. In an aerating machine provided with a rotating agitating element suspended in an aerating chamber, said chamber having at all points above the agitating means a periphery greater than the outside periphery of the agitating means, a housing supporting said agitating means from the top, said housing being provided with a horizontal arm above the aerating chamber and supported by a vertical framework at the side of said aerating chamber, the improvement which comprises connecting said arm to said framework through two links of unequal length, the short link being pivoted in the horizontal arm and keyed at its other end to a shaft journaled in the frame and the longer link being pivoted in the horizontal arm and on the framework intermediate the journal of short link and



the housing and means for rotating said shaft whereby the horizontal arm, housing and agitating element are first raised substantially vertically and then caused to tilt.

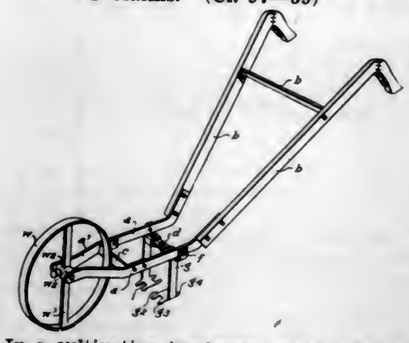
2,191,740
SYMMETRICAL DI-HYDROXYALKYLATED AMINOARSENOBENZENES
Alfred Fehrle, Bad Soden in Taunus, and Paul Fritzsche, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application December 16, 1937, Serial No. 180,154. In Germany December 19, 1936
2 Claims. (Cl. 260—445)

1. The compounds of the following general formula:



wherein R stands for a hydroxyalkyl radical, said compounds being yellow powders which are readily soluble in water and insoluble in ethyl alcohol and ether.

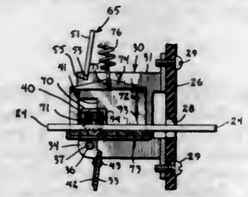
2,191,741
ADJUSTABLE CULTIVATING IMPLEMENT
Otto Hoffman, Washington County, Oreg.
Application June 6, 1938, Serial No. 212,048
4 Claims. (Cl. 97—59)



4. In a cultivating implement of the character

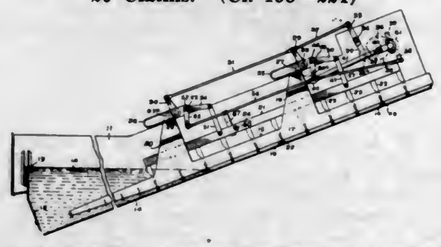
described, the combination of a frame, a tool-carrying bar pivoted in and having limited arcuate movement in said frame, and a two-piece tool removably attachable to said bar and adjustable thereon, so that the component parts may be moved together and apart relatively to the width of the strip of ground to be cultivated.

2,191,742
SWITCH OPERATING DEVICE
Ernest M. Miller, Excelsior, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 23, 1937, Serial No. 181,350
17 Claims. (Cl. 200—138)



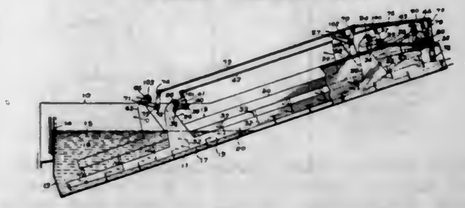
1. A switch mechanism comprising in combination, a condition responsive device, an operating member connected thereto, a first switch, slip friction means connecting said switch to said operating member, stops for limiting the movement of said switch, a second switch, a third switch, and means connecting said second and third switches to said operating member comprising a single snap action mechanism.

2,191,743
CLASSIFIER MECHANISM
Charles H. Scott, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application January 26, 1938, Serial No. 186,942
20 Claims. (Cl. 198—224)



1. A classifying apparatus having a tank for holding a liquid-solids bath from which settle solids that are adapted to be removed upwardly along the sloping bottom of the tank, and having a rake structure movable in a cyclic operating path in a manner to effect the stepwise movement of said solids, and having rake reciprocating means for imparting longitudinally reciprocating movement to the rake structure, and having track means for the rake structure which track means are positionable to enable said rake structure to perform an upward forward solids raking stroke and an elevated non-raking return stroke within its raking cycle; and furthermore having track positioning means operatively associated with said rake reciprocating means; characterized by the fact that the track means are provided upon and by a swingable arm having an axis stationary relative to the tank and controlled by said track positioning means, to position said track means substantially parallel to the sloping bottom during the raking stroke, and to move the track means to an upwardly shifted angular position at the end of said raking stroke.

2,191,744
CLASSIFIER MECHANISM
Charles H. Scott, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application February 16, 1938, Serial No. 190,731
Renewed December 19, 1939
7 Claims. (Cl. 198—224)

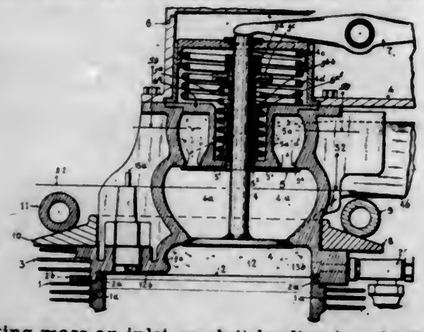


1. A classifier comprising an inclined deck; a pair of cooperatively-related rake structures each having at least a set of adjacent longitudinally-spaced transversely-extending raking blades between which there is continuously interpositioned a corresponding transversely-extending raking blade of the other rake structure; common actuating means for imparting to each of said rake structures guided reciprocative movements along a cyclic path; the longitudinal space between any set of longitudinally-spaced transversely-extending raking blades of either rake structure between which there is continuously interpositioned a transversely-extending raking blade of the other rake structure being somewhat greater than the sum of the longitudinal thickness of the interpositioned transversely-extending raking blade plus twice the length of the rake structure stroke, said cyclic path of each rake structure being composed of a substantially rectilinear forward raking movement and a non-raking return movement having an elevated portion and a final path portion directed substantially normal to said deck and said rectilinear movement, the timed relationship of the respective cyclic movements of the two rake structures furthermore being such that a raking blade of one rake structure is substantially at the end of its rearward stroke at the end of the rectilinear forward stroke of the adjacent blade of the other rake structure.

2,191,745
INTERNAL COMBUSTION ENGINE
Jean A. H. Barkeij, Altadena, Calif.
Application March 31, 1934, Serial No. 718,420
14 Claims. (Cl. 123—79)

1. In a fourstroke cycle internal combustion engine, the combination of a cylinder having a valve in the head thereof arranged at one side of the cylinder and a Venturi shaped passage around said valve so that said valve is located substantially at the narrowest part of said Venturi passage the widest passage of said Venturi shaped passage being located above the narrowest part thereof so that the distance between the widest and narrowest part is substantially at least half the diameter of said valve said engine being of the compression ignition type in which said cylinder is provided below said valve with a deflecting wall extending around a part of the periphery of said valve said wall being concave and curved towards the exit part of said deflecting

wall to impart to the aircharge accelerated through said Venturi passage a high rotational velocity, and a fuel nozzle arranged to direct the fuel within said cylinder transversely of the rotating mass an inlet conduit leading to said Venturi passage, the approach of said inlet conduit being tangentially to said cylinder and being substantially above said deflecting concave wall.

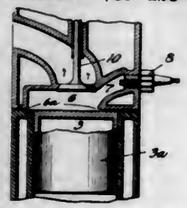


2,191,746

COMBUSTION CHAMBER IN CYLINDER HEADS OF INTERNAL COMBUSTION ENGINES

Jean A. H. Barkeij, Altadena, Calif.

Application March 2, 1938, Serial No. 193,550
14 Claims. (Cl. 123—191)



1. In a four stroke cycle internal combustion engine of the explosive type, a cylinder with a cylinder bore, a cylinder head, an explosion chamber in said cylinder head communicating with said cylinder bore, an inlet valve and an exhaust valve in said explosion chamber, an additional explosion chamber of relatively small volume compared with said main explosion chamber and communicating restrictedly with said main explosion chamber, a sparkplug in said additional chamber at the periphery of said combustion chamber and located closer to the edge of the exhaust valve than to the edge of said inlet valve, said additional explosion chamber being otherwise permanently closed, said inlet valve admitting all the gas to be burned to said main combustion chamber, and another sparkplug substantially diametrically opposite said first sparkplug across the cylinder bore and means to ignite said sparkplugs substantially simultaneously.

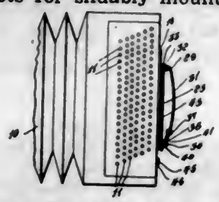
2,191,747

ACCORDION ATTACHMENT

Albert S. Barty, Hollywood, Calif.

Application August 25, 1938, Serial No. 226,790
5 Claims. (Cl. 84—376)

1. An attachment for use with accordions, said attachment comprising a plate adapted to be secured to an end panel of an accordion, said plate being provided with longitudinally disposed sides having inwardly projecting flanges forming longitudinal slots, a hand rest provided with an adjustable hand retaining strap, a slide secured to said hand rest and provided with flanges to engage said slots for slidably mounting the hand rest on said panel, and spring means engaging one of said sides adjacent its upper end for urging it toward the other side to resist the upward movement of said slide.



2,191,748

CHLORINATED RUBBER PRODUCT

John Philip Baxter, Widnes, Lancaster, and Leonard Thane Dod, Crosby, Liverpool, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 6, 1937, Serial No. 178,418. In Great Britain December 15, 1936
4 Claims. (Cl. 260—727)

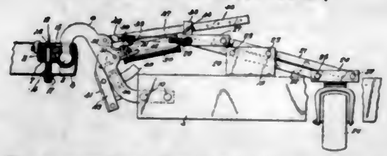
1. A process which comprises chlorinating an unvulcanized rubber until it contains not more than 20% by weight of chlorine, mixing the product with chlorinated rubber containing more than 20% by weight of chlorine and subsequently vulcanizing the product so formed.

2,191,749

TRAILER HITCH

Elmer C. Brown, Donnelly, Idaho

Application February 7, 1938, Serial No. 189,232
2 Claims. (Cl. 280—33.17)



2. In a coupling for connecting a trailer to the bumper of a towing vehicle, the bumper having a downwardly extended offset portion providing a socket member and a shoulder, an arm connected to the tongue of the trailer, a head on the arm and adapted to fit in the socket member, a locking disk fitted in the offset portion and adapted to engage the head and shoulder holding the head within the socket member, and yieldable means for normally urging the locking disk to its locking position.

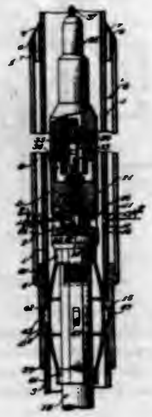
2,191,750

WELL CEMENTING APPARATUS

Lawrence L. Brown, Lynwood, Calif., assignor of one-fourth to R. H. Wells and one-fourth to F. A. Graser, both of Long Beach, Calif., and one-fourth to J. B. Nelson, Los Angeles, Calif.

Application March 14, 1938, Serial No. 195,856
12 Claims. (Cl. 166—1)

1. In an apparatus for introducing cement into a well bore around a well casing for the purpose of effecting a seal against transfer of fluid along the well bore externally of the casing, of: a shield incorporated on the casing string opposite the region to be cemented, said shield defining with the casing string a chamber having an inlet communicating with the interior of the casing and an outlet communicating with the well bore, said inlet and outlet being offset with respect to each other to form a passage therebetween adapted, when filled with cement, to form a pressure-tight seal against exchange of fluids between the well bore and interior of the casing; a



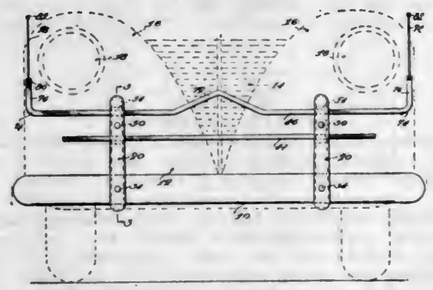
sealing means within and initially closing said inlet, said sealing means being capable of withstanding the hydrostatic and pump pressures exerted by fluid in the casing; and an explosively operated device adapted to create a localized surge pressure materially exceeding such hydrostatic and pump pressure for opening said sealing means.

2,191,751

AUTOMOTIVE VEHICLE GUARD

Fred R. Cataldo, Chelsea, Mass.

Application December 3, 1938, Serial No. 243,859
3 Claims. (Cl. 293—55)



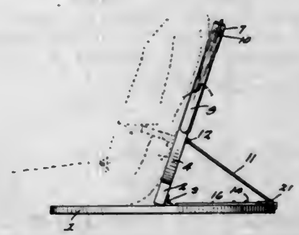
3. In combination with the bumper structure of an automotive vehicle including fenders and a grill, upright members bolted to the bumper structure, horizontal bars bolted to the upright members, said horizontal bars being spaced vertically and one of said bars being provided with a bend located in advance of the grill, diagonal brace means cooperable on said upright members and the bumper structure for supporting the upright members, said upright members being recessed, said horizontal bars being positioned in said recesses, plates spanning said horizontal bars, bolts extending through the upright members, said plates and said diagonal brace means for connecting the parts into a unitary structure, said upright members being channel-shaped in cross section and having recesses for housing the bumper structure engaged thereby.

2,191,752

MULTIPURPOSE SEAT OR TABLE

Dumont Clarke, Manchester, Vt.

Application April 4, 1938, Serial No. 200,019
1 Claim. (Cl. 155—154)



A seat for out-of-door use on the ground, comprising a base, a back support having its lower end hinged to the intermediate portion of the base, eyes on the base, near the rear end of the base, a U-shaped brace hinged in its intermediate portion to the back support and having transversely projecting fingers detachably engaged with the eyes, a base extension adapted to be slid rearwardly, beyond the rear end of the base, to minimize the tendency for the seat to tip over backwardly, and brackets located on the base, so closely adjacent to the eyes that the brackets will extend under the fingers and give added security to the mounting of the fingers, when the fingers are engaged with the eyes, and when an occupant exerts strong pressure against the back support, the brackets connecting the base extension slidably with the base, the base extension being wider than the brace, whereby the base extension may be slid inwardly to inoperative position whilst the brace remains in operative position.

2,191,753

QUATERNARY AMMONIUM COMPOUNDS AND A PROCESS OF MAKING THEM

Donald Drake Coffman, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 15, 1938, Serial No. 230,115
15 Claims. (Cl. 260—584)

9. A condensation product of formaldehyde, an aliphatic glycol having at least one hydrogen attached to each carbinol carbon, a saturated aliphatic ditertiary diamine, and a non-oxidizing, inorganic, anhydrous acid.

2,191,754

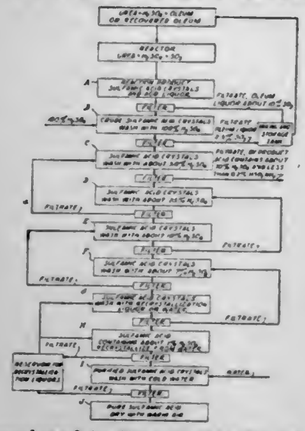
PROCESS OF MAKING AMINOSULPHONIC ACID

Martin Eli Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application January 25, 1938, Serial No. 186,894
6 Claims. (Cl. 23—166)

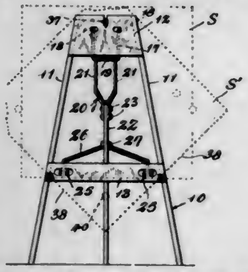
1. Process for preparing sulphamic acid which comprises reacting urea with 20 to 28% oleum to

complete the reaction in from 10 to 30 hours at 40° C. to 50° C., the sulphur trioxide and urea



being employed in the molal ratio of 1.25 to 1.8 mols of sulphur trioxide per mol of urea.

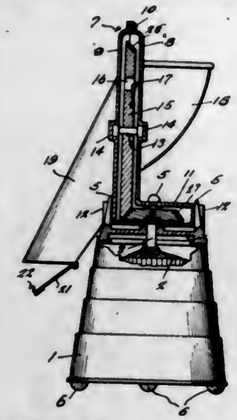
2,191,755
EASEL
Stephen L. Dearing, Palmyra, Mo.
Application April 6, 1938, Serial No. 200,484
4 Claims. (Cl. 40—125)



1. An easel for support of signs and the like comprising a pair of front leg members, upper and lower panels connecting the legs, ears upon the panels, brace links swingably mounted in the ears of the lower panel, a bail swingably mounted in the ears of the upper panel, a prop leg swingably mounted on the bail, said bail being swingable through an arc of approximately 180 degrees and the upper end of said prop leg having a notched portion for engaging the lower edge of the upper panel when in erected position.

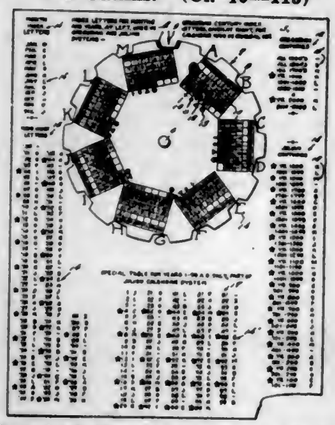
2,191,756
ICE SHAVING MACHINE
Albert C. Gray, Jackson Heights, N. Y.
Application July 17, 1939, Serial No. 284,984
2 Claims. (Cl. 83—62)

1. In combination a base, an electric motor mounted in said base, a shaft driven by the motor and extending vertically through the top of the base and a plurality of retaining fingers rising from said base, a housing including a horizontal lower portion adapted to be mounted on the base and having a plurality of recesses therein for the reception of the retaining fingers, a horizontal gear journaled in said lower portion of the housing and adapted for operative connection with the motor shaft for actuation thereby, a vertical disc journaled in the housing and operatively connected with the gear for actuation thereby, a plurality of blades mounted on said disc, a hopper mounted on the housing on one side of the disc, said hopper communicating with the



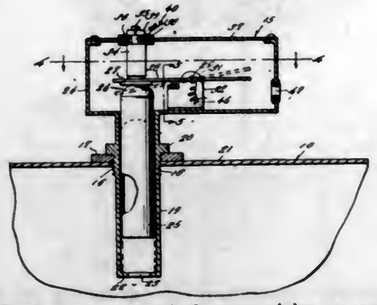
housing for discharging ice thereinto, and a discharge chute mounted on the housing on the opposite side of the disc and communicating with said housing for receiving the ice therefrom.

2,191,757
CALCULATING CALENDAR
Francis H. Hacker, Nutley, N. J.
Application September 13, 1938, Serial No. 229,797
5 Claims. (Cl. 40—113)



1. A calculating device comprising a panel having applied thereto a month table, two century tables, and two year tables and each including like index symbols, a disc journaled on the panel and provided with spaced notches and having applied thereto a selected number of monthly calendars adapted to be brought into a determined reading position on the panel by information obtained from said tables to find the day of the week for any date in the past and in the future and to provide a calendar for the entire month involved, said panel having a symbol for a determined reading position and one of said notches having distinguishing marking to be brought opposite said last-named symbol when starting a calculation with said disc, said panel having index symbols corresponding to the index symbols of the tables and arranged about the disc for permitting a person to determine the distance the disc must be rotated to bring the proper calendar to the reading position on the panel.

2,191,758
FLOAT SWITCH
George W. Heindel, York, Pa.
Application April 12, 1938, Serial No. 201,641
1 Claim. (Cl. 200—84)



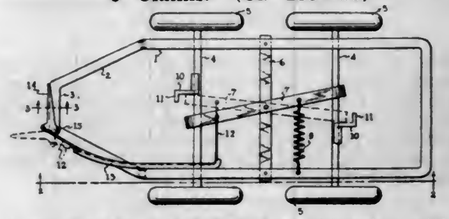
A float operated switch comprising a casing, a substantially U-shaped bracket having its bight connected with an intermediate part of the bottom of the casing, an elongated flat switch arm having an intermediate part thereof pivoted between the limbs of the bracket adjacent the upper end of the bracket, each limb having a forwardly extending part, the upper end of which is bent over, said bent over portions forming stops for limiting downward movement of the front end of the arm, said front end of the arm being of greater weight than the rear portion whereby said front portion tends to drop by gravity and to normally rest upon the bent portions, a contact member passing through a hole in the top of the casing and insulated from said top and having a portion adapted to be engaged by the front part of the switch arm when the arm is raised, a tubular part depending from the bottom of the casing and adapted to enter a tank, the bottom of the tubular part having an opening therein for the admission of liquid from the tank into the tubular part and an elongated tubular float in the tubular part having its upper end adapted to engage the switch arm, to raise the same against the contact, when the float is raised.

2,191,759
DIRIGIBLE AIRSHIP
Karl P. Hilberth, White Plains, N. Y., assignor of forty per cent to Samuel Steckler and twenty per cent to Hyman Hecker, both. of White Plains, N. Y.
Application June 25, 1937, Serial No. 150,400
4 Claims. (Cl. 244—30)



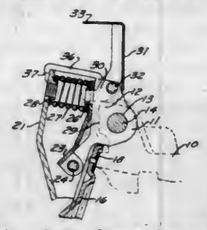
1. In an airship, the combination of a body portion, power plants arranged at forward and rearward portions of said body portion and having propellers so constructed and arranged as to act respectively in opposite directions at the forward and rearward portions of the body portion, and planes arranged adjacent the propellers in positions for action of the propellers toward said planes, and means mounting each plane for turning movement about a transverse axis approximately intersecting the axis of rotation of the adjacent propeller and said plane being arranged with the propeller axis extending approximately through the mid portion thereof.

2,191,760
BABY CARRIAGE
Emerick Hodaly, Detroit, Mich.
Application March 27, 1939, Serial No. 264,291
9 Claims. (Cl. 188—20)



1. In a baby carriage, the combination with a pair of spaced axles, wheels fixed on the ends of such axles, a frame mounted on and journaling said axles, and a handle extending from said frame for propelling the carriage, of a mechanism for obstructing rotation of both axles, including a control element mounted upon the handle, and a spring biasing said mechanism toward its obstructing position.

2,191,761
JOURNAL BOX
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 10, 1936, Serial No. 95,084
7 Claims. (Cl. 308—47)

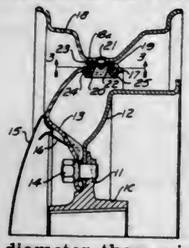


1. In a lid structure for a journal box having a hinge lug, a cover, a hood secured to the cover, a pintle pivotally securing the hood to said hinge lug, a hood cap pivotally secured to the hood, means on said hood cap embracing said pintle when said hood cap is closed and arranged to free said pintle for ready removal when said hood cap is in open position.

2,191,762
VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 28, 1938, Serial No. 198,355
3 Claims. (Cl. 152—40)

1. A vehicle wheel comprising radially spaced concentric axially extending continuous wall portions, and means for attaching said wall portions

together for limited relative movement, said means consisting of a plurality of shallow recesses in one of said wall portions opening away from the other wall portion, a plurality of studs rigidly attached to said last mentioned wall portion and extending freely through complementary apertures in the bottoms of said recesses, said studs



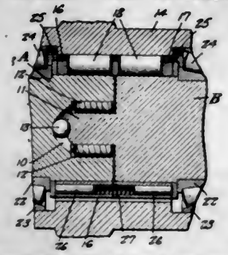
being of less diameter than said apertures and having heads on their free ends of greater diameter than said apertures, and a mass of resilient deformable material surrounding each stud and located in each recess and beneath the head of the respective stud for resisting relative movement of said wall portions.

2,191,763

DIFFERENTIAL

Hector J. La Casse, Missoula, Mont.

Application December 27, 1938, Serial 247,884
2 Claims. (Cl. 74—389.5)



1. A differential of the kind described comprising a sleeve-like member forming a driving element, a two-part axle extending through the said member and having the ends of its parts next to each other rotatably interfitted one within the other, anti-friction means located between the interfitted portions of the parts of said axle, an internal clutch face formed in said member, a sleeve-like cage loosely embracing the interfitted ends of said axle, clutching rollers confined by said cage for coacting with the clutch face and simultaneously and individually with the said interfitted ends of the axle, and means within the cage and active upon the clutching rollers for holding the same yieldably tensioned spaced from each other.

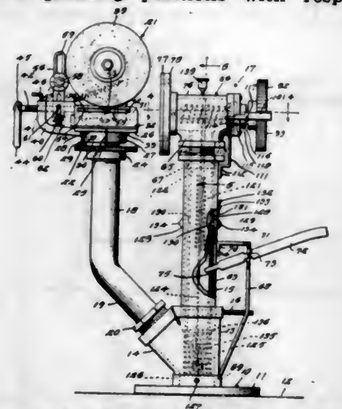
2,191,764

MILL PLATE RESHARPENING MACHINE

Jose C. H. Leon, Tegucigalpa, Honduras

Application August 23, 1938, Serial No. 226,395
5 Claims. (Cl. 51—92)

2. A device of the type described comprising a grinding stone, a work mount, a support, a shaft keyed to the work mount and threadedly related to said support for rotation therein, a relatively fixed guide, a companion guide fixed to said support and slidably related to said fixed guide, means for actuating said companion guide to shift the support and said work mount for presenting the work to the grinding stone, and an operating connection between said relatively fixed guide and said shaft for turning the latter to shift the work mount for advancing the work to successive grinding positions with respect to



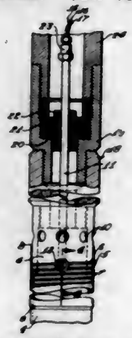
said grinding stone and for advancing the work mount toward the grinding stone, to compensate for wear of the latter.

2,191,765

TEMPERATURE INDICATOR FOR WELLS

Ralph W. Lohman, South Pasadena, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application July 2, 1938, Serial No. 217,119
4 Claims. (Cl. 73—362)



1. A temperature indicator for wells, comprising: a helical resistance coil adapted to change its resistance in response to change in its temperature; a high pressure-resistance case therefor comprising relatively thin outer and inner shells covering the outer and inner sides of said coil and contacting each other between convolutions of said coil and forming bridges of rudimentary cross section over the convolutions of said coil, capable of withstanding extreme hydrostatic pressure, the outer and inner surfaces of said outer and inner shells, respectively, being exposed to well pressures; and means electrically associated with said coil for indicating the temperature thereof.

2,191,766

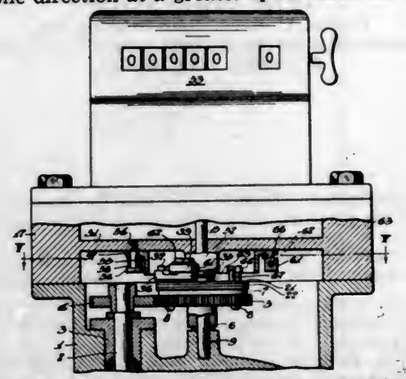
COMPENSATED REGISTER DRIVE

Walter H. Marsh, Crafton, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1935, Serial No. 34,046
Renewed July 10, 1939
15 Claims. (Cl. 74—112)

1. In a compensated drive, a driving shaft, a

driven member, a primary one way clutch member operated by said driving shaft to rotate said driven member in one direction for a portion of its cycle rotation, a secondary one way clutch member to grip said driven member when turned in one direction at a greater speed than the pri-



mary one-way clutch, an arm connected to said secondary clutch member, a guiding track providing an orbit with its axis displaced with respect to the axis of the driving shaft, and means actuated by the driving shaft contacting said arm and guided by said track.

2,191,767

PROCESS FOR TREATING MINERAL OILS

Wilbert B. McCluer and Merrell R. Fenske, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

No Drawing. Application December 15, 1934, Serial No. 757,734
1 Claim. (Cl. 196—13)

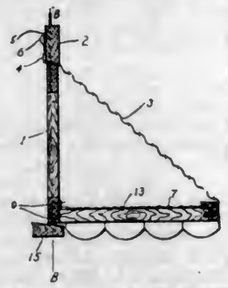
A process for extracting a lubricating oil of Pennsylvania grade, comprising first mixing with said oil a solvent which is selective as to molecular type, said solvent being completely miscible with said oil, thereafter contacting said mixture with a second solvent which is selective as to the same molecular type as said first solvent, said second solvent being relatively immiscible with said oil, said solvents being completely miscible with each other, and scrubbing said first solvent from said oil with said second solvent.

2,191,768

VENTILATOR

Harold L. Moose, San Francisco, Calif.

Application December 14, 1938, Serial No. 245,794
3 Claims. (Cl. 98—99)



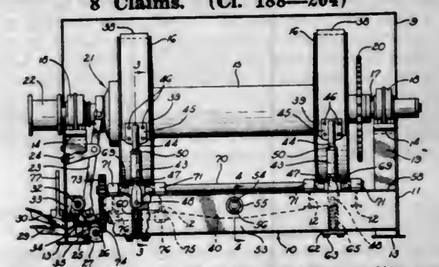
1. A ventilator comprising an upright frame, a second frame secured to and extending outwardly from said upright frame, an awning canopy extending from the top of said upright frame downwardly to the front portion of said second frame, an extension on said canopy equal in width thereto and having a continuous surface passing beyond the top of said upright frame and adapted to pass beneath the bottom of a window sash positioned above said upright frame, and means for attaching said extension on the interior above the bottom of the window sash.

2,191,769

BRAKE MECHANISM

Harry C. Morehouse, Los Angeles, Calif., assignor to Wagner-Morehouse, Inc., Los Angeles, Calif., a corporation of California

Application July 11, 1938, Serial No. 218,536
8 Claims. (Cl. 188—204)



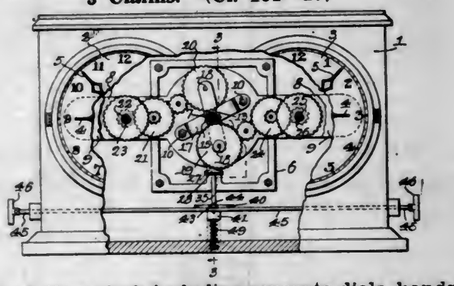
1. Braking means for cooperation with a rotary device having two axially spaced cylindrical brake surfaces, said braking means comprising: two brake bands, one overlying each of said cylindrical surfaces; an equalizing lever having two arms near the dead ends of said brake bands; adjustable means interconnecting the dead ends of said brake bands and the corresponding arms of said lever; brake-operating means connected with the live ends of said bands; and means fixed adjacent said equalizing lever providing a fixed sighting edge for determining variance of said equalizing lever from a given plane, said sighting edge extending in said plane substantial distances alongside said lever on opposite sides of the axis of lever rotation.

2,191,770

TIME CLOCK

Benjamin Moss, Manitowoc, Wis.

Application July 17, 1939, Serial No. 284,991
3 Claims. (Cl. 161—17)



1. A time clock including separate dials, hands movable on each dial, a train of gears for operating the hands on each dial, a clock mechanism including a main arbor, opposed clutch members slidable on and rotatable with the arbor, and means under the control of an operator for shifting the clutch members to simultaneously couple the arbor to one train of gears and uncouple it from the other train of gears.

2,191,771
FASTENER
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application September 16, 1937, Serial No. 164,112
3 Claims. (Cl. 85—21)



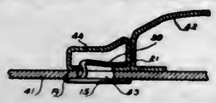
1. A metallic hammer-driven fastener for use in such materials as steel and iron including a body portion having a plurality of hardened criss-cross peripheral body elements adapted to broach a cylindrical aperture in a work piece when longitudinally driven therein, the elements in the vicinity of the entering end of the fastener being adapted to broach a smaller diameter than the elements receding from said entering end, said hardened peripheral body elements being separated by body indentations inwardly decreasing in circumferential cross-sections.

2,191,772
FOLDABLE TABLE
Floyd Frederick O'Toole, L'Anse, Mich., assignor of two-fifths to Leo J. Brennan, L'Anse, Mich.
Application January 25, 1939, Serial No. 252,812
2 Claims. (Cl. 311—82)



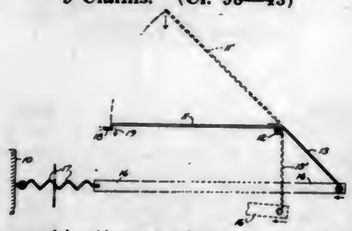
1. In a table, a top, pulleys arranged at spaced points on the under side of said top, legs close to the pulleys and pivoted to the top for folding inwardly against the same, an endless tape movable over the pulleys and having short flexible sprocket chain sections between the said pulleys, sprocket gears fixedly journaled in place between the legs for meshing with the sprocket chain sections, respectively, and a swinging one-piece brace for operating each sprocket gear and slidably fitted to a companion leg whereby when one brace operates its sprocket wheel and chain section, the other chain sections are operating the other gears and attached braces and moving all of the legs in unison with each other.

2,191,773
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application December 8, 1937, Serial No. 178,805
10 Claims. (Cl. 189—88)



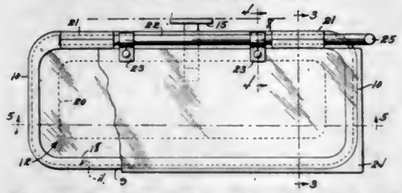
8. A spring fastener comprising a flat head, and holding means carried by said head eccentrically thereof, said holding means consisting in a resilient portion extending normal to said head and provided with a shoulder extending in one direction spaced from said head whereby a recess is formed between said head and shoulder and another elongated portion extending away from said shoulder in the opposite direction, said portion being also spaced from said head.

2,191,774
ATTIC VENTILATION
Lyman C. Reed, New Orleans, La.
Application March 20, 1939, Serial No. 262,943
9 Claims. (Cl. 98—43)



1. In combination an air vent; means to impel an air current through said vent; a pivoted vane horizontally closing said vent when no air current is flowing through said vent, said vane adapted to be moved against the urge of gravity into vent-opening position when an air pressure of sufficient force is directed against said vane; a lever rigidly connected to said vane at a point intermediate the pivotal and opposite edges of the vane, said lever arcuately formed and having portions extending to both sides of a plane passing through the vane pivot; and spring means disposed on one side only of such pivotal plane and connected to said lever and exerting a force thereon opposed to the gravitational pull on said vane.

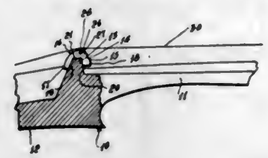
2,191,775
VIZOR
Harvey L. Sanderson, Butler, Pa.
Application September 12, 1938, Serial No. 229,609
2 Claims. (Cl. 88—77)



1. Means for connecting an anti-glare shield to a mirror and comprising an endless strip of material defining a mirror accommodating opening and formed with a continuous mirror-margin receiving channel, said strip having an outer face integrally formed with bearings means extending therefrom adjacent said opening and disposed within the marginal confines of said face, said strip being of sufficient resiliency to effect self-adjustment of the strip about a mirror accommodated in said opening to maintain the margins of the latter clamped in said channel, said bearing means adapted to adjustably connect the shield to the strip to permit adjustment of the shield to covered and uncovered positions with respect to the mirror.

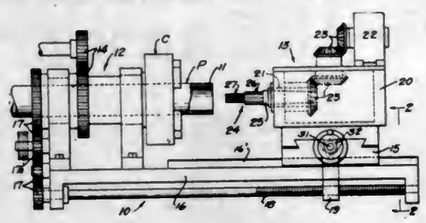
2,191,776
NUT FOR STRINGED MUSICAL INSTRUMENTS
Elmer A. Schreiber, Albert Lea, Minn.
Application January 12, 1939, Serial No. 250,650
4 Claims. (Cl. 84—314)

1. A detachable nut for stringed musical instruments comprising a head portion having depending spaced legs adapted to engage the nut of a musical instrument and to be removably mounted thereon, said head portion having a plurality of transverse slots, a shaft mounted in



said head portion and disposed longitudinally thereof, said shaft extending through each of said slots, a plurality of rollers journaled on said shaft and disposed in said slots, and the periphery of each of said rollers being grooved.

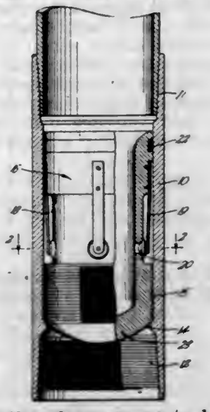
2,191,777
METHOD OF MILLING CYLINDRICAL WORK
Albert L. Stone, Palos Verdes Estates, Calif., assignor to Hydril Company of California, Los Angeles, Calif., a corporation of California
Application February 10, 1939, Serial No. 255,640
5 Claims. (Cl. 10—154)



1. The method of milling cylindrical work with a circular cutter having a plurality of longitudinally extending, axially alined cutting zones of different diameters spaced longitudinally therealong, that includes rotating the work and cutter about substantially parallel axes with one of the cutter zones opposite the work at the point to be milled, moving the cutter transversely with respect to the work to bring said one zone into cutting engagement with a peripheral face of the work, continuing such rotation until the work has completed at least one revolution, relatively longitudinally shifting the cutter and the work to clear said one zone from and to bring another zone into radial opposition with the work at the point where it has been cut, moving the cutter transversely with respect to the work to bring said other zone into cutting engagement with the work at said point, rotating the work and cutter, and continuing such engagement until the work has completed at least one revolution.

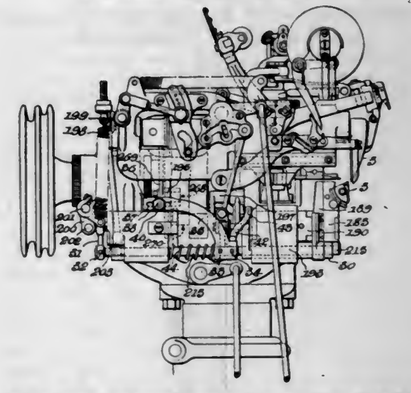
2,191,778
BACK PRESSURE VALVE
Kenneth H. Swart, Whittier, Calif., assignor to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application September 14, 1939, Serial No. 294,818
10 Claims. (Cl. 166—1)

1. A back pressure valve for cementing casings, liners, and the like comprising means providing an outer ported sleeve, a drillable ported valve-holding bushing therein, and outwardly-opening, inwardly-closing check valves on the bushing for opening and closing the ports in the bushing, said check valves being arranged between the



bushing and the sleeve so as to be protected by the sleeve when the device is lowered into a well.

2,191,779
FEED MODIFYING ATTACHMENT FOR SHOE ROUNDING AND CHANNELING MACHINES
Telesphore E. Therriault, Manchester, N. H.
Application May 11, 1939, Serial No. 273,082
15 Claims. (Cl. 12—18)

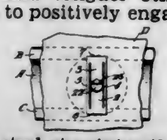


1. In a shoe channeling and rounding machine, a sole support, a feed plate spaced from and opposed to said sole support, means for imparting movement to said support and plate including a sole feeding movement together and a return movement including a period of relative movement normally effective for channeling purposes and a normal degree of movement of separation for sole freeing purposes, and means operable during said return movement for bringing about a greater than normal degree of movement of separation to adapt the machine for work upon soles of crepe rubber or the like.

2,191,780
FASTENING MEANS
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application November 30, 1937, Serial No. 177,324
3 Claims. (Cl. 85—5)

1. Fastening means comprising a cooperating retainer and spring locking plate, said retainer including a substantially D-shaped stud having a

substantially flat side face and a generally curved side portion, said spring locking plate comprising a pair of cooperating tongues for engaging said stud, one of said tongues being provided with a recess in its extremity adapted to receive the curved portion of said stud in one position such that the extremities of said tongues are out of fastening engagement therewith, the extremities of said tongues otherwise being of such spacing as to positively engage said substan-



tially D-shaped stud at points other than said flat side face thereof in the applied fastening position of the spring locking plate therewith, said locking plate and stud being separable from such applied fastening position upon relative movement to dispose the extremity of one of said tongues of the locking plate substantially opposite said flat side face of the D-shaped stud with the generally curved side portion thereof received in said recess in the extremity of the other tongue.

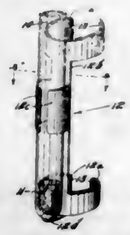
2,191,781
PRESSURE COMPENSATOR FOR GUN PERFORATORS
George F. Turechek, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application April 26, 1939, Serial No. 270,129
5 Claims. (Cl. 164—0.5)



1. The combination with a gun perforator adapted to be lowered in liquid within a well casing: a hermetically sealed chamber containing a compressible medium and including a pressure responsive diaphragm capable of withstanding the hydrostatic head of liquid in which the gun perforator is submerged and yieldable to surge pressures generated upon discharge of said gun perforator to accommodate liquid displaced by reason of said discharge.

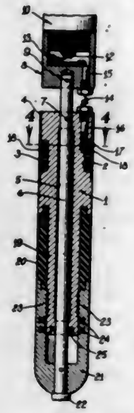
2,191,782
THERMOMETER HOLDER
Ernest Oscar Valane, Oak Terrace, Minn., assignor of one-half to G. A. Goff, Hennepin County, Minn.
Application July 19, 1937, Serial No. 154,406
1 Claim. (Cl. 248—229)

A thermometer holder having in combination, a tubular container having an open upper end, a bracket formed of one piece of sheet material having at its top and bottom oppositely disposed resilient substantially semi-cylindrical arms adapted to embrace and clamp a bed post, said bracket having spaced resilient oppositely disposed substantially semi-cylindrical arms dis-



posed between said first mentioned arms and facing substantially oppositely thereto adapted to embrace said container and a horizontal projection at its lower end forming a rest for the bottom of said container.

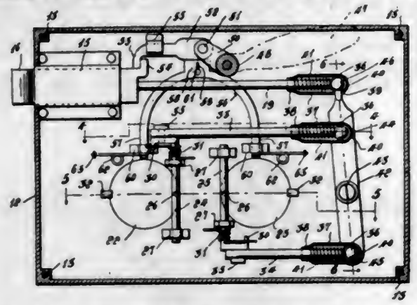
2,191,783
BRIDGING PLUG
Walter T. Wells, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application July 15, 1939, Serial No. 284,650
10 Claims. (Cl. 166—13)



1. In an oil well device: a body member adapted to be lowered into a well bore; a metallic exothermic reacting material carried by said body member and adapted to flow therefrom into contact with a surrounding casing to form a bond between the casing and body member; and means for igniting said material.

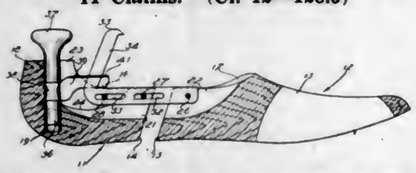
2,191,784
FLUSH TYPE LATCH OPERATOR
Earl B. Young, Pueblo, Colo.
Application June 23, 1938, Serial No. 215,471
4 Claims. (Cl. 292—167)

3. In a latch operator for swinging closures, flap members adapted to be pivotally mounted on the inner side of the outer wall of a closure, said wall having spaced openings, spring means normally retaining said flaps in said openings, a lever pivotally mounted intermediate of its ends, links connecting said flaps to said lever on opposite sides of its pivot, and a rod connected to one end of said lever and to a sliding



latch bolt for retracting the bolt by an inward movement of the flap members.

2,191,785
SHOETREE
Arthur R. Anderson, North Arlington, N. J.
Application May 28, 1938, Serial No. 210,726
11 Claims. (Cl. 12—128.6)

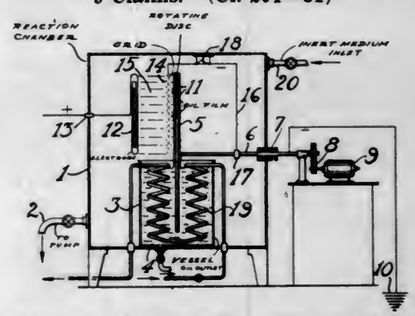


1. A shoe tree comprising cooperating heel and toe sections slidably connected together, means for relatively separating said sections to fit a shoe in which they have been inserted, a manual control handle for said means slidable generally toward said shoe to cause separation of said sections and slidable generally away from said shoe to cause said sections to move toward each other whereby said handle is manually grasped and pushed to force said tree into firm contact with said shoe and expand the tree with one continuous motion and said handle may be grasped and pulled to effect contraction of said tree and subsequent removal of said tree from said shoe with another continuous motion.

2,191,786
CONTINUOUS PROCESS FOR MAKING ADIPIC ACID
Albert M. Aronow, Los Angeles, Calif., assignor of one-fifth to C. A. Miketta, Beverly Hills, Calif.
No Drawing. Application March 18, 1938, Serial No. 196,747
9 Claims. (Cl. 260—531)

2. A continuous process for manufacturing adipic acid, comprising: forming a body of reaction solution containing from about 6% to 10% of nitric acid and a metallic catalyst in a reaction zone, said body of reaction solution being at a temperature between about 70° C. and 85° C., said catalyst being of a metal having a variable valency, continuously adding to said body of reaction solution cyclohexanol and concentrated nitric acid, while energetically agitating the same, in proportions sufficient to oxidize the cyclohexanol and still maintain a concentration of from 6% to 10% of nitric acid in the reaction solution, continuously withdrawing reaction mixture from said reaction zone at a rate correlated to the rate at which cyclohexanol and nitric acid is added to said zone, the rate of withdrawal being adapted to permit oxidation of added cyclohexanol and maintain a body of reaction solution in said zone, maintaining said reaction mixture at a temperature of between about 70° C. and 85° C. in said reaction zone during said continuous addition and withdrawal, chilling the withdrawn reaction mixture, and separating the precipitated adipic acid from the acid mother liquid.

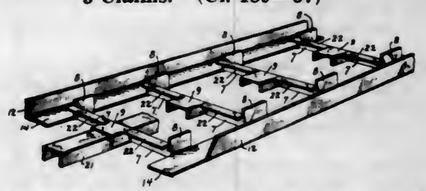
2,191,787
VOLTOLIZATION APPARATUS AND METHOD
John E. Clemens, Elizabeth, and George L. Matheson, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 17, 1936, Serial No. 116,256
9 Claims. (Cl. 204—31)



1. Method of voltolizing oily organic compounds which comprises projecting positive ions from a gas ionizing zone through a narrow space having substantially no electrical potential gradient, then into contact with the organic compound in a liquid film at an interface of the film with said space, and exposing the surface of the liquid oily organic compound film to the action of positive ions penetrating through said space until a desired substantial thickening of the organic compound is obtained.

3. Apparatus for thickening organic compounds, comprising a positive electrode, a grid-type negative electrode spaced from said positive electrode, electrical connections from said electrodes to complete an electrical circuit including electrical potential difference between the positive electrode and the grid-type electrode to produce positive ions projected through openings in said grid-type electrode, and means electrically connected to have the electrical potential of the grid-type electrode for exposing a liquid surface of the organic compounds to be thickened to bombardment by positive ions projected through openings in said grid-type electrode.

2,191,788
STRUCTURAL STEEL MEMBER
Timothy Collins, San Francisco, Calif., assignor of one-half to Benjamin F. Tomlin, San Francisco, Calif.
Application January 7, 1938, Serial No. 183,848
3 Claims. (Cl. 189—37)



3. A structural member of the character de-

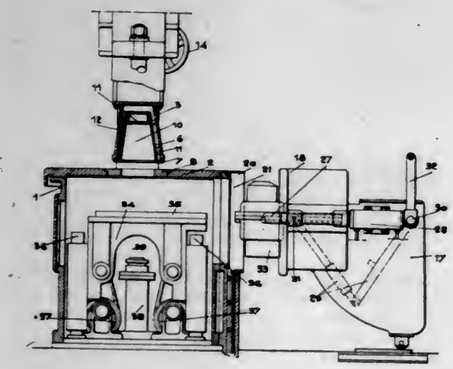
scribed comprising a pair of longitudinally extending spaced side strips, each strip having a web and an inner and outer flange, a plurality of cross-arms formed integral with the inner flanges of the side strips and connecting the same, said arms being disposed at right angles to the side strips, and a centrally disposed U-shaped connector on each cross-arm.

2,191,789

MACHINE FOR THE MOLDING OR CASTING UNDER PRESSURE OF METALS

Jaime de Sternberg, Montigny-les-Cormeilles, France

Application February 10, 1938, Serial No. 189,725
In France February 17, 1937
4 Claims. (Cl. 22—68)



1. In a machine for the casting under pressure of high melting point metals, in combination, an air-tight chamber having an upper wall provided with an aperture, means for creating a vacuum into the said chamber, a crucible in two parts: a lower part adapted to receive a charge of melted metal metal means for electrically heating the said lower part, an upper part adapted to resist to the injection pressure, a movable piston constituting the bottom of the crucible, a vertically movable support in the chamber for supporting the crucible and bringing the same into the aperture of the upper wall of the chamber, a press to act upon the piston in order to transfer the whole charge of metal into the upper part of the crucible, a bell for containing a mold, and means for applying the said bell and mold upon the aperture of the upper wall of the chamber.

2,191,790

STEELS AND ELECTRICAL RESISTANCE ELEMENTS

Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application May 7, 1938, Serial No. 206,539
6 Claims. (Cl. 75—126)

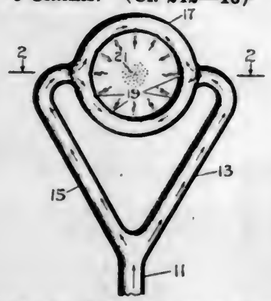
1. Alloy ferritic steel resistant to oxidation and scaling at elevated temperatures and comprising 10% to 30% chromium, aluminum in an amount between about 2% and 10%, carbon in an amount not exceeding 0.5%, nitrogen in an amount between 0.05% and 0.5%, and the remainder principally iron.

2,191,791

THREAD GUIDE

Vernal Richard Hardy and John Blanchard Miles, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 9, 1937, Serial No. 163,068
6 Claims. (Cl. 242—18)



1. The method of traversing a thread while winding the same onto a bobbin which comprises forcing the thread backwardly and forwardly across the bobbin by means of a fluid current directed against said thread.

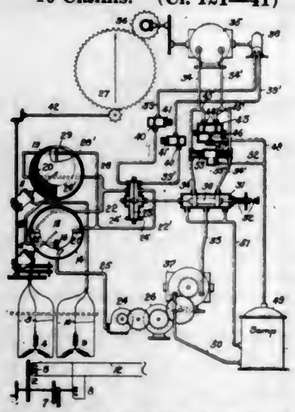
4. A guide for directing the movement of a filamentous material comprising an element through which the thread passes, at least one opening on the internal periphery of said element, means for passing a fluid medium through said opening whereby to radially direct the same against said thread, said opening being sufficiently large and being positioned in such a manner as to continuously exert a fluid force on said thread away from said guide whereby to prevent degrading contact of the thread with said guide.

2,191,792

ANTIHUNTING POSITIONAL CONTROL SYSTEM

Gilbert F. Hill, Ridgefield, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application February 13, 1937, Serial No. 125,541
10 Claims. (Cl. 121—41)



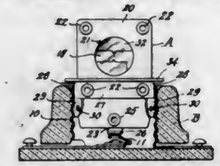
1. In a positional control system of the fluid pressure type, a controlling object, a controlled object, a fluid pressure motor for driving said controlled object, graduated control means for said motor giving control pressures proportional to the relative displacement of said controlling object with respect to said controlled object for driving said motor at a speed proportional to said relative displacement, a pump driven by said controlled object for lessening the action of said control means to effect the cutting off of the supply of fluid to said motor as synchronism is approached, far enough in advance of actual synchronism of said objects to compensate for the momentum of the controlled object.

2,191,793

ELECTRIC FUSE

Henry Jaedike, Brooklyn, N. Y.

Application February 7, 1939, Serial No. 255,024
6 Claims. (Cl. 200—130)



1. An electric fuse plug including a flat elongated laminated body structure comprising a flat metallic fusible strip, a pair of flat non-conductor side plates disposed on opposite sides of the fusible strip in covering relation therewith, resilient sheet metal contact members for engagement respectively with the opposite terminals of a plug type socket, one of said contact members having resilient wing portions located respectively at the opposite side edges of the body and the other having a resilient wing portion located at one end edge of the body and the wing portions of one contact member being disposed in parallel planes perpendicular to the plane of the body with the wing portion of the other contact member disposed in a plane perpendicular to the wings of the said first contact member and perpendicular to the body, and a common means for securing said contact members respectively to the opposite ends of the fusible strip and for holding the side plates in covering relation with the fusible strip.

2,191,794

RECOVERY OF MOLYBDENUM

Hans Käding, Leuna, Germany, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany, a corporation of Germany

No Drawing. Application June 25, 1937, Serial No. 150,264. In Germany June 27, 1936
10 Claims. (Cl. 23—22)

1. A process for the recovery of molybdenum from liquids containing the same, which comprises adjusting the hydrogen ion concentration in the liquid to a pH of about 2.5 to 7.5, intimately contacting the liquid for some time with lead sulphate, and then mechanically separating the solids from the liquid.

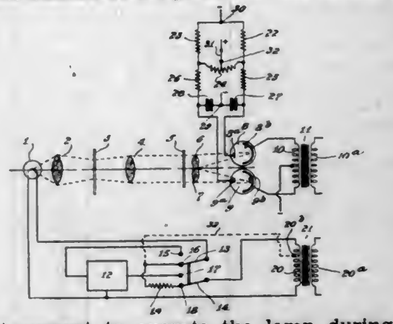
2,191,795

REPRODUCER FOR SOUND FILMS

Otto Kurt Kolb, Chiswick, London, England, assignor to British Acoustic Films Limited, London, England, a British corporation

Application October 5, 1938, Serial No. 233,383
In Great Britain January 19, 1938
7 Claims. (Cl. 179—100.3)

1. In sound film, reproducing and testing apparatus, an exciter lamp, dual photosensitive devices responsive to said lamp, a source of direct current, a source of alternating current, and circuit-changing means for alternatively applying to the exciter lamp alternating current to test the balance of the photosensitive devices and



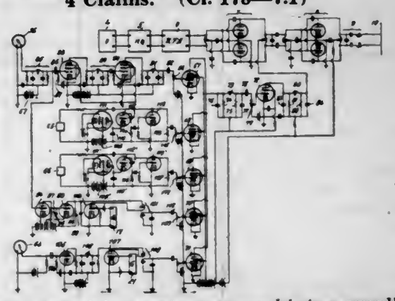
direct current to operate the lamp during reproducing.

2,191,796

TELEVISION COMBINING AMPLIFIER

Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Original application October 5, 1934, Serial No. 747,070. Divided and this application June 29, 1938, Serial No. 216,423
4 Claims. (Cl. 178—7.1)



1. In a television system, a combining amplifier comprising a first signal-translating channel including a vacuum tube, means for applying to the input electrode of said tube a signal voltage representing a component of a television signal aggregating a wide frequency band, a second signal-translating channel including a vacuum tube, means for applying to the input electrode of said last-mentioned tube a signal voltage representing a component of a television signal aggregating a wide frequency band, a common output circuit for both of said tubes comprising an electric wave filter having a substantially uniform impedance at all frequencies in said wide bands, said tubes being connected in parallel across said common output circuit, said impedance being of a value which is low relative to the anode-cathode impedance of each of said tubes, whereby the voltage developed across said impedance by each of said tubes is substantially independent of, and unaffected by, variations of the impedances of said tubes and whereby the instantaneous voltage developed across said output impedance is the sum of the instantaneous voltage outputs of both of said tubes.

2,191,797

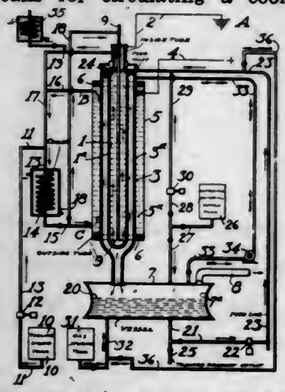
APPARATUS FOR TREATING MATERIAL WITH SILENT ELECTRIC DISCHARGES

George L. Matheson, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 19, 1935, Serial No. 17,364
2 Claims. (Cl. 204—31)

1. Apparatus for subjecting hydrocarbon ma-

terial to the action of silent electric discharge without causing an excessive rise in temperature which comprises two concentrically disposed tubular conducting metal electrodes, said electrodes being coated with solid organic dielectric materials adherent thereto so as to fully prevent any contact of material treated with said conducting electrodes, a jacket surrounding the outer electrode, a pipe extending into the inner electrode, means for circulating a cooling liquid

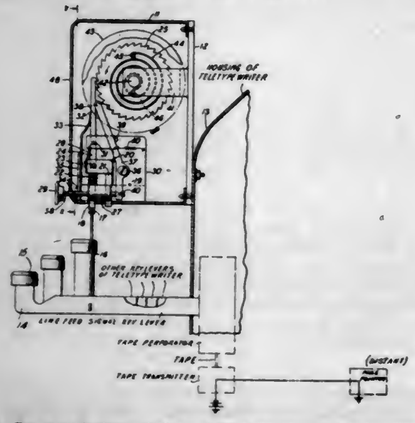


through the jacket and the inner electrode to maintain the electrodes and the organic dielectric materials at a uniform temperature, oscillating nozzles for introducing hydrocarbon material into the upper end of the annular space between the electrodes, means for insulating the jacket from the outer electrode, means for maintaining the annular space under vacuum, and means for recirculating the hydrocarbon material through the annular space.

2,191,798
PRINTING TELEGRAPH COUNTING APPARATUS

Thomas A. McCann, Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 19, 1938, Serial No. 208,900
4 Claims. (Cl. 178—17)

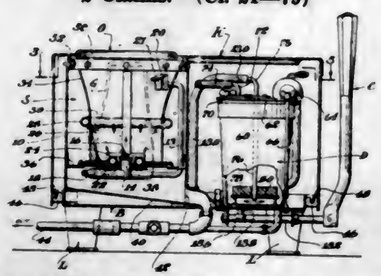


1. In a printing telegraph system, a tape printer, a source of signal potential connected to said tape printer, a page printer, a signal transmission medium interconnecting said printers, a line-feed signal key forming a part of said tape printer for causing a line-feed signal to be sent from said source to said page printer, and a counting device connected to said tape printer and mechanically operated by said line-feed signal key for counting the line-feed signals transmitted to said page printer.

2,191,799
STERILIZATION

William H. McKenna, Erie, Pa., assignor to McKenna-Rott Equipment Corp., New York, N. Y., a corporation of New York

Application April 22, 1936, Serial No. 75,694
2 Claims. (Cl. 21—79)



2. A sterilizer having a sterilizing compartment, a water supply pipe, a pair of pipes branching off from said water supply pipe, a valve associated with each of said branch pipes, and adapted to open or close its associated branch pipe, a single means for opening and closing said valves alternately, one of said branch pipes leading into means for charging the water thereof with a chemical sterilizing agent, means for discharging the chemically charged water into said sterilizing compartment communicating with said chemical charging means, the other of said branches leading into means for raising the water therein to a sterilizing temperature, and means for leading the heated water from said heating means to said sterilizing compartment and discharging it thereinto.

2,191,800
AZO COMPOUNDS

Arthur R. Murphy, deceased, late of Penns Grove, N. J., by Margaret R. Murphy, administratrix, Penns Grove, N. J., and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 23, 1937, Serial No. 161,037
7 Claims. (Cl. 260—160)

7. The process which comprises coupling two molecular proportions of a 1-(amino-phenyl)-5-pyrazolone carboxylic acid to one molecular proportion of a fully diazotized compound of the type

$$H_2N-Aryl_2-(Z)_{n-1}-Aryl_2-NH_2$$
$$\quad\quad\quad

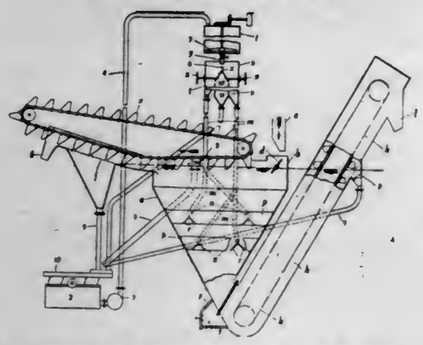
in the groove and with the edges of the panel abutting against the stiles and rails at the bottom of the groove, and diagonal brace strips oppositely inclined on opposite sides of the panel and secured against the inner faces of opposite sides of the frame structure.

2,191,805

SEPARATION OF SOLID MATERIALS OF DIFFERENT SPECIFIC GRAVITIES

Andrew Pearson, Aldwych, London, England, assignor to Huntington, Heberlein & Company, Limited, Aldwych, London, England, a British joint-stock company

Application November 24, 1937, Serial No. 176,365
In Great Britain December 8, 1936
5 Claims. (Cl. 209—173)



1. Apparatus for the separation of solid materials of different specific gravities by sink-and-float method, comprising a separating vessel for containing a body of heavy liquid, means for feeding solid materials to said vessel for separation, means for removing separated products of such materials from said vessel, inlets for heavy liquid disposed on the wall of said vessel at a plurality of levels below the feed entry for solid materials, said levels being in both the upper and lower halves of said vessel, means for continuously supplying heavy liquid to said inlets so that both halves of the vessel are supplied with said liquid, plates sloping downwardly and away from said wall from a point above to a point below said inlets for spreading said supply of heavy liquid and inclined plates mounted in the space between the downwardly sloping plates and said wall and with the apex of the plates adjacent and below an inlet for assisting the spreading action.

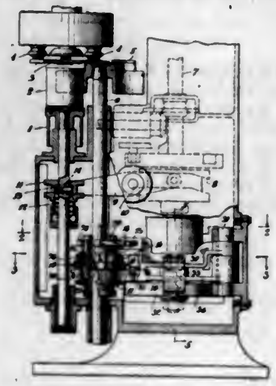
2,191,806

DIAL FEED MECHANISM

Leonard F. Peyser, Mount Vernon, and Richard C. Hansen, Eastchester, N. Y., assignors to Peyser-Hansen Machine Co., Inc., Mount Vernon, N. Y., a corporation of New York

Application March 21, 1939, Serial No. 263,148
4 Claims. (Cl. 113—115)

1. In a dial feed mechanism in which a dial feed shaft is intermittently turned a fraction of a revolution in one direction only: a driving ratchet mounted fast on the shaft, an indexing ratchet, also mounted fast on the shaft; a driving pawl to engage the driving ratchet; an oscillatory transmission member, to actuate the driving ratchet, mounted loosely on the shaft; an indexing pawl, to engage the indexing ratchet, mounted independently of the shaft and transmission member; and means to move the indexing pawl out of and into the path of the indexing ratchet to thereby allow the driving pawl to move the



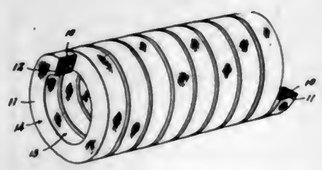
driving ratchet and to limit the movement of the driving ratchet.

2,191,807

METHOD OF PRODUCING A PACKING FOR STUFFING BOXES OR THE LIKE

Chester M. Roe, Hasbrouck Heights, N. J.

Original application August 3, 1936, Serial No. 93,992. Divided and this application February 2, 1938, Serial No. 188,301
1 Claim. (Cl. 154—2)



The method of producing a packing of the character described consisting in forming an elongated flexible fibrous body of substantially circular cross sectional configuration, locating at the periphery thereof a co-extensive, continuous, tenacious, deformable sealing element of substantially circular cross sectional configuration, surrounding the said body and sealing element with a flexible tubular casing, compressing the assemblage into rectangular form in cross section so that the sealing element becomes angulated in form and is located at a corner formed by two faces of the rectangular-shaped assemblage, and winding the compressed assemblage into annular form so as to dispose the sealing element adjacent the juncture of the inner periphery with a lateral side edge thereof.

2,191,808

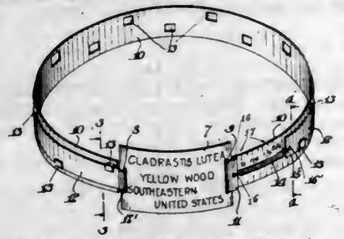
TREE MARKER

Jacob R. Schramm, Philadelphia, Pa.

Application December 9, 1939, Serial No. 308,365
3 Claims. (Cl. 40—21)

1. A tree marker comprising a plate provided with appropriate indicia, and a composite band support therefor comprising two flexible band elements, one slidable upon the other, one end of one band element secured to the plate near one of its side margins, one end of the other band element secured to the plate near its other side

margin, and resilient means, effective between the free end of one band element and the adjacent



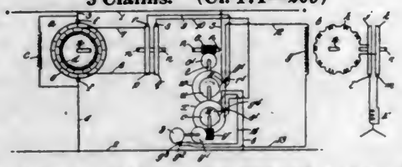
side margin of the plate, tending to contract the total circumference of the composite band.

2,191,809

DYNAMO ELECTRIC MACHINERY

Donald Orr Sproule, London, England, assignor of one-third to Arthur Joseph Hughes, Essex, England, and one-third to Henry Hughes & Son Limited, London, England, a British limited liability company

Application March 21, 1939, Serial No. 263,153
In Great Britain March 16, 1938
5 Claims. (Cl. 171—209)



1. An electrical impulse generator comprising a revoluble inductive winding, means to revolve said inductive winding, means to derive from said inductive winding current impulses generated therein, a field winding, a circuit for said field winding, a source of direct current, a source of alternating current of a maximum potential equal to the potential of said direct current, first switch means for connecting said source of direct current to said field winding circuit, second switch means for connecting said source of alternating current to said field winding circuit, and control mechanism coupled to said driving means for periodically actuating said first and second switch means in a predetermined rhythm so as to first close said first switch means thereby magnetizing said field winding, then after a predetermined interval close said second switch means at the moment when the alternating current is at its maximum while the first switch means is still closed, then open said first switch means, and finally open said second switch means when the alternating current is at zero and the field winding has become demagnetized.

2,191,810

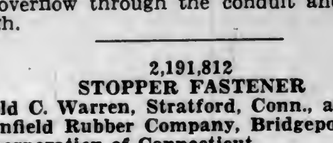
METHOD OF SENSITIZING PHOTOGRAPHIC SILVER HALIDE EMULSIONS

René Stevens, Antwerp, Belgium, assignor to Gevaert Photo-Producten N. V., Antwerp, Belgium

Original application June 28, 1935, Serial No. 28,870. Divided and this application February 13, 1936, Serial No. 63,737. In Austria July 21, 1934
5 Claims. (Cl. 95—7)



1. As a photographic material, a silver halide emulsion with an addition of a dyestuff of the general formula



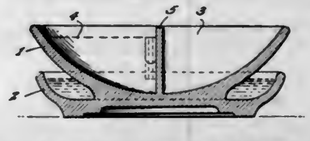
wherein R is a member of the group constituted by methyl and ethyl, while Y and Y' are alkyls, "An" is an anion, X is a member of the group constituted by sulphur, oxygen and selenium and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five- and six-membered heterocyclic nuclei; *n* being zero or an integer.

2,191,811

FOOD AND WATER DISH FOR ANIMALS

Charles R. Trampier, Sr., St. Louis, Mo.

Application May 2, 1939, Serial No. 271,385
1 Claim. (Cl. 119—51)



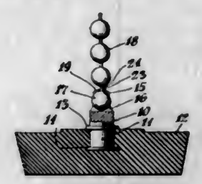
An animal's dish comprising a bowl, a trough surrounding the lower portion of said bowl, a partition extending horizontally through the bowl and dividing the bowl into a food compartment and a water compartment, and a conduit extending vertically through the wall of the bowl with its lower portion extending downwardly therefrom externally of the bowl and into the trough, the upper portion of the conduit projecting upwardly from the wall along a side of the partition with its upper end terminating in downward spaced relation to the upper edge of the partition whereby water may accumulate in the water compartment to a predetermined depth and overflow through the conduit and fill the trough.

2,191,812

STOPPER FASTENER

Harold C. Warren, Stratford, Conn., assignor to Canfield Rubber Company, Bridgeport, Conn., a corporation of Connecticut

Application August 31, 1938, Serial No. 227,624
5 Claims. (Cl. 4—295)

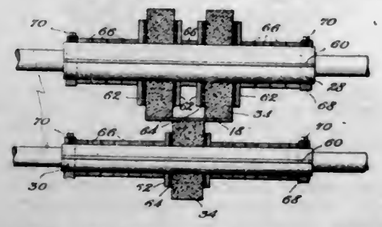


1. A fastening device for connecting a chain having beads and connecting links to plumbing fixtures, comprising a coupling member adapted to be fixed in said plumbing fixture with one end disposed outwardly of said fixture and having a transverse bore adjacent said one end for receiving a bead and a slot extending at least partially across said one end for receiving the link adjacent the bead, said slot being of less width than the thickness of said link.

2,191,813
ELECTRODEPOSITION OF NICKEL FROM AN ACID BATH
Henry Brown, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application December 1, 1939, Serial No. 307,060
31 Claims. (Cl. 204—14)

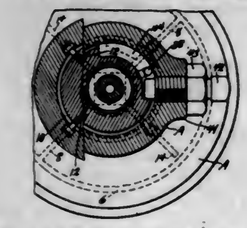
1. A method for electrodepositing nickel to obtain a fine grained lustrous deposit comprising the step of electrodepositing nickel from an aqueous acid nickel solution comprising essentially a material selected from the group consisting of nickel sulphate, nickel chloride, and a mixture of nickel sulphate and nickel chloride, in the presence of a compound soluble in the acid nickel solution and containing the group $-SO_2.N=$.

2,191,814
AUTOMATIC STRIP GRINDER
Herman Morissey Brown, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application August 26, 1938, Serial No. 226,851
14 Claims. (Cl. 51—87)



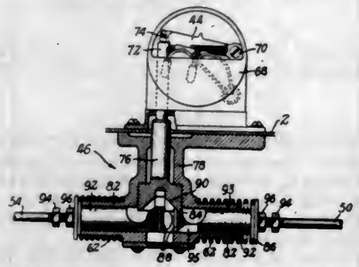
6. A strip grinding apparatus comprising a first rotatable grinding means adapted to grind spaced bands running along one surface of a strip of metal to be ground, a second rotatable grinding means adapted to grind the other surface of said strip opposite the bands left unground by said first grinding means, means to adjust the distance between the grinding means on opposite sides of the strip, and means for producing relative motion between the strip and the grinding means longitudinally of the strip whereby the strip is progressively ground.

2,191,815
LUBRICATED TANK VALVE
Robert Clade, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application November 6, 1937, Serial No. 173,067
11 Claims. (Cl. 137—21)



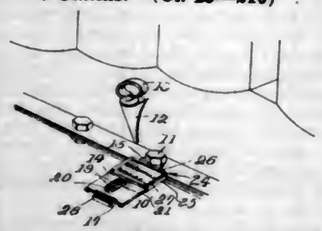
1. A lubricated valve for tank cars and the like comprising a plug secured to the bottom of the tank, a valve body surrounding and resting upon said plug, lubricant passages in said plug, retaining means holding said body and plug in engagement, and means for forcing lubricant into said passages through said retaining means.

2,191,816
ELECTRICAL CONTROL APPARATUS
Kurt H. Conley, Bridgeport, Conn., assignor, by mesne assignments, to Entoleter Company, Inc., a corporation of New Jersey
Application October 29, 1937, Serial No. 171,650
12 Claims. (Cl. 21—102)



8. In apparatus for operating a switch which is normally biased toward one of its positions, the combination of, a mounting frame having a vertical bore therein with an enlarged portion at its lower end, a switch-operating plunger snugly fitting within said bore and having an enlarged portion which limits its upward movement within said bore, a plurality of cam elements each having a cam portion which is adapted to engage the enlarged portion of said plunger member to move said plunger member to its extreme upper position, and a plurality of spring members one of which is associated with each of said cam elements to tend to move its cam element into engagement with said plunger member.

2,191,817
GAUGE ROD WIPER
Frederick L. Shelor, Sandston, Va., assignor to Davis Manufacturing Company, Richmond, Va.
Application March 23, 1937, Serial No. 132,601
7 Claims. (Cl. 15—210)



6. A gauge rod wiper comprising a flat supporting member adapted to be secured to an engine and having an opening therethrough, said supporting member having the longitudinal edges thereof curled to provide opposed flanges forming trackways, a housing member having the edges thereof disposed in said trackways to permit sliding movement thereof on said supporting member, said housing member having an opening therein adapted to be aligned with the opening in said supporting member, a pair of absorbent pads disposed in said housing member and having edges thereof abutting in the region of the opening therein, said pads being maintained within said housing member by said supporting

member when the openings are aligned, a closure member having the edges thereof curled to overlie the flanges on said supporting member to permit sliding movement of the closure member relative thereto for closing the opening in said supporting member, and a shoulder at one edge of said supporting member for providing a stop to limit the movement of said closure member.

2,191,818
SUBSTANCE HAVING TANNING ACTION AND PROCESS OF PRODUCING THE SAME
Edmund Stiasny, Helsingborg, Sweden, assignor, by mesne assignments, to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 28, 1937, Serial No. 182,158. In Germany January 27, 1937
16 Claims. (Cl. 260—70)

1. The process of producing substances having tanning action, which comprises treating a sulphonic acid of a polynuclear aromatic hydrocarbon with urea and formaldehyde and improving the water-solubility of the resulting product by the action of an aromatic sulphonic acid and formaldehyde.

2,191,819
TREATMENT OF MANGANESE ORE
Thomas B. Albin, Mercer Island, Wash.
No Drawing. Application April 25, 1938, Serial No. 204,141
17 Claims. (Cl. 75—1)

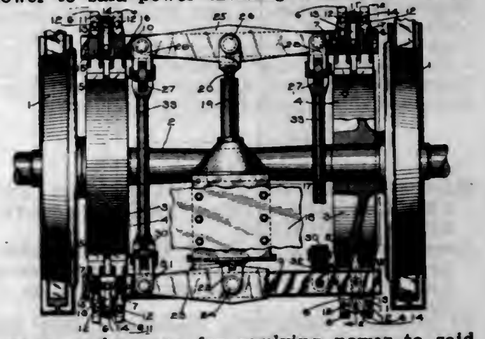
1. The process of increasing the availability of manganese in a manganese silicate ore in which the manganese is largely in the divalent form, comprising: comminuting said ore, and increasing the constituent oxygen in the manganese silicate in said ore by means of an oxidizing roast.

2,191,820
PROCESS FOR THE PREPARATION OF 2-NITRONAPHTHALENE - 4,8 - DISULPHONIC ACID
Filippo Beretta, Milan, Italy, assignor to "Montecatini" Società Generale per l'Industria Mineraria e Chimica, Milan, Italy, a corporation of Italy
No Drawing. Application October 31, 1938, Serial No. 238,076. In Italy November 8, 1937
4 Claims. (Cl. 260—505)

1. The process of manufacture of 2-nitronaphthalene-4,8-disulphonic acid, in which the 1,5-naphthalenedisulphonic acid is subjected to an anhydrous nitration.

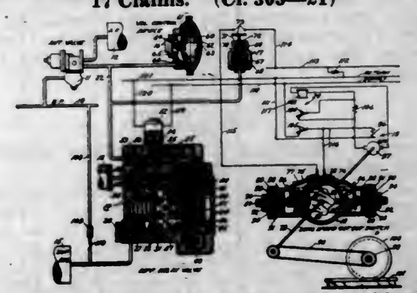
2,191,821
BRAKE RIGGING
Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 28, 1938, Serial No. 210,721
15 Claims. (Cl. 188—58)

1. In a brake mechanism, in combination, a brake drum, a plurality of brake elements arranged side by side exteriorly of said brake drum and movable into frictional braking engagement with the drum, each of said elements comprising a brake head, power dividing and transmitting means extending between and directly connected to the brake heads of said elements and operative to move the elements into engagement with the drum, and to equalize the power transmitted to each brake element, a brake beam for applying power to said power dividing and transmitting



means, and means for applying power to said brake beam.

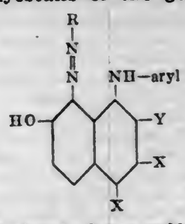
2,191,822
SPEED CONTROLLED BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 6, 1937, Serial No. 173,169
17 Claims. (Cl. 303—21)



1. In a vehicle brake system, in combination, an electrically operated valve device operative upon a variation of energization thereof to vary the degree to which the brakes may be applied, an electric relay device for controlling the energization of said electrically operated valve device, an electric generator driven according to the speed of the vehicle for supplying current to energize said relay device, and means controlled by said relay device for controlling the degree of energization thereof by the electric generator.

2,191,823
AZO DYESTUFFS
Richard Fleischhauer and Adolf Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 8, 1939, Serial No. 278,084. In Germany June 9, 1938
4 Claims. (Cl. 260—198)

1. The azo dyestuffs of the general formula:



wherein one X stands for a sulfonic acid group

and the other X stands for hydrogen, R stands for a member selected from the group consisting of aromatic radicles of the benzene and naphthalene series, Y stands for a member selected from the group consisting of hydrogen and —N=N—R, and aryl means a radicle of the benzene series, which dyestuffs dye animal fibers various shades of good fastness properties.

2,191,824

MANUFACTURE OF AZO DYESTUFFS AND PROCESS OF DYEING TEXTILE MATERIALS THEREWITH

Hans Krzikalla and Wolfgang Alt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application December 3, 1937, Serial No. 177,916. In Germany December 29, 1936

7 Claims. (Cl. 8—22)

1. Azo dyestuffs corresponding to the general formula

$$\left[A_1\text{—N=N—}A_2\text{—CONH}\right]_m\text{—D}$$

wherein A_1 stands for an aromatic radicle, A_2 for the radicle of an ortho-hydroxyaryl carboxylic acid amide, m for a whole number up to 2, and D for an aryl radicle substituted at least once in the aryl nucleus by a group of the formula

$$\text{O—}\left[\text{R—O}\right]_n\text{—H}$$

wherein R represents a low molecular alkylene radicle and n a whole number.

7. A process of producing fast dyeings on textile material containing both wool and viscose artificial silk which comprises applying to said material an ortho-hydroxyaryl carboxylic arylide capable of being coupled and being substituted at least once in an aryl nucleus of the arylide radicle by a group of the formula

$$\text{O—}\left[\text{R—O}\right]_n\text{—H}$$

in which R represents a low molecular alkylene radicle and n a whole number, converting said arylides into azo dyestuffs by treatment with diazotized aromatic amines.

2,191,825

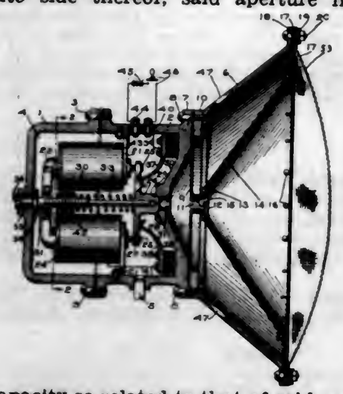
ELECTROPNEUMATIC SIGNAL DEVICE

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 6, 1937, Serial No. 119,198

3 Claims. (Cl. 177—7)

1. A sound producing device comprising a vibratory diaphragm having at one side a chamber and adapted to be vibrated by successive increases in fluid pressure in said chamber, a source of gaseous fluid under pressure, valve means controlling a communication through which fluid under pressure is adapted to be supplied from said source to said chamber, electromagnetic means operative upon energization to effect movement of said valve means to a position for opening said communication and upon deenergization to effect movement of said valve means to another position for closing said communication, and means operative in one position of said valve means to effect energization of said electro-magnetic means and in the other position to effect deenergization of said electro-magnetic means, said diaphragm having an aperture connecting said chamber to the atmosphere at the opposite side thereof, said aperture having a



flow capacity so related to that of said communication as to cause a differential of fluid pressures to be established on said diaphragm when said communication is open.

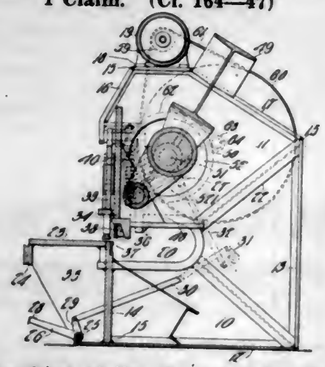
2,191,826

SHEARS AND THE LIKE

Cyril J. Bath, Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio

Application November 7, 1936, Serial No. 109,700

1 Claim. (Cl. 164—47)



In a machine of the character described, the combination of a frame having a shear blade thereon, a member carrying a cooperating blade and reciprocable on said frame, a power shaft mounted on said frame at one side of said member, means on said shaft for actuating said member, a shaft on said member adjacent the blade thereon, a link connecting said means with the last mentioned shaft and so arranged that the direction of the force applied on the operating stroke is substantially on a line through the meeting edges of said blades and at an angle to the path of movement of said member.

2,191,827

APPARATUS FOR APPLYING LIQUID TO FABRIC

Raymond C. Benner and Romie L. Melton, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application April 12, 1934, Serial No. 720,262

2 Claims. (Cl. 91—44)

1. Apparatus for applying a liquid sizing material to an abrasive coated web, comprising spaced-apart electrodes, one of said electrodes being covered with a poorly conducting material, which permits a leakage current to flow therethrough but is of sufficient resistance to prevent arcing or spark-over between said electrodes, means for applying a high electrical potential difference between said electrodes to produce an



electrostatic field therebetween, means for passing an abrasive coated web between said electrodes, means for introducing finely divided droplets of liquid sizing material into the space between the abrasive coated side of said web and one of said electrodes, said apparatus being adapted to electrostatically propel the liquid droplets into engagement with the abrasive coated surface of the web.

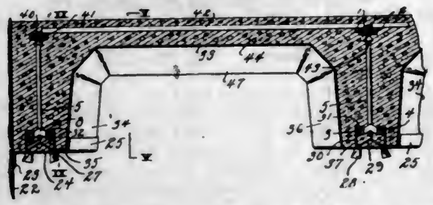
2,191,828

SUSPENDED CONSTRUCTION

Henry G. Bruehlman, Toledo, Ohio

Application April 25, 1938, Serial No. 204,110

3 Claims. (Cl. 72—66)



1. Horizontally extending construction comprising reinforcing bar joist skeletons in parallel, downwardly open channel means having one leg terminating in a trough and the other leg of the channel terminating in a stop, and clip means from the trough adapted to engage a skeleton thereby to hold the channel at the trough in position as to the skeletons as the companion leg of the channel is shifted to have its stop rest in the trough as at an adjacent skeleton.

2,191,829

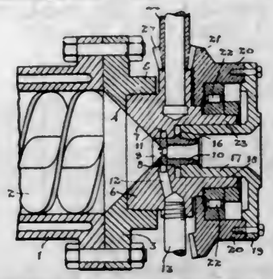
MEANS FOR MAKING STRIPED RUBBER ROPE

John H. Johnson, Toronto, Ontario, Canada, assignor to The K & W Rubber Corporation, Delaware, Ohio

Application July 12, 1937, Serial No. 153,076

7 Claims. (Cl. 18—13)

1. A machine for making striped rubber rope comprising a pressure cylinder formed with a chamber converging at one end to a die opening, the wall of said die opening having an annular feed channel therein, a cylindrical die fitted in said die opening and having sealing engagement with the wall of the die opening at each side of said annular feed channel, said die having an axial extrusion orifice and a plurality of radial passages communicating with said annular channel between said points of sealing engagement and leading inwardly to said extrusion orifice, means within said pressure cylinder for forcing rubber material through the extrusion orifice of said die,



and means for forcing rubber material into said annular channel and through said radial passages.

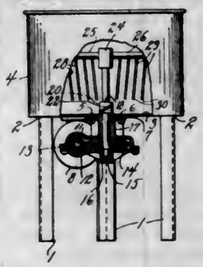
2,191,830

MIXING APPARATUS

John S. Leedy, Adrian, Mich.

Application September 18, 1939, Serial No. 295,366

1 Claim. (Cl. 259—107)



A cylindrical vessel having a bottom for supporting a charge of loose particles of material to be mixed and stirred, a shaft extending centrally through said bottom, a radially extending lifting blade rigidly mounted on the shaft concentrically of the vessel adjacent said bottom with a clear region thereover, a drive for effecting relative rotation between the blade and vessel bottom, and a stationary comb above said clear region, said comb retarding the rotation of the material by having a pitch downward and inward in the direction of the material travel and to a slight degree effecting pulling of the material away from circumferential accumulation in response to rotation by the blade when such material is forced upwardly across the radial clearway above the blade.

2,191,831

MANUFACTURE OF DI-(4-HYDROXY-PHENYL)-DIMETHYL METHANE

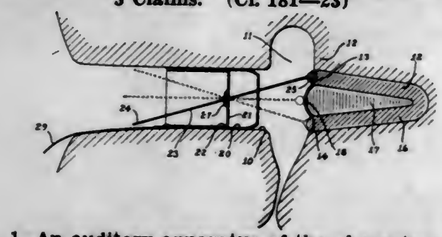
Ralph P. Perkins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 31, 1938, Serial No. 211,042

3 Claims. (Cl. 260—619)

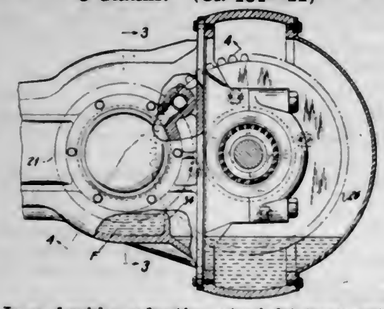
1. In a method of making diphenylolpropane by reacting phenol with acetone, the step of carrying the reaction out in the substantial absence of solvents, i. e. in the presence of less than 10 per cent by weight of solvent, employing at least 3 molecular equivalents of phenol per mole of acetone in the reaction mixture and using substantially anhydrous hydrogen chloride to promote the reaction.

2,191,832
AUDITORY APPARATUS
Augustus Grote Pohlman, Los Angeles, Calif.
Application February 13, 1939, Serial No. 256,246
3 Claims. (Cl. 181—23)



1. An auditory apparatus of the character described adapted for use by a person lacking a natural ear drum membrane and the ossicle chain of the middle ear, said apparatus comprising a tubular support of substantial length in the direction of the bony external auditory canal and adapted to fit in the bony external auditory canal, a diaphragm extending across and fixed to said support, a flexible stem extending through said diaphragm and having a vibration conducting engagement with the portion of said diaphragm through which it passes, said stem having an outwardly projecting portion adapted to be moved by hand to adjust the stem with respect to the diaphragm and having a bead on its inner end adapted to contact a yieldable sound receptive area of the wall of the inner ear.

2,191,833
AUTOMOTIVE DRIVE AXLE
Robert C. Russell, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 1, 1937, Serial No. 177,555
3 Claims. (Cl. 184—11)



1. In a double reduction straight type automotive drive axle, the combination of an axle housing, a differential carrier housing detachably fixed to said axle housing and forming with said axle housing a lubricant reservoir, a ring gear and differential assembly having an annular surface thereon rotatably supported in said differential carrier housing with the lower portion of said annular surface extending below the normal level of the lubricant in said reservoir, a pinion and bevel gear countershaft assembly rotatably supported in said differential carrier housing at one side of said ring gear and differential assembly with the pinion thereof in mesh with said ring gear, said bevel gear being smaller than said ring gear and offset axially from said ring gear but overlapping the latter, a vertical web in the lower portion of said differential carrier housing offset from said ring gear and differential assembly on the countershaft assembly side and adapted to form an auxiliary lubricant reservoir underneath the bevel gear of said countershaft assembly, a lubricant scraper carried by said differential carrier housing and yieldably urged into engagement with said annular surface of said ring gear and differential assembly, and means for conducting lubricant from said scraper to said auxiliary reservoir.

2,191,834
ELASTIC HORSESHOE PAD
Daniel B. Slack, Westerville, Ohio
Application April 9, 1938, Serial No. 201,137
5 Claims. (Cl. 168—28)



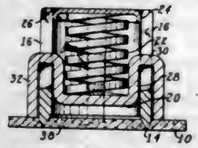
1. An elastic pad for horses' feet comprising a flat resilient body conforming in outline to a horse hoof, registering enlargements formed integrally with the top and bottom surfaces of said body, the thickness of said enlargements decreasing from the rear of said body to the center thereof, the enlargement on the top being narrower than said body and having inwardly inclined side surfaces.

2,191,835
FOOD PROCESS AND PRODUCT
Marjorie G. Snelling Allentown, Pa.
No Drawing. Application September 24, 1936, Serial No. 102,398
4 Claims. (Cl. 99—100)

1. In making an improved food product, the method which comprises soaking units of a water-insoluble cellular solid food separately in an aqueous solution of a non-poisonous calcium compound and in an aqueous solution of a non-poisonous agent adapted to form with the said calcium compound a water-insoluble assimilable precipitate, the units being washed with water after soaking in one of the solutions and before soaking in the other solution, so as to remove solution of the kind first used from the surface portions of the said units.

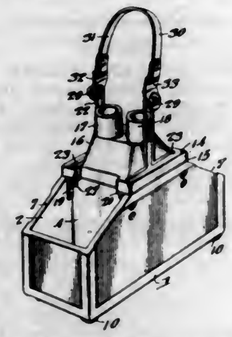
4. As an article of manufacture, cellular food containing within the tissue thereof a water-insoluble assimilable non-crystalline compound of calcium and a non-poisonous radical, the said compound in the food being non-crystallizing over a substantial period of time and the proportions of calcium and said radical being substantially in excess of any amount thereof occurring naturally in the said food.

2,191,836
SELF-CLEANING PUNCH
David E. Stromberg and Joseph E. Carlson, Detroit, Mich.
Application September 23, 1938, Serial No. 231,297
13 Claims. (Cl. 164—110)



1. A punch comprising a tubular body having a cutting edge at one end and having slots extending lengthwise of the body terminating spaced from said cutting end, ejector mechanism having a knock out portion disposed within the body and provided with supports extending through said slots and slidable lengthwise thereof and adapted to support said knock out portion within the body when the supports are seated within the ends of the slots adjacent to the cutting end of the body, spring means acting upon said ejector mechanism to yieldingly urge said knock out supports to seat within said slots, said knock out supports having legs disposed exteriorly of the body and of a length to extend beyond the cutting end of the body when the knock out supports are seated within said slots.

2,191,837
BATTERY SERVICING KIT
Joseph C. Thomas, Akron, Ohio, assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application March 18, 1937, Serial No. 131,741
2 Claims. (Cl. 224—45)



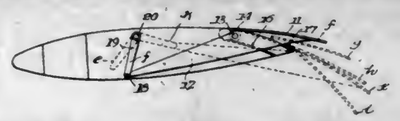
1. A battery servicing kit comprising, a body portion of molded material resistant to battery acid having unitarily therein at the ends compartments to contain servicing implements and parts and centrally a molded in chamber for battery servicing liquid, a cover for said chamber having an opening to give access to the liquid chamber and provided with spaced fastening receiving openings, parts on the body portion having openings aligned with the fastening receiving openings, hooks having portions abutting the upper side of said cover and other portions passing and secured through the aligned openings by means abutting the lower sides of said parts of the body portion to clamp said cover in place and mount the hooks at spaced apart points on the body, and a handle carrier having loop openings fitted on said hooks.

2,191,838
PREPARATION OF HOP EXTRACT
Louis Anton Freiherr von Horst, Coburg, Thuringia, Germany
No Drawing. Application January 31, 1938, Serial No. 187,966. In Germany February 4, 1937
5 Claims. (Cl. 99—50.5)

1. In a process for preparing hop extract, the step which consists in effecting the extraction with a suitable organic solvent in an atmosphere of carbon dioxide.

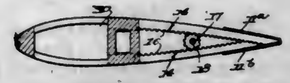
2,191,839
FLAP-TRAILED AIRFOIL
Edward F. Zap, West Chester, Pa.
Application December 22, 1937, Serial No. 181,214
6 Claims. (Cl. 244—42)

1. In an airplane, the combination of a thick stationary airfoil and a thin displaceable flap in upward and rearward relation thereto forming an angle with the rear portion of the upper surface



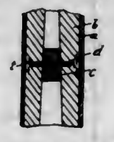
of said airfoil, the leading edge of the flap being in substantially spanwise direction and movable substantially chordwise in intimate sliding contact with said surface.

2,191,840
AERODYNAMIC CONTROL DEVICE
Edward F. Zap, West Chester, Pa.
Application December 22, 1937, Serial No. 181,215
5 Claims. (Cl. 244—75)



1. In an aircraft, means for steering the same including a stationary thick airfoil, a first thin panel adjacent the rear and in gliding contact with one side of the airfoil and mounted for fore-and-aft movement beyond the trailing edge of the airfoil along a first predetermined path, a second thin panel adjacent the rear and in gliding contact with the other side of the airfoil and mounted for fore-and-aft movement beyond the trailing edge of the airfoil along a second predetermined path, said two paths intersecting with each other in rear of the airfoil, and unitary control means in engagement with the two panels for selectively shifting either the first or the second panel along its predetermined path.

2,191,841
ROCKET
Rudolf Zwerina, Vienna, Austria
Application March 17, 1938, Serial No. 196,522
In Austria March 27, 1937
3 Claims. (Cl. 102—23)

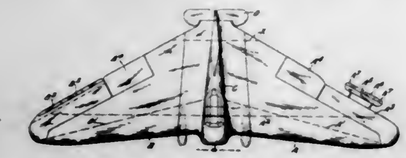


1. In a rocket, a sleeve, a tubular shaped firing charge arranged within said sleeve so as to provide a central tubular opening within the sleeve, a plug formed of combustible material arranged within said opening, and said plug having means associated therewith for preventing the firing charge laterally of the plug from burning through prior to the burning of the longitudinal dimension of the plug.

2,191,842
AIRPLANE AND CONTROL APPARATUS THEREFOR
William Edward Back, Oulton Broad, Suffolk, England
Application March 8, 1938, Serial No. 194,663
In Great Britain March 13, 1937
9 Claims. (Cl. 244—75)

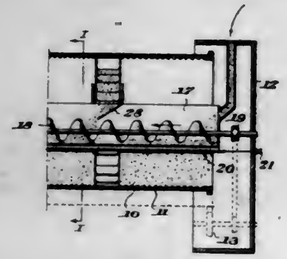
1. An airplane including in combination main

wings having parts where the centre of pressure is in advance of the centre of gravity and parts where the centre of pressure is in rear of the centre of gravity of the airplane, ailerons on the



trailing edges of parts of the main wings where the centre of pressure is in advance of the centre of gravity, and governing planes rigidly connected to the trailing edges of the ailerons so as normally to lie in equilibrium in the air stream.

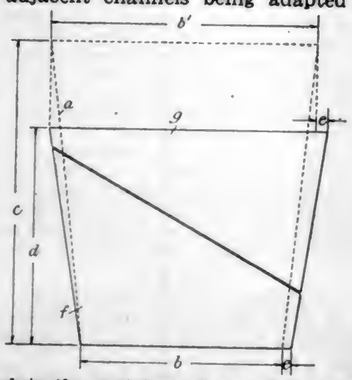
2,191,843
GRAIN-SORTING MACHINE
Frédéric Bertrand Bloc, Dijon, France, assignor to Societe de Anciens, Etablissements Lhuillier, Dijon, France, a corporation
Application October 13, 1936, Serial No. 105,423
In France October 30, 1935
1 Claim. (Cl. 209—95)



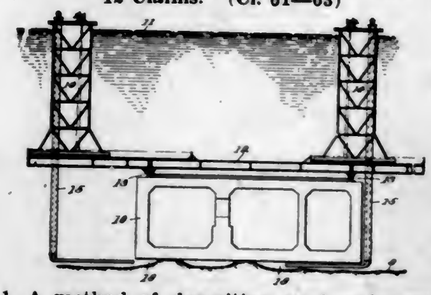
A grain sorting machine comprising, in combination, a horizontal and continuous rotary cylinder with recesses in its inner wall, means for feeding and distributing the grain continuously over the whole length of the cylinder, means located in the upper part of the interior of the cylinder and extending horizontally throughout the length of the cylinder to catch short grains, and a horizontally extending trough located in the lower part of the interior of the cylinder and having a horizontal collecting edge spaced from the interior of the cylinder a distance sufficient to permit the long grains to be carried above the same and extending slightly above the bottom generator of the cylinder to catch the long grains which are too large to remain in the recesses of the cylinder when the same are carried above said trough.

2,191,844
TYPOGRAPHICAL COMPOSING MACHINE
Hermann Brandenburg, Berlin-Tempelhof, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application November 17, 1939, Serial No. 304,907
In Germany November 4, 1938
8 Claims. (Cl. 199—44)

1. A magazine for the storage of a font of typographical matrices, of less than standard length, and greater than standard width and having a plurality of channels in each of which matrices are stored one above another, at least three adjacent channels being adapted to accommodate the matrices of one of the most frequently used characters of the font.



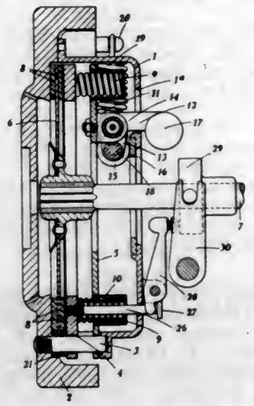
2,191,845
DEPOSITING OF SAND UNDER WATER
Aage Einer Bretting, Copenhagen, Denmark, assignor to Christiani & Nielsen, Copenhagen, Denmark, a registered Danish firm
Application December 1, 1937, Serial No. 177,636
In the Netherlands December 7, 1936
12 Claims. (Cl. 61—63)



1. A method of depositing sand under water which comprises subjecting a mixture of sand and water to pressure so as to direct said mixture in a direction approximately parallel to the bed on which said sand is to be deposited and at the same time establishing a suction flow in a direction approximately parallel to said bed.

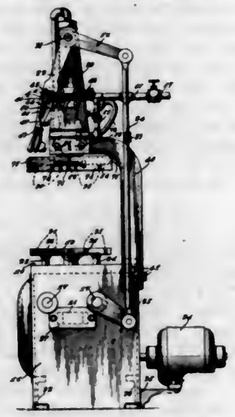
2,191,846
FRICTION CLUTCH
George Carwardine, Bath, England
Application June 22, 1937, Serial No. 149,788
In Great Britain June 25, 1936
9 Claims. (Cl. 192—105)

1. A friction clutch comprising in combination, frictionally-engaging parts, a movably-mounted member for transmitting engaging force to said parts, a first elastic force unit interposed between said member and one of said frictionally-engaging parts, a second elastic force unit having a lower rate than said first elastic force unit and comprising a converter mechanism organized to convert the falling force characteristic of a relaxing elastic member into a rising force effort and in operative connection with said movably-mounted member, and centrifugal means for supplementing the action of said converter mechanism and for rendering same operative upon said movably-mounted member to take part, in conjunction with said centrifugal means, in storing energy in said first elastic force unit and so to



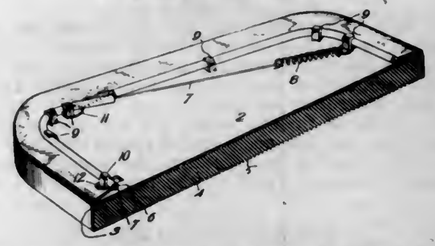
bring said frictionally-engaging parts into engagement at a predetermined speed of rotation.

2,191,847
MOLDING MACHINE
Ashby C. Collins and William W. Collins, Birmingham, Ala.
Application October 26, 1938, Serial No. 237,109
4 Claims. (Cl. 25—41)



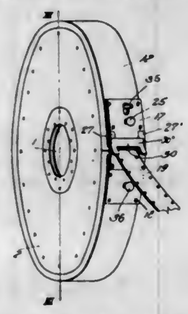
1. A molding machine including a frame, a base plate extending horizontally from the frame, a mold table above the base plate, a striking arm pivoted to the frame below the base plate, a power driven cam adapted to rock the striking arm in a vertical plane, a shaft depending from the mold table and slidably projecting through the base plate into the path of movement of the striking arm for vibrating the mold table, horizontally disposed shafts mounted on the frame below the base plate, cams fixed to the shafts, pins slidably mounted in the base plate and adapted to engage the cams and the underside of the mold table, a lever carried by the frame and connected to the shafts for setting the cams in a predetermined position to control the degree of vibration of the mold table, columns extending above said frame and terminating in horizontally disposed upper ends overhanging the mold table, a cap plate suspended from said upper ends of the columns, pneumatic means for holding said cap plate in position to tamp material during the vibratory moulding thereof by the mold table, spring pressed plates disposed upon the bottom face of the cap plate and adapted to contact the material being molded, and pneumatic means for prying said sliding plates away from each other to break the cap plate away from the material being molded.

2,191,848
SEAT COVER
Roy A. Cramer and Jesse F. Cramer, Kansas City, Mo.
Original application October 31, 1939, Serial No. 302,198. Divided and this application December 29, 1939, Serial No. 311,672
3 Claims. (Cl. 155—182)



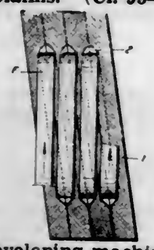
1. A chair seat comprising a seat support having a plurality of spaced downwardly extending lugs, a resilient cushion resting on said seat support, a fabric cover over said cushion and having its edge margin underlying the seat support, the fabric cover having means along one edge interlocked with certain lugs to permanently fix one edge of the seat cover, and resilient means tending to pull the remaining edges of the cover together below the seat support into engagement with the remaining lugs.

2,191,849
BOX SHAPED SPOOL FOR FILMS
André Leon Victor Clement Debrie, Paris, France
Application December 28, 1936, Serial No. 117,962
In France October 7, 1936
7 Claims. (Cl. 242—71)



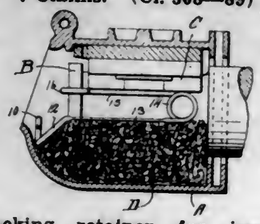
1. Film carrying means comprising a spool adapted to carry the wound film including a hub and two cheeks secured to said hub and a belt, yielding throughout its length, adapted to be stretched over the outer periphery of both cheeks in a perfectly light-tight contact therewith, with the opposite ends of said belt facing each other with a gap allowing the light-tight passage of the end of the film on the spool, and releasable means for forcing said opposed ends of the belt into frictional engagement with the opposite sides of the end of the film passing through the gap.

2,191,850
FILM DEVELOPING MACHINE
André Leon Victor Clement Debrie, Paris, France
Application December 13, 1937, Serial No. 179,624
In France December 21, 1936
12 Claims. (Cl. 95—94)



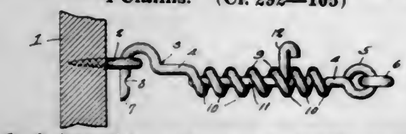
8. In a film developing machine as claimed in claim 1, means for feeding one groove with a developing liquid and including a liquid containing bottle adapted to rock round a horizontal axis, a cock controlled by the position of said bottle with reference to said horizontal axis and means controlled by the cock and passing through a grooved element for feeding the grooves considered with the liquid in the bottle.

2,191,851
PACKING RETAINER
Marvin H. Gorman, Corbin, Ky.
Application September 2, 1938, Serial No. 228,178
7 Claims. (Cl. 308—89)



1. A packing retainer for journal boxes formed of a single length of spring material bent to form a lower cross bar with a medial upwardly extending eye, an upwardly and rearwardly inclined portion at each end of the cross bar and rearwardly extending legs extending from said laterally inclined portions and terminating in spring coils, and an upper pair of legs extending from the spring coils forward and then having portions bent towards each other and into approximately abutting relationship.

2,191,852
COMBINED HOOK AND BOLT
Andrew H. Hatchette, Cleveland, Ohio
Application March 21, 1939, Serial No. 263,269
4 Claims. (Cl. 292—105)

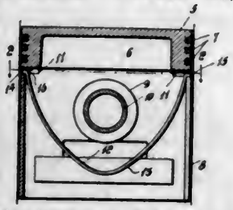


1. A two-piece retainer for screen doors and similar closures, including a hook formed from rod stock and comprising a shank having a bill, the shank being spirally disposed to form a body, and a bolt mounted in the body, for longitudinal movement and for rotation, the bolt having a transverse handle, extended outwardly between the convolutions of the body and exposed there beyond for direct manipulation, the handle constituting means whereby the bolt may be rotated, the handle following the convolutions, when the bolt is rotated, thereby to advance the bolt longitudinally, into cooperating relation with respect to the bill.

2,191,853
USE OF SYNTHETIC RESINS
Eric Leighton Holmes, Teddington, England
No Drawing. Application February 15, 1937, Serial No. 125,896. In Great Britain February 24, 1936
6 Claims. (Cl. 252—2)

1. The process of treating a fluid for the removal of undesired constituents which comprises contacting the fluid with a synthetic resin of the phenol-formaldehyde type which is sulphited to a degree that its sulphur content is not less than 2.4 per cent.

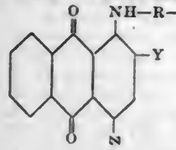
2,191,854
ATTACHMENT FOR PISTONS FOR INTERNAL COMBUSTION ENGINES
Walter M. Howser, Anderson, Ind., assignor to William H. Forse, Anderson, Ind.
Application December 21, 1937, Serial No. 181,048
2 Claims. (Cl. 309—12)



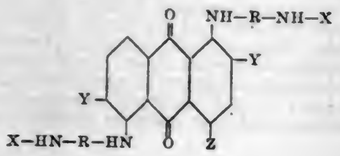
1. In combination with a hollow piston having circumferentially extending opposite slots in the side wall thereof, an expansion spring member having its ends mounted in said slots, one of said ends terminating inwardly of the outer face of the hollow piston and the other of said ends being curved and extending through the slot beyond the outer face of the hollow piston for engagement with the wall of a cylinder for centering the piston during its reciprocal movements.

2,191,855
N-DIHYDRO-AZINE COMPOUNDS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF PREPARING THEM
Georg Kränzlein, Ernst Diefenbach, and Fritz Eggert, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application November 3, 1936, Serial No. 109,024. In Germany November 6, 1935
8 Claims. (Cl. 260—262)

1. The process which comprises treating with a condensing agent of the group consisting of aqueous and alcoholic solutions of inorganic alkalies and inorganic acids a member of the group consisting of compounds of the general formulae:

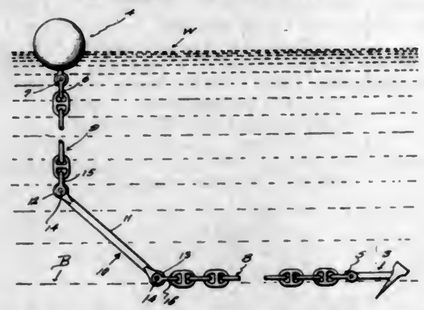


and



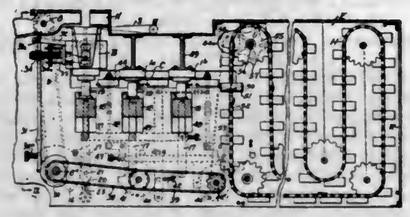
wherein R represents a member of the group consisting of phenyl and substituted phenyl radicals bound to the two NH— groups of the formula in ortho positions, X represents a member of the group consisting of phenyl and substituted phenyl radical, alkyl, hydroxy-alkyl, cycloalkyl and acyl, Y represents a member of the group consisting of sulfonic acid group and sulfonic amide group and Z represents a member of the group consisting of hydrogen and bromine.

2,191,856
ANCHOR EQUIPPED MOORING CHAIN
Glenn I. Middlebrooks, Houston, Tex., assignor of one-half to Arthur L. Middlebrooks, Texarkana, Ark.
Application December 19, 1938, Serial No. 246,731
1 Claim. (Cl. 114—206)



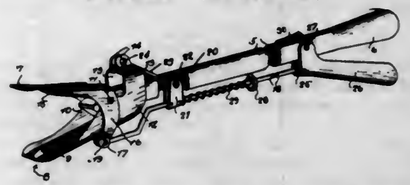
Apparatus of the class described for use in tidewater streams, comprising an anchor to be deposited on the bed of the stream, a buoy, a buoy chain section attached at one end to said buoy to depend therefrom and being of less length than the depth of the stream at low tide, an anchor chain section attached at one end to said anchor and adapted to repose on the bed of the stream, and a bar-like dip section having one end pivoted to the lower end of the buoy chain section and the other end pivoted to said anchor chain section, respectively, said dip section being of a length greater than the distance between the lower end of the buoy chain and the bed of the stream at high tide, whereby said dip section is adapted to incline upwardly from the bed of the stream with one end resting on said bed and to pivot on said bed with its remainder clear of the bed during both rise and fall of said buoy with the tide.

2,191,857
METHOD AND APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa.
Application May 2, 1935, Serial No. 19,478
25 Claims. (Cl. 25—22)



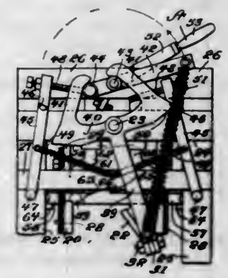
1. In apparatus for the manufacture of dinnerware the combination which comprises a plurality of pairs of cooperable means for dewatering clay bodies each pair forming therebetween a clay receiving and dinnerware shaping cavity, means for transferring clay between one pair of dewatering means and another, a dryer having a conveyor therein and means for operating said conveyor in timed relation with said transfer means.

2,191,858
PAPER AND TRASH PICKER TONGS AND THE LIKE
William H. Moore, Los Angeles, Calif.
Application June 9, 1939, Serial No. 278,375
2 Claims. (Cl. 294—19)



1. Tongs of the character described, including a handle rod, a pair of gripping jaws pivotally mounted on a pin at the outer end of the handle rod, each jaw having a pair of arms extending to the opposite side of the handle rod, operating means for the jaws including a hand lever at the inner end of the handle rod, a slide rod adjacent and parallel with the handle rod connected at its inner end to said hand lever and pivotally connected at its outer end to a pair of arms of one jaw, an eye-bolt carried by the handle rod through which said slide rod extends, a link connection between the slide rod and the pair of arms carried by the other jaw and a coil spring on the slide rod between the eye-bolt and link connection for tensioning the slide rod and normally holding the gripping jaws in open position.

2,191,859
ELECTRIC SWITCH
Guy H. Porter, Linwood, Pa.
Application April 7, 1938, Serial No. 200,795
7 Claims. (Cl. 200—70)

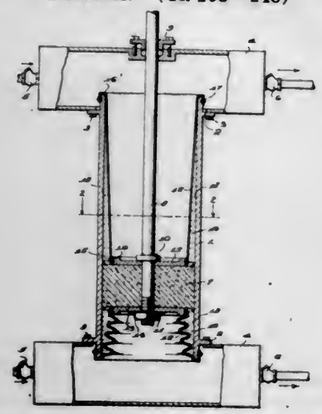


1. An electric switch comprising fixed and movable contacts, a rock shaft supporting the latter, a manually actuable rock shaft, a lever carried by the manually actuable shaft, an arm carried by the first said shaft and having a yoke operatively connected with the resistance arm of said lever, a spring tensioned between the extremities of the lever and the arm, so that upon rocking of the second said shaft the movable contacts will be moved toward and away from the fixed contacts, and locking means for retaining the movable contacts in engagement with the fixed contacts and provided with means whereby they may be released by said lever.

2,191,860
BIGUANIDINO SUBSTITUTED DIPHENYLENEOXIDES
Bruno Puetzer, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 9, 1937, Serial No. 147,354. In Germany June 9, 1933
3 Claims. (Cl. 260—346)

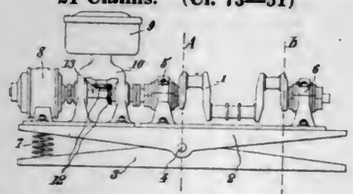
1. Biguanidino substituted diphenyleneoxides, which products are in the form of the free bases insoluble in water, but soluble in organic solvents and are soluble in water in the form of their salts.

2,191,861
PUMP
Theodore R. Rymal, Refugio, Tex.
Application January 12, 1939, Serial No. 250,609
4 Claims. (Cl. 103—148)



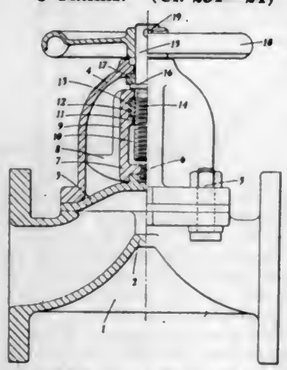
1. In a pump of the class described, a pump cylinder open at both ends, a piston reciprocating in said cylinder, and a pair of bellows-like cylindrical liners of rubber in said cylinder upon opposite sides of said piston, respectively, each liner having an inner end connected to one face of the piston and an outer end connected to one end of the cylinder, said liners forming together with the inner wall of the cylinder chambers around the latter upon opposite sides of the piston in which said pistons operate and for containing oil, said liners being lengthwise extensible under movement of said piston in opposite directions, respectively, whereby the length of said chambers is varied in accordance with the stroke of said piston in opposite directions.

2,191,862
SYSTEM FOR ANALYZING VIBRATIONS
Raoul Roland Raymond Sarazin, Saint-Prix, France
Application October 22, 1937, Serial No. 170,503
In Luxemburg May 7, 1937
21 Claims. (Cl. 73—51)



1. An apparatus of the type described for studying the vibrations of a structure under the effect of means for driving said structure, which comprises, in combination, a stationary support, a frame movably carried by said support, elastic means for urging said frame toward a predetermined position with respect to said support, said frame being adapted to carry said structure, a vibration absorber including a part rigidly connected to said frame, so that the vibrations of said structure are transmitted to said part, and a part, operatively connected to said driving means, so as to be movable with respect to said first mentioned part in response both to the effect of its own inertia and to the action of said driving means, and indicating means associated with said movable part for marking the relative displacements thereof with respect to said first mentioned part.

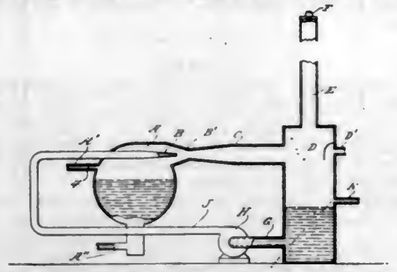
2,191,863
FLUID CONTROL VALVE
Philip Keith Saunders, Cwmbran, England
Application June 7, 1939, Serial No. 277,820
In Great Britain June 2, 1938
3 Claims. (Cl. 251—24)



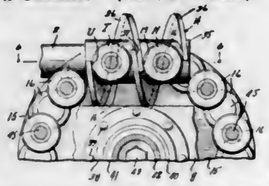
1. In a diaphragm valve, a body having an opening, a diaphragm extending across the opening, a bonnet disposed above the diaphragm, a non-rotatable backing member for actuating the diaphragm with a hollow extension on the side remote from the diaphragm longer than the travel of the diaphragm from the fully shut to the fully open position and with a transverse rectangular slot near the end remote from the diaphragm, a rectangular nut of smaller cross section than that of the slot accommodated in it with its bore in line with the hollow part of the extension, and a threaded spindle co-operating with said nut and endwise located centrally in said bonnet.

2,191,864
METHOD AND MEANS FOR COOLING FLUIDS
Henry G. Schaefer, New York, N. Y.
Application April 14, 1937, Serial No. 136,823
2 Claims. (Cl. 62—152)

1. Liquid cooling means, including a tank for confining a body of liquid to be cooled and means for reducing to a desired degree the pressure above the liquid in the tank and to remove gases and vapors from said tank, comprising an independent liquid circulating system including an aspirator arranged in open communication with the interior of the tank, a pump for forcing liquid through said aspirator under pressure, a reservoir for receiving the liquid and entrained vapors from the aspirator, said reservoir being connected between the aspirator and the pump to form a circulatory system, and means for condensing a portion of the entrained vapors and exhausting the remaining portion thereof to atmosphere, said last named means including means for circulating a stream of air through said reservoir in contact with the liquid and entrained vapors from the aspirator.

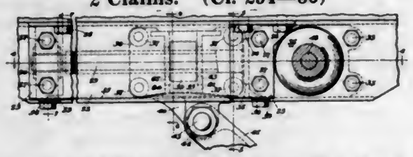


2,191,865
MECHANICAL MOVEMENT
Henry Schlachter, Beatrice, Nebr.
Application April 22, 1936, Serial No. 75,807
2 Claims. (Cl. 74—424.7)



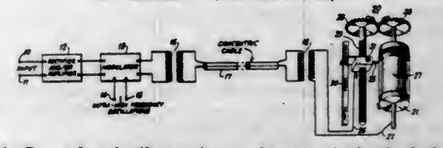
2. In a mechanical movement, a worm of uniform pitch having a thread with axially offset sections forming a groove of uniform width, discs arranged on opposite sides of the worm and having movement relative to each other, rollers carried by each disc, the distance between the centers of the rollers on each disc being substantially equal to the lead of the worm, said rollers being adapted to travel in the groove and as one of the rollers leaves the groove, another is already working in the groove.

2,191,866
LANDING GEAR
Carl G. Seyferth, Muskegon, Mich., assignor to West Michigan Steel Foundry Co., Muskegon, Mich., a corporation of Michigan
Application July 22, 1939, Serial No. 285,873
2 Claims. (Cl. 254—86)



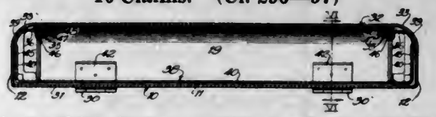
2. The combination with a gear box having a slot in the floor thereof and a carriage movable within the gear box and having a depending portion projecting through and movable in said slot, said carriage having an opening above its depending portion, of a flexible sealing strip secured within the gear box adjacent the slot and beyond the opposite ends of the carriage, said strip extending beneath the ends of the carriage and through the opening in the carriage above said depending portion thereof.

2,191,867
FACSIMILE RECORDER
Henry Shore, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1937, Serial No. 168,576
2 Claims. (Cl. 178—13)



1. In a facsimile system wherein is included a conducting record support element having positioned thereon a heat sensitive recording material and wherein a stylus element is positioned substantially adjacent the recording material so that the stylus element and the record support together form a condenser element with the heat sensitive recording material constituting the dielectric element thereof, the method of producing images upon the recording material which comprises the steps of receiving image signal energy, generating electrical oscillations of ultra high frequency and of a voltage insufficient to produce recording electronic discharge between the stylus element and the record support element, modulating the developed ultra high frequency oscillating energy by the received image signal energy, impressing the modulated ultra high frequency energy between the stylus and record support elements to develop in the condenser formed by said elements dielectric heat losses to produce proportional intensity sharply defined marking indicia upon that area of the recording material substantially instantaneously adjacent the stylus, and providing relative movement between the stylus and the recording material to produce, under the control of the heat losses developed, a recorded pattern on the recording material.

2,191,868
TOY WAGON BODY
Adolph J. Snow, Wilmette, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 30, 1937, Serial No. 182,529
10 Claims. (Cl. 296—57)



1. A vehicle body comprising a floor, side, front and back portions extending up from said floor, one of said portions constituting a door, and a member united with and reinforcing the portions adjacent said door.

2,191,869
STAPLE
Warren M. Stone, Camden, N. J.
Application May 9, 1938, Serial No. 206,708
6 Claims. (Cl. 85—49)



1. A staple comprising a crown and end legs,

the crown being of greater thickness vertically than laterally and the legs being of greater thickness in the transverse direction of the staple than in a direction parallel to the longitudinal extension of the crown and of substantially greater thickness in the transverse direction of the staple than the lateral thickness of the crown.

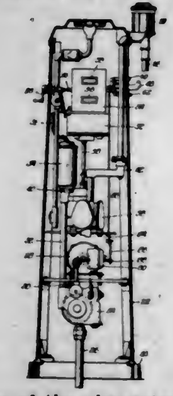
2,191,870

LIQUID DISPENSING APPARATUS

Frederick W. Sturm, Fort Wayne, Ind., assignor to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland

Application August 14, 1937, Serial No. 159,147

20 Claims. (Cl. 221—95)



1. In a device of the character described, the combination of indicating mechanism having indicating means, shutters for concealing said indicating means during reset, a reset shaft, liquid forcing means, a control for said liquid forcing means, a pivoted frame movable with said control, said frame having a pawl support thereon movable between two positions, a pawl movable with said pawl support, a trip pawl for moving said pawl to one position, a cam controlled by operation of said reset shaft for moving said first pawl and pawl support to the other position, and means engageable by said first pawl when said pawl support is in one position for moving the shutters to concealing position upon operation of said control unless said indicating mechanism is moved to initial position.

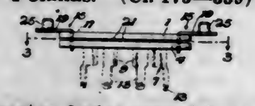
2,191,871

CONNECTOR DEVICE

Samuel Sutter, Philadelphia, Pa., assignor to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application August 14, 1937, Serial No. 159,175

4 Claims. (Cl. 173—339)



1. A connector device comprising a lower plate and an upper plate parallel therewith, the said plates being made of insulating material and having a plurality of aligned prong-accommodating perforations, and means for clamping said plates together, said clamping means being constituted by at least one metallic element having a portion that extends through aligned perforations in the plates, and a portion having such configurations as to enable it to be affixed to a radio chassis or the like to support the connector device therefrom, the free end of the portion extending through the plates being so deformed as to exert a clamping action thereon independently of the portion adapted to be affixed to a radio chassis.

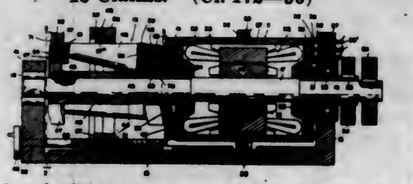
2,191,872

VARIABLE SPEED ELECTRIC MOTOR

Richard C. Upton, Mount Clemens, Mich., assignor of one-eighth to Arch N. Goddard, one-eighth to Chester S. Goddard, one-eighth to Ernest E. Anderson, and one-eighth to Howard Hagerty, all of Detroit, Mich.

Application August 30, 1937, Serial No. 161,645

13 Claims. (Cl. 172—36)



2. An electric motor comprising a base, armature and field elements each rotatable relative to said base and also rotatable relative to each other, a ring gear rotatable as a unit with one of said motor elements, a spider rotatable as a unit with the other of said motor elements, a tapered roller journaled in said spider, a planet gear secured to one end of said roller and meshing with the ring gear, and a contact ring frictionally engaging the tapered roller and adjustable lengthwise of the roller to vary the speeds of the armature and field elements relative to each other and relative to the base.

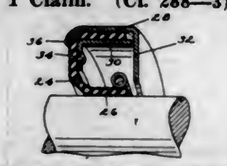
2,191,873

OIL RETAINER WITH COMBINED DIAPHRAGM AND OUTER METAL SEAL

Joseph B. Victor, Oak Park, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

Application November 6, 1936, Serial No. 109,498

1 Claim. (Cl. 288—3)



An oil seal for shafts, comprising a cup-shaped metal shell, a flexible diaphragm molded to the shell on one face and the outer rim thereof, a cup-shaped outer shell fitted over the inner shell and having an inturned edge gripping and compressing the periphery of the diaphragm against said inner shell.

2,191,874

SLIDING CLASP FASTENER

Martin Winterhalter, Morcote, near Lugano, Switzerland

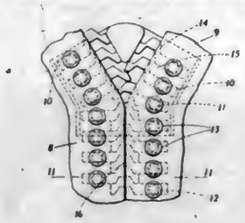
Application March 12, 1938, Serial No. 195,571

In Germany March 22, 1937

2 Claims. (Cl. 24—205)

2. In a sliding clasp fastener, a pair of tapes, cooperating series of fastener members arranged on one side of said tapes, each of said members being provided on one side with a projection passing through said tape, and series of heads of

non-metallic, moldable material arranged along one side of said members and being secured to



said members by means of recesses covering said projections of said members.

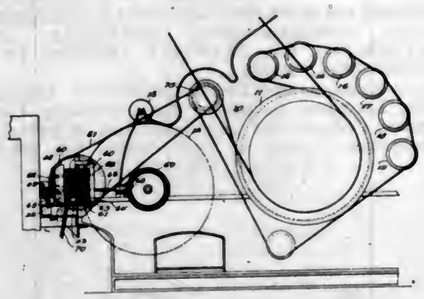
2,191,875

MACHINE FOR MAKING INSULATION

William F. Astley, Cicero, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application March 10, 1938, Serial No. 195,117

3 Claims. (Cl. 57—5)



1. In a machine for making insulating units, the combination of a supporting frame, with a plurality of carding rolls adapted to receive asbestos fibers and card them to an open and fluffy condition, said asbestos fibers being deposited at one end of said machine, a conveying belt at that end of the machine for receiving the carded asbestos fibers, said conveying belt conveying the fibers laterally at a predetermined rate, a condensing funnel located to receive said asbestos fibers, whereby the stream of fibers is condensed to a coherent body, said frame also supporting a plurality of reels having cords extending into the body of said carded asbestos on said conveyor belt whereby the cords are embedded in the body of asbestos, a pair of feed rolls located opposite the discharge end of said condensing funnel and adapted to engage the fibers issuing from said funnel to draw the fibers and cords through said funnel, means for driving said feed rolls at a predetermined rate of speed, and a rotating member surrounding said funnel, said rotating member having means for driving it at a predetermined speed, and being provided with a pair of oppositely disposed supports for rolls of cord, said supports rotating with said rotatable member, and said funnel having an extension fixedly secured to said rotating member for further condensing the fibers, said extension being provided with guide members for receiving cords from the rolls of cord carried by said rotatable member whereby the rotatable member is adapted to wrap cords about the fibers issuing from said funnels and further condense said fibers, and to partially confine the fibers to form an insulating member of loose carded fibers with embedded cords and spirally wrapped cords.

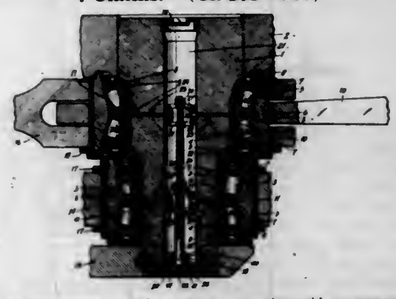
2,191,876

BEARING LUBRICATION

Clifford A. Brotherton, Columbus, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application March 27, 1939, Serial No. 264,279

7 Claims. (Cl. 308—187)



1. A lubricating bearing construction comprising a bearing, a shaft therein having a longitudinal lubricant reservoir, a passageway leading from said reservoir to said bearing, and lubricant inlet and air discharge passageways at one end of said reservoir, and a tube located in said reservoir and communicating at one end with said lubricant inlet passageway and opening into said reservoir only near the end thereof remote from said lubricant inlet and air discharge passageways.

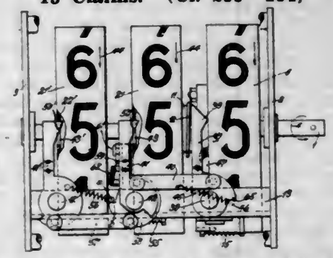
2,191,877

COUNTING MECHANISM

Kenly C. Bugg, Farmington, Mo., assignor to Neptune Meter Company, a corporation of New Jersey

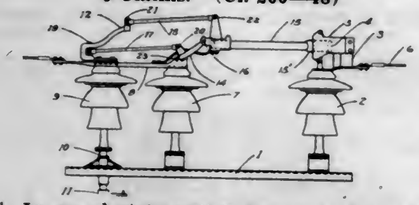
Application June 11, 1936, Serial No. 84,659

15 Claims. (Cl. 235—134)



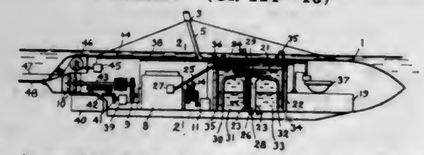
1. A counting mechanism comprising a shaft supported for rotation, a counting element supported for rotation by said shaft, a second counting element of higher denominational order in axial alignment with said first mentioned counting element, means for holding said second counting element from turning with said first mentioned counting element until transfer from the first counting element is required, mechanism controlled by said first mentioned counting element for releasing said holding means from said second counting element, and a frictional actuating device supported by said shaft and supporting said tens counting element in concentric spaced relation with said shaft for rotating said second counting element in a transfer operation when said holding means is released from said second counting element.

2,191,878
ELECTRIC SWITCH
John R. Caldwell, Birmingham, Ala., assignor to Southern States Equipment Corporation, Birmingham, Ala.
Application September 21, 1939, Serial No. 295,935
6 Claims. (Cl. 200—48)



1. In an electric switch two spaced insulated supports, contact means mounted on one of said supports, a single switch arm mounted by a double jointed hinge on the said other support and cooperable with the said contact means, a driving member rotatable about its axis and carrying two pivots which are spaced in fixed angular relation about the said axis, together with two linkages connecting the said pivots respectively to the said switch arm and to the said double jointed hinge, to operate the said switch arm in a combined arcuate and longitudinal path of travel.

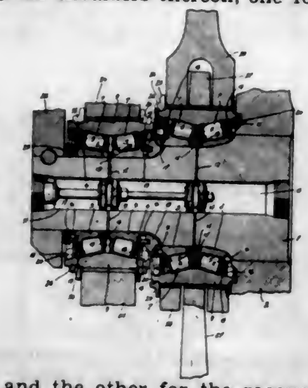
2,191,879
AUTOMATIC TOWING BOAT
Leonid A. Dunajeff, New York, N. Y., assignor to Commercial Ingredients Corporation, New York, N. Y.
Application April 20, 1938, Serial No. 203,032
7 Claims. (Cl. 114—16)



1. A towing boat comprising a hull adapted to be submerged in water, a tank in the hull, a water intake pipe for the tank having a nozzle extending forward outside the hull and adapted to draw water into the tank when the boat is in motion, and water exhaust pipes extending from the bottom of the tank and having nozzles directed rearward adapted to exhaust water from the tank when the boat is in motion, the nozzle of one exhaust pipe terminating below the level of water at the normal submergence of the boat, the nozzle of the other exhaust pipe terminating above the level of the first mentioned exhaust pipe, the first pipe being adapted to exhaust a smaller quantity of water than is taken in by the intake pipe, the two exhaust pipes, when both submerged, being adapted to exhaust more water than is taken in by the intake pipe, the three pipes being thereby adapted to maintain the boat at a predetermined depth of submergence in motion.

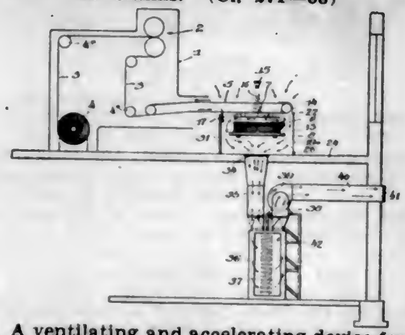
2,191,880
BEARING
Clifford L. Eastburg, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 24, 1939, Serial No. 281,003
14 Claims. (Cl. 308—207)

1. A double roller bearing comprising two bearing members having raceways thereon, one of said bearing members having two longitudinally spaced guide shoulders thereon, one for its own



raceway and the other for the raceway of the other bearing member.

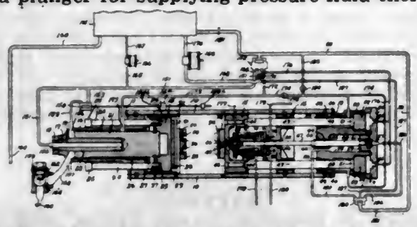
2,191,881
MEANS FOR AND METHOD OF VENTILATING AND ACCELERATING DELIVERY AND STACKING OF PRINTED SHEETS IN A PRINTING PRESS
Harry Erikson and George A. Harker, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 10, 1939, Serial No. 260,888
12 Claims. (Cl. 271—88)



1. A ventilating and accelerating device for the delivery part of a printing press having means for delivering and stacking freshly imprinted sheets, comprising an enclosure enclosing the space where the sheets are delivered and stacked, said enclosure being open at the top and having an exhaust outlet at the bottom thereof, means for creating a downward draft of air in said enclosure and about the delivered and stacked sheets to withdraw foreign suspended matter in the air and to cause a partial vacuum at all points between the top of the stack of sheets and the last delivered sheet for hastening the stacking of the latter and for affording a speedy operation of the press.

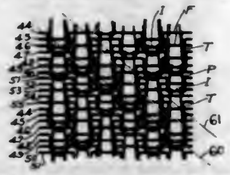
2,191,882
PLASTIC EXTRUSION MOLDING MACHINE
Walter Ernst and Ira B. Lawyer, Mount Gilead, Ohio, assignors to The Hydraulic Press Corp. Inc., Wilmington, Del., a corporation of Delaware
Application April 26, 1937, Serial No. 138,904
10 Claims. (Cl. 18—30)

1. In a plastic molding machine, openable and closable die means, a hydraulic plunger connected to said die means for opening and closing said die means, a source of pressure fluid connected to said plunger for supplying pressure fluid thereto,



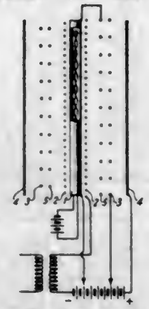
a hydraulic cushioning piston, and means for engaging said cushioning piston, said piston-engaging means being connected to said die means and separable during operation from said cushioning piston.

2,191,883
KNITTED FABRIC
Harry Fleisher, Watertown, Conn., assignor to Princeton Incorporated, Watertown, Conn., a corporation of Connecticut
Application April 15, 1938, Serial No. 202,223
10 Claims. (Cl. 66—169)



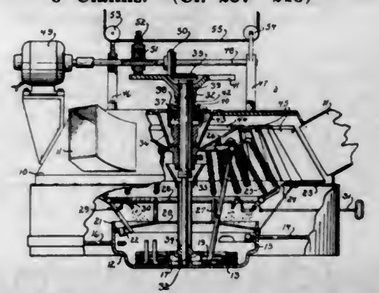
1. A run-resisting knitted fabric repeating every twelve courses and four wales in which a yarn in every other wale in every course is floated, the floats of even numbered courses being located at odd numbered wales and the floats of odd numbered courses being located at even numbered wales, producing two groups of diagonal rows of floats crossing each other at right-angles throughout the fabric, the yarn at each of the second, fifth, eighth and eleventh courses comprising a series of inlays alternating with the floats.

2,191,884
ELECTRON DISCHARGE TUBE
Bernardus Octavianus Maria Gall and Jan Bart Hugenholtz, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 21, 1937, Serial No. 143,898
In the Netherlands June 22, 1936
4 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising a cathode, an anode, a plurality of grids interposed between said cathode and said anode to be passed in succession by the electron stream from said cathode to said anode, and including a control grid adjacent the cathode and a pair of said grids of the same pitch and electrically insulated from each other being mounted side by side with their respective conductors aligned normal to said cathode between the control grid and the anode, and a direct electrical connection between said cathode and that grid of said pair which is nearer said cathode.

2,191,885
AIR CONDITIONING UNIT
Hollis B. Hall, Newton, Iowa
Application November 1, 1937, Serial No. 172,212
3 Claims. (Cl. 257—215)

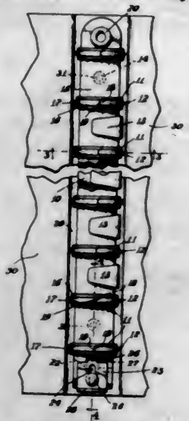


2. In combination with an air conditioning unit having a housing, a plurality of outlets in said housing, a rotary fan having its blades adjacent the outlets in said housing and rotatably mounted therein, a plurality of radially disposed radiating elements adjacent said rotary fan and a pump for pumping fluids through said radiating elements, a transmission for driving said fan and said pump comprising, a cup portion depressed in the upper portion of said housing, a bearing element in said cup portion, a sleeve rotatably mounted in said bearing element, a supporting plate secured to the lower end of said sleeve inside said housing, a means for securing said supporting plate to said rotary fan plates, a friction disc on the upper end of said sleeve, a motor, a horizontal shaft secured to said motor, bearing members for supporting said shaft, a friction gear slidably mounted on and in operative engagement with said shaft and contacting said friction disc, a means for sliding said friction gear on said shaft; said friction gear changing the speed of rotation of said fan when moved along said shaft relative to the center of said friction disc, a bevel gear secured to said shaft, a vertical drive shaft having its lower end in operative engagement with said pump and rotatably mounted in said sleeve, and a second bevel gear secured to the upper end of said vertical drive shaft and in operative engagement with first mentioned bevel gear.

2,191,886
LOOSE LEAF BINDER
Atto N. Hanna, Newark, N. J.
Application July 17, 1937, Serial No. 154,173
4 Claims. (Cl. 129—10)

1. A loose leaf binder embodying therein a sheet metal base strip, a plurality of arcuate posts formed integrally with, and projecting upwardly from, one edge of, and part way across, said base strip, a plurality of tongues formed integrally with, and projecting from the same edge

of said base strip as said posts, said tongues overlaying, being parallel with and being spaced from said base strip, a movable sheet metal strip having a plurality of arcuate posts complementary to the posts upon said base strip and formed integrally with and projecting upwardly from one edge of said movable strip, said movable strip being of a thickness to be superimposed upon said base strip and to closely fit the space between same and said tongues, whereby said movable



strip will be firmly held in close abutting relation to said base strip, turning movement of said strip in one direction is limited, lifting of the arcuate posts upon said movable strip in relation to the arcuate posts upon said base strip is prevented, said tongues are interposed between said movable strip and the leaves in the binder, and both strips contribute towards the rigidity of the binder, and means adjacent one end of said strips permitting pivotal movement of said movable strip.

2,191,887

CELLULOSIC STRUCTURE AND PROCESS OF MAKING THE SAME

Winfield Walter Heckert, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 20, 1937, Serial No. 143,829

34 Claims. (Cl. 8—64)

1. The process of imparting to an organic cellulose derivative structure an affinity for dyestuffs which comprises uniting the said structure with a non-cellulosic, non-proteinous polymeric compound containing at least 2% amino nitrogen.

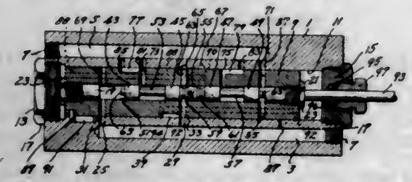
2,191,888

HYDRAULIC OPERATOR

David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States

Application December 2, 1936, Serial No. 113,873

13 Claims. (Cl. 121—157)



1. In a hydraulic operator for use in uniflow fluid pressure systems the combination of, a casing having an inlet port and an outlet port, a fluid pressure responsive operator member movably disposed in said casing, fluid responsive valve means movable in said casing for controlling the application of pressure fluid from the inlet port to reversely move said operator member, and an interlock actuated by the movements of said operator member for interlocking with and controlling the movements of said fluid responsive valve means.

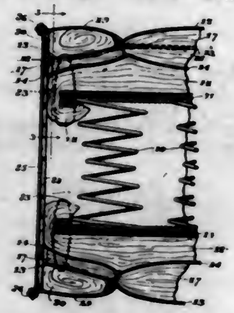
2,191,889

MATTRESS

William W. Hoagland, Grand Rapids, Mich., assignor to American Auto-Felt Corporation, Grand Rapids, Mich., a corporation of Michigan

Application October 18, 1937, Serial No. 169,532

2 Claims. (Cl. 5—351)



1. A mattress comprising a spring, padding disposed over the surface of one face of the spring, ticking covering said padding comprising two sheets secured together by a plurality of parallel spaced seams to form spaced parallel pockets, a flap secured adjacent each opposite end of the outer sheet of the ticking and transversely of the spaced parallel seams, a peripheral band secured to each of the opposite side lengths of the outer sheet of the ticking to form spaced side pockets each bounded by the peripheral band and the outer and inner sheets of the ticking, and secured to the outer length of each flap to form end pockets each bounded by the peripheral band, a flap, and the outer sheet of the ticking, and padding disposed within said spaced parallel pockets, within said side pockets and within said end pockets.

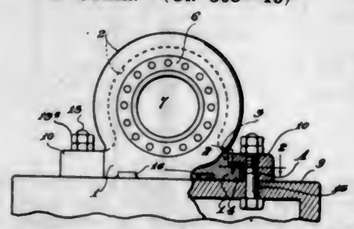
2,191,890

SHAFT BEARING

George F. Le Bus, Longview, Tex.

Application July 1, 1937, Serial No. 151,328

1 Claim. (Cl. 308—15)



In a shaft mounting of the class described, in combination, a housing, a base block formed integrally with the said housing, the base block adapted to be secured to a support, the said base block having lateral extensions, the lateral extensions having opposed recesses in their outer ends, cap members adapted to overlie said lateral extensions and being spaced therefrom, means adapted for securing the cap members to the support, the cap members having apertures therein, the cap members having opposed bosses receivable in the said opposed recesses of the lateral extensions of the base block thereby interlocking the cap members with the said lateral extensions of the base block.

2,191,891

WASHER CYLINDER

Norman A. Levitetz, Chicago, Ill., assignor to Why Corporation, a corporation of California

Application January 26, 1938, Serial No. 186,966

2 Claims. (Cl. 68—210)



1. In combination, a hollow cylinder having doors located at the ends of a chord of substantially less length than the diameter of the cylinder, two transverse walls of wood associated with the cylinder, each of said walls being divided along said chord, a guide bar arranged between the portions of each wall lying on opposite sides of said chord, each guide bar extending from one door to the other.

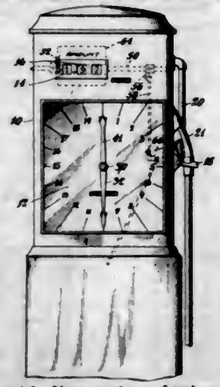
2,191,892

SHUTTER FOR DISPENSING PUMPS

William L. Marden, Jackson Heights, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey

Application May 8, 1937, Serial No. 141,519

8 Claims. (Cl. 221—95)



1. In a liquid dispensing device, the combination of a price indicator, a volume indicator, a meter, means actuated by said meter for driving said indicators, a movable hose support, a shutter associated with said price indicator and movable to conceal and expose said indicator, and means positively connecting said shutter and hose support for moving the shutter to conceal the indicator when the hose is removed from the support and to expose said indicator when the hose is placed on the support.

2,191,893

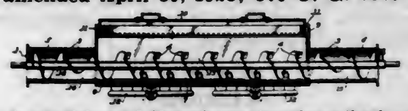
MACHINE FOR THE PURPOSE OF DESTROYING THE PINK BOLLWORM IN COTTONSEED

Robert E. McDonald and Gustav J. Scholl, San Antonio, Tex.; dedicated to the free use of the People of the United States of America

Application August 24, 1939, Serial No. 291,752

9 Claims. (Cl. 21—94)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A machine of the character described comprising a trough, conveying means through said trough, means for continuously introducing material into and discharging it from said trough, a housing for said trough, said housing forming a space between it and each wall of said trough, said spaces communicating with said trough and being adapted to hold a liquid, and means for heating said trough and liquid.

2,191,894

CELLULOSIC STRUCTURE AND PROCESS FOR PRODUCING SAME

Frederick Madison Meigs, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 9, 1939, Serial No. 272,642

5 Claims. (Cl. 91—68)

1. A flexible, durable, water-sensitive cellulosic structure, said structure containing, as a softener therefor, a water-soluble polyhydric ester of carbamic acid having the structure

$$R—O—CO—NH_2$$

in which R is an alkylol radical containing from 2 to 5 carbon atoms.

2,191,895

PLASTICIZING CELLULOSIC STRUCTURES

Frederick Madison Meigs, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 9, 1939, Serial No. 272,643

5 Claims. (Cl. 91—68)

1. A flexible, durable, water-sensitive cellulosic structure, said structure containing, as a softener therefor, a water-soluble ethanolamine salt of an alpha-hydroxy aliphatic acid containing 2 or 3 carbon atoms in the acid constituent.

2,191,896

PLASTICIZING CELLULOSIC ARTICLES

Frederick Madison Meigs, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 9, 1939, Serial No. 272,644

5 Claims. (Cl. 91—68)

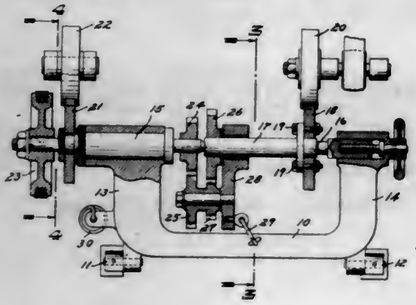
1. A flexible, durable, water sensitive cellu-

losic structure, said structure containing, as a softener therefor, a formic acid addition product of ethanolamine.

2,191,897
PLASTICIZING CELLULOSIC ARTICLES
Frederick Madison Meigs, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 9, 1939, Serial No. 272,645
5 Claims. (Cl. 91—68)

1. A flexible, durable, water-sensitive cellulosic structure, said structure containing, as a softener therefor, a water-soluble levulinic acid addition product of ethanolamine.

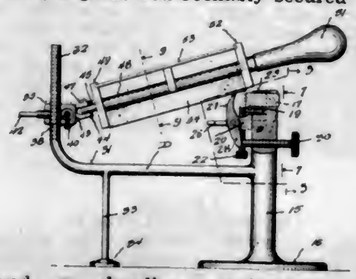
2,191,898
APPARATUS FOR FORMING MASTER CAMS
Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application September 28, 1937, Serial No. 166,196
2 Claims. (Cl. 51—101)



1. In combination, a pivoted cradle having a head stock and a tail stock, a work spindle journaled in the head stock, an eccentric keyed to the work spindle, means for driving the work spindle, a work center adjustably mounted in the tail stock, a shaft mounted between and concentric with the work spindle and the work center, said shaft being rotatable relative to the work spindle, reduction gearing connected to the work spindle and to the shaft and causing the shaft to rotate at a slower speed than the work spindle, a cam blank mounted on the shaft and rotatable therewith, a grinding wheel mounted in a fixed position relative to the pivot of the cradle, and an idler wheel mounted in a fixed position relative to the grinding wheel, and means for resiliently pressing the eccentric against the idler wheel, thereby causing the grinding wheel to selectively remove material from the periphery of the cam blank to produce a geometrically uniform cam having a plurality of lobes.

2,191,899
UNIVERSAL SHARPENER
Adam Primak, Milwaukee, Wis.
Application September 7, 1937, Serial No. 162,717
3 Claims. (Cl. 51—69)

1. A manually operated sharpening device comprising, a clamp for the implement to be sharpened, a feed screw extending in spaced parallel relation to the clamp, a traveling nut on the feed screw, a guide rod rockably secured to the



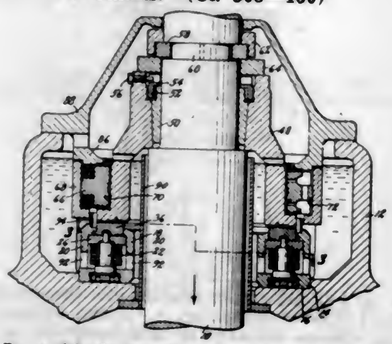
nut, and an abrading member reciprocally mounted on the guide rod.

2,191,900
MOUNTING FOR SWINGING CLOSURES
George Pariot, New York, N. Y.
Application November 26, 1938, Serial No. 242,447
3 Claims. (Cl. 16—158)



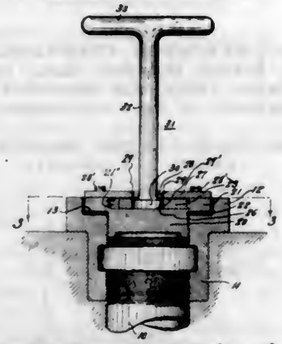
1. A door fixture for securing a door on the pivots comprising in combination a metal member having an inturned flange to engage the side of a door, a solid portion having an opening therein to receive a door pivot and a circular lug extending from the inner surface thereof and positioned to be received in a complementary transverse opening in a door, another member having an inturned flange to engage the side of a door, and securing means for securing the two members together to clamp a door therebetween.

2,191,901
BEARING
August Gunnar Ferdinand Wallgren, Stockholm, Sweden, assignor, by mesne assignments, to Aktiebolaget Nomy, Lidkoping, Sweden, a corporation of Sweden
Application February 26, 1936, Serial No. 65,748
In Sweden March 2, 1935
9 Claims. (Cl. 308—160)



1. In a block bearing, a bearing member, a plurality of separate rigid supporting members, a bearing block supported by each of said members, resilient means for individually supporting each of said members, and means for permanently imparting an initial tension to each of said resilient means which is greater than the normal load on each bearing block and less than the permissible overload on each bearing block, the area of contact between said supporting member and the respective blocks being of such limited extent in peripheral direction as to provide a fulcrum, whereby the blocks are tiltable about said fulcrum with respect to the supporting members and independently of said resilient means.

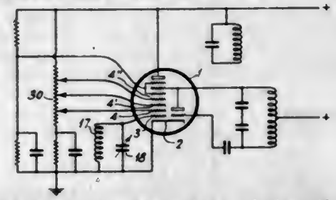
2,191,902
CLOSURE MEANS
Abram W. Wheaton, Maplewood, N. J., assignor to A. W. Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application March 23, 1938, Serial No. 197,625
4 Claims. (Cl. 220—39)



1. In combination a removable closure plug for a fill box or like access opening and a wrench tool therefor, said closure plug having means operative by rotation thereof for connecting the same in closed relation to the opening served thereby, said closure plug having an internally screw threaded recess in the top thereof, a socket plate having a non-circular wrench head receiving socket, said socket plate being threaded into said recess subject to combined rotary and vertical movement therein, a cover plate affixed to said closure plug and over said recess, said cover plate having a non-circular wrench head passage with which said receiving socket registers when said socket plate occupies a down turned normal initial position, said wrench tool having a conforming head to pass through said cover plate passage to fitted relation within said receiving socket of said socket plate, and said socket plate by rotation of said wrench head being turnable into jammed connection with said cover plate whereby rotary motion may be imparted to said closure plug after portions of said wrench head are moved out of register with said non-circular cover plate passage and beneath said cover plate to interlock said wrench tool and closure plug together.

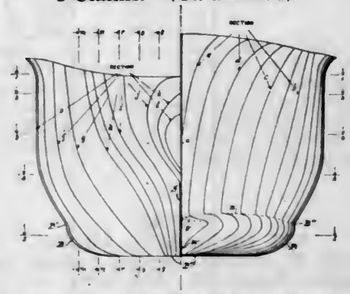
2,191,903
ELECTRON DISCHARGE DEVICE
William Herbert Aldous, Wembley, England, assignor to The Mo Valve Company, Limited, a British company
Application August 10, 1938, Serial No. 224,071
In Great Britain May 4, 1937
2 Claims. (Cl. 250—174)

1. An electron discharge device for frequency changing and having a cathode, a first control grid, a plurality of successive grids coated with emitting material, an accelerating grid, a second control grid and an anode, and a grid and a second anode directly adjacent and laterally of



said cathode and independent of the other grids and other anode for providing an oscillator section in the tube and a connection between the second anode and the second control grid.

2,191,904
SHIP'S HULL
William P. Baker, Brooklyn, N. Y.
Application December 7, 1937, Serial No. 178,481
5 Claims. (Cl. 114—56)

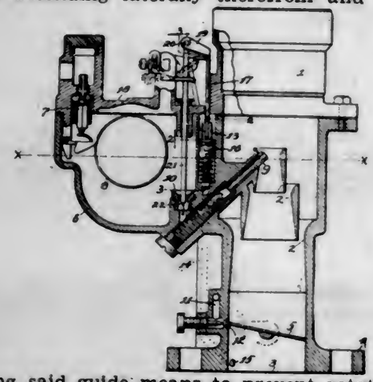


1. A boat hull having approximately vertical sides, a substantially horizontal flat bottom, wide at its mid-section and tapering to stem and stern and a sharp concaved stem; each side of the hull being provided forward of the mid-section along and just above the side portions of the bottom with a laterally projected convexedly rounded bulb merging with the bottom and side; each bulb becoming laterally sharper as it extends forward, and terminating forwardly in a transverse entrant edge about as wide as the bulb and crossing at the forefoot of the stem; the depth of the bulb being approximately less than a third of the submerged depth of the hull.

2,191,905
CARBURETOR
Frederick W. Cloedy, St. Louis, and Harold A. Carlson, University City, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application January 6, 1938, Serial No. 183,604
1 Claim. (Cl. 261—69)

In a carburetor, a mixing conduit, a part having a calibrated fuel metering orifice spaced transversely from the wall of said conduit, a guide opening co-axially arranged with respect to said metering orifice, a metering pin having a reduced lower extremity normally extending into said orifice, a cylindrical chamber in the wall of said conduit communicating at its lower portion with suction in said conduit, a piston in said chamber, a spring arranged in said cylindrical chamber between the piston and the lower end of said chamber, a piston rod projecting upwardly from said piston and having a laterally offset por-

tion forming a mounting for said metering pin for moving the same parallel to the axis of said cylinder to vary the effective cross-sectional area of said orifice, non-circular guide means on the wall of said conduit adjacent said piston rod, said piston rod having a non-circular elongated portion extending laterally therefrom and closely



fitting said guide means to prevent rotation of the rod so as to maintain uniform positioning of said pin mounting transversely of the axis of said orifice, whereby the pin is restrained at all times from misalignment with said orifice due to pivotal movement with respect to the wall forming the guide opening.

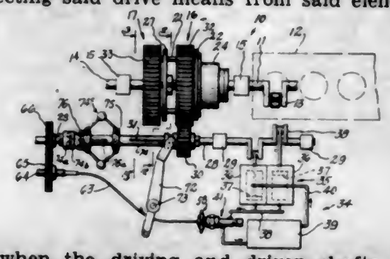
2,191,906
ART OF MAKING SHOES
Claude H. Daniels, Wellesley Hills, Mass.
Application August 25, 1934, Serial No. 741,371
1 Claim. (Cl. 12—145)



In the art of making shoes the process comprising, attaching a vamp and vamp lining together rearwardly of the tip line and perforating the attached vamp and vamp lining, attaching a toe stiffener to one of said parts in the region of the tip line so that both surfaces of the toe stiffener are accessible, treating the toe stiffener in a manner such as to preliminarily soften but to subsequently stiffen the same, and lasting the shoe before the treatment is effective to stiffen the toe stiffener.

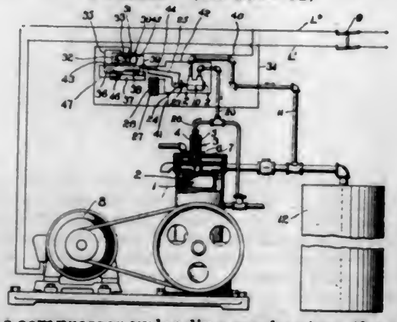
2,191,907
HYDRAULIC MECHANICAL SPEED TRANSMISSION
Raymond de Filippis, Brooklyn, N. Y.
Application April 3, 1937, Serial No. 134,712
10 Claims. (Cl. 74—293)

1. A device including a driving shaft, a driven shaft, a planetary gearing interconnecting said shafts, a circulatory hydraulic system including a pump, drive means connecting said pump to an element of the planetary gearing so that the pump resists rotation of said element to cause the planetary gearing to transmit power from the driving to the driven shaft, the hydraulic system including a flow control valve adapted to be opened by pressure caused by the pump, means tending to close said valve, including a governor responsive to the speed of said element, means for automatically directly connecting the driving and driven shafts when the latter attains the speed of the driving shaft, and means for disconnecting said drive means from said element



only when the driving and driven shafts are directly connected to each other, including a governor responsive to the speed of said drive means of the pump.

2,191,908
COMPRESSOR UNLOADER
Steven F. Evelyn, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application March 11, 1938, Serial No. 195,251
1 Claim. (Cl. 230—31)

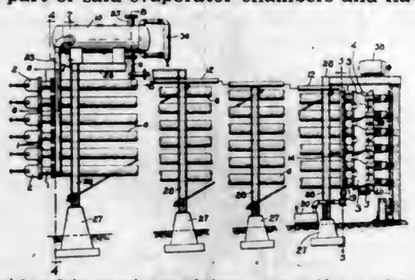


In a compressor unloading mechanism, the combination, of an air or gas compressor, an electric motor for operating said compressor, means controlling energizing of said motor, pressure operated means for unloading said compressor, a valve for controlling the delivery of operating pressure to said pressure operated means, electrically operated means for operating said valve, a thermostatic switch for controlling energizing of said electrically operated means, and a switch in circuit with said thermostatic switch and said electrically operated means for cutting the thermostatic switch out of the circuit at predetermined times and maintaining the circuit through said electrically operated means, said electrically operated valve operating means including a magnetic coil, a lever actuated by said coil for operating said valve said lever operating said switch upon movement of the lever under action of said magnetic coil.

2,191,909
CHILLING MACHINE
Roland G. Ewer, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application October 4, 1938, Serial No. 233,147
2 Claims. (Cl. 62—114)

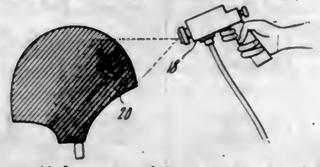
1. In a chilling apparatus, a conduit for conducting liquid to be treated comprising a plurality of vertically spaced pipe sections arranged in

serially connected superposed tiers, evaporator jackets individual to said pipe sections and forming evaporator chambers about the pipe sections, said pipe sections and evaporator chamber being inclined lengthwise to the horizontal, a liquid refrigerant supplying accumulator above the highest part of said evaporator chambers and having



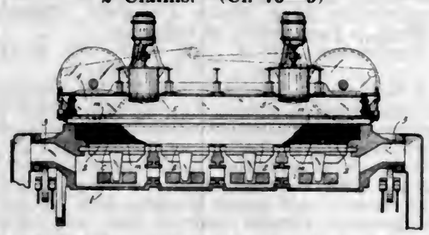
liquid refrigerant supplying connections with the lowermost ends of the evaporator chambers, and outlet return connections connected to the highest ends of the evaporator chambers and to said accumulator whereby a constant upward flow of liquid and gaseous refrigerant through said evaporator chambers to said accumulator will be provided.

2,191,910
RUBBER ARTICLE
James J. Galligan, Providence, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 4, 1936, Serial No. 67,065
2 Claims. (Cl. 41—24)



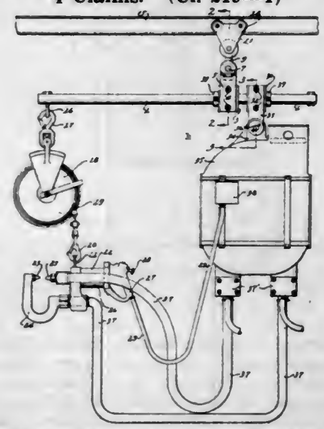
1. An article comprising a sheet of the direct deposit of solids of a latex composition and having a pattern extending through the thickness thereof so that raised and depressed portions forming the pattern are visible on each face of the rubber material, and at least one face of the rubber material having a pebbled surface comprising a multitude of individually coagulated latex particles in addition to the pattern formed by the raised and depressed portions.

2,191,911
METHOD OF SINTERING
John E. Greenawalt, New York, N. Y.
Application March 2, 1938, Serial No. 193,380
2 Claims. (Cl. 75—5)



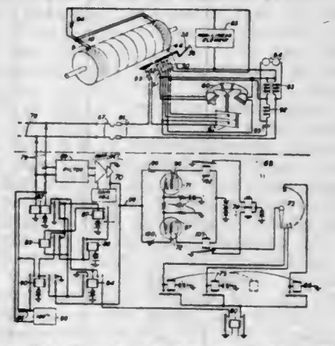
1. The herein described method of sintering ores containing silica, which comprises the arranging of a charge of the finely divided material to form a homogeneous mass with a fuel content below that necessary to effect direct ignition thereof, superposing on the mass a thin layer of material having a greater fuel content than that contained in the mass, igniting the surface of the superposed layer, causing a supporter of combustion to traverse the mass downwardly to effect complete sintering of the mass at a temperature below that necessary for the formation of iron silicates.

2,191,912
PORTABLE WELDER SUPPORT
Albert D. Jardine and Harry V. Beronius, Detroit, Mich.
Application March 5, 1937, Serial No. 129,149
4 Claims. (Cl. 219—4)



1. Apparatus for supporting a welding device and a transformer in counterpoise relation, said apparatus comprising a beam, means connected to said beam between its ends and supporting said beam for rocking movement about a horizontal pivot, means adjacent one end of said beam and adapted to suspend a welding device, and means adjacent the other end of said beam movable in the direction of the length of the beam and adapted to be clamped in adjusted positions thereon, said last named means including a horizontal pivot adapted to support a transformer.

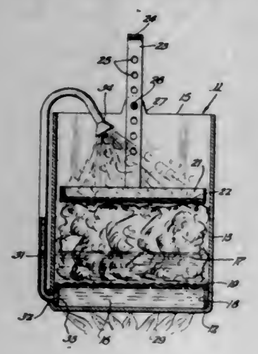
2,191,913
TELEPHONE SYSTEM
Benjamin F. Lewis, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1939, Serial No. 259,530
7 Claims. (Cl. 179—16)



1. In a telephone system, a line, means for

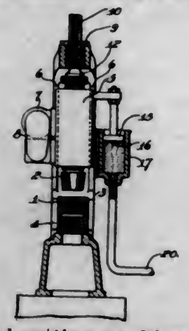
transmitting over said line groups of signals, each group representing a telephone digit and each signal comprising a number of harmonics of a fundamental frequency modified as to their energy levels to identify the digits, and means responsive to said groups of signals for recording the digits represented thereby.

2,191,914
FABRIC CLEANSER
Charles B. Preacher, Sumter, S. C.
Application December 16, 1937, Serial No. 180,127
2 Claims. (Cl. 68—187)



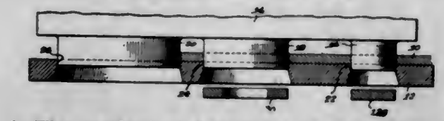
2. A fabric cleaning device comprising a container having side walls, an open top and a closed bottom, said side walls including oppositely disposed portions extending above said open top and having aligned apertures therein, a fabric supporting perforate screen in said container, means for spacing said screen from the closed bottom of said container to provide a boiling and pressure chamber between said screen and said closed bottom, a fabric compressing perforate screen freely slidable within said container to press fabrics to be cleaned against said fabric supporting screen, a pair of vertical screen supporting arms at opposite sides of said fabric compressing screen and extending outside of said container through the open top thereof, said screen supporting arms having a horizontal handle member connecting their outer ends outside of said container and each said screen supporting arm between its outer and inner ends being provided with a vertical series of apertures horizontally aligned with those in the other screen supporting arm respectively to provide a plurality of pairs of horizontally aligned apertures in said arms, a rod of greater length than the diameter of said container removably insertable through the aligned apertures in said side wall portions and any pair of aligned apertures in said screen supporting arms for releasably and adjustably securing said fabric compressing screen within said container relative to the closed and open ends thereof, and a fluid conducting conduit communicating at one end with the pressure chamber, extending therefrom exteriorly of said container and at its other end extending into the open top of said container, whereby a circulation of cleaning fluid is maintainable from said pressure chamber to the upper portion of said container, said fluid conducting conduit having outlet means at its upper end for spraying the circulating cleaning fluid downwardly against the upper surface of the fabrics to be cleaned for circulation downwardly therethrough.

2,191,915
THREAD-CUTTING MACHINE
Edward J. Protin, Charleroi, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 11, 1939, Serial No. 267,220
5 Claims. (Cl. 10—105)



1. In a thread-cutting machine having a movable head for effecting relative axial movement between a die and work to be threaded, apparatus for reducing play in said head comprising a piston connected to said head, a freely movable plunger, and means for entrapping liquid between said piston and said plunger, said plunger being weighted to maintain a constant pressure on the liquid.

2,191,916
METHOD OF FORMING ROLLER BEARING CUPS
Albert J. Schreiber, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan
Application February 28, 1938, Serial No. 193,042
4 Claims. (Cl. 29—148.4)

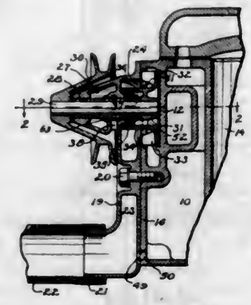


1. The method of forming a race member for a roller bearing assembly which comprises, punching a disk of predetermined diameter from a strip of sheet metal, subsequently punching a ring from the portion of the strip symmetrically about the void provided by the removal of the disk, expanding the ring to increase its inner and outer diameters simultaneously, and upsetting the expanded ring into the form of a hollow, elongated member.

2,191,917
CENTRIFUGAL PUMP
Laurence Spence Sheldrick, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 9, 1936, Serial No. 89,784
1 Claim. (Cl. 308—36.2)

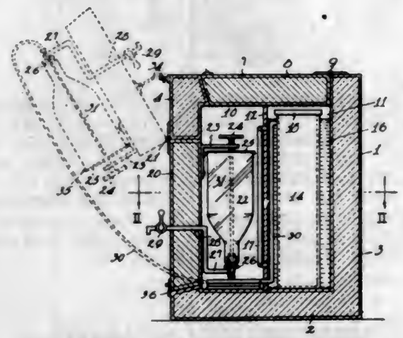
A fluid pump especially adapted for circulating cooling water through an internal-combustion engine comprising, a pump housing having a water inlet passageway therein, which passageway terminates in an opening in said housing which is aligned with an opening in the water jacket of said engine, said pump housing also having an oil reservoir formed therein, and said housing having a drain passageway disposed between said inlet opening and said oil reservoir, a bushing

extending through said reservoir and drain passageway into said water inlet passageway, said bushing receiving oil from said reservoir, a pump shaft rotatably mounted in said bushing having a driving pulley secured to its outer end and having an impeller secured to its inner end within said inlet passageway, said impeller forming an annular radial fluid seal with said pump housing, and said housing having an internal groove



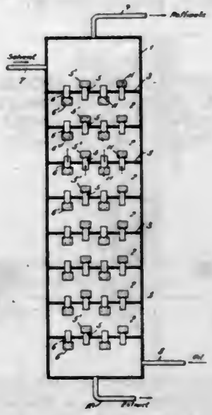
formed therein which extends the length of said bushing receiving opening in the wall which separates said inlet passageway and said drain passageway, said internal groove conducting fluid from between said annular seal and said shaft to said drain passageway, so that water which may leak through said annular seal may escape to said drain passageway without contacting said shaft.

2,191,918
DISPENSING DEVICE
Jacob A. Stadtfeld, San Francisco, Calif., assignor to Donald Colvin, San Francisco, Calif.
Application October 15, 1938, Serial No. 235,271
4 Claims. (Cl. 225—1)



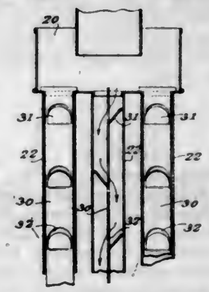
1. In combination, a receptacle having a vertical wall and a door in the vertical wall swingable through substantially 180° on a horizontal axis so as to be movable between open and closed positions, a liquid-holding bottle having a discharge end, means for attaching the bottle to the inner face of the door in substantially upright position with the discharge end of the bottle presented upwardly while the door is open so as to cause the door to reverse the bottle into inverted position with the discharge end of the bottle disposed downwardly when the door is closed, a conduit extending from the discharge end of the bottle and having a faucet on the opposite side of the door.

2,191,919
ART OF REFINING
George Thayer, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application January 21, 1936, Serial No. 60,026
2 Claims. (Cl. 23—270)



1. In an apparatus for the countercurrent treatment of substantially immiscible liquids of different specific gravities, the improvement which comprises a housing, a plurality of vertically spaced horizontal plates mounted within said housing and extending transversely across said housing and dividing it into superimposed compartments, a series of openings in said plates at points distributed throughout the cross-sectional area of said housing, a downwardly extending pipe secured in each of said openings in said plates for the passage of the heavier liquid in a downward direction, said downwardly extending pipes having inverted bubble caps mounted on their lower ends, a second series of openings in said plates at points distributed throughout the cross-sectional area of said housing and an upwardly extending pipe secured in each of the last-mentioned openings for the passage of the lighter liquid in an upward direction, and bubble caps mounted on the upper ends of said upwardly extending pipes, said last-mentioned bubble caps each having a pin hole in the top thereof to promote the escape of gaseous fluids.

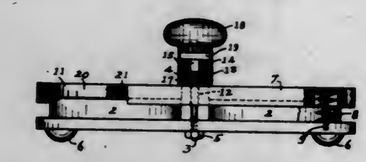
2,191,920
RETORT FOR CHAR KILNS
John C. Wakefield, Winthrop, Mass.
Application April 13, 1936, Serial No. 74,052
2 Claims. (Cl. 202—113)



1. In a char kiln for revivifying filter mate-

rials, a retort made of suitable metallic material, comprising a header, a plurality of tubes of smaller diameter and a baffle plate suspended in each tube having baffles formed therein tilting upwardly, and alternately on opposite sides of the baffle plate leaving holes in said plate through which the filter material is directed and thoroughly mixed as it passes through.

2,191,921
GROUND MEAT MOLD
Roscoe C. Ziringer, Pittsburgh, Pa.
Application October 5, 1938, Serial No. 233,449
2 Claims. (Cl. 107—19)



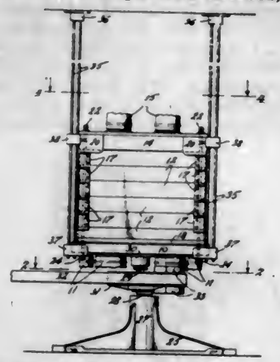
1. In a ground meat mold, the combination of a base plate provided with a plurality of risers having flat top faces and projecting upwardly from the top thereof, a top plate having a flat top face and provided with openings to receive respective risers and disposed above said base plate, a plurality of springs mounted on said base plate and supporting said top plate, the action of said springs elevating said top plate to dispose the top faces of risers below the plane of the top face of said top plate, means for depressing said top plate to dispose the top face of the latter on the plane of the top faces of said risers, and means for securing said top plate in the depressed position.

2,191,922
QUATERNARY METHALLYL AMMONIUM HALIDES
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application November 10, 1936, Serial No. 110,117
7 Claims. (Cl. 260—583)

3. A quaternary ammonium halide containing attached to the nitrogen atom a methallyl group ($CH_2{=}C(CH_3)CH_2{-}$) and a radical containing from eight to twenty carbon atoms inclusive, said radical being a member of the group consisting of open chain, aliphatic hydrocarbon radicals and alkyloxy alkylene, alkylphenyl oxyalkylene, and alkylphenyl poly-oxyalkylene radicals, each remaining valence of the nitrogen atom being satisfied by a member of the group consisting of lower alkyl groups, lower alkylol groups, cycloalkyl groups, phenyl lower alkyl groups, and divalent aliphatic groups that form with the nitrogen atom a heterocyclic, six-membered, saturated ring.

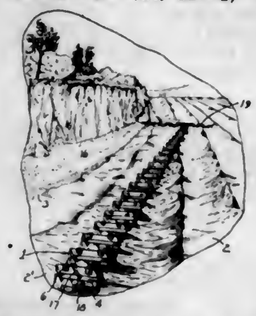
2,191,923
SIFTER
Thomas G. Cecka, Buffalo, N. Y., assignor to International Milling Company, Buffalo, N. Y.
Application May 24, 1938, Serial No. 209,694
11 Claims. (Cl. 209—332)

8. A sifter including a housing, reeds for suspending said housing from an overhead holding means, said reeds being connected with the upper and lower portions of said housing and receiving the weight of said housing through the connection with the lower portion thereof, and means



for applying circular motion to the lower portion of said housing.

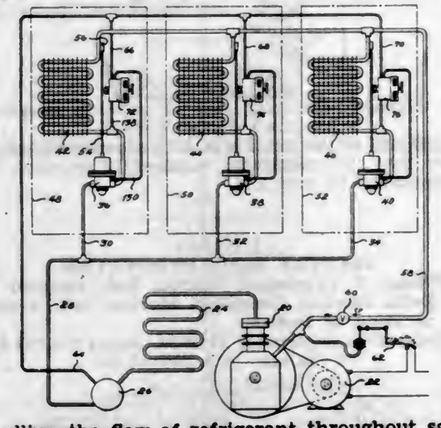
2,191,924
BREAKWATER
Harvey J. Humphrey, Euclid Beach Park, Ohio, assignor of one-half to Dudley S. Humphrey, Euclid Beach, Ohio
Application December 7, 1938, Serial No. 244,464
4 Claims. (Cl. 61—4)



1. A breakwater comprising tiers of superimposed blocks, certain of the blocks of a tier extending in substantially the same parallel direction, and certain of the blocks of the next adjacent tier extending substantially parallel to each other but at an angle to said first mentioned certain blocks, and means for loosely connecting the blocks of one tier with each other and with the blocks of the next adjacent tier.

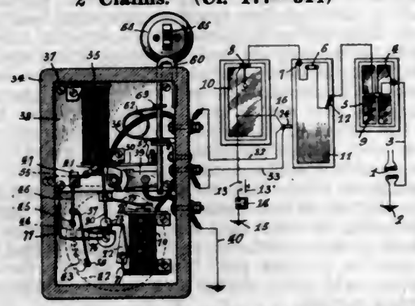
2,191,925
REFRIGERATING APPARATUS
Daniel L. Kaufman, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 30, 1935, Serial No. 18,992
Renewed March 27, 1937
16 Claims. (Cl. 62—3)

1. Refrigerating apparatus including a refrigerating circuit comprising an evaporating means for cooling a medium to be cooled, refrigerant liquefying means for liquefying the refrigerant at a higher pressure than the pressure within the evaporating means for supplying liquid refrigerant to the evaporating means, valve means having an actuating means separate from the refrigerating circuit, means forming a refrigerant passage separate from said refrigerating circuit and being actuated by refrigerant pressure within the liquefying means for controlling the circulation of refrigerant through the evaporating means, and a second valve means for con-



trolling the flow of refrigerant throughout said refrigerant passages connecting the actuating means and the liquefying means for controlling the actuation of the first valve means by the refrigerant pressures.

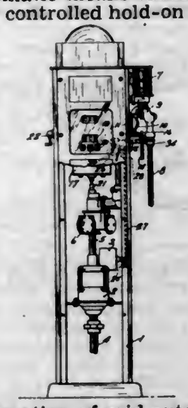
2,191,926
BURGLAR ALARM
Joseph Lemire, Drummondville, Quebec, Canada, assignor of fifty per cent to Norbert Boisvert, Drummondville, Quebec, Canada
Application May 26, 1938, Serial No. 210,219
2 Claims. (Cl. 177—314)



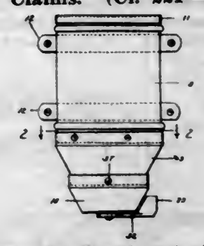
1. In an alarm, an audible signal, means tending to operate said signal, a lock restraining said means, a solenoid having a plunger adapted to trip said lock, a circuit through said solenoid and normally maintaining said plunger in an ineffective position, and a control switch in said circuit and adapted to release said plunger for operation, another solenoid having a plunger, a device operable by said plunger to hold the first plunger in inoperative position with respect to said lock.

2,191,927
CONTROL MECHANISM FOR LIQUID DISPENSING APPARATUS
Joseph A. Logan, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application October 22, 1937, Serial No. 170,338
14 Claims. (Cl. 221—95)

1. In liquid dispensing apparatus having flow establishing means, a register for indicating the quantity of liquid dispensed at each dispensing operation and reset mechanism for zeroizing said register, the combination therewith of controlling mechanism for the flow establishing means comprising means under hand control for causing said flow, automatic means tending to stop said flow, manually controlled hold-on means for preventing the operation of said automatic stopping means, said hold-on means comprising a latch actuated by operation of the reset mechanism, and a handle movable to on and off positions, the on position of said handle serving to render said latch operative, and the off position of said handle serving to render said latch inoperative.

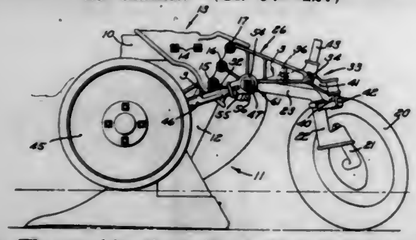


2,191,928
DISPENSER FOR FLUENT MATERIAL
Cleophas McVicker, Cincinnati, Ohio, assignor to Kutol Products Company, Norwood, Ohio, a corporation of Ohio
Application May 4, 1938, Serial No. 206,007
5 Claims. (Cl. 221—108)



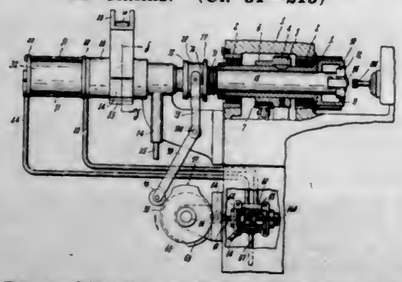
1. A dispenser for fluent material and comprising a container formed with a bottom provided with a relatively small outlet aperture, a baffle plate positioned in the container above and in spaced and aligned relation with said outlet, said plate conforming substantially with the outline of said outlet, a dispensing member mounted in the container for reciprocation on said bottom, said dispensing member comprising three arms receivable between said plate and outlet and defining a pair of recesses each of substantially the same outline as said outlet, an operating handle connected to the dispensing member and operable exteriorly of the container, and means limiting operation of said handle to a back and forth movement, said handle and dispensing member being connected in such relation that movement of the handle to its respective limits carries one of said recesses into full registry with said outlet beneath the baffle plate for dispensing a charge of material while the other of said recesses is carried clear of said plate to receive a full charge of material.

2,191,929
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 21, 1938, Serial No. 209,217
15 Claims. (Cl. 97—127)



1. The combination with a plow having a frame and a furrow forming share supported thereon, of depth gauging means comprising a wheel supporting member pivotally connected to said frame for vertical swinging, and extending rearwardly therefrom, a furrow wheel journaled on said member and positioned to run in the furrow formed by said share, a second wheel supporting member pivotally connected to said frame for vertical swinging and extending forwardly therefrom, a gauge wheel journaled on said second member and positioned to run on the unbroken ground, and means interconnecting said wheel supporting members whereby swinging movement of one of the members causes the other of said members to swing in the opposite direction.

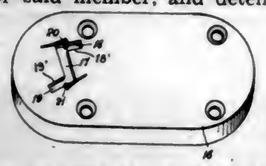
2,191,930
WORK FEEDING MECHANISM
Merton H. Arms, Joseph B. Johnson, and Albert Turner, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application January 28, 1938, Serial No. 187,462
24 Claims. (Cl. 51—215)



1. In combination, a hollow spindle, a chuck at one end of said spindle, means within said spindle for feeding individual work pieces through said spindle and into said chuck, means for actuating said feeding means intermittently means for opening and closing said chuck in timed relation to the feeding of said work pieces, and means for feeding coolant through said spindle to said chuck.

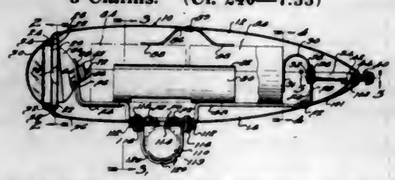
2,191,931
LOCK
Leonard S. Collins, Detroit, Mich.
Application May 29, 1937, Serial No. 145,458
1 Claim. (Cl. 292—173)

In a lock, a bolt, a swinging bolt-actuating lever, said lever in its bolt-projected position moving into the path of said bolt to act as a stop thereagainst, a lever-operating member attached to said lever, a cover plate having a guide slot therein for said member, and detent means at



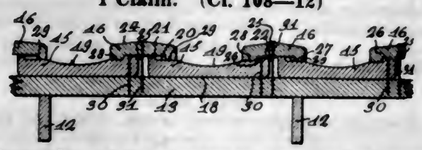
each end of the guide slot with which said member may be manually engaged to prevent its movement in said slot.

2,191,932
BICYCLE LAMP STRUCTURE
William C. Crimmins, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana
Application September 24, 1938, Serial No. 231,468
3 Claims. (Cl. 240—7.55)



1. A bicycle attachment comprising an elongated casing split longitudinally thereof into upper and lower complementary sections, said sections being separable from each other and being shaped to provide an open end and a closed end, a longitudinally extending mounting bracket disposed within said casing and fixed to the lower section, said bracket having upstanding end portions adjacent said open and closed ends respectively, a battery mounting means fixed to said bracket intermediate said end portions, switch elements mounted on the one of said portions adjacent said closed end, a lamp reflector fixed to the other of said end portions adjacent said open end, a resilient switch element fixed to the lower casing and extending rearwardly and upwardly to a position behind and adjacent said first-named switch element, and movable means extending through said casing engaging said resilient switch element so constructed and arranged as to urge said resilient switch element against said other switch element to complete an electric circuit.

2,191,933
ROOFING
Joseph Dubreuil, Taschereau, Quebec, Canada
Application February 10, 1939, Serial No. 255,689
1 Claim. (Cl. 108—12)



In roofing of the character described, a plurality of spaced covering strips having their outer surface shaped to form a centrally disposed longitudinally extending channel and upstanding ridges at the side margins, a plurality of recessed batten strips fitted over the adjacent ridges of each pair of covering strips to cover the space there-between and to overlap the adjacent ridges

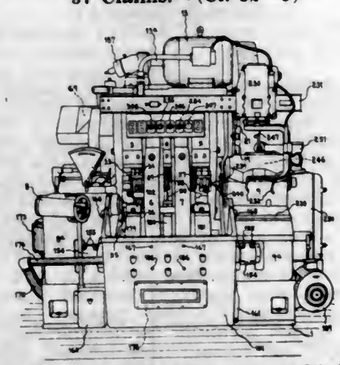
of covering strips, means for securing one side of each covering strip in fixed position, and means extending through the battens and between adjacent covering strips for immovably securing the batten strips in position.

2,191,934
HAT HOLDER
Herman Epstein, Kansas City, Mo., assignor to Ideal Products Company
Application July 11, 1938, Serial No. 218,623
9 Claims. (Cl. 211—32)



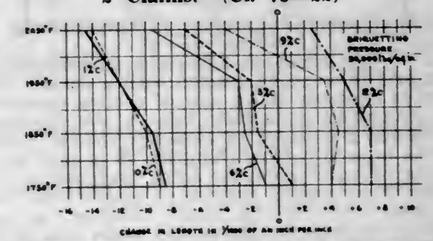
9. A hat rack comprising a flat plate; a laterally extending transverse flange on the plate; an arched clamping element pivotally secured to the base plate adjacent the end thereof remote from said flange; a resilient foot structure on the clamping element cooperating with said flange, when in the normal position, to grip the crown of a hat; a spring yieldably maintaining said element in the normal position; and a finger-engaging member on one end of the clamping element, the said foot structure being carried by the said clamping element and comprising a resilient bracket anchored to the other end of the clamping element and extending downwardly and outwardly toward said laterally extending flange, and a roller mounted on the bracket.

2,191,935
CRANKSHAFT LATHE
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application May 2, 1939, Serial No. 271,304
37 Claims. (Cl. 82—9)



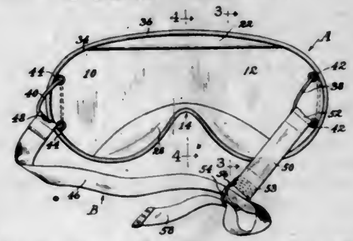
1. In a crankshaft lathe for machining all of the line bearing portions of a crankshaft, a base, tailstocks mounted on said base, center drive mechanism mounted on said base between said tailstocks, tool units mounted on said base and associated with said center drive mechanism, roughing tool feeding devices carried in said tool units for feeding appropriate roughing tools to all of the line bearing portions of a crankshaft held by said tailstocks and center drive mechanism, a finishing tool cradle mounted on said tailstocks adapted to feed finishing tools relative to all of the line bearing portions of said crankshaft, and means for simultaneously effecting feeding motions in said tool feeding device for simultaneously rough turning and finish turning said crankshaft in said lathe.

2,191,936
MANUFACTURE OF POROUS IRON ARTICLES
Fritz V. Lenel, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 10, 1938, Serial No. 195,053
2 Claims. (Cl. 75—22)



1. The method of fabricating articles from sponge iron including carbon in percentages of 3% comprising the steps of: forming a briquette of the desired shape out of intimately mixed finely divided sponge iron and carbon under a pressure of between 30,000 to 45,000 lbs. per sq. in. and of a predetermined size which is slightly less in all directions than the size ultimately desired, and then sintering the briquette so formed in a non-oxidizing atmosphere at a temperature of about 1750° F. for a time sufficient to cause the particles of iron to sinter together and to absorb at least a portion of the carbon and simultaneously cause the sintered briquette to increase in size to substantially the size desired.

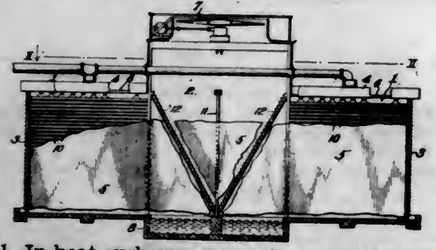
2,191,937
LIGHT SHIELD
Clarence H. Low, New York, N. Y., assignor to Flents Products Co. Inc., New York, N. Y., a corporation of New York
Application December 27, 1938, Serial No. 247,894
4 Claims. (Cl. 2—17)



1. A light shield comprising a light excluding portion adapted to overlie the eyes of a wearer, and means for supporting said portion on the head, said means comprising a flexible elongated member provided with means for adjustably varying its length, short resilient loops slidably carried by said portion, and a slidable connection between said loops and the ends of said

member, said loops being so short that said ends are always maintained in relatively close adjacency to said portions.

2,191,938
COOLING TOWER
Leon T. Mart, Mission Township, Johnson County, Kans.
Application May 9, 1938, Serial No. 206,771
3 Claims. (Cl. 261—111)



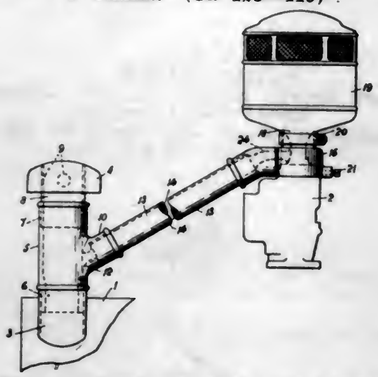
1. In heat exchange apparatus, a cooling tower comprising a casing formed with a central discharge chamber and a pair of cooling chambers at diametrically opposite sides of the discharge chamber, a plurality of vertically spaced cooling decks in each cooling chamber, all of said decks being of equal area, air entry openings on the sides of the cooling chambers opposite their connection with the discharge chamber, an upwardly discharging fan at the upper end of the air discharge chamber, an imperforate partition dividing the discharge chamber into two equal sections at right angles to the cooling chambers, said partition being continuous for the full height of the cooling chambers, baffle means in each discharge chamber section to equalize the flow of air horizontally and in substantially uniform volume in parallel streams across the entire deck areas between adjacent pairs of decks, and means for discharging water onto each of the uppermost decks for downward trickle from deck to deck.

2,191,939
PHOTOENGRAVING
Walter S. Marx, Jr., Los Angeles, Calif., assignor to Printing Arts Research Laboratories, Inc., a corporation of Delaware
Application May 23, 1938, Serial No. 209,492
12 Claims. (Cl. 95—5)



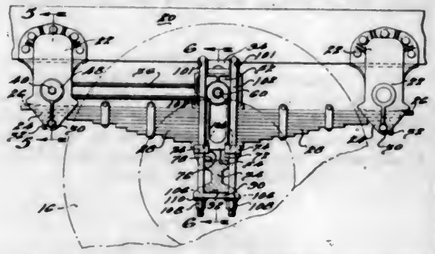
1. The method of rendering a halftone negative free from screen pattern in the highlight sections comprising, treating the remaining sections of the subject with ultra-violet light absorbent and then photographically exposing the negative to the subject so treated in the presence of ultra-violet light only.

2,191,940
ENGINE INTAKE ATTACHMENT
Lorenz Meckl, Detroit, Mich.
Application September 9, 1938, Serial No. 229,138
3 Claims. (Cl. 123—119)



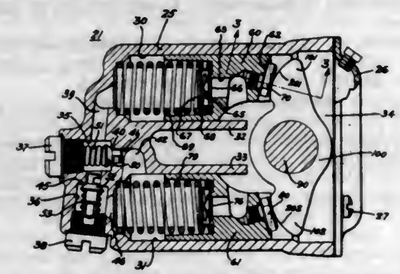
1. In combination with the crank case and charge intake system of an internal combustion engine, a venturi in said intake system, a conduit connecting the upper part of said crank case with said venturi to supply vapors from said crank case thereto as an auxiliary to the engine charge, and an oil condenser interposed in said conduit, said venturi acting in a direction to overcome the resistance of said condenser to the passage of vapors therethrough.

2,191,941
SPRING SUSPENSION
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application December 24, 1938, Serial No. 247,607
3 Claims. (Cl. 280—124)



1. A vehicle spring suspension comprising downwardly directed longitudinally spaced hangers fixed to said vehicle, a leaf spring disposed between and mounted on said hangers, an axle member disposed beneath said spring at substantially the mid-point thereof, a radius rod disposed above said spring, means pivotally connecting one end of said rod to one of said hangers, the other end of said rod extending to a position above the longitudinal mid-point of said spring, means connecting said axle and spring including a first member disposed above said spring substantially miday between the ends thereof, means pivotally connecting said other end of said rod to said first member, said first member having depending side portions integral therewith receiving said spring therebetween with said spring bearing against the under side thereof, a second member engaging the under side of said spring and having guideways receiving the lower ends of said side portions therein, said second member having a depending integral portion with a downwardly directed channel receiving the top of said axle member therein, a third member having an upwardly directed channel receiving the bottom of said axle member therein, and strap means engaging said first, second, and third members thereby rigidly securing said members with respect to said spring and said axle member and connecting said axle member and said spring.

2,191,942
HYDRAULIC SHOCK ABSORBER
Edwin F. Rossman, Dayton, Ohio, and Henry O. Fuchs and Robert B. Burton, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 28, 1938, Serial No. 237,400
4 Claims. (Cl. 267—8)



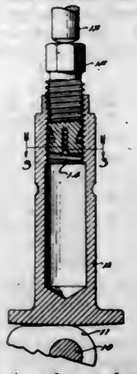
1. A hydraulic shock absorber comprising in combination, a casing providing two cylinders in substantially parallel relation and in communication with each other through valved ducts; a piston in each cylinder, each piston having a sloping head portion oblique relative to its axis and means adapted to provide for the transfer of fluid from one side of the piston to the other; a shaft in said casing; a cam carried by the shaft, said cam having identical, oppositely disposed arms each provided with a curved portion engaging the head of a respective piston, the slope of which opposes rotation of the piston in the cylinder as it is moved by the cam; and a spring urging each piston into engagement with its respective cam arm.

2,191,943
TANNING MATERIAL
Alfred Russell, Urbana, Ill., and John W. Copenhaver, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 23, 1938, Serial No. 226,244
13 Claims. (Cl. 260—45)

1. The process of preparing a material which when in water-soluble form has the property of converting hides and skins to leather which comprises co-condensing a phenol with less than an equimolecular proportion of a disulfonamide and an aldehyde in a strongly acid solution.

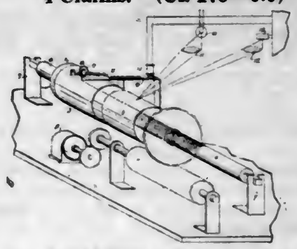
2,191,944
SELF-LOCKING VALVE TAPPET SCREW
Clarence W. Shaw, Grosse Pointe, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 29, 1937, Serial No. 139,776
2 Claims. (Cl. 151—22)

2. A self-locking screw having a pair of integrally connected axially spaced threaded sections, the lead of the thread of one of said sections being offset axially with respect to the lead of the thread of the other of said sections, one



of said sections being formed with an axially disposed slot therein and expanded to provide a structure generally oval in cross-section.

2,191,945
METHOD AND APPARATUS FOR PRODUCING PRINTING PLATES
Elvin J. Tilton, Brownsville, Pa.
Application June 21, 1937, Serial No. 149,359
4 Claims. (Cl. 178—6.6)

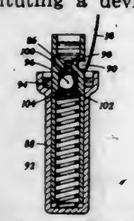


1. In an apparatus for producing in matrix material a semi-toned reproduction of an image, a scanning mechanism arranged for scanning an image to be reproduced in the matrix material by indenting the material, an indenting tool in continuous indenting relation to the matrix and drivingly connected thereto and relatively movable toward and away from that surface of the matrix material which is to be indented, said driving connection between the tool and the matrix material being operative for distributing the indentations along one dimension of the surface of the material, means for effecting relative travel of the tool and the material along the other dimension of the surface of the material in predetermined relation to the operation of the scanning mechanism whereby predetermined distribution of the indentations over the surface of the material is effected in said two dimensions of the material, and means responsive to the scanning mechanism for effecting relative movement of the tool toward and away from the said surface of the matrix material in predetermined relation to the operation of the scanning mechanism.

2,191,946
TENSIONING DEVICE FOR TRANSMISSION CHAINS AND THE LIKE
John Weller, West Horsley, England
Application November 2, 1937, Serial No. 172,476
In Great Britain November 30, 1936
7 Claims. (Cl. 74—242.11)

1. A tensioning device for transmission chains,

belts and like flexible members comprising a flexible strip constituting a slipper conforming to the curvature of the slack side of the flexible member and pressed thereagainst by resilient means, a hydraulic dashpot connected to said slipper and constituting a device for impeding



return movement of the slipper, said hydraulic dashpot including a chamber communicating with the interior of the cylinder thereof and containing a small volume of air enabling the piston of the dashpot to yield slightly under the influence of sudden force applied to it by the flexible member.

2,191,947

COATING COMPOSITIONS

Edward R. Allen, Summit, N. J., and James B. Bullitt, Jr., Swarthmore, and Horace H. Hopkins, Springfield, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 7, 1936, Serial No. 58,020. Renewed August 31, 1939

10 Claims. (Cl. 260—40)

8. A coating composition resistant to yellowing in the film upon aging which comprises an oil modified polyhydric alcohol-polybasic acid resin and pigment comprising a major proportion of white pigment consisting preponderately of titanium pigment, a blue tinting pigment, and a small amount of a maroon pigment selected from the class consisting of Mineral Violet and Cobalt Violet pigments.

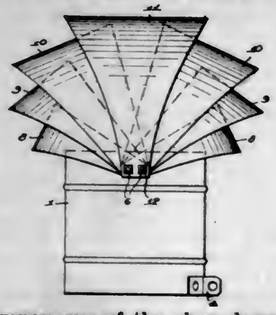
2,191,948

VACUUM CAP FOR CHIMNEYS

Edward Joseph Artis, Caldwell, Idaho

Application September 29, 1938, Serial No. 232,455

2 Claims. (Cl. 98—78)



1. A chimney cap of the class described comprising a tubular body, means for contracting the lower end of the body about a chimney part, two sets of substantially U-shaped members having their ends connected with opposite sides of the upper portion of the body, one set being located to one side of the axis of the body and the other set at the opposite side, and a centrally arranged substantially U-shaped member connected with said opposite sides of the body, each of first-mentioned members tapering from its center to its ends with the inner edge straight and its outer edge curved, and the center member having its edges curving downwardly and inwardly from its transverse center, the spaces between all the members being each of a segment of an oval, the means for connecting all the members to the body including a pair of spaced holes at each of said opposite sides of the upper portion of the body, bolts passing through the holes and through the ends of all the U-shaped members and a pair of nuts on each bolt, said nuts receiving the end parts of the U-shaped members between them.

2,191,949

UREA-FORMALDEHYDE MOLDING COMPOSITION AND PROCESS OF FORMING

Robert W. Belfit, Watertown, Conn., assignor, by mesne assignments, to Plaskon Company Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Continuation of application Serial No. 431,063, February 24, 1930. This application April 4, 1932, Serial No. 603,215

11 Claims. (Cl. 260—69)

1. A process of producing a molding composition which comprises: heating a substantially neutral mixture of urea and aqueous formaldehyde solution in proportions of not substantially less than two moles of formaldehyde to one mole of urea and thus producing a solution of an initial urea-formaldehyde condensation product of stable character; and producing a dry molding composition from said second mentioned solution, a fibrous filler, and a minor portion of thiourea, while keeping the thiourea and condensation product in condition to react with each other when pressed in heated molds, said substances being mixed and treated by steps which include mixing the second-mentioned solution and the fibrous filler and drying the mixture.

2,191,950

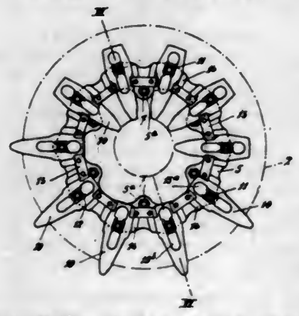
TRACTOR WHEEL

Marcellin Eugène René Bernardon, Paris, France, assignor to Societe Anonyme des Pneumatiques Dunlop, Paris, France, a company of France

Application November 2, 1937, Serial No. 172,479

In France November 7, 1936

4 Claims. (Cl. 301—50)



1. In connection with a vehicle having a hub and a tire the combination of an annular part coaxially carried by said wheel and of a diameter intermediate between the outer diameters of said hub and said tire respectively, said annular member being provided with a plurality of housings extending therethrough, each of said housings having its two axially extending sides convergent toward the center of the wheel; a plurality of blades adapted to be removably engaged in said housings respectively so as to be all located in a common plane at right angles to the axis of said wheel, said blades being in the form of a double wedge, pointed at one end and truncated at the other, so that when engaged in said housings with their pointed ends outwardly they project from the outer periphery of said rim and when engaged in the opposed direction, the truncated ends are retracted with respect to said periphery, the inclination of the edges of said blades that engage in said housings being the same as that of the sides of said housing so that said blades wedge in their respective housings, the blades being provided with median slots parallel to the length thereof; bolts carried by said annular part extending through said slots respectively, nuts screwed on said bolts respectively and applied against the edges of said slots, for fixing said blades in said housings; and small plates carried by said annular part and extending at least partly on the lateral side of said housings respectively.

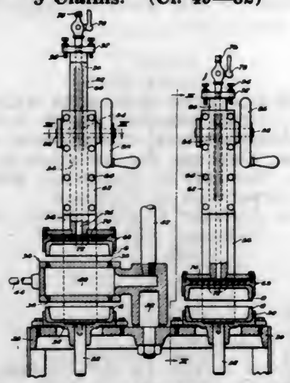
2,191,951

METHOD FOR FORMING SEALED HOLLOW ARTICLES OF GLASS

Henry H. Blau, Charleroi, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application September 8, 1937, Serial No. 162,902

5 Claims. (Cl. 49—82)



1. The method of making sealed hollow bodies of glass from preformed complemental parts which comprises holding the parts so that the portions of the parts to be engaged are in alignment but spaced apart, simultaneously heating the portions to be engaged to soften them, moving the parts in a straight line toward each other until almost together and so that the heated portions are in opposed and closely spaced relation to each other, holding the parts in the stated relation for a predetermined dwell to allow a desired amount of the hot gases to escape from between the glass parts, and then continuing the straight-line movement of the parts toward each other to press the softened portions of the parts together in fused relation to form a hollow body.

2,191,952

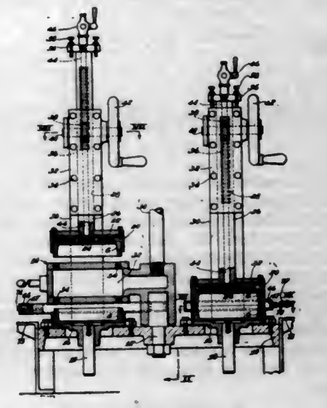
METHOD FOR MAKING HOLLOW GLASS BUILDING BLOCKS

Henry H. Blau, Charleroi, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application September 16, 1937, Serial No. 164,121

5 Claims. (Cl. 49—79)

1. That method of making closed hollow building blocks of glass from a pair of parts, which comprises supporting the parts in spaced-apart alignment, uniformly heating each of the portions of the parts to be engaged to soften them, pressing the parts together by relative movement of the pair of parts to integrally fuse the softened



portions to each other to form a closed hollow building block, and molding the zone of joinder of the parts by the application of pressure simultaneously to the complete zone in a direction toward the block and substantially at right angles to the face of the zone.

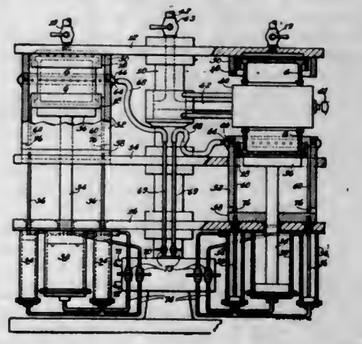
2,191,953

APPARATUS FOR MAKING HOLLOW GLASS BLOCKS

Henry H. Blau, Charleroi, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

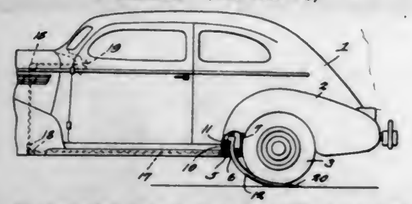
Application October 12, 1937, Serial No. 168,636

5 Claims. (Cl. 49—1)



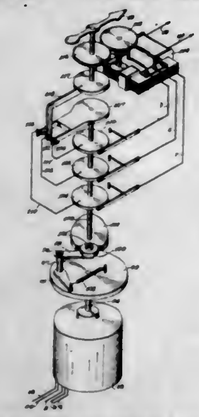
4. Apparatus for making sealed hollow building blocks of glass from a plurality of parts comprising means for heating portions of the parts to soften them, means for effecting relative movement between the parts and the heating means to allow a clear path for movement of the parts together, means for pressing the portions of the parts together in fused relation to form a sealed hollow block, means for directing a blast of cooling fluid uniformly against only the sides and complete zone of joinder of the parts, and means for venting gas away from the parts during the cooling of the sides and zone of joinder thereof.

2,191,954
BRAKE
Ferdinand J. Buffa, Brooklyn, N. Y.
Application May 4, 1939, Serial No. 271,787
4 Claims. (Cl. 188—4)



1. In a brake of the class described, a vehicle-carried support having an opening in its bottom, a mat slidable through the opening, a flexible element connected to the mat and constituting means under the control of an operator for advancing the mat with respect to a wheel of the vehicle, a movable holder on the support and engageable with the mat to press it against the vehicle wheel, and means on the flexible element for moving the holder into mat-pressing position when the flexible element is actuated to advance the mat.

2,191,955
WIND INTENSITY AND DIRECTION TRANSMITTER AND INDICATOR
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 1, 1936, Serial No. 82,988
2 Claims. (Cl. 177—351)



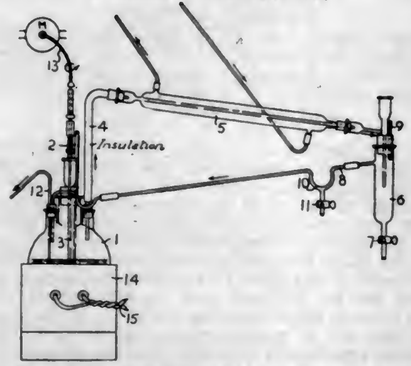
1. In an indicating apparatus for indicating a variable quantity, the combination of a controlling member and a controlled member, a transmitter controlled by said controlling member, a receiver cooperating with said transmitter, and means for connecting said receiver to said controlled member, said means including a pair of relatively rotatable shafts, a lost motion connection for connecting one end of one of said pair of shafts to said receiver, a plurality of electrical contact members positioned on said one shaft, means including a pair of spaced contacts connected to the other end of said one shaft, each of said pair of contacts connected to one of said plurality of electrical contacts, said controlled member connected to one end of the other of said pair of shafts, a contact member positioned on the other end of said other shaft and adapted to contact one or the other of said pair of spaced contacts, said contact member being electrically connected with another of said plurality of contact members, a reversible electric motor drivably connected to said other shaft for controlling said controlled member, shading coils associated with said motor for controlling the direction of rotation thereof, and means for connecting said plurality of contact members to said coils whereby the direction of rotation of said motor is controlled by the direction of rotation of said one shaft.

2,191,956
SLIP-ON COVER FOR SEATS OF PASSENGER VEHICLES
Darius D. Coldren, Schuylkill Haven, Pa.
Application February 27, 1939, Serial No. 258,794
2 Claims. (Cl. 155—182)



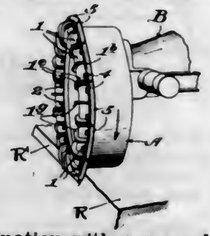
1. A bag-like slip-on cover for seats and backs of seats of passenger vehicles, comprising an elastic body having an extensible opening held normally in a contracted state by an elastic, peripheral, element, and a transverse slot-like opening in the body portion for the reception of a cross-bar projecting from the back of the seat, and a closure for said transverse slot-like opening when not in use.

2,191,957
RESINOUS COMPOSITION AND METHOD OF PREPARING SAME
Donald Edwards Edgar, Philadelphia, and Paul Robinson, Llanerch, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 7, 1936, Serial No. 58,000
8 Claims. (Cl. 260—70)



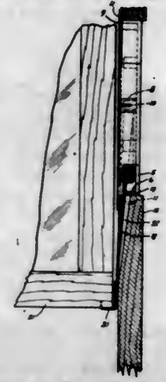
1. In a process for making resins the steps comprising heating in the presence of a catalyst at atmospheric pressure a reaction mixture consisting essentially of a monohydric aliphatic alcohol and the reaction product obtained from a urea and formaldehyde as the essential reactants, distilling and condensing the mixed vapors of alcohol and water evolved, separating the water from the condensate and returning the alcohol from which the water has been separated to said reaction mixture, and continuing said heating with separation of water and return of alcohol to the reaction mixture until substantially two molecules of water for each molecule of combined urea are eliminated and a product is obtained which contains an amount of combined monohydric alcohol equivalent to from one-half to about one molecule of alcohol for each molecule of combined urea.

2,191,958
ASPHALT TRIMMER
Carl F. Greiner, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application October 19, 1939, Serial No. 300,265
15 Claims. (Cl. 262—8)



1. In combination with a ground roller having a rim, an annular series of blade supports mounted on said rim, and an annular series of blades extending from the respective supports normal to the periphery of the roller and forming a substantially continuous circular cutting edge around the said roller.

2,191,959
SASH BALANCE
Leo Hirsh, Los Angeles, Calif.
Application February 7, 1939, Serial No. 255,129
1 Claim. (Cl. 16—198)

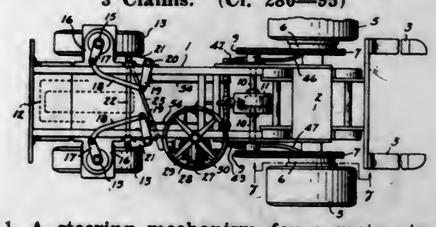


A sash balance as described, comprising a base plate having a lateral flange at each end, a cover plate resting on said flanges and extending beyond the same and forming securing means, said cover plate having inwardly turned flanges at its sides extending over the side edges of the base plate, posts carried by the base plate intermediate the ends thereof and extending out flush with the flanges, screws passing through the cover plate and screwed into said posts forming a closed housing, studs carried by the base plate above and below the posts, a hub rotatably mounted on each stud, a coil spring within each hub and having one end secured thereto and the other end secured to the stud, and ribbons secured to the hub and wound thereon and the free ends passing downwardly from opposite sides of the hubs through openings in the lower flange of the base plate.

2,191,960
UREA-FORMALDEHYDE MOLDING COMPOSITION AND PROCESS OF MAKING
Arthur M. Howald, Pittsburgh, Pa., assignor, by mesne assignments, to Plaskon Company, Incorporated, a corporation of Delaware
No Drawing. Application September 13, 1930, Serial No. 481,807
9 Claims. (Cl. 260—69)

1. An improved molding composition containing a urea-formaldehyde condensation product, suitable for making molded articles by hot pressing, said composition being dry and substantially free of uncombined volatile bodies, and comprising a fixing agent and a primary urea-formaldehyde condensation product having formaldehyde combined with urea in the approximate molar ratio of 2:1, said condensation product being fusible and capable of heat-hardening with liberation of formaldehyde at molding temperatures and said fixing agent being capable of combining with and fixing formaldehyde liberated during said molding, the amount of said fixing agent being sufficient to reduce the overall ratio of formaldehyde to urea and fixing agent to approximately 1.5:1.

2,191,961
STEERING MECHANISM FOR MOTOR VEHICLES
Roy C. Howell, Lakewood, Ohio
Application August 3, 1938, Serial No. 222,856
3 Claims. (Cl. 280—95)

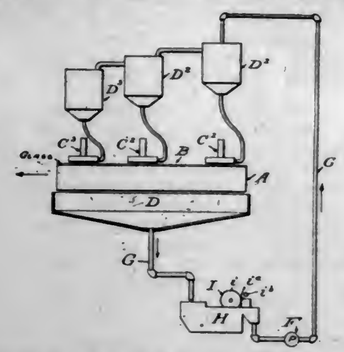


1. A steering mechanism for a motor truck having a frame, a pair of laterally spaced traction wheels and a pair of laterally spaced swiveled steering wheels comprising a support for each steering wheel having a substantially vertical spindle above the wheel and journalled in the frame, each support being adapted to turn substantially 90° in one direction from the position in which its steering wheel is parallel with the traction wheels, an arm fixed to each of said spindles, a shaft on each side of the frame and spaced longitudinally from the spindle on that side of the frame, an arm fixed to each shaft, a link connecting the arms of the spindle and shaft at each side of the frame, arms of equal length fixed to said shafts, the latter arms being non-parallel and at equal and opposite angles to the longitudinal center line of the truck when the steering wheel are parallel to said center line, a link connecting the outer ends of said latter arms, and means for imparting a turning movement to said shafts in either direction to steer the truck.

2,191,962
PROCESS OF USING GRINDING GLASS SANDS
James Rudolph Jones, Kingsport, Tenn., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn., a corporation of New York
Application March 28, 1938, Serial No. 198,589
2 Claims. (Cl. 51—278)

2. The hereinbefore described process which

comprises removing iron particles from the slurry of glass grinding machines, separating the sand



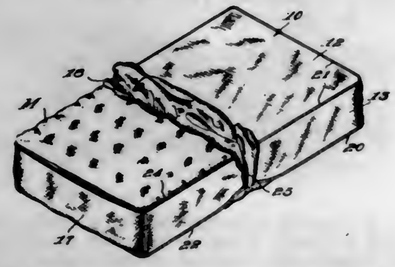
remaining in the slurry according to particle size and feeding the separated sand to glass grinding heads.

2,191,963

MATTRESS COVER AND THE LIKE

Alvin D. London, Baltimore, Md., assignor to Al-lon Manufacturing Company, Inc., Baltimore, Md., a corporation of Maryland

Application October 24, 1939, Serial No. 301,055
4 Claims. (Cl. 5—354)



1. A fabric cover for mattresses and the like comprising a rectangular bottom portion, a rectangular top portion, and an edge portion; the bottom and top portions each being of a single ply throughout its extent, the edge portion comprising a single ply secured to the margins of the bottom and top portions and extending around approximately one half of the cover, and a double ply extending around the other half of the cover with one edge of one ply secured to the margin of the bottom portion and the opposite edge of the other ply secured to the margin of the top portion, the other edges of the plys being free and the two plys overlapping in the applied position of the cover.

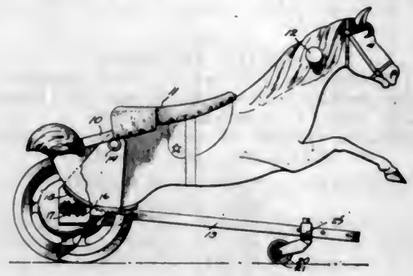
2,191,964

VEHICLE

Earnie W. Lucas, Wilson, N. C., assignor of forty-five per cent to Troy T. Barnes, A. C. Hinton, and R. M. Barnes, all of Wilson, N. C.

Application December 30, 1938, Serial No. 248,609
4 Claims. (Cl. 280—226)

1. In an occupant propelled vehicle having a chassis and a forward wheel-carrying steering axle pivotally connected to said chassis for transverse rotation with respect thereto and a rear wheel-carrying driving axle mounted on said chassis; an occupant supporting member mounted for oscillation in a vertical plane about a pivot near the rear of said chassis, a hand grip on the forward end of said oscillating member, a saddle on the rear of said member adjacent to and for-



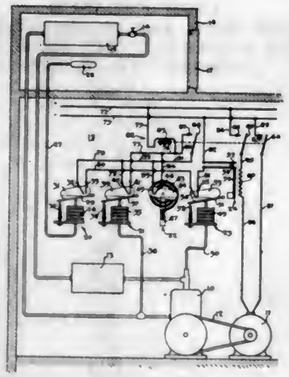
ward of said pivot, and means operatively connecting said oscillating member and said driving axle to cause rotation of said driving axle upon movement of said oscillating member.

2,191,965

REFRIGERATION CONTROL SYSTEM

William L. McGrath, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 16, 1936, Serial No. 101,071
13 Claims. (Cl. 62—4)



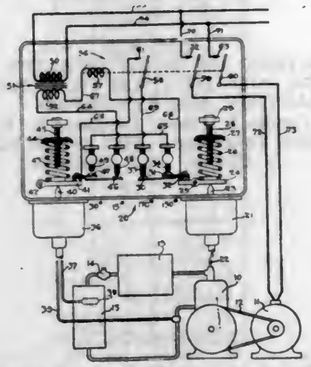
1. A control system for a refrigerating apparatus having an evaporator for controlling the condition of a medium and a mechanism for controlling the circulation of refrigerant through the evaporator, the combination of control means responsive to the condition of the medium controlled by the evaporator, control means responsive to a condition which is a measure of evaporator temperature, means controlled by both control means to operate the mechanism to start circulation of refrigerant through the evaporator only when the condition of the medium rises to a predetermined high value and the evaporator temperature rises to a predetermined value and to stop circulation of refrigerant through the evaporator only when the condition of the medium decreases to a predetermined low value regardless of the evaporator temperature, and means for operating the mechanism to start circulation of refrigerant through the evaporator independently of the condition which is a measure of evaporator temperature.

2,191,966

CONTROL MECHANISM FOR REFRIGERATING APPARATUS

Charles B. Spangenberg, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 16, 1936, Serial No. 101,099
18 Claims. (Cl. 62—4)



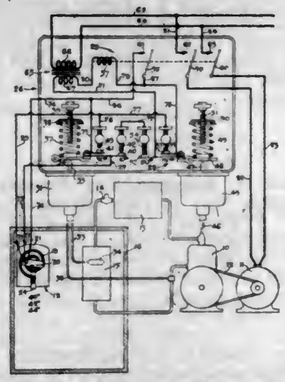
1. A control mechanism for a mechanical refrigerating apparatus including a relay for controlling the operation of the refrigerating apparatus, a switch responsive to changes in a condition which is a measure of a temperature condition for controlling said relay, a switch responsive to changes in pressure on the high pressure side of the refrigerating apparatus for preventing control of the relay by the first switch when the pressure increases above predetermined values, and a housing enclosing the relay and the switches to form a compact control mechanism.

2,191,967

CONTROL SYSTEM FOR REFRIGERATING APPARATUS

Wayland R. Miller, Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 16, 1936, Serial No. 101,107
29 Claims. (Cl. 62—4)



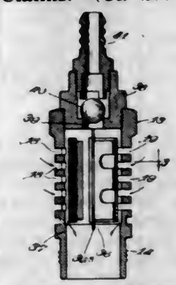
1. A control system for a refrigerating apparatus having an evaporator for controlling the condition of a medium and a mechanism for controlling the circulation of refrigerant through the evaporator, the combination of, control means responsive to the condition of the medium controlled by the evaporator, control means responsive to a condition which is a measure of evaporator temperature, control means responsive to a condition which is a measure of the pressure on the high pressure side of the refrigerating apparatus, means controlled by all of the control means to operate the mechanism to start circulation of refrigerant through the evaporator only when the condition of the medium rises to a predetermined high value, the evaporator temperature rises to a predetermined high value and the pressure on the high pressure side decreases to a predetermined low value and to stop circulation of refrigerant through the evaporator when either the condition of the medium decreases to a predetermined low value, or the temperature of the evaporator decreases to a predetermined low value or the pressure on the high pressure side increases to a predetermined high value, and means for rendering ineffective the control means responsive to the condition which is a measure of evaporator temperature to cause refrigerant to be circulated through the evaporator in accordance with the condition of the medium regardless of the temperature of the evaporator.

2,191,968

ATTACHMENT FOR INTERNAL COMBUSTION ENGINES

George H. Meiser, Chicago, Ill.

Application July 11, 1938, Serial No. 218,705
15 Claims. (Cl. 277—60)



1. A device of the character described comprising a casing having air inlets in its side wall, a valve cage in said casing having lateral projections at its upper and lower ends, and a flexible sheet member between said casing and cage and having slots in its upper and lower edges between its side-edges into which said projections extend, the portions of said sheet at opposite sides of said slots being free to move crosswise of the device into and out of a position for closing said air inlets.

2,191,969

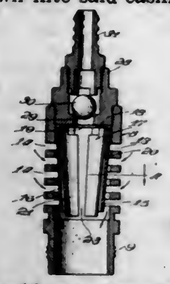
ATTACHMENT FOR INTERNAL COMBUSTION ENGINES

George H. Meiser, Chicago, Ill.

Application July 18, 1938, Serial No. 219,889
5 Claims. (Cl. 277—60)

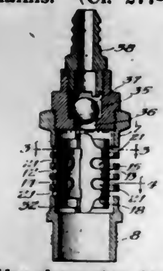
1. A device of the character described comprising a casing adapted for communication with the interior of a cylinder of an internal combustion engine, said casing having an air inlet in its side wall, a valve cage in said casing and spaced therefrom, and a flap valve between said casing and cage and secured in place at its upper marginal portion and presenting a free depending portion extending generally lengthwise of the device and cooperating with said air inlet, said cage having a slot beyond said flap valve and extending generally in the direction of the length of the device and substantially through-

out the length of said cage whereby a portion of the air drawn into said casing passes through



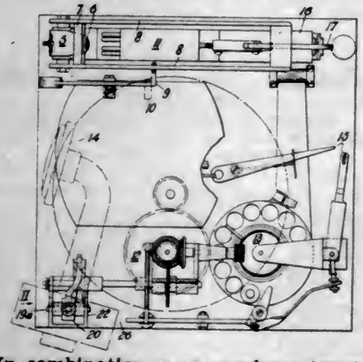
said slot into said cage for discharge from an end thereof.

2,191,970
ATTACHMENT FOR INTERNAL COMBUSTION ENGINES
George H. Meiser, Chicago, Ill.
Application March 20, 1939, Serial No. 262,960
12 Claims. (Cl. 277—60)



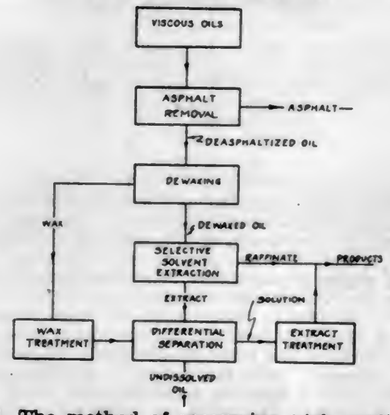
3. A device of the character described comprising a casing having an air inlet in its side wall, a valve cage in said casing formed of separate sections and presenting registering lateral lugs at adjacent edges thereof, and a flap valve between said casing and cage and apertured to receive said lugs.

2,191,971
AUTOMATIC BURGLAR, FIRE, OR LIKE ALARM
Edred Rabjohn Mountstephen, Southend-on-Sea, England
Application January 31, 1938, Serial No. 187,960
In Great Britain February 15, 1937
6 Claims. (Cl. 179—5)



1. In combination, a gramophone turntable, a record disk on said turntable having a pair of annular record bands concentrically disposed, motor means for driving said turntable, a tone arm carrying a sound box, a vertical shaft, a tone arm support mounted on said shaft, to swing in a horizontal plane, said tone arm being mounted pivotally on the support to swing in a vertical plane, means controlled by the motor means for raising and lowering the tone arm, and means to cause rapid traverse of the tone arm over the outer record band while the tone arm is raised.

2,191,972
PRODUCTION OF HIGH QUALITY LUBRICATING OILS BY COLD FRACTIONATION, EXTRACTION, AND SYNTHESIS
Cecilio L. Ocón, Yonkers, N. Y.
Application November 1, 1937, Serial No. 172,088
5 Claims. (Cl. 196—13)

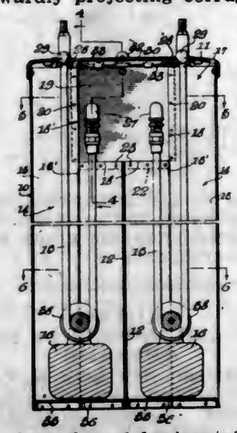


1. The method of recovering high quality lubricating oils from inferior lubricating oil stocks which comprises subjecting a lubricating oil stock to a deasphaltizing process, dewaxing such oil which has been deasphaltized, selectively separating from such deasphaltized and dewaxed oil a relatively more paraffinic fraction, by extracting the relatively less paraffinic constituents, subjecting such extracted constituents to a differential separation by means of normally liquid aliphatic hydrocarbons boiling above 400° F. mixed with a solvent medium for alkyl compounds which differentially extracts desirable lubricating oil constituents of cyclic and unsaturated character but having alkyl side chains which make said constituents soluble in said solvent medium.

2,191,973
HOSE RETRIEVER
Herman C. Sommer, Los Angeles, Calif.
Application May 9, 1939, Serial No. 272,717
1 Claim. (Cl. 242—47.5)

In a hose retriever having two hoses and two vertically movable retrieving members therefor; a relatively tall and slender casing for said hoses and retrieving members, said casing having two opposed longitudinal side walls, each of said side walls being of zig-zag form in horizontal section to provide it with a central inwardly projecting longitudinal corrugation and with two outwardly projecting longitudinal corrugations at opposite sides of said central inwardly projecting corrugation, the two central inwardly projecting corrugations cooperating in vertically dividing the casing into two separate vertical wells for said hoses and retrieving members; the upper end of each of said side walls having a notch at

which the central inwardly projecting corrugation terminates, said notch having vertical edges disposed substantially along the ridges of the outwardly projecting corrugations, vertical plates spaced outwardly from said notches and secured to said outwardly projecting corrugations along

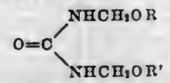


said ridges thereof, and horizontal flanges projecting inwardly from the lower ends of said plates and secured to said side walls along the lower edges of said notches, providing the casing with a non-divided upper portion constituting a storage compartment, said casing having a door giving access to said compartment.

2,191,974
DIETHERS OF DIMETHYLOL UREA AND PROCESS FOR MAKING SAME
Ben E. Sorenson, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1937, Serial No. 180,454
7 Claims. (Cl. 260—553)

1. A process which comprises reacting in the presence of anhydrous magnesium sulfate dimethylol urea and a saturated monohydric alcohol in which the alcoholic hydroxyl group is attached through acyclic carbon to a hydrocarbon radical, said alcohol being selected from the class consisting of aryl alcohols and normal, secondary and iso aliphatic alcohols, and continuing the reaction until the diether of dimethylol urea is formed.

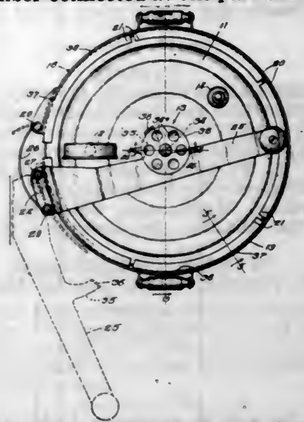
5. An ether of the formula



in which R and R' are hydrocarbon radicals of the class consisting of iso and secondary radicals, said last mentioned radical being joined to the oxygen atom by an acyclic carbon atom.

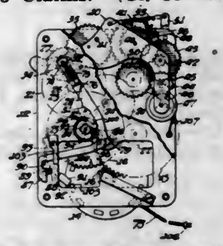
2,191,975
PRESSURE COOKER
Percy W. Stephens, Chicago, Ill.
Application July 6, 1936, Serial No. 89,189
12 Claims. (Cl. 220—61)

12. A retaining device comprising expansible and contractible retaining means having portions movable toward and away from each other upon operation of the device, and operating means for moving such portions toward or away from each other to contract or expand the retaining means, said operating means comprising link means connected with one of said portions and a member connected at one part thereof with



said link means and at another part thereof with the other of said portions and having a handle connected therewith intermediate said parts thereof.

2,191,976
CLOCK
Edward E. Taliaferro, Jackson, Tenn.
Application April 7, 1934, Serial No. 719,539
33 Claims. (Cl. 58—26)



16. In a clock comprising a main frame having front and back plates, a primary movement mounted between said plates in the usual manner, an auxiliary unit comprising a secondary frame having front and back plates, a movement in the secondary frame, and means for removably mounting the auxiliary unit within the main frame with said movements in operable proximity, said means including a bracket removably secured to the plate of one of the frames, said bracket having a journal connection with the proximate plate of the other frame whereby upon loosening of the bracket the auxiliary unit may be removed from the main frame without disturbing the primary movement.

2,191,977
TREATMENT OF STAPLE FIBER
Fritz Schneider, Hans Altgelt, and Wilhelm Neugebauer, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
No Drawing. Application December 17, 1937, Serial No. 180,328. In Germany December 23, 1936
5 Claims. (Cl. 28—1)

1. The process which consists in treating staple fiber material made of regenerated cellulose with

a solution of an enzyme preparation obtained with the aid of a bacterium selected from the group consisting of *Bacillus subtilis* and *Bacillus mesentericus*, the solution being substantially free from the said bacteria.

2,191,978

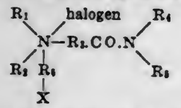
QUATERNARY NITROGEN COMPOUNDS AND PROCESS OF PREPARING THEM

Gerhard Balle, Frankfort-on-the-Main, and Karl Horst, Hofheim in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 6, 1936, Serial No. 104,334. In Germany October 10, 1935

5 Claims. (Cl. 260—482)

1. The products of the general formula:



wherein R_1 and R_2 represent hydrocarbon radicals, R_3 is an aliphatic hydrocarbon radical and R_4 and R_5 represent members of the group consisting of hydrogen, hydrocarbon radicals and aliphatic hydrocarbon radicals substituted by hydroxy groups, R_6 standing for an aliphatic hydrocarbon radical and X representing a member of the group consisting of COOH, COO metal atom, esterified COOH, the products being in pure state colorless compounds.

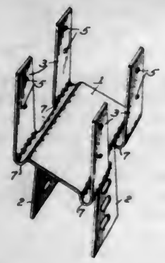
2,191,979

SLEEPER ANCHOR

Charles B. Bierbach, Erie, Pa., assignor to Merwin Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application December 28, 1937, Serial No. 182,120

5 Claims. (Cl. 72—101)



1. A sleeper anchor comprising a body of channel form throughout its length having downwardly disposed flanges extending from opposite sides thereof, adapted for insertion into supporting concrete; and projections extending from opposite sides of the body adapted to secure a sleeper, said flanges and projections being integral with the body.

2,191,980

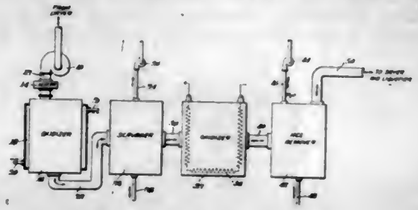
CATALYST FOR USE IN PREPARING CHLORINE

Fredrik W. de Jahn, New York, N. Y., assignor to Alan N. Mann, Scarsdale, N. Y.

Application July 8, 1936, Serial No. 89,521

5 Claims. (Cl. 23—234)

1. A catalyst adapted for use in oxidizing hydrochloric acid gas to chlorine, which contains a chemical compound comprising copper, vanadium and oxygen, and an oxygen compound of a



metal selected from the group consisting of beryllium and magnesium, and an oxygen compound of a metal selected from the group consisting of bismuth and antimony.

2,191,981

CATALYST AND METHOD OF PREPARING THE SAME

Fredrik W. de Jahn, New York, N. Y., assignor to Alan N. Mann, Scarsdale, N. Y.

No Drawing. Application April 29, 1938, Serial No. 205,006

7 Claims. (Cl. 23—234)

4. In the art of preparing a catalyst for oxidizing hydrochloric acid to chlorine, the steps of passing hydrochloric acid gas and oxygen through a catalytic mass comprising a compound which includes the elements: copper, vanadium, oxygen and chlorine at a temperature between about 350° C. and 450° C. and in the proportion of between about 3.85 and 4.25 volumes of hydrochloric acid for each volume of oxygen.

5. A catalyst for oxidizing hydrochloric acid to chlorine comprising the reaction products of copper vanadate treated with hydrochloric acid gas and oxygen.

2,191,982

WATER REPELLENT TEXTILE MATERIAL

Arnold Doser, Cologne, and Otto Bayer and Karl Hintzmann, Leverkusen I. G.-Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 12, 1938, Serial No. 218,800. In Germany July 26, 1937

12 Claims. (Cl. 91—68)

1. Process of rendering textile material water-repellent which comprises treating the material with an aromatic orthohydroxy carboxylic acid compound containing a hydrophobe radical, and with a water soluble complex forming metal compound selected from the group consisting of chromium compounds and zirconium compounds.

2,191,983

CLUTCH MECHANISM

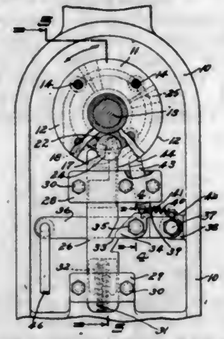
Plummer E. Double, Detroit, and Frank Wascher, Flint, Mich.

Original application July 28, 1937, Serial No. 156,184. Divided and this application July 22, 1938, Serial No. 220,731

1 Claim. (Cl. 192—25)

In a clutch mechanism, the combination of a shaft, a driving plate mounted for rotation on said shaft, a collar keyed to said shaft, a pin resiliently mounted in said collar and arranged to contact said plate, a bar arranged to hold said pin away from said plate, a trip lever, a pawl on

said lever arranged to move said bar, and a cam block on said lever arranged to contact a cam



surface on said collar, whereby said trip lever is controlled during one revolution of said collar.

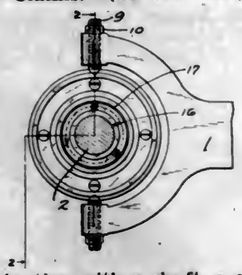
2,191,984

BEARING MOUNTING

Ernest Dunford, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri

Application January 12, 1938, Serial No. 184,539

15 Claims. (Cl. 308—236)



1. In combination with a shaft, a contractable sleeve surrounding said shaft and including a portion with an inner periphery paralleling the periphery of said shaft and spaced therefrom, a rigid collar surrounding said sleeve, means movably mounted on said collar to contract said sleeve to grip said shaft, and a rigid race for an anti-friction device surrounding said shaft and having a portion gripped by said sleeve portion as said sleeve is contracted by said means.

2,191,985

METHOD OF UTILIZING COMBUSTION GASES

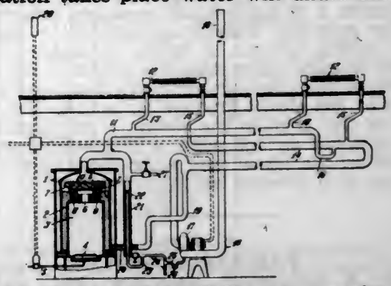
Clayton A. Dunham and Aubra R. Dunham, Glencoe, Ill., assignors to Experimental Laboratories, Incorporated, Chicago, Ill., a corporation of Illinois

Application December 27, 1937, Serial No. 181,905

15 Claims. (Cl. 237—81)

9. Method of heating which comprises: circulating through a radiating system at an initial pressure slightly below atmospheric pressure and at an initial temperature of about 190°–212° F. a mixture of combustion gases containing sulphur and from 25% to 50%, by volume, of water vapor.

13. Method of forming and circulating through a radiating system a gaseous medium comprising combustion gases containing sulphur, which method comprises lowering the initial temperature of the medium by transferring to a body of water a portion of the heat from the combustion gases directly after the combustion process to convert this water to water vapor which is immediately added to the combustion gases in sufficient quantity so that at all places where condensation takes place water will dilute the sulphuric acid to a substantially non-corrosive condition, the medium being formed and circulated under sub-atmospheric pressures by exhausting the non-condensible portion of the medium from the radiating system.



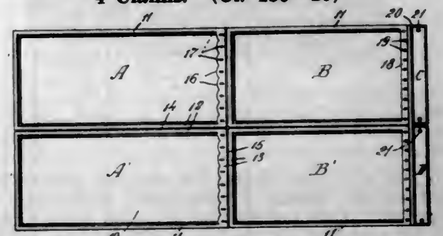
2,191,986

TEXTILE FABRIC

Luis G. Egger, New York, N. Y., assignor to Seneca Textile Corporation, New York, N. Y., a corporation of New York

Application May 6, 1939, Serial No. 272,103

4 Claims. (Cl. 156—10)



2. A piece of textile material having a flocked border band and having a series of alined delineated unflocked portions surrounded by the flocking adapted and arranged to be cut out to form openings for receiving curtain rods, the flocking serving to prevent raveling of the textile material when said material is cut.

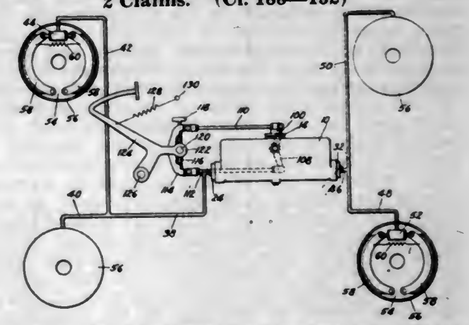
2,191,987

BRAKE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application May 22, 1937, Serial No. 144,117

2 Claims. (Cl. 188—152)



1. In a fluid pressure braking system, a reser-

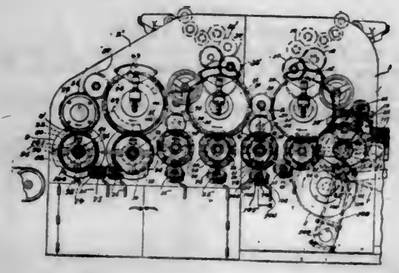
voir, a pair of oppositely disposed cylinders arranged in the bottom of the reservoir and supplied therefrom, fluid pressure actuated motors connected to the cylinders, brakes actuated by the motors, a piston reciprocable in each of the cylinders, a rockable shaft mounted transversely of the reservoir, linkage connecting the shaft to one of the pistons, a sleeve rotatable on the shaft, linkage connecting the sleeve to the other piston, a yoke, linkage connecting one end of the yoke to the shaft, linkage connecting the other end of the yoke to the sleeve, a screw mounted for rotation on the yoke, a pintle mounted for travel on the screw, and a foot pedal lever having an arm pivoted on the pintle.

2,191,988

PRINTER SLOTTER

Henry B. Greenwood, Glen Arm, Md., assignor to F. X. Hooper Company, Inc., Glen Arm, Md., a corporation of Maryland

Application March 8, 1938, Serial No. 194,660
7 Claims. (Cl. 93—58.2)



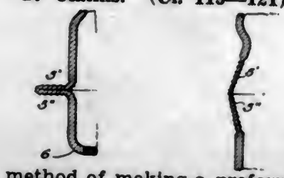
1. In a printer slotter for making printed and slotted box blanks of corrugated board and the like from plain blanks, the machine being adapted to successively feed individual plain blanks, and to accelerate them to high operating speeds, said machine having a reciprocating feed, pairs of cooperating rotating members comprising parallel pull rollers exerting suitable feeding pressures and pairs of cooperating parallel printing and impression cylinders, slotting rollers and the like, means whereby one member of some of said pairs is mounted in adjustment and is adjusted toward and from the other member of said pair comprising journals at the opposite ends of said adjustable member, the said printer slotter having continuous side frames with rotary carriers one for each of the journals of each said adjustable member mounted in circular seats in said side frames, a bearing for each said journal eccentrically mounted in the corresponding carrier, adjusting means for rotating the carriers for each adjustable member, equally and simultaneously, to move the same toward and from its cooperating member, maintaining the parallelism of the cooperating pairs of rotary members, a drive gear for each said adjustable member supported with its axis stationary and disposed in the same direction as and in approximate alignment with the axis of said adjustable member, means for driving each said drive gear at substantially constant and uniformly related speeds and means for transmitting torque and motion from the drive gear to the corresponding roller, or cylinder, and maintaining a uniform angular relation between each said gear and its corresponding roller, or cylinder, in all positions of adjustment.

2,191,989

METHOD OF MAKING CONTAINER CAPS OR CLOSURES

Charles Hammer, Garden City, N. Y.

Original application July 21, 1937, Serial No. 154,747, now Patent No. 2,175,350, dated October 10, 1939. Divided and this application June 1, 1939, Serial No. 276,820
10 Claims. (Cl. 113—121)



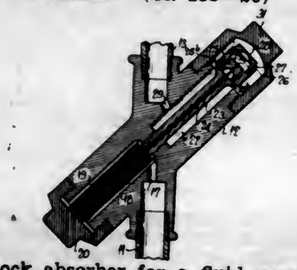
1. The method of making a preformed closure cap capable of reuse for the life of the container and having a skirt with locking elements therein for rotatably securing the cap onto a container which consists in providing the skirt with a weakened-wall shallow groove on the interior by thinning the walls of the groove throughout and then compressing the two walls only of the groove into juxtaposition to form an annular projection having a weakened portion.

2,191,990

SHOCK ABSORBER FOR FLUID PRESSURE LINES

John R. Jordan, Jackson Heights, N. Y.

Application February 15, 1937, Serial No. 125,893
2 Claims. (Cl. 138—26)



1. A shock absorber for a fluid pressure line comprising a cylindrical casing disposed in said line and having its longitudinal axis disposed at an intersecting angle to the said line, said casing having a pair of alined cylindrical bores therein connected at their proximate ends by a smaller threaded bore, a pipe having its lower portion threadably mounted in said threaded bore and having a constriction extending longitudinally of the same, said pipe having an enlarged cavity in its upper end, a cap member threadably secured on the upper end of said pipe and having a hole disposed centrally thereof, a clearing stem mounted for movement in said constriction and having a head on the upper end thereof provided with a transverse slot in its upper surface, said head being adapted to engage said cap when the stem is moved upwardly in said constriction, said casing having a port communicating with one side of the line and the lower of said cylindrical bores and also having another port communicating with the upper of said cylindrical bores and the other side of said line.

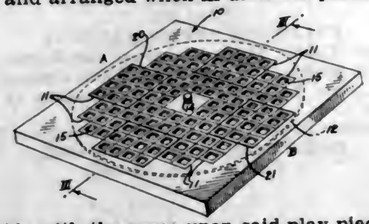
2,191,991

GAME APPARATUS

Taliesen A. Lloyd, Los Gatos, Calif.

Application May 22, 1939, Serial No. 275,025
6 Claims. (Cl. 273—136)

1. In a game apparatus, the combination of a play piece supporting surface having areas thereupon from one to the other of which a playing piece is adapted to be moved, the movements of the playing pieces of each player being limited to areas of a predetermined character, a disc rotatably mounted below and visible through said play piece supporting surface having different area designating characteristics formed thereupon and arranged when in different positions to



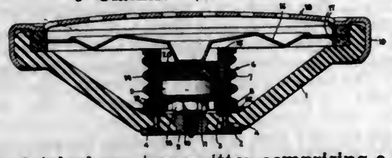
coincide with the areas upon said play piece supporting surface, and means for spinning said disc to bring the same or different designating characteristics thereupon into register with the areas upon said surface when said disc stops spinning, whereby the possible movements of the playing pieces of each player in his turn will be determined by the point at which said disc comes to rest with respect to the areas upon said play piece supporting surface.

2,191,992

TELEPHONE TRANSMITTER

Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 31, 1937, Serial No. 134,044
9 Claims. (Cl. 179—122)



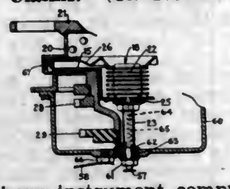
1. A telephone transmitter comprising a housing of insulating material, a resistance unit centrally disposed therein, comprising a metal bellows serving as an enclosure for said unit and electrically in contact therewith, a metallic diaphragm supported by said housing and arranged to exert pressure against said unit, and means for insulating said diaphragm from said unit.

2,191,993

TELEPHONE HAND-SET WITH COMBINED TRANSMITTER AND DIAL

Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 28, 1937, Serial No. 139,492
3 Claims. (Cl. 179—103)



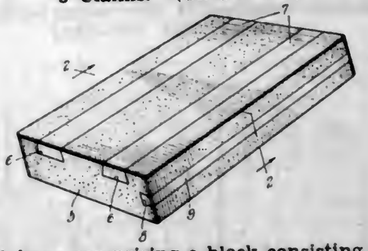
1. A telephone instrument comprising an impulsing dial having a hollow rotatable shaft and a sound translating transmitter capsule positioned within said hollow shaft and supported independently thereof.

2,191,994

HONE

Sigval E. Ordal, Chicago, Ill.

Application February 7, 1938, Serial No. 189,055
3 Claims. (Cl. 51—211)



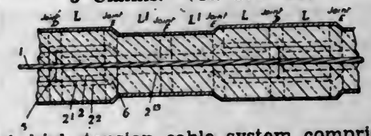
2. A hone comprising a block consisting of alternate strips of lead and abrasive material forming the honing surface thereof.

2,191,995

HIGH TENSION ELECTRIC CABLE

Thomas Robertson Scott and Raymond Charles Mildner, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application April 22, 1936, Serial No. 75,710
In Great Britain August 19, 1935
3 Claims. (Cl. 174—36)



1. A high tension cable system comprising a first and a second length, the first length having between the conductor and the cable sheath two spaced inner sheaths and a screen positioned between said sheaths, and the second length having a single inner sheath positioned between the conductor and the cable sheath, the single inner sheath of said length last mentioned being electrically connected to the two inner sheaths of said first mentioned length at the joint between said cable lengths and said screen being electrically connected to said conductor.

2,191,996

LUBRICATING OIL

Bernard H. Shoemaker and Clarence M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

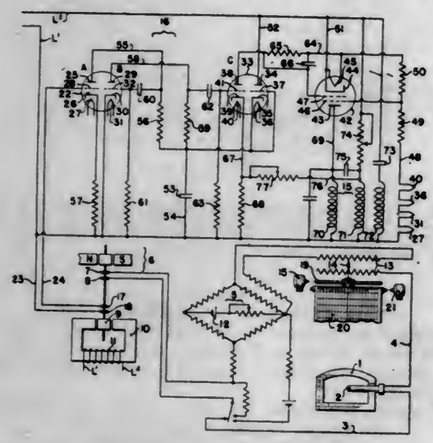
No Drawing. Application November 23, 1936, Serial No. 112,295
8 Claims. (Cl. 87—9)

1. The method of preventing corrosion to hard metal alloy bearings in the presence of highly refined lubricating oils normally corrosive to such bearings in internal combustion engines which comprises adding to said lubricating oils in an amount sufficient to inhibit such corrosion an organic phosphorous compound having the general formula

$$P\begin{cases} X'-R_1 \\ X''-R_2 \\ X'''-R_3 \end{cases}$$

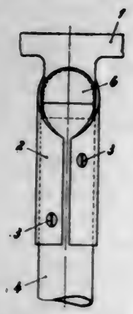
in which X' is sulfur, X'' and X''' are elements selected from the group consisting of oxygen and sulfur and R_1, R_2 and R_3 are substituents selected from the group consisting of hydrogen, alkyl radicals and aryl radicals, at least one of which is selected from the group consisting of alkyl radicals and aryl radicals.

2,191,997
MEASURING AND CONTROL APPARATUS
Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 24, 1938, Serial No. 231,567
16 Claims. (Cl. 172—239)



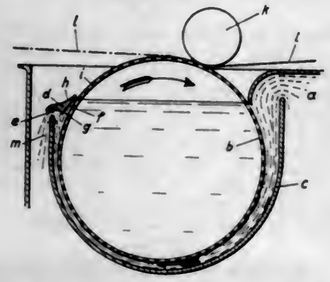
1. The combination with an electrical network having an electrical characteristic to be regulated of an automatic regulator therefor including a device responsive to changes in said characteristic from a predetermined state and a rotating field motor, said motor having a winding permanently connected to said device, impedance means connected in said network adapted to be varied by said motor to restore said electrical characteristic to said predetermined state on departure therefrom, and means for arresting the network regulation substantially at a desired point including an electrical conductor having only a fixed resistance therein connected between said winding and said network.

2,191,998
ARRANGEMENT FOR FIXING HANDLES OF STEEL TUBE IN FORKS, SPADES, OR OTHER IMPLEMENTS
Friedrich Stahl, Werdohl, Germany, assignor to Stahlwerke Brüninghaus Aktiengesellschaft, Werdohl in Westphalia, Germany
Application December 6, 1938, Serial No. 244,166
In Germany January 25, 1937
1 Claim. (Cl. 306—21)



Means for securing a tubular metal handle to an implement socket, comprising a wooden plug fitting the implement end of the handle and a sealing metal cap for said end shouldering thereon flush therewith and having a portion extending within the said end of the tubular handle, together with wood screws passing through the socket and tube into said wooden plug when the handle is inserted in the socket.

2,191,999
CYLINDER PAPER MACHINE
Wilhelm Thaler, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y., a corporation of New York
Application September 15, 1937, Serial No. 163,907
In Germany September 18, 1936
1 Claim. (Cl. 92—43)

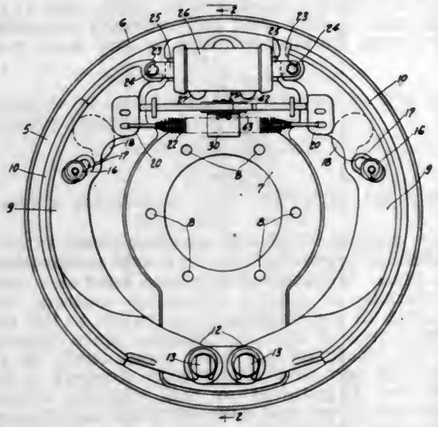


In a cylinder paper machine having a rotatable cylindrical sieve and a stock vat partially surrounding the same for holding stock, whereby a sheet of fibers is formed on the sieve during its rotation in the stock vat, the combination therewith of a stock guiding device disposed at the outlet of the stock vat, having a wall upwardly inclined to the sieve surface forming a narrow nozzle-like converging space therewith, the highest point of said wall being nearest the sieve surface, and having a second wall downwardly inclined to said first wall from said highest point to cause fluid to flow away from said highest point and to prevent fluid accumulations at said highest point, and having a third wall facing the stock flow at the outlet of the stock vat inclined to the first wall and forming an acute angle therewith, said third inclined wall having a concave curved portion to receive the stock not entering the nozzle-like space and divert it in a curved uninterrupted flow away from the sieve.

2,192,000
ACTIVATION OF CLAYS
William S. Wilson, Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 19, 1936, Serial No. 116,715
2 Claims. (Cl. 252—2)

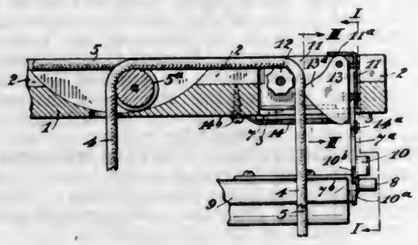
2. The method of activating clay by means of sulphuric acid, characterized in that clay of a fineness such that approximately 98% passes through a 200 mesh screen and contains from 5 to 18% water is admixed with from 25 to 50% of its weight of substantially 100% H_2SO_4, after which the mixture is denned to permit completion of the reaction under conditions which avoid loss of heat generated by the reaction whereby the temperature attains approximately 120° to 145° C., thereafter leaching the water soluble salts from the reaction mass by means of water and finally drying the residual clay product.

2,192,001
BRAKE
Ronald H. Bolster, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 25, 1938, Serial No. 242,176
5 Claims. (Cl. 188—78)



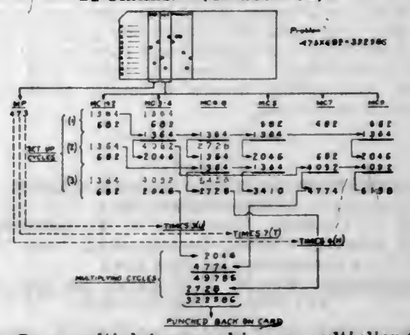
1. A brake actuating mechanism including two flat coplanar brake shoe engaging arms having adjacent oppositely curved ends, a lever extending in the plane of said arms and pivoted therebetween, said lever having cam portions on opposite sides of its pivotal support engaging said arm ends, and means overlying said cam portions and arm ends and pinned to said arm ends for rotation about said lever pivot upon actuation of the lever for maintaining said arm ends against displacement from said cam portions.

2,192,002
VENETIAN BLIND CORD-CONTROLLING ORGANIZATION
Scott R. Bond, New York, N. Y., and Hans K. Lorentzen, Montclair, N. J.; said Bond assignor to said Lorentzen
Application December 12, 1936, Serial No. 115,466
2 Claims. (Cl. 156—17)



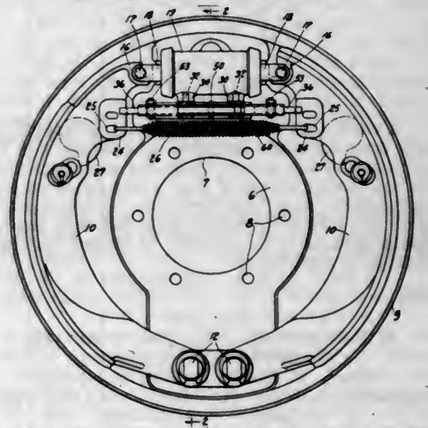
1. A cord lock comprising: a pulley over which a pair of cords pass in side-by-side relation; the cord-engaging surface of the pulley having coarse transverse corrugations; and a pivotally movable rubber locking dog movable by cord contact to wedge the pair of cords against said pulley and into the space between the apices of successive corrugations, the cord-contacting face of the dog being concave to urge the cords toward one another as the dog moves into cord-locking position.

2,192,003
ACCOUNTING MACHINE
James W. Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 12, 1934, Serial No. 748,056
14 Claims. (Cl. 235—61)



14. In a multiplying machine, a multiplier factor receiving device, and plural means for receiving and accumulating a multiplicand and multiples thereof, readout means controlled by said receiving and accumulating means for reading out all digital multiples of the entered multiplicand, means for effecting an entry of the multiplier in said device, means for effecting an entry of a multiplicand in predetermined ones of said receiving and accumulating means, means for causing entries of multiples based on the entered multiplicand in certain of said receiving and accumulating means under control of certain readout means for forming predetermined multiples in said receiving and accumulating means and rendering available for readout from the readout means all digital multiplicand multiples, a product accumulator, and means controlled by said multiplier factor receiving device in accordance with the digital values represented therein for causing entry of a single multiplicand multiple in said accumulator under control of said readout means for each multiplier digit.

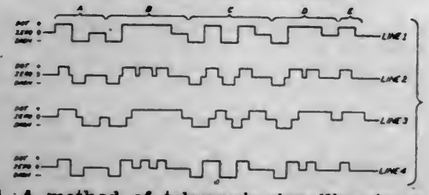
2,192,004
BRAKE
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 25, 1938, Serial No. 242,168
11 Claims. (Cl. 188—106)



3. In combination, a backing plate, a pair of

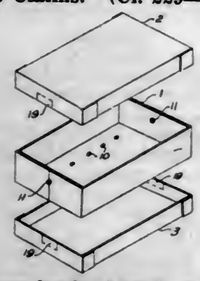
brake shoes pivotally mounted thereon, a box-section open-ended guide secured intermediate said shoes, a pair of oppositely extending arms guided for reciprocable movement therein and adapted to have limited transverse rocking movement, an actuating lever extending laterally into said guide and pivoted intermediate the ends of the arms, said lever having cam portions engaging said arm ends for moving the arms in opposite directions and transversely rocking the same upon rotation of the lever to move said shoes apart, and spring means normally tending to contract said shoes.

2,192,005
METHOD AND MEANS FOR CABLE TRANSMISSION
Alder F. Connery, Brooklyn, N. Y., assignor to All America Cables, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1938, Serial No. 208,368
15 Claims. (Cl. 178—63)



1. A method of telegraph signalling to avoid distortion of received signals which comprises transmitting signals as a series of impulses of different nature, and variably controlling the duration of the impulses transmitted in dependence upon the type of signal impulse preceding and following said transmitted impulse.

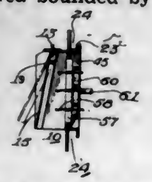
2,192,006
CONTAINER
William Harrison Cook, Ottawa, Ontario, Canada
Application September 20, 1937, Serial No. 164,644
8 Claims. (Cl. 229—6)



1. A container for food products comprising an inner tray member adapted to contain the food products and top and bottom box members fitting over said inner member with their edges in abutting relation, said inner member having ventilating vents, and adjustable flaps on said top and bottom members positioned to cover the outer openings of said vents.

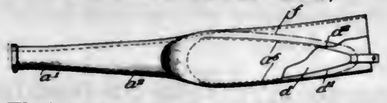
2,192,007
AIR-FLOW REGULATOR FOR AIR-CONDITIONING SYSTEMS
Henry E. Durst, Philadelphia, Pa.
Application October 31, 1936, Serial No. 108,521
1 Claim. (Cl. 98—106)

A room air-flow regulator of the character described comprising a rectangular frame formed from channel shaped members adapted to receive the marginal wall portions defining the outlet within which said regulator may be disposed, a rectangular hood flanged at the outer edges thereof mounted within said frame and including a generally horizontal upper wall and generally vertical side walls, an adjustable air-deflector plate pivotally secured near its upper edge to the side walls of said hood and generally completely occupying the area bounded by said hood walls,



said deflector plate being devoid of external adjusting means and having lateral flanges in frictional engagement with said hood side walls, a plurality of readily adjustable shutters, controlling an area generally equivalent to the projected area of said air-deflector plate, disposed at the mouth of said hood substantially in advance of said air-deflector plate, thereby to permit the adjustment of said shutters without hindrance from said deflector plate, and shutter-operating means projecting exteriorly of said shutters and into the room.

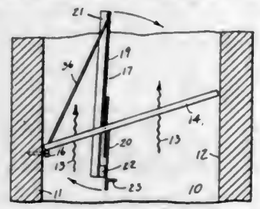
2,192,008
MANUFACTURE OF PROPELLER BLADES
Edward Fayette Gehret, Jersey Shore, Pa., assignor to Aviation Manufacturing Corporation, Williamsport, Pa., a corporation of Delaware
Application May 26, 1938, Serial No. 210,126
10 Claims. (Cl. 29—156.8)



1. That improvement in making a hollow steel propeller blade from a seamless tubular blank, which comprises reducing in diameter and shaping one end portion of the blank to form a shank, bending on a curve relatively to the axis of the shank the portion of the tubular blank which is used to form the working faces, flattening the bent tubular portion of the blank in a plane substantially parallel to the plane of the bend to form faces, trimming the flattened blank through both faces approximately to trailing edge and tip contour, and leaving the faces integrally joined and longitudinally curved substantially along the entire leading edge contour to the tip, joining together the faces along the trailing edge and around the tip, and shaping the faces to pressure and suction face contour with a leading edge curved and seamless substantially along the entire length of the face and to the tip.

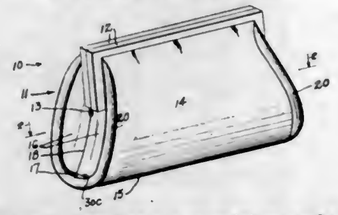
2,192,009
ANTI-BACK-DRAFT DAMPER
Paul R. Jordan, Indianapolis, Ind.
Application October 1, 1938, Serial No. 232,768
3 Claims. (Cl. 98—119)

1. In combination with a flue, a damper frame having a draft opening therein, a support for an edge of said frame secured to a wall of said flue, said frame resting on said support and being inclined upwardly therefrom within said flue and having its opposite edge resting against the opposite wall thereof, and a damper blade pivotally



mounted on said frame and adapted to close said opening therein.

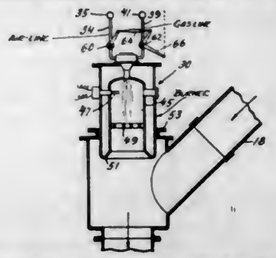
2,192,010
LADY'S HANDBAG AND METHOD OF MAKING THE SAME
Jacob Kaplan, New York, N. Y.
Application March 6, 1939, Serial No. 260,039
6 Claims. (Cl. 150—28)



1. A lady's handbag comprising a bag body open at the top and having a one piece pliable bottom and side wall structure, the latter comprising side walls and integral lateral extensions extending continuously along the ends of the bottom and side wall structure and forming gussets and being interconnected along the longitudinal central plane of the bag body, and reenforcing stuffed tubular elements at each end of the bag body, each extending continuously around the bottom and along the ends of the side walls between the latter and the said extensions, and said elements being continuously united to the bag body so as to appear as a part thereof and to shape otherwise highly pliable parts of the bag body, said extensions being cut away at the bottom of the bag body and being interconnected at the cut away edges with the lines of interconnection being directly along a side of each of the tubular elements at the bottom of the bag body to cause the bottom portions of the tubular elements to have a relatively large curvature.

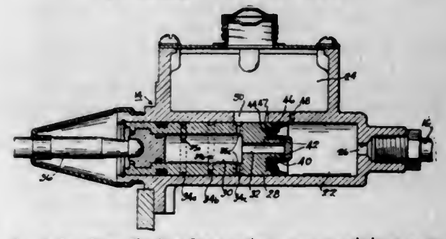
2,192,011
APPARATUS FOR PREVENTING CONDENSATION IN GAS MAINS
Karl Koller, Budapest, Hungary
Application June 30, 1937, Serial No. 151,255
2 Claims. (Cl. 48—190)

1. Apparatus comprising in combination a gas main for conveying combustible gas containing condensable constituents, means for preventing deposition of said constituents in said main comprising a burner for producing hot products of combustion, means for introducing said products of combustion into said main in amount and at a temperature sufficient to prevent the temperature of said combustible gas from falling below its dew point during flow through said main to its destination, means for feeding air to said burner, means for withdrawing a portion of the gas from said main and feeding it to said burner, and means responsive to pressure conditions within said main for preventing flow of



air and gas to said burner when the pressure within the main falls below a predetermined minimum.

2,192,012
MASTER CYLINDER FOR HYDRAULIC BRAKES
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 4, 1935, Serial No. 4,802
3 Claims. (Cl. 60—54.6)

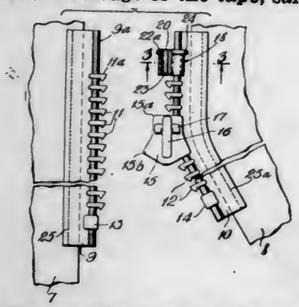


1. A hydraulic brake system comprising a master cylinder, a reservoir formed integral with said master cylinder, a wheel cylinder, means for connecting said cylinders, said master cylinder being formed with a bore provided at one end with an opening leading to said connecting means and having a piston positioned in said bore which piston is formed with a central concentric recess connected at all times with said reservoir, is formed with a passage leading from said recess to the front of the piston, is formed with a forwardly extending concentric projection, and is provided with an annular sealing cup having an outer flange contacting with the outer wall of said cylinder and having an inner flange contacting with the sides of said projection, the outer flange serving to seal said cylinder to prevent fluid from passing rearwardly around the sides of the piston and the inner flange serving normally to prevent fluid from passing rearwardly from the forward portion of said cylinder through said passage to said recess.

2,192,013
END STOP FOR SEPARABLE FASTENERS
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application August 24, 1937, Serial No. 160,568
4 Claims. (Cl. 24—205)

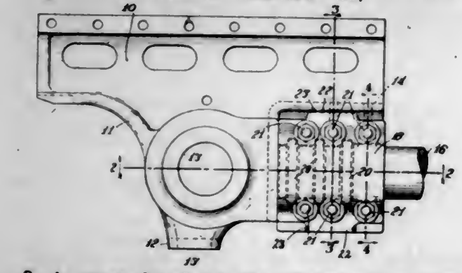
4. As an article of manufacture a single stringer of a separable fastener of the class described, said stringer comprising a tape having coupling links arranged at spaced intervals along one edge thereof, an end stop permanently secured adjacent the end links and a slider loosely

supported by said links and retained thereon by said end stop, said end stop extending beyond the coupling portion of said links, a channel in the extending portion of said end stop substantially parallel to the edge of the tape, said chan-



nel opening through the ends and the projecting side of said end stop, and spring actuated detent means in said channel whereby the edge of a second stringer may be inserted therein and automatically retained against subsequent removal therefrom.

2,192,014
CROSS HEAD
Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application December 31, 1938, Serial No. 248,680
2 Claims. (Cl. 287—20)

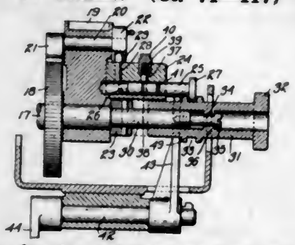


2. A cross head of the character described comprising a main body provided with a socketed portion and a shoulder adjacent the socketed portion; a complementary member formed to abut said shoulder and socketed on one face to match the socketed portion of the main body to receive a piston rod, the body and said complementary member being provided wtih interengaging surfaces: and means whereby the complementary member is removably held in place.

2,192,015
POLYMERIZATION AND CONDENSATION PROCESS CATALYZED BY MEANS OF DIHYDROXYFLUOBORIC ACID AND DIHYDROXYFLUOBORIC ACID-BORON FLUORIDE ADDITION COMPOUNDS
Julius A. Nieuwland, deceased, late of Notre Dame, Ind., by James A. Burns, executor, Notre Dame, Ind., and Frank J. Sowa, South Bend, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1937, Serial No. 138,187
12 Claims. (Cl. 260—497)

1. A process which comprises reacting, in the presence of a member of the group consisting of dihydroxyfluoboric acid, dihydroxyfluoboric acid-boron fluoride addition compound and a mixture of the two compounds, an organic compound having an unsaturated carbon to carbon linkage with a member of the group consisting of olefins and compounds having the characteristic group C—OH in which the carbon attached to the hydroxyl radical is, in turn, linked by its remaining valences only to elements of the group consisting of carbon, hydrogen and oxygen.

2,192,016
CONTROL MECHANISM
Clifford O. Petitjean, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application January 18, 1938, Serial No. 185,499
30 Claims. (Cl. 74—117)



1. In mechanism of the character described; a shaft; a pawl and ratchet mechanism for imparting movement to the shaft; means for moving the pawl into and out of the path of the ratchet teeth, including a member slidably mounted in a path substantially parallel with the shaft and spaced therefrom; an intermediate member movable at right angles to said slidably mounted member and disposed between the latter and the pawl and through which the pawl is moved about its axis; and a reciprocating member for imparting movement to the sliding member.

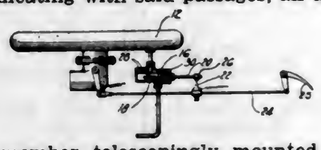
2,192,017
SLIDE CLOSURE
Daniel I. Reiter, New York, N. Y.
Application May 22, 1939, Serial No. 274,949
5 Claims. (Cl. 24—207)



1. A one-piece slide fastener element having a pair of adjacent cylindrical bead-engaging portions, each of said portions being cut away along an area adjacent to the nearest part of the other portion, said cut away area receiving said nearest part to provide a single thickness of material at the adjacent parts of said portions, and a ribbon-holding flange connecting said portions.

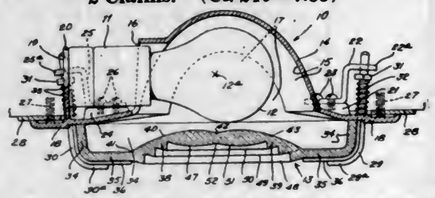
2,192,018
CLUTCH CONTROL MECHANISM
Roy S. Sanford, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 1, 1932, Serial No. 645,298
4 Claims. (Cl. 192—.01)

1. In combination with a spring operated clutch mechanism, a clutch controlling booster cylinder having a piston slidable therein, a stem secured to said piston and extending through one end of the cylinder, transverse passages extending into said stem adjacent the piston and at a distance therefrom greater than the length of said cylinder, an axial bore through said stem communicating with said passages, an apertured



casing member telescopingly mounted on said stem at one end thereof and constituting therewith a bleed valve mechanism, yieldable means providing a series connection between said stem and casing member, and means interconnecting said casing with the clutch mechanism to be operated.

2,192,019
LIGHTING FIXTURE
Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application May 1, 1937, Serial No. 140,126
2 Claims. (Cl. 240—7.35)



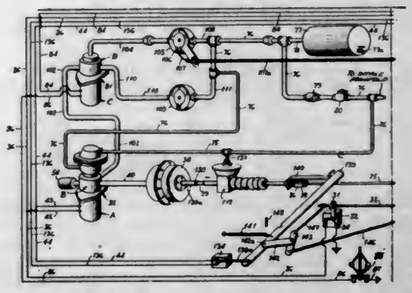
1. A lighting fixture for a railroad car or the like provided with a line of pairs of seats, said fixture being asymmetrically disposed over a pair of said seats and with respect to the reading planes related thereto, said fixture comprising, in combination, a reflector adapted to be connected to the upper part of the car, a source of light adjacent said reflector, and a light-transmitting and diffusing member adjacent said source of light and having a generally flat bottom facing generally downwardly of said car, a portion of said bottom being translucent and adapted to effect a general diffusion of light in the upper portion of said car, the central portion of said member comprising a pair of concavo-convex condenser lenses, each arranged to direct a spot beam of light of uniform intensity over one of said reading planes, the concave portions of said lenses extending upwardly from the plane of said bottom wall.

2,192,020
DISPENSING CAP FOR TOOTH PASTE AND SIMILAR TUBES
Raymond A. Stubler, Baltimore, Md.
Application August 17, 1938, Serial No. 225,382
1 Claim. (Cl. 221—60)



The combination with a dispensing tube of a cylinder having its lower inner surface screw-threaded to fit said dispensing tube and an annular groove in its inner surface above said screw-threaded surface forming an annular shoulder at its upper end, and a tube adapted to move up and down in said cylinder and having its upper and closed end provided with a hollow head having an annular shoulder adapted to rest on the top of said cylinder to limit the inward movement of said cylinder, the lower end of said tube being open and provided with an annular flange projecting into said annular groove of said cylinder and adapted to limit the outward movement of said tube and having an aperture in one side thereof.

2,192,021
AUTOMATIC BRAKING SYSTEM
Warren I. Weeks, Ventnor, N. J.
Application January 24, 1939, Serial No. 252,541
14 Claims. (Cl. 188—110)

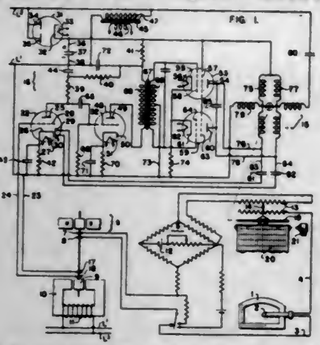


1. In combination with a motor vehicle of the type having a motor, a steering wheel, a source of electrical energy, a source of pressure substantially different from atmospheric, a series of brakes, and brake operating means to operate said brakes, a clutch and clutch operating means to operate said clutch; the combination therewith of a device for automatically actuating said brake operating means upon release of the steering wheel by the operator of the vehicle comprising fluid pressure operating means, an actuating means from said fluid pressure operated means to said brake operating means, a conduit system having connections leading from said source of pressure different from atmospheric to said fluid operated means, one of said connections being obstructed so as to vary the pressure different from atmospheric transmitted therethrough and control valves on said one of said connections, one of said control valves being normally released to the atmosphere and adapted to admit said pressure less than atmospheric to said fluid pressure operated means upon operation of said automatically actuated brake operating means, a second of said control valves adapted to admit a pre-determined pressure less than atmospheric to said first-mentioned control valve in accordance with the speed at which the vehicle is operated when said automatic brake operating means is operated and a second connection in said conduit system leading from said source to said first-mentioned control valve to admit a maximum pressure from said source when the vehicle is at rest.

2,192,022
MEASURING AND CONTROL APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1938, Serial No. 237,641
12 Claims. (Cl. 172—239)

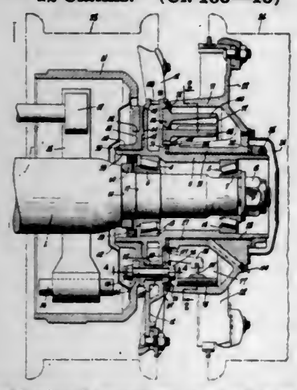
1. A system comprising an electrical network, means for producing an unbalanced electrical effect in said network, a device adjustable to re-

duce said unbalanced electrical effect, a motor for adjusting said device, said motor having a winding, means for establishing a magnetic field in said motor which field does not normally link the turns of said winding to any substantial extent, but is adapted on rotation of said motor to be distorted to produce an electrical effect in said winding, a detector responsive to said unbalanced electrical effect and having a connection to said



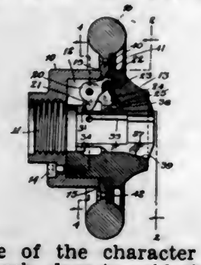
winding for controlling the selective energization thereof, and means for arresting the operation of said motor substantially at a desired point including an electrical connection presenting high resistance to the flow of direct current therethrough but readily passing fluctuating current superimposing said second mentioned electrical effect on said unbalanced electrical effect.

2,192,023
DUAL WHEEL VEHICLE BRAKE
Charles S. Ash, Milford, Mich.
Application July 29, 1938, Serial No. 221,869
12 Claims. (Cl. 188—18)



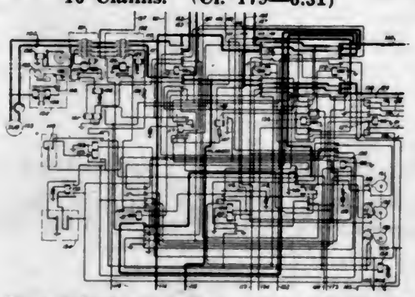
1. A dual wheel structure for vehicles including in combination an inner wheel to be rotatively mounted on an axle, an outer wheel thereon mounted to rotate independently, a drum on the inner side of said outer wheel, a circumferentially interrupted annular expansible shoe within said drum, a stop fixed to said inner wheel and extending between the ends of said interrupted shoe to prevent circular movement thereof, a brake drum mounted on the inside of said inner wheel to have limited angular movement relatively to the wheel, a shoe within said last-mentioned brake drum and means for causing the shoe to exert braking pressure on the drum, means mounted on the inner wheel and connected to said inner brake drum to have angular movement therewith, including a member extending into the gap in said interrupted shoe of said outer drum and acting to expand the shoe to lock the inner and outer wheels together when the braking pressure is applied on said inner brake drum.

2,192,024
COLLET CHUCK
August H. Breitbarth and Harry Anderson, Valparaiso, Ind.
Application October 4, 1938, Serial No. 233,230
2 Claims. (Cl. 279—51)



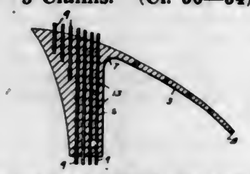
1. A device of the character described, including a chuck, dogs in said chuck with arms extending through said chuck, a wheel having an internally cammed surface mounted on said chuck and cooperating with one end of said dogs, whereby the turning of the wheel will cause said cammed surface to exert pressure on said dogs and to move said arm rearwardly, spring members cooperating with said dogs and with a pin extending into the interior of said chuck, a collet having a collar at its rearward end adapted to be engaged by said arms, and grooves in said collar and additional grooves on the outer surface of said collet, said grooves in the collar being adapted to allow the collet to be passed by said arms and said grooves on the surface of the collet and being adapted to engage said pins after the insertion of the collet into the chuck to prevent accidental turning thereof.

2,192,025
TELEPHONE SYSTEM
Aloysius J. Busch, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 17, 1938, Serial No. 214,348
10 Claims. (Cl. 179—6.31)



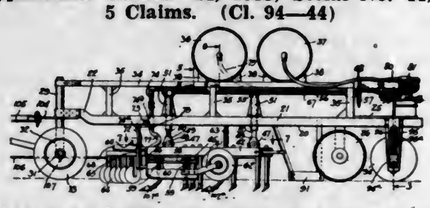
1. In a telephone system, a pay-station line, means at the pay station for receiving deposited coins, a group of trunks, means for extending a conversational connection from said line over one of said trunks, a controlling mechanism common to said group of trunks, timing means for measuring periods of conversation, means rendered effective during each measured period of conversation for connecting said controlling mechanism to the trunk involved in the conversational connection, means in said mechanism for causing the collection of a deposited coin, means for then causing the release of said mechanism from said trunk, means effective at the end of each conversational period for causing said controlling mechanism to be connected again to said trunk to test said line to determine if another coin has been deposited, and means effective if the test shows that another coin has been deposited for disconnecting said mechanism from said trunk.

2,192,026
SHOE HEEL AND SHANK
Sidney Caplan, Toronto, Ontario, Canada
Application May 27, 1939, Serial No. 276,101
5 Claims. (Cl. 36—34)



1. A shoe heel and shank moulded in one piece of plastic material, reinforcing pins embedded in said plastic material and means for securing said heel to a shoe insole and means for securing a lift to said shoe heel.

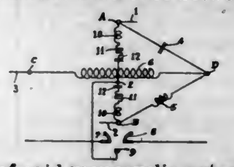
2,192,027
ROAD BUILDING APPARATUS
Helen Ingalls Crowder, Bakersfield, Calif.
Application October 14, 1935, Serial No. 44,957
5 Claims. (Cl. 94—44)



1. A road building machine including a portable draft frame, a pair of frame bars spaced vertically therefrom, a plurality of pairs of spaced blocks mounted on and movable longitudinally of said frame bars, clamping means on said blocks and operatively related to said bars for securing the blocks in various positions of adjustment with respect to the bars, a liquid tank of substantial size mounted on said frame bars between the respective pairs of said blocks and readily movable therewith to provide a ballast for insuring stability of the machine when operating.

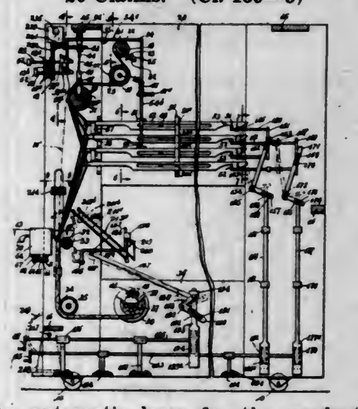
2,192,028
PROTECTIVE SYSTEM
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 16, 1937, Serial No. 169,498
5 Claims. (Cl. 171—119)

1. In combination, a monocyclic network for transforming constant voltage alternating current to alternating current of constant value comprising a pair of serially connected reactances of opposite sign and having a constant current circuit, protective means connected across terminals of the constant current circuit to limit the voltages appearing across said reactances, an electric circuit for establishing a point of reference potential, and means responsive to the potential difference between said point



and a point of said monocyclic network having a potential indicative of the voltage across the individual reactances to initiate the operation of said protective means.

2,192,029
AUTOMATIC LOOM FOR THE MAKING OF KNOTTED RUGS
Adalbert Beretvás, Brooklyn, N. Y.
Application March 14, 1938, Serial No. 195,756
20 Claims. (Cl. 139—5)



1. An automatic loom for the production of knotted oriental rugs and tapestry, comprising a means for tensioning and supporting a plurality of vertical yarns at top and bottom portions and in a common plane, a track extending transversely across said vertical yarns, a finger for each vertical yarn and having an opening through which the yarn passes, means for slidably supporting said fingers, means for holding said fingers selectively rearwards for drawing the vertical yarns selectively out of said common plane, a keyboard and means for releasing said fingers to move said vertical yarns from their rearward positions in adjacent pairs, means movably mounted on said track for tying knots of yarn material upon said adjacent pairs of said vertical yarns, means for releasing in a group all "odd" fingers from their rearward positions, means for releasing in a group all "even" fingers from their rearward positions, means for moving a shuttle with a horizontal yarn between the "odd" and "even" vertical yarns when one group is rearward and the other is forward.

2,192,030
PROCESS FOR THE MANUFACTURE OF A LIGNIN-CONTAINING PRESS MASS
Hermann Burmeister, Berlin-Spandau, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application December 8, 1936, Serial No. 114,855. In Germany December 12, 1935
3 Claims. (Cl. 260—47)

1. The method of making a plastic composi-

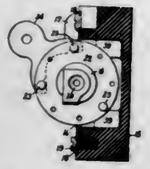
tion which includes the steps of mixing together, by weight, 100 parts pulverized lignin from the saccharification of wood, 11 parts phenol solution and 132 parts benzol, kneading the mass for 4 hours at 75° C., and thereafter removing the solvent and the unreacted phenol.

2,192,031

ELECTRIC SWITCH

Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application March 21, 1939, Serial No. 263,163
4 Claims. (Cl. 200—152)



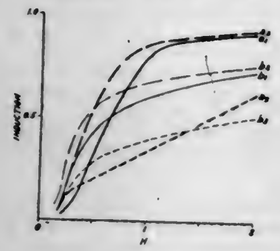
1. In an electric switch, an envelope containing a conducting liquid including a cup-shaped terminal having a depression in one side thereof and a barrier of insulating material having a circuit-controlling opening therein adapted successively to be immersed in and withdrawn from said conducting liquid by rotation of said envelope, an apertured plate positioned on said terminal and having a lug projecting into said depression to secure said plate in fixed angular relation to the opening in said barrier, said plate having a plurality of angularly displaced openings formed therein, an operating member, and fastening means extending through certain of the openings in said plate for securing said operating member to said plate in any one of a plurality of angularly displaced positions.

2,192,032

METHOD FOR IMPROVING THE MAGNETIC PROPERTIES OF FERROUS ALLOYS

Otto Dahl, Berlin-Friedenau, and Franz Pawlek, Berlin-Niederschoneweide, Germany, assignors to General Electric Company, a corporation of New York

Original application February 15, 1936, Serial No. 64,138. Divided and this application October 26, 1938, Serial No. 237,156. In Germany March 11, 1935
3 Claims. (Cl. 148—4)



1. A method for improving the magnetic properties of alloys consisting of nickel and iron which comprises cold working the alloy to effect a reduction in thickness of more than 90%, annealing the alloy and during cooling subjecting it to the influence of a transverse magnetic field.

2,192,033

ROTARY CRANE

William Dalton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 22, 1938, Serial No. 215,310
8 Claims. (Cl. 212—55)



1. A portable crane comprising a platform, a lifting beam on said platform, a track on said platform, a wheel associated with said beam and engaging said track, means for driving said wheel and moving said beam laterally of said platform, a roller engaging said beam, and means for driving said roller and moving said beam lengthwise of said platform.

2,192,034

VARIABLE PITCH PROPELLER

Ivan H. Driggs, Towson, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.

Application July 9, 1937, Serial No. 152,677
4 Claims. (Cl. 170—164)



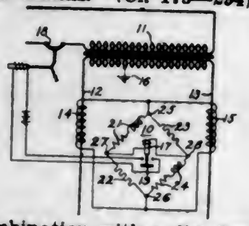
1. A screw propeller comprising a plurality of blades and a hub having an opening therein adapted to receive a drive shaft, a hinge transversely inclined with respect to the longitudinal axis of said shaft connecting each blade to said hub, oppositely extending shoulder portions on opposite sides of each of said blades adjacent said hinge, and a hydraulic control means operatively engaging each of said portions for changing the pitch of said blades by turning each blade on its hinge.

2,192,035

RELAY SYSTEM FOR ELIMINATING DIRECT-CURRENT EFFECTS OF TRANSIENTS

Robert D. Evans, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1937, Serial No. 174,204
15 Claims. (Cl. 175—294)



1. The combination with a distribution circuit subject to an asymmetrical fault current the transient of which can comprise a direct current component and an alternating current component, a relay comprising an operating winding, a network connected to be traversed by a measure of the fault current, said network having different points of substantially equal direct current potential due to said direct current component but unequal alternating current potentials, and means for connecting said winding across said points.

2,192,036

SIPPER

Francis C. Hamilton, Columbia, Ill., assignor of one-half to L. Ray Schuessler, St. Louis, Mo.

Application March 11, 1939, Serial No. 261,179
3 Claims. (Cl. 299—17)



1. A sipper including a main sipper portion comprising a tubular element open from end to end, a jacket portion surrounding said main sipper portion, said jacket portion being of a diameter substantially greater than that of the main sipper portion to provide a space within said jacket portion between a wall thereof and the wall of said main sipper portion in which air is confined, and a readily breakable joint for securing said jacket portion to said main sipper portion, said jacket portion on breaking of said joint being freed from the main sipper portion for movement longitudinally thereof to increase the effective length of the sipper.

2,192,037

SIPPER

Francis C. Hamilton, Columbia, Ill., assignor of one-half to L. Ray Schuessler, St. Louis, Mo.

Application July 22, 1939, Serial No. 285,868
6 Claims. (Cl. 299—17)



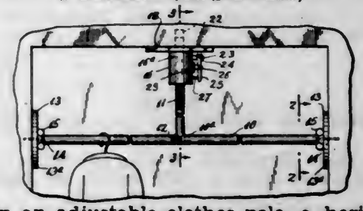
1. A sipper including a main sipper portion comprising a tubular element open from end to end, a tubular jacket portion surrounding said main sipper portion, a portion of said jacket portion being of a diameter substantially greater than the main sipper portion to provide a space within said jacket portion between a wall thereof and the wall of said main sipper portion in which air is confined, a readily breakable joint for securing said jacket portion to said main sipper portion, said jacket portion on breaking of said joint being movable longitudinally of said main sipper portion to increase the length of the sipper, and means to prevent complete withdrawal of said jacket portion from said main sipper portion when said jacket portion is moved longitudinally of said main sipper portion to extend the length of the sipper.

2,192,038

ADJUSTABLE CLOTHES POLE

Halfdan C. Hansen, St. Albans, N. Y.

Application October 28, 1938, Serial No. 237,404
2 Claims. (Cl. 211—123)



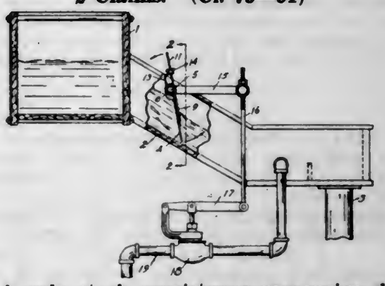
1. In an adjustable clothes pole, a horizontal clothes pole, a vertical stem fixedly attached to said pole at the center thereof for supporting said pole, a turnable coupling rotatively supported and axially threadedly engaging said stem for adjustably supporting the same to cause said stem to move upwards and downwards as said coupling is turned to similarly move said pole, brackets mounted on the wall adjacent the ends of said pole and having vertically arranged elongated slots into which the ends of said pole engage for holding said stem and pole from rotating with said coupling but leaving the same free to move vertically upwards and downwards, and means for supporting said wall brackets in a manner to permit the same to be moved in the direction in which said pole is being adjusted when it strikes the ends of said slots for increasing the distance through which said pole may be adjusted either up or down.

2,192,039

CONSISTENCY RESPONSIVE DEVICE

Harry S. Harcourt, Erie, Pa.

Application April 28, 1937, Serial No. 139,364
2 Claims. (Cl. 73—51)



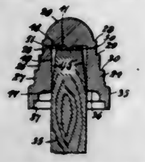
1. A pulp stock consistency responsive device comprising a trough, a pulp supply box for said trough, a hinged gate disposed in said trough having an inverted V-shaped opening, an adjustable sliding gate movable relative to said hinged gate, having an inverted V-shaped opening coinciding with the said V-shaped opening in said hinged gate, and means operable by the swinging of said gate when the consistency of said stock varies.

2,192,040

FERRULE FOR AN UMBRELLA STICK AND THE LIKE

Milton Harris, New York, N. Y.

Application June 30, 1939, Serial No. 282,129
4 Claims. (Cl. 135—54)



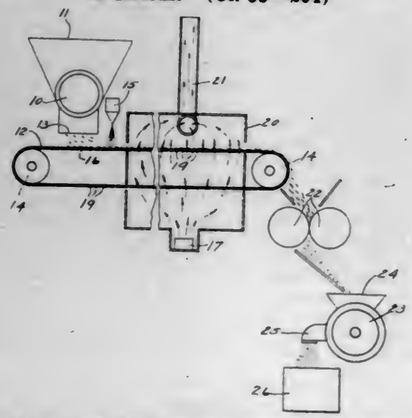
1. A ferrule for a stick comprising a body portion having a longitudinal cavity therein and having longitudinally tapered longitudinal projections projecting from the surface of said cavity.

2,192,041

METHOD OF TREATING AND PREPARING VEGETABLES

Olga Headland, Moorhead, Minn.

Application June 7, 1938, Serial No. 212,282
2 Claims. (Cl. 99—204)



1. A process for treating fruits and vegetables consisting in slicing the fruits and vegetables, heating a liquid seasoning and sweetening means, seasoning and sweetening the sliced fruits and vegetables by spraying the heated liquid thereupon, heating the sweetened and seasoned slices to dry the same, and granulating the dried slices.

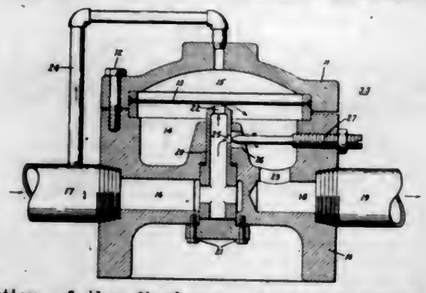
2,192,042

FLUID CONTROL MECHANISM

Bruno Hoffmann, Spandau, Germany, assignor to General Electric Company, a corporation of New York

Application July 19, 1937, Serial No. 154,516
In Germany September 25, 1936
2 Claims. (Cl. 137—153)

1. Fluid control mechanism including the combination of a casing with a cover, a flexible diaphragm held between the casing and the cover to form a first and a second space therewith, means for conducting fluid from a source to a consumer comprising an inlet channel and an outlet channel formed in the casing, means connecting the inlet channel with the outlet channel comprising the first space and a tubular member having an inlet communicating with the inlet channel and an outlet orifice opening towards a central portion of the diaphragm, the diaphragm at low pressure in the inlet channel offering little resistance to the flow of fluid through the outlet orifice, means connecting the second space to the inlet channel to cause de-



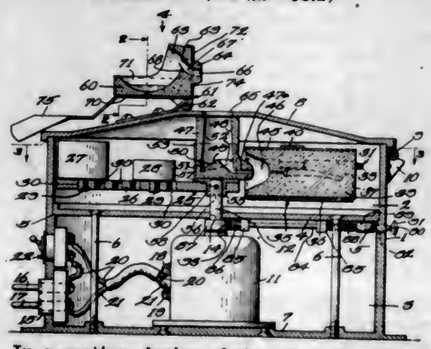
flection of the diaphragm in the direction of the outlet orifice with increasing fluid pressure in the inlet channel, and means including an opening in the side wall of the tubular member for bypassing a part of the fluid with regard to said orifice.

2,192,043

CASTING DEVICE

Bert L. Hooper, Lincoln, Nebr.

Application August 15, 1938, Serial No. 224,886
2 Claims. (Cl. 22—65.1)



1. In a casting device of the class described, a housing, a mould mounted to rotate about an axis within the housing, a vessel for receiving a molten casting medium arranged central with the axis, said vessel being in passage communication with the mould and having its top open-end registering with a supply opening in the top of the housing, and a ladle mounted on the exterior of the housing for limited movement from an upright position to a tilted position in supplying relation with the opening in the housing.

2,192,044

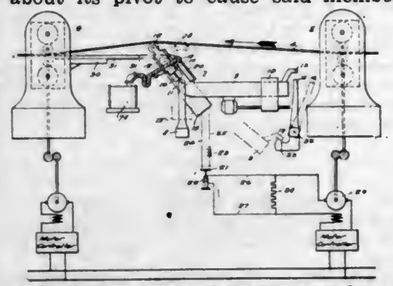
TENSIOMETER FOR STRIP MILLS

Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 9, 1937, Serial No. 147,308
10 Claims. (Cl. 80—35)

1. In a strip tensioning device for a strip rolling mill, an arm having a stationary pivot, a member supported by said arm over which the strip may travel in passing from one roll stand to another, means for moving said member along said arm to and from a position in engagement

with the strip, and means tending to rotate said arm about its pivot to cause said member to



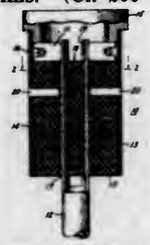
bear against the strip and to thus produce tension in the strip.

2,192,045

ELECTRIC CIRCUIT BREAKER

Leonard J. Linde, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application June 13, 1939, Serial No. 278,855
4 Claims. (Cl. 200—149)



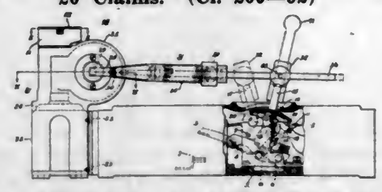
1. An electric circuit breaker comprising means for forming an elongated arc-confining passage, said passage being defined by insulating material adapted to emit an arc-extinguishing gas under the influence of an electric arc, a rib of insulating material extending longitudinally of said passage and supported from a side wall thereof, relatively movable contacts separable to form an arc in said passage, one of said contacts having such cross-sectional configuration as to enclose partially said longitudinally extending rib.

2,192,046

CIRCUIT BREAKER

Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 16, 1936, Serial No. 59,387
20 Claims. (Cl. 200—92)



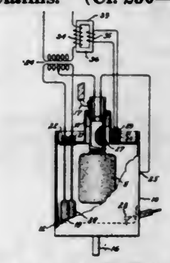
1. In combination, a pair of separable contacts, a snap action mechanism for opening and closing said contacts, an oscillatable lever for actuating said mechanism, means for actuating said lever comprising an operating member, driving means for oscillating said operating member, means controlled by the position of said driving means for controlling the operation of said driving means, and means responsive to the load conditions on said operating member for bringing said driving means to rest following actuation of said mechanism.

2,192,047

DISCHARGE APPARATUS

Lawrence D. Miles, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York

Application February 2, 1939, Serial No. 254,155
4 Claims. (Cl. 250—27.5)



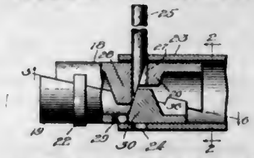
1. In combination, a discharge device having a main anode, a cathode and means for producing a continuous holding arc to the cathode, the cathode being of such character that the holding-arc current required to sustain an arc thereto is a function of cathode temperature, means for supplying a relatively intense holding-arc current during starting periods of the device and temperature-responsive means for automatically decreasing the holding-arc current to a stable, operating value after a predetermined temperature condition has been attained.

2,192,048

EXPANSION COUPLING

Carl Mueller, Chicago, Ill.

Application September 11, 1937, Serial No. 163,459
4 Claims. (Cl. 287—127)



2. A coupling device adapted to fit within the ends of hollow tube sections to join the same; comprising, a hollow cylindrical unit divided into two shell parts on a plane passing thru the ends of the unit and oblique to the axis thereof, shoulder portions on one of said shell parts engaging the inner wall of the other shell part, and means engaging the shell parts to shift the same longitudinally relative to each other, whereby the effective transverse dimensions of said shell parts are increased in directions at angles to each other.

2,192,049

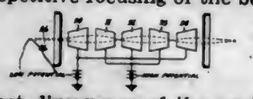
ELECTRON BEAM DEVICE

George F. Metcalf, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application April 14, 1938, Serial No. 201,954
1 Claim. (Cl. 250—27)

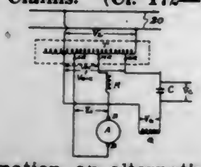
In a discharge device, means for producing an electron beam, means providing an elongated

space to be traversed by the beam, a series of hollow frustro-conical members, each arranged to surround the path of the beam, alternate ones of said members being oppositely directed and means for causing repetitive focusing of the beam in the



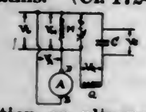
regions of least divergence of the conical members, said last-named means including a circuit for applying a relatively high potential to alternate ones of said members and a relatively lower potential to the remaining ones of said members.

2,192,050
ALTERNATING CURRENT COMMUTATOR MOTOR
Austin S. Norcross, Newton, Mass.
Application August 30, 1937, Serial No. 161,614
24 Claims. (Cl. 172—276)



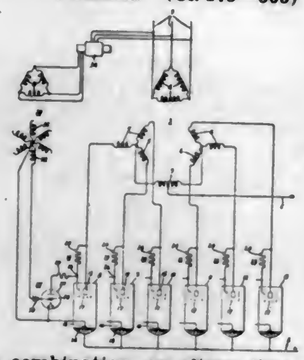
1. In combination, an alternating current motor comprising stator windings, a rotor having a coiled commutator armature winding, brushes in contact with said commutator, means to provide in the rotor a power factor improving component of voltage, and a voltage regulator connectable to a supply, comprising magnetic core means, winding means wound around said core means connectable to said supply, a plurality of cooperating power transmitting means, each individually connected to one of said stator windings or said armature winding and each mounted to individually move in respect to said core means and each capable of providing an independent variable voltage and unitary control means for simultaneously relatively moving the adjustable power transmitting means only in such a predetermined manner as to provide independent variable voltages in accordance with predetermined voltage and speed characteristics varying for different speeds as to cause the speed and transformer voltages induced into the coils undergoing commutation to be substantially equal at all speeds.

2,192,051
CONSTANT SPEED MOTOR
Austin S. Norcross, Waban, Mass.
Original application August 30, 1937, Serial No. 161,614. Divided and this application July 14, 1939, Serial No. 284,508
4 Claims. (Cl. 172—276)



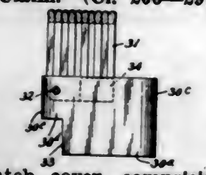
1. In combination an alternating current motor comprising a main winding, a rotor having a coiled commutator armature winding, brushes placed substantially along the axis of said main winding, a quadrature winding spaced ninety electrical degrees from the main winding, and dephasing means in the circuit of the said quadrature winding comprising a capacitator of such magnitude as to dephase the circuit of the quadrature winding relative to the main winding by an amount to produce an angle having a cosine between .5 and 1 between the armature current and the quadrature field flux, said windings being arranged and connected to the supply in such a predetermined combination in accordance with predetermined voltage and speed characteristics as to cause the speed and transformer voltages induced into the coils undergoing commutation to be substantially equal.

2,192,052
ELECTRIC VALVE CIRCUIT
Emil J. Remscheid, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 21, 1938, Serial No. 247,060
7 Claims. (Cl. 175—363)



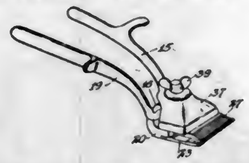
1. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected between said circuits and comprising electric valve means employing an ionizable medium and having an anode, a cathode, a control member of the immersion-ignitor type and an auxiliary electrode in the vicinity of said anode, a control circuit responsive to the voltage of said anode and comprising an electronic discharge device for effecting energization of said control member to render said electric valve means conductive, and a deionization circuit connected to said auxiliary electrode and being responsive to the voltage of said anode.

2,192,053
SAFETY MATCH COVER
Joseph A. Santana and Alfred E. Santana, New York, N. Y.
Original application January 25, 1938, Serial No. 186,769. Divided and this application April 24, 1939, Serial No. 269,584
1 Claim. (Cl. 206—29)



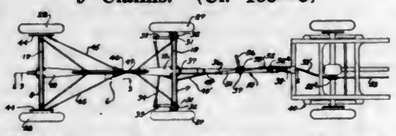
A safety match cover, comprising a casing formed of a strip of material consisting of a front leaf and a rear leaf connected together along their top edges, said front leaf being formed with a downwardly extending tab at one side thereof and doubled upon itself, said rear leaf being formed with a downwardly extending tab aligned with said tab and inserted between the adjacent faces of said tab for forming a cutout area at the bottom and adjacent one side of said casing, a sheet of matches disposed between said leaves, and tabs and having a match striking area formed thereon in a position to be exposed through said cutout area when said matches are disposed between said leaves, a pivot extended centrally through said tabs and the adjacent area of said sheet of matches for pivotally supporting said sheet, said sheet of matches having its bottom edge abutting the junction of said doubled over tab to limit pivoting thereof, and a rounded corner formed on said sheet of matches concentrically with said pivot and on the side of said sheet opposed to the side of said casing having said cutout area so that said sheet of matches may be pivoted to expose the matches thereof through the side of said casing opposed to the side thereof which connects with said cutout area.

2,192,054
HAIR CLIPPER
Bogola Strezoff, Minneapolis, Minn.
Application October 7, 1936, Serial No. 104,392
4 Claims. (Cl. 30—208)



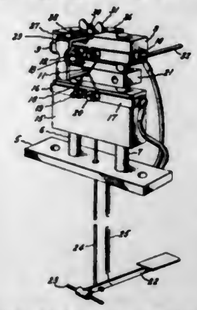
1. A hair clipping device comprising a blade supporting element, a blade assembly comprising a pair of blades slidably and detachably interconnected as a unit, said supporting element and one of said blades being provided with a tongue and slot connection lying in a horizontal plane and being of substantial width and a retaining element extending through said tongue and slot connection to rigidly anchor the blade unit to said supporting element.

2,192,055
TRAILER BRAKE
Miles H. Tuft and James H. Clark, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 21, 1938, Serial No. 203,338
9 Claims. (Cl. 188—3)



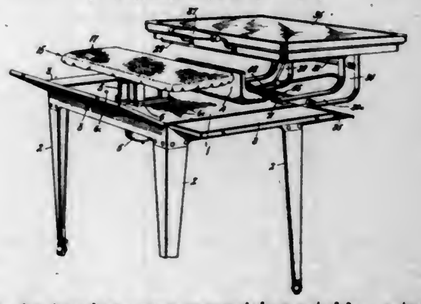
1. Brake operating mechanism for use on a trailer having a frame, supporting wheels disposed at the rear end of said frame, dirigible wheels disposed at the front end of the frame, brakes on certain of said wheels, a draft tongue flexibly attached to said frame and connected with said dirigible wheels for steering the same, and hitch means for flexibly connecting said draft tongue to a towing vehicle, said brake operating mechanism comprising, in combination, a bar disposed adjacent said draft tongue and movable relative thereto, a flexible cable connecting said bar with brake actuating means on the towing vehicle, said cable being disposed within a flexible, incompressible tube that is anchored at one end to said towing vehicle and at the other end to said draft tongue, means connecting said bar with said brakes, including a second flexible cable contained within a second flexible, incompressible tube, and means for fixedly securing the ends of said second tube to said draft tongue and trailer frame, respectively, a lever pivotally connected with said draft tongue, and lost motion means connecting said lever with said bar whereby said brakes may be operated either from said towing vehicle or from a position adjacent the draft tongue.

2,192,056
HOT WIRE LEAD STRIPPER
George V. Watts, Alden, Pa., assignor to General Electric Company, a corporation of New York
Application June 26, 1937, Serial No. 150,581
3 Claims. (Cl. 81—9.51)



1. In a wire stripping machine, the combination of a pair of insulation burning elements, each of said elements being formed to provide a crotch, means for supporting said elements in interlocking relation with the opening ends of said crotches extending in different directions with respect to each other in substantially the same plane whereby said elements complement each other to form an opening to receive an insulated wire, means for moving said elements relatively to each other to constrict said opening and to engage a substantially continuous annular section of an insulating wire placed in said opening, and means for supplying heating current to said elements for raising them to the burning temperature of an engaged section of insulation.

2,192,057
IRONING PRESS
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 7, 1935, Serial No. 43,937
6 Claims. (Cl. 38—25)



3. An ironing press comprising a table, a track supported below the top of the table, a carriage slidable on the track and having an arm extend-

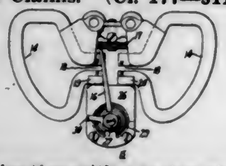
ing above the table top, a shoe supported on said arm, a pressure developing mechanism supported by and extending below the table top, a buck movable by said pressure developing mechanism into pressing engagement with said shoe, and means between said carriage and said pressure developing mechanism for transmitting the pressing forces to said carriage without substantially stressing the table.

2,192,058

MAGNETIC INDICATOR FOR WATT-HOUR METERS

Clarence F. Whiteman, Parma, and Wayne A. Halliday, Geneva, Ohio, assignors to General Electric Company, a corporation of New York

Application November 9, 1939, Serial No. 303,638
6 Claims. (Cl. 177—311)



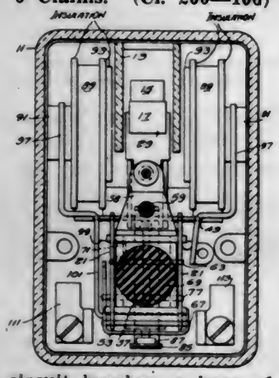
1. In combination with a meter of the integrating type, a rotary armature member therefor of conducting material, permanent magnet means for producing a damping flux through said armature member to control the calibration rate of the meter, and means for detecting a change in the strength of said permanent magnet means such as would alter the calibration of the meter comprising a flux responsive magnetic instrument associated with said permanent magnet means so as to be influenced by a small percentage of the flux produced by said permanent magnet means and responsive to a change in such flux.

2,192,059

CIRCUIT BREAKER

Hans H. Willmann, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 2, 1937, Serial No. 157,027
In Germany August 3, 1936
6 Claims. (Cl. 200—106)



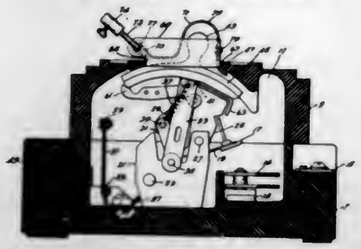
1. In a circuit breaker, a base of insulating material, a first contact mounted thereon, said base also supporting electromagnetic blowout means for moving and extinguishing the arc drawn at said contact including a pair of pole pieces on opposite sides of said contact, coil means for the pole pieces disposed at the side of said contact with its extended axis transversely crossing the arc path, said base likewise supporting a frame carrying a pivot pin which pivotally supports an armature movable by said electromagnetic means in response to predetermined overload conditions on said circuit breaker, said pivot pin likewise pivotally supporting an arm carrying the movable contact for said circuit breaker, actuating means for said arm pivotally mounted on said frame, said armature when moved in response to said predetermined conditions decreasing the reluctance of the magnetic circuit of said electromagnetic means to increase the blowout action thereof.

2,192,060

LOCKING DEVICE

Ernest G. Wise, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 14, 1936, Serial No. 95,973
20 Claims. (Cl. 200—42)



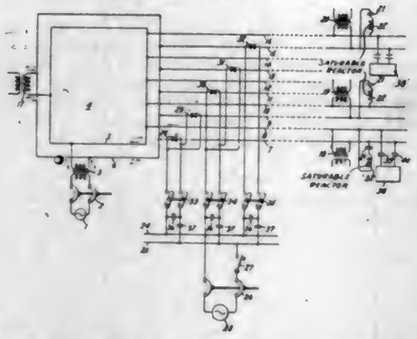
14. The combination with a circuit breaker having a movable operating member and a casing provided with an opening in which said member is movable, of a device to be removably mounted on said casing at said opening for preventing substantial movement of said operating member comprising a single member at least partially resilient and having portions movable relative to each other adapted to be slipped under the edges of said opening to mount the device, and a portion for limiting movement of said operating member.

2,192,061

CARRIER CURRENT SYSTEM

John L. Woodworth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 19, 1935, Serial No. 55,277
7 Claims. (Cl. 177—352)



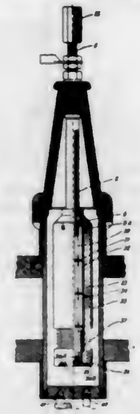
1. In a carrier current system, a feeder circuit for carrying currents of commercial and high frequencies, a source of high frequency oscillations, means for impressing said oscillations on said circuit to produce a high frequency current in said circuit, a commercial load impedance connected to said circuit, a circuit connected in shunt to said load impedance and constructed to pass a high frequency reactive current opposite in phase to the high frequency reactive current passed by said load impedance, and means connected in said shunt circuit for limiting said high frequency voltage across said impedance not to exceed a predetermined value.

2,192,062

ELECTRIC CONDENSER

Clarence Weston Hansell, Port Jefferson, and George Lindley Usselman, Rocky Point, N. Y., and Chester Willson Latimer, West Orange, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 21, 1935, Serial No. 27,678
Renewed December 1, 1938
28 Claims. (Cl. 175—41.5)



1. An electric condenser comprising an electrode in the form of a metallic casing, an insulating member supported by said casing, a second electrode secured to said insulating member so as to be spaced apart from said metallic casing, a portion of said second electrode being composed of an inner flexible metallic bellows acting as an air seal, an outer flexible metallic bellows arranged to have equal fluid pressure on all sides and to carry substantially all radio-frequency current, and a fluid under pressure interposed between said electrodes acting as the condenser dielectric.

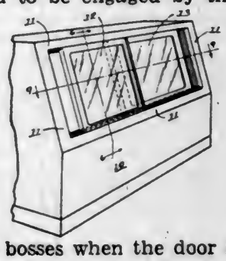
2,192,063

SLIDING DOOR CONSTRUCTION

George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana

Application January 15, 1937, Serial No. 120,703
8 Claims. (Cl. 20—19)

1. A frame having a rail disposed adjacent its upper and lower marginal lengths and a sliding door for said frame having a groove along its upper and lower marginal lengths in respective fitted relation with an upper and lower rail, each rail having a pair of spaced bosses adjacent their respective lengths and each groove having a pair of spaced bosses adjacent their respective lengths, the pairs of groove bosses being adapted to register with and to be engaged by the companion



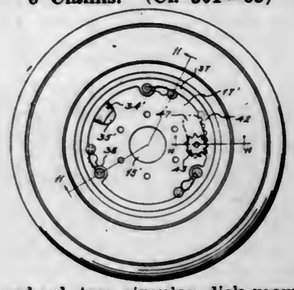
pairs of rail bosses when the door is slid to one position.

2,192,064

DEMOUNTABLE WHEEL

Lawrence V. Pettinati, New York, N. Y.

Application August 11, 1938, Serial No. 224,403
6 Claims. (Cl. 301—63)



1. In a wheel, two circular disk members each having a web portion and a tire retaining rim portion outwardly extending therefrom, means for effecting an interlocking connection of the web portion of one disk member with the web portion of the other when said web portions are placed against each other, by relative angular displacement of said disk members in the plane of their web portions, and means comprising a rack concentric with and associated with one of said disk members and a pinion carried by the other in mesh with said rack for effecting said relative angular displacement.

2,192,065

SELF-LOADING AND UNLOADING BAILER

Harvey D. Sandstone, Los Angeles, Calif.

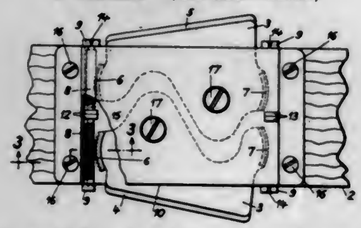
Application September 20, 1937, Serial No. 164,706
2 Claims. (Cl. 166—19)



1. A hydrostatic pressure bailer, comprising a

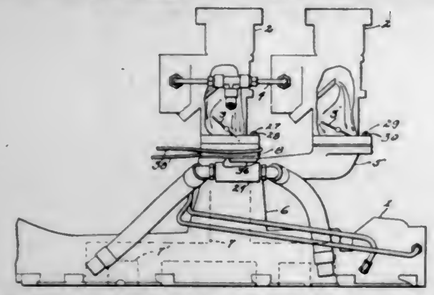
barrel having a closed head at one end forming a collar, a valve controlling the other end of the barrel and opening outwardly, a valve stem in said barrel and attached to said valve, a floating means within said barrel slidably mounted upon the valve stem, said stem being connected at its lower end to said valve and extending slidably through and snugly engaging in said collar, suspending means on the upper end of said stem, the above mentioned floating means snugly engaging the inner walls of the barrel and separating the barrel into lower or intake chamber and closed upper or air chamber, said floating means being movable to vary the volumes of said chambers, caused by the necessity of equalizing the charging pressures in the said chambers when loading and unloading the bailer.

2,192,066
SKI BINDING
Adolf Attenhofer, Zurich, Switzerland
Application April 12, 1938, Serial No. 201,602
In Switzerland June 7, 1937
8 Claims. (Cl. 280—11.35)



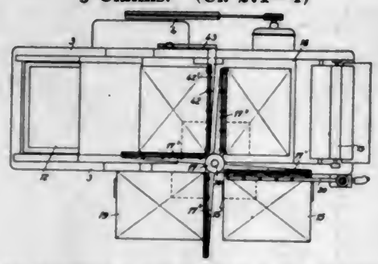
2. In a ski binding, a pair of toe irons, each of said toe irons comprising lateral side plate and base portions, serrations provided along the edges of the base plate portions, a serrated member having a flat face and being rotatably mounted on an axis parallel to said base plate portions in the binding and prevented from axial movement, adapted to come into engagement or into disengagement with the said serration according to its angular position.

2,192,067
DUAL CARBURETOR ADAPTER
Owen Charles Betry, Glendale, Calif.
Application May 16, 1939, Serial No. 273,986
8 Claims. (Cl. 123—127)



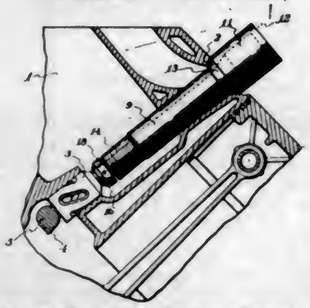
1. In a gas engine, an adapter casing adapted to be secured in operative position between a pair of carburetors and a manifold, said casing being provided at one end with a main gas conduit extending therethrough from an upper face to a lower face thereof, said casing being provided with an auxiliary gas conduit formed in the body of the casing, one end of the auxiliary conduit terminating in said upper face adjacent the other end of the casing and extending through the body of the casing and being connected at its other end to the main conduit, and means for securing a carburetor to each end of the casing in position to feed gas to said conduits.

2,192,068
AUTOMATIC SHEET FEEDING AND DELIVERY DEVICE FOR CYLINDER PRINTING PRESSES
Artur Büttner, Heidelberg, Germany, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany
Application February 4, 1939, Serial No. 254,733
In Germany February 7, 1938
3 Claims. (Cl. 271—4)



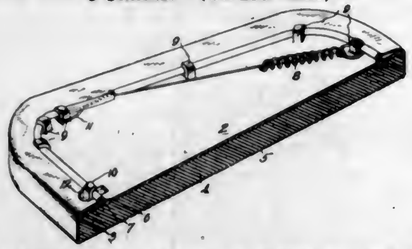
1. An automatic sheet feeding and delivery device for cylinder printing machines equipped with sheet conveying means able to perform rotary movements on a vertical axle arranged laterally of the frame of the machine and having a feed pile and a delivery pile comprising in combination, a four-armed conveyor member connected to said vertical axle, means for rotating said conveyor member intermittently in the same direction through 90 degrees at a time, said four conveyor-arms being controlled in such a manner that during each complete revolution of the conveyor member through 360 degrees each of the four arms one after the other conveys a sheet to be printed from said feed pile to the laying-on marks and seizes a printed sheet by one of its lateral edges and conveys it to said delivery pile.

2,192,069
CALIBRATING DEVICE FOR VALVES
Joseph F. Cox, Tulsa, Okla., assignor of one-half to John E. French, Tulsa, Okla.
Application February 24, 1938, Serial No. 192,374
Renewed January 23, 1940
2 Claims. (Cl. 33—181)



1. A gauge for valves having stems, said gauge comprising a body member having a chamber extending entirely therethrough for the reception of a valve and valve stem, a valve seat engaging shoulder on the outside of said body and spaced from the ends thereof and forming an enlarged end at one end of the body member, the outer end of said enlarged end having a valve seat therein for the reception of the valve and an extensible graduated valve stem engaging member carried by the other end of said body member and adapted to engage a tappet for indicating the proper clearance between a valve stem and tappet.

2,192,070
SEAT COVER
Roy A. Cramer and Jesse F. Cramer, Kansas City, Mo.
Application October 31, 1939, Serial No. 302,198
5 Claims. (Cl. 155—182)



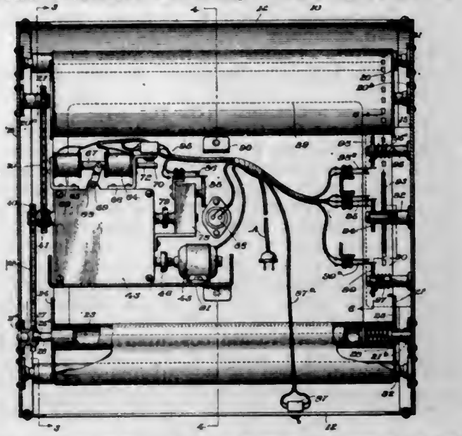
5. A chair seat comprising a seat support having means extending downwardly therefrom and spaced inwardly from the marginal edge of the support, a resilient cushion positioned on the seat support, a fabric cover over said cushion and having its margin extending under the seat support, said cover having means including a loop in the margin adapted to engage said first means, and resilient means including a non-elastic draw cord positioned in said loop tending to pull the cover together below the seat support, the action of said resilient means being limited to center the cover on the seat by engaging said second means with said first means.

2,192,071
SOILPROOFING TENNIS BALLS
John Bernard Dickson, Northampton, and John Herman, Chicopee, Mass., assignors, by mesne assignments, to A. G. Spalding & Bros. Inc., a corporation of Delaware
No Drawing. Application May 13, 1937, Serial No. 142,494
5 Claims. (Cl. 8—111)

1. In a method of soilproofing tennis balls, or the like articles, having exterior surface material normally subject to discoloration by contact with soil, the said material containing wool fibers; contacting the said material with an oxidizing bleaching agent to decrease the tendency of the said material to become discolored by soil.

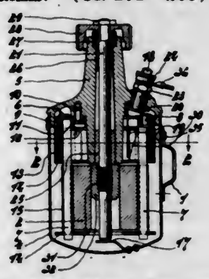
2,192,072
AUTOMATIC ADVERTISING APPARATUS
Charles P. Fasig, Honolulu, Territory of Hawaii
Application August 9, 1939, Serial No. 289,283
5 Claims. (Cl. 40—53)

1. An advertising device comprising a casing having a display opening formed in a side thereof; spaced essentially parallel rotating spools within said casing behind said opening; an elongated sheet of concatenated transparencies carried and stored on said spools and in part extending therebetween behind said display opening, said sheet having formed in marginal portions thereof longitudinally extending essentially parallel rows, one continuous, another discontinuous, of perforations; an electric motor connected to said spools for moving said transparencies behind said opening from one of said spools to another; an electrical illuminating device within said casing behind said opening and part of said sheet; a time controlled first electrical switching means for intermittently starting said motor; a second electrical switching means operated by



motion of said sheet through engagement of parts of said second switching means with the continuous row of perforations formed in the sheet, for causing said motor when started to operate for a predetermined time interval and for intermittenly lighting and extinguishing said illuminating device; and a third electrical switching means operated by motion of said sheet through engagement of parts of said third switching means with the discontinuous row of perforations for intermittently reversing direction of motion of said sheet.

2,192,073
ELECTRIC GENERATOR
Willem Giskes and Hendrik Arend Godard Hazeu, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 4, 1938, Serial No. 188,790
In Germany February 5, 1937
8 Claims. (Cl. 171—209)



7. An electric generator for operation at greatly varying speeds, comprising a permanent-magnet rotor of cylindrical shape, and a stator comprising a core of magnetic material having at least four legs arranged around said rotor and extending substantially parallel to the axis thereof, and a single coil arranged on those parts of said legs which extend beyond the rotor in the direction of its axis, said coil being of

sinuous shape and passing on the outside of every second leg and on the inside of every remaining leg.

2,192,074

MANUFACTURE AND PRODUCTION OF ARTIFICIAL THREADS, FILAMENTS, AND THE LIKE BY THE VISCOSE PROCESS

John Harrison Givens, Hugh Watson Biddulph, and Leslie Rose, Coventry, England, assignors to Courtaulds Limited, London, England, a British company

No Drawing. Application November 27, 1936, Serial No. 113,072. In Great Britain December 12, 1935

6 Claims. (Cl. 18—54)

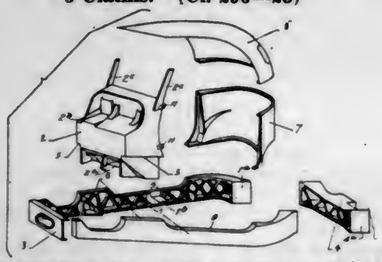
1. A process for the manufacture and production of continuous or discontinuous filaments of relatively high tenacity from viscose which consists in partially coagulating the viscose filaments in a bath containing sulphuric acid and zinc and sodium sulphates wherein the proportion of the salts to the acid is such that immediate complete coagulation is prevented, then stretching the thus coagulated filaments with attendant reduction in cross section while passing them through a dilute acid bath which contains less acid than the aforesaid coagulating bath and is maintained at a temperature above 60° centigrade, which increases the plasticity of the partially decomposed cellulose xanthate filaments.

2,192,075

MOTOR VEHICLE AND ITS MANUFACTURE

Jean Albert Gregoire, Paris, France

Application July 30, 1936, Serial No. 93,484
In France August 1, 1935
3 Claims. (Cl. 296—28)



2. A structure for use in an automobile vehicle, which comprises, in combination, two cast side members made of a light metal, a cast unit also made of a light metal, including, on the one hand, a cross member which constitutes the main intermediate cross connection between said side members, rigidly fixed thereto, and on the other hand the dashboard, and at least another cross member interconnecting said side members, each of these parts being shaped to form a portion of the chassis frame and a portion of the bodywork of said vehicle.

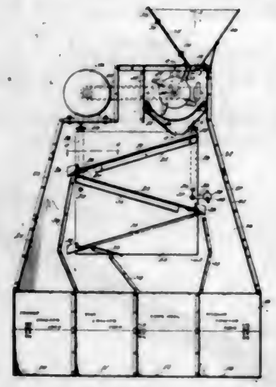
2,192,076

CORN CRACKER AND GRADER

James A. Grow, Columbus, Ind.

Application March 8, 1939, Serial No. 260,645
1 Claim. (Cl. 209—315)

In a corn cracker and grader, corn classifying means comprising a plurality of bins for respectively different sizes of cracked corn, a casing supported on top of the bins and communicating therewith, a shaker cage having side walls mounted to swing pendulum-wise in the casing above the bins, means for shaking the cage, a plurality of downwardly inclined screens arranged in a vertical stack between said walls, said screens being progressively smaller in mesh respectively from the upper to the lower screen, the delivery ends of each two contiguous screens being reversed with respect to each other to discharge from opposite ends of the cage, a collecting trough on the bottom of each screen delivering cracked corn to the top of the next underneath screen, divider walls



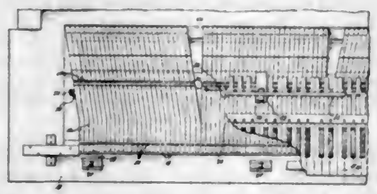
disposed below the delivery ends of the screens for directing different sizes of cracked corn into their respective bins, a delivery spout for each screen fixed to the shaker cage walls and having a projection overlapping the bottom of the screen, and a leaf spring on said delivery spout adapted to be engaged through the screen and hook over the underneath surface of the screen to removably hold the screen in place on the shaker cage walls.

2,192,077

TRANSPOSING KEYBOARD

Elford L. Hanson, Jr., Athens, Ga.

Application December 6, 1938, Serial No. 244,279
3 Claims. (Cl. 84—447)



1. In a piano having a chassis, a plurality of tone producing strings thereon, a plurality of horizontal hammer levers each adapted to cause one of said strings to sound also mounted on said chassis and a number of horizontal key levers in a keyboard movable across said hammer levers in such manner that a major proportion of said key levers overlie said hammer levers in parallel relation thereto, some of said key levers being shorter than the remainder thereof, there being one key lever above each hammer lever having means on the underside thereof to make contact with and depress said hammer lever upon depression of said key lever; a frame movable with respect to said chassis and a mounting therefor comprising a pair of rigid horizontal bearing members each having an upturned edge at each end thereof of a length substantially greater than that of the keyboard one disposed at the

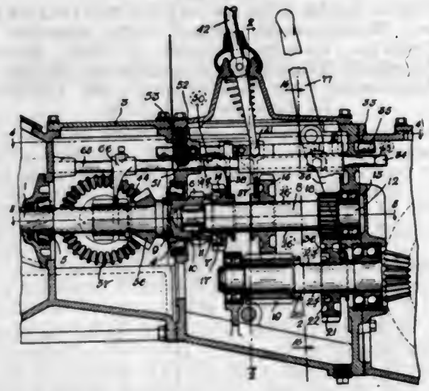
forward and one at the rear side of said frame, a pair of rigid straight members rigidly connecting the respective upturned ends of said bearing members at the ends of the keyboard, a longitudinal rigid member parallel to and intermediate said bearing members rigidly connected at its ends to said straight members, guide pins on said rear bearing member and corresponding guide slots in said key levers, guide pins on said longitudinal member and corresponding slots in said shorter key levers, guide pins on said forward bearing member and corresponding slots in said remainder of said key levers to retain said key levers on said frame in operative position, rollers mounted on said chassis to support said bearing members for movement in the direction of the length of the keyboard, means to inhibit movement of said frame in a direction at right angles to the length of the keyboard and means to retain said frame in a desired position with respect to said chassis.

2,192,078

TRANSMISSION

Richard W. Hautzenroeder, Mansfield, Ohio

Application July 13, 1937, Serial No. 153,303
1 Claim. (Cl. 74—333)



In a transmission mechanism, the combination of a power shaft, an intermediate shaft, a driven shaft, a change speed mechanism including a gear slidably mounted on said intermediate shaft for driving said intermediate shaft at different speed ratios and in opposite directions from said power shaft, a gear loosely mounted on said driven shaft and in mesh with said slidably mounted gear, a pinion fixed on said intermediate shaft, and a gear slidably keyed to said driven shaft, said last-named gear selectively movable either into mesh with said pinion or into clutching engagement with the other gear on said driven shaft.

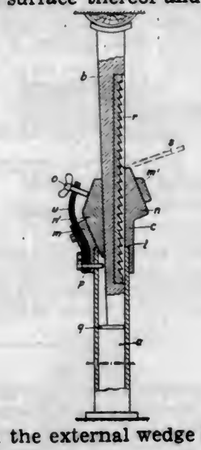
2,192,079

PIT PROP

Wilhelm Hinselmann, Essen-Bredeney, and Carl Tiefenthal, Velbert, Germany

Application June 15, 1937, Serial No. 148,394
In Germany June 17, 1936
7 Claims. (Cl. 248—354)

1. In a pit prop, a tubular member having at one end a socket that is provided at one side with an internal wedge surface and at the opposite side with an extension having an external wedge surface; a tapered member partially inserted into the socket end of said tubular member; and a wedge device including two wedge members, one inserted into said socket to cooperate with the internal wedge surface thereof and the other cooperating with the external wedge surface of the said extension.



2,192,080

BATHING CAP

Alvina L. Hock, Buffalo, N. Y.

Application October 8, 1938, Serial No. 233,970
3 Claims. (Cl. 2—68)



1. An improved hair protector for bathers comprising an imperforate cap formed to fit the head of a bather and substantially cover the hair on the head, a band confined upon the outside of said cap adjacent the marginal edge thereof at at least one point of said edge, and free of said marginal edge for the major portion of said edge, so as to stretch and contract independently of said marginal edge, said band being formed for the entire head encircling portion thereof of a longitudinally elastic, rod-like element having an independently and longitudinally elastic, approximately flat flange of substantial width along and projecting from one side thereof, said band forming a closed loop completely encircling the head of the wearer under stretch, at approximately the hair line of said head and along approximately said marginal edge of the cap, to confine said marginal edge snugly to the head of the wearer.

2,192,081

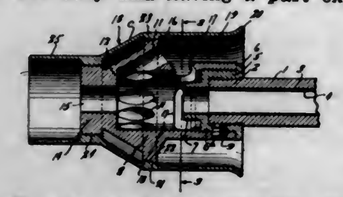
DEVICE FOR RECOIL CONTROL

Robert H. S. Hughes, Baltimore, Md., assignor of one-half to Milton Roberts, Baltimore, Md.

Application April 25, 1938, Serial No. 204,175
4 Claims. (Cl. 89—14)

2. A recoil controlling device comprising a metal body having a combustion chamber therein, said body having at its forward end a seal port and a reaction shoulder surrounding the inner end of said port, and having discharge ports extending outwardly and rearwardly from said shoulder and baffle ports in its side wall at the rear of the discharge ports, and also having means at its rear end for connecting the device

to a gun barrel with the bore of the barrel in alinement with the seal port, and a condenser comprising a metal shield secured to the forward part of the body and having a part extending



rearwardly and open at its rear end, said part surrounding the discharge ports and baffle ports, and a part projecting forwardly beyond the seal port and having its forward end open.

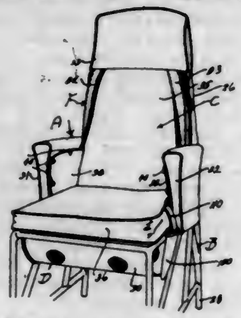
2,192,082
REPELLING DEVICE
Paul A. Hunicke, Fort Madison, Iowa
Application February 1, 1939, Serial No. 254,101
2 Claims. (Cl. 299—95)



1. A device of the character described, comprising, a receptacle adapted to be hidden within the sleeve of a garment of a user adjacent the upper arm of said user, a tube connected to said receptacle and adapted to extend therefrom to the palm of the hand of said user, a strap carried by said tube for securing the latter in adjusted position about the wrist of said user, a normally closed discharge valve connected to said tube and adapted to be carried within the palm of the hand and operable therein upon closing of the fingers to open position for discharging the contents of said receptacle into the face of a criminal, and a hook mounted on said receptacle and adapted to engage the garment for supporting said receptacle in hidden condition within the sleeve thereof.

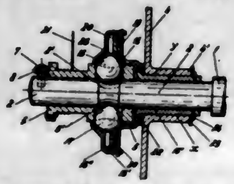
2,192,083
PARACHUTE APPARATUS
Leslie L. Irvin, Letchworth, Herts, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y., a corporation
Application May 14, 1934, Serial No. 725,646
In Great Britain June 28, 1933
6 Claims. (Cl. 244—147)

1. An aviator's chair including a seat and back rests, adapted to receive parachute apparatus including a parachute seat pack and harness connected with the parachute pack, seat and back pads releasably mounted on the seat and back rests of the chair having the harness attached thereto and held in position thereby, a top pocket carried by the back rest of the chair for releasably securing the upper portion of the



harness and the upper portion of the back pad therein, and side pockets at opposite sides of the seat rest of the chair for releasably securing loose portions of the lower part of the harness therein.

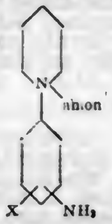
2,192,084
TUNING GEAR FOR RADIO RECEIVING SETS
Leone Kamenarovič, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application June 19, 1937, Serial No. 149,236
In Italy June 25, 1936
5 Claims. (Cl. 74—10)



1. A tuning control device for radio receivers comprising a manipulating knob, a part connected with said knob, a second part concentric with the first named part, planet means intermediate said parts, a driven member engaged with said planet means, connecting means engaged with said member for actuating the radio receiver tuning means and dial, means on said first named part and driven member for their direct interengagement with wide angular lost motion, a stationary part, said second part and stationary part having cooperating friction surfaces and said connecting means being operative on said member and second part to hold said friction surfaces interengaged and said second part stationary during the drive of said driven member through said planet means and to provide for slip motion of said second part when said knob and first-named part drive directly said driven member.

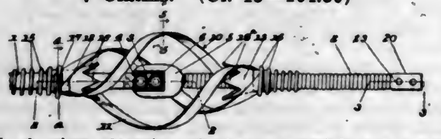
2,192,085
MANUFACTURE OF PYRIDINIUM COMPOUNDS
Valentin Kartaschoff and Willy Steinemann, Basel, Switzerland, assignors to the firm of Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application October 21, 1938, Serial No. 236,332. In Germany October 21, 1937
8 Claims. (Cl. 260—296)

1. A process for the manufacture of new condensation products, comprising treating pyridinium compounds of the general formula



wherein X stands for a substituent selected from the group consisting of hydrogen, nitro, halogen and amino and "anion" represents a radical of an acid of the inorganic and organic series, with a polymerizing compound selected from the class consisting of aldehydes and methylolureae.

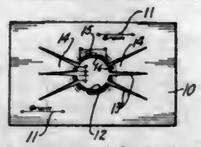
2,192,086
PIPE SEWER ROD
Anton P. Kjeruiff, Guthrie, Okla.
Application February 19, 1936, Serial No. 64,768
7 Claims. (Cl. 15—104.30)



1. A pipe cleaning device comprising a sewer rod, a stiff coil spring pilot, a cutter commonly and slidably mounted on the sewer rod and coil spring pilot, and means joining said rod and pilot within the confines of the cutter to limit the sliding motion of said cutter on the rod and pilot.

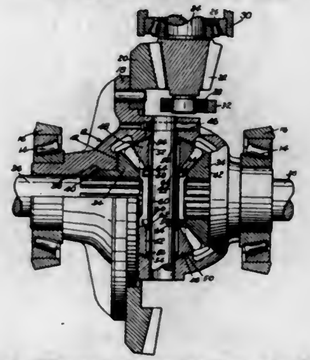
7. A pipe cleaning device comprising a flexible rod member, a sleeve on the rod member with means to fix the sleeve in position on said rod member, a cutter member which has a plurality of cutting elements each helically disposed around the rod member and including pronged sleeves to which the ends of the cutting elements are attached, said pronged sleeves being slidable on the rod member and engageable by the first sleeve, and buffer means carried by the pronged sleeves.

2,192,087
FASTENER
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application May 23, 1939, Serial No. 275,245
3 Claims. (Cl. 85—36)



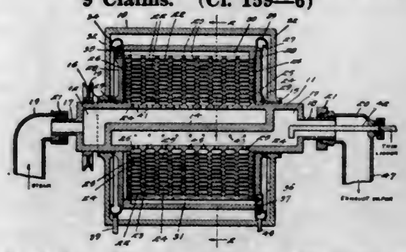
1. A fastener comprising a relatively thin plate of sheet material having an opening therein, a pair of diametrically opposed sets of relatively flexible juxtaposed tongues with the free ends thereof bounding said opening, relatively rigid plate portions disposed on opposite sides of each set of tongues and having a combined surface bounding said aperture greater than the combined bounding surface of said tongues, outwardly inclined portions adjacent the extreme free ends of said tongues, the remainder of said tongues normally lying substantially in the plane of said plate, and outwardly inclined portions on each of said relatively rigid plate portions cooperating with said inclined portions of said tongues to form a substantially frusto-conical stud-receiving opening slightly smaller in diameter than the diameter of the stud it is adapted to engage.

2,192,088
NEEDLE BEARING DIFFERENTIAL
Robert P. Lewis, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application March 25, 1937, Serial No. 133,081
6 Claims. (Cl. 184—11)



1. In a differential mechanism, a casing, trunnion means carried by said casing and extending radially inwardly therefrom, pinion gears provided with needle-like roller bearings journaled on said trunnions, and lubricant collecting means for catching centrifugally thrown lubricant and directing it to said bearings, said means comprising inwardly facing cup-shaped elements secured to said trunnions adjacent the inner sides of said gears and provided with passage means communicated with said bearings, said cup-shaped elements being adapted to receive lubricant thrown outwardly from the center of said casing and direct the same through said passage means to said bearings.

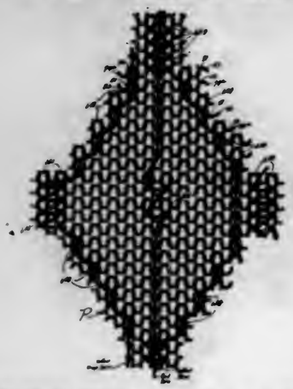
2,192,089
EVAPORATOR
Sam Long, Manhattan, Kans.
Application November 1, 1938, Serial No. 238,285
9 Claims. (Cl. 159—6)



2. A device of the character described comprising a stationary casing, a shaft rotatably disposed within said casing, said shaft being hollow throughout its length, a multiplicity of spaced spirally formed walls defining spiral passages therebetween having communication with said shaft, one passage arranged in heat transfer re-

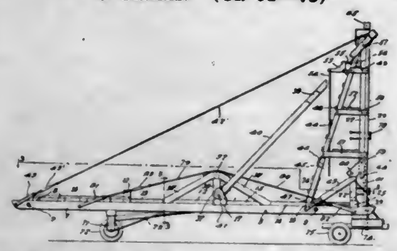
lation with the other, means for admitting a heating medium from said shaft to certain of said passages and means for feeding an evaporating liquid from said shaft to the other of said passages.

2,192,090
KNITTED FABRIC
Harry McAdams, Reading, Pa., assignor to Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania
Original application June 14, 1934, Serial No. 730,666. Divided and this application May 23, 1935, Serial No. 23,085
2 Claims. (Cl. 66—201)



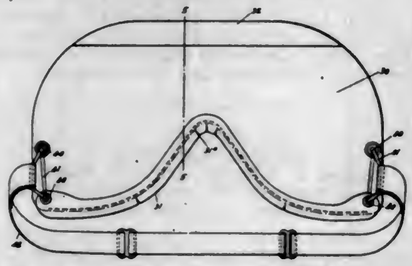
1. A knitted fabric including a tubular seamless body of interlinked courses having relatively spaced courses thereof formed out of a plurality of body yarns knitted in both normal and reverse plated relation, the remaining courses of the fabric being formed of a plurality of other body yarns also knitted in normal and reverse plated relation and in complementary pattern providing relation with the normal and reverse plated portions produced of the first mentioned pair of body yarns, and a plurality of wrap yarns interknitted with predetermined stitch loops in successive courses of the fabric in complementary patterned relation with the normal and reverse plated areas of the fabric.

2,192,091
PORTABLE AND COLLAPSIBLE PILE DRIVER
Bruce V. Millam, Menlo, Wash.
Application April 26, 1937, Serial No. 139,062
6 Claims. (Cl. 61—73)



1. A pile driver comprising a horizontal ambulatory chassis, pile driving structure at the front end of said chassis, said structure comprising a stationary vertical section fastened to said chassis and rising above the level of said chassis, a collapsible section hinged adjacent the upper end of said stationary section and normally thereby supported in vertical pile driving position, and hinged elements secured to said chassis rearwardly of said stationary section and engageable with a lower portion of said collapsible section for supporting said collapsible section in the vertical position.

2,192,092
EYESHIELD
Gray Miller, Jr., Westmount, Quebec, Canada
Application December 2, 1938, Serial No. 243,670
In Canada April 1, 1938
5 Claims. (Cl. 2—12)



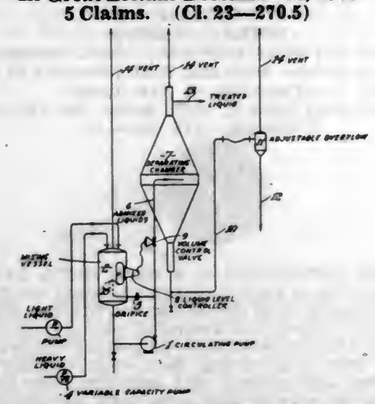
1. A frameless, flexible eyeshield requiring contact with the features to be held in operative shape and in position, comprising, a flat expansive sheet of transparent material constituting the body portion, the lower edge of said sheet being shaped to include a nose recess and cheek-conforming portions adapting it to fit the face below the eyes; on flexure into contact therewith, said cheek-conforming portions being lower towards their outer ends than towards the middle of the shield, whereby the upper part of the sheet is buckled outwards to provide an open top for ventilation when the lower edge is urged against the features, retaining means secured to the outer corners of the lower edge for urging said lower edge against the features to hold the shield in operative shape and in position, and a transparent flexible stiffening member secured to the top edge of said sheet to lessen its flexibility in that region.

2,192,093
RESPIRATOR
Elif A. Moore, Clifton, Tex.
Application April 29, 1938, Serial No. 205,068
2 Claims. (Cl. 128—148)



1. A device of the character described comprising a tubular inherently yieldable body of substantially elliptical shape in cross section, a concavo convex strainer centered within the body at one end thereof, a reniforcing member spirally embedded in the body, oppositely arranged reinforcing members within said body and having ends projecting inwardly from within the body, and filtering means within the body and anchored by said ends.

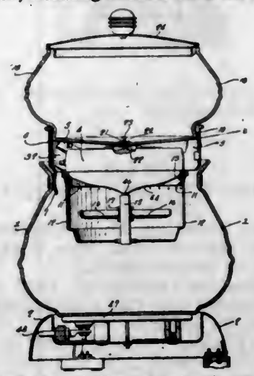
2,192,094
APPARATUS FOR TREATING ONE LIQUID WITH ONE OR MORE OTHER LIQUIDS
Harold Moore, London, England
Application December 9, 1937, Serial No. 179,020
In Great Britain December 14, 1936
5 Claims. (Cl. 23—270.5)



1. An apparatus for treating one liquid with another liquid of different density comprising as a unit, a mixing vessel, means for continuously charging said mixing vessel with a light liquid and a heavy liquid, at least one of said charging means being of variable capacity whereby said liquids are supplied at rates of flow bearing a predetermined proportion to each other; a pump; a line interconnecting the intake of said pump and said mixing vessel, a second line interconnecting the outlet of said pump and said mixing vessel; orifice means for creating back pressure in said second line; a separating vessel; a third line interconnecting the outlet of said pump and said separating vessel and having a valve therein; means automatically operated by the liquid level in said mixing vessel for opening said valve and allowing the admixed liquids to flow to said separating vessel when the liquids attain a predetermined level in said mixing vessel, and for closing said valve when said liquids fall below a predetermined level, thereby automatically maintaining a constant level in said mixing vessel irrespective of the rates of flow of liquids into said mixing vessel; and lines leading from the upper and lower portions of said separating vessel for the discharge of said light and heavy liquids respectively; said line for the discharge of the said heavy liquid terminating in an outlet of adjustable height whereby the level of the surface of separation between the liquids in the separating vessel may be adjusted.

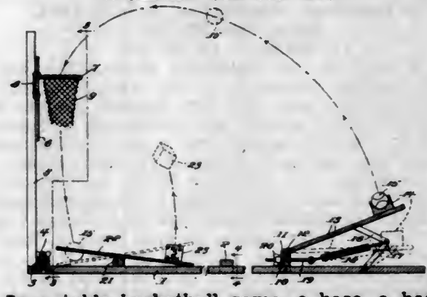
2,192,095
COFFEE MAKER
Joseph W. Myers, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application October 22, 1937, Serial No. 170,440
4 Claims. (Cl. 53—3)

1. A coffee-making device, comprising a cold water reservoir having a small outlet opening at its bottom capable of passing a small quantity of water, whereby a slow stream of water is emitted gravitationally from said reservoir with a diminishing rate of flow, a coffee ground container disposed below said reservoir, a heating unit interposed between said reservoir and said container so as to receive water from said reservoir and supply it to said container, said heating unit having on its upper surface an open groove forming an open water passageway constructed and arranged to convey the diminishing water stream gravitationally, said open water passageway being accessible for removal of materials deposited on the walls thereof, heating means on said heating unit



having a substantially constant predetermined heat input, whereby the temperature of the diminishing water stream increases progressively as the coffee-making operation proceeds, and a coffee infusion receptacle disposed beneath said coffee ground container so as to receive the coffee infusion therefrom.

2,192,096
GAME APPARATUS
Michael E. Minger, Pottsville, Pa., assignor of one-half to Edward P. White, Pottsville, Pa.
Application December 20, 1938, Serial No. 246,888
1 Claim. (Cl. 273—85)



In a table basketball game, a base, a basket suspended above said base, a supporting block secured to said base and having a reduced upper portion providing a bearing, a platform rockably mounted on the bearing and arranged with one end portion thereof directly underlying the basket for disposal in the path of a ball when passed through the basket for the ball to tilt the platform, and playing and score keeping indicia bearing means to be placed upon the opposite end portion of the platform to be projected therefrom when the platform is tilted by the ball, so as to determine the plays and score of the game when said means comes to rest.

2,192,097
FERRULE
Celtic Nicholson, Leominster, Mass., assignor to Haldie Nicholson Co., Leominster, Mass., a corporation of Massachusetts
Application June 23, 1939, Serial No. 280,854
3 Claims. (Cl. 135—54)

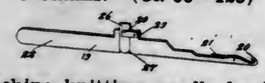
1. A ferrule having an internal and substan-

tially cylindrical recess provided with a plurality



of inwardly projecting ribs disposed at a relatively small helix angle.

2,192,098
INDEPENDENT NEEDLE FOR KNITTING MACHINES
Albert E. Page, Brooklyn, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Original application October 12, 1937, Serial No. 168,645. Divided and this application April 16, 1938, Serial No. 202,559
5 Claims. (Cl. 66—123)



1. A machine knitting needle having a hook and a shank in combination with a fixed butt and a sliding butt on said shank, the sliding butt being adapted to project through and beyond the fixed butt when projected for selecting purposes.

2,192,099
METHOD AND COMPOSITION FOR IMPROVING MILLING PRODUCTS
Frederic H. Penn, Dallas, Tex.
No Drawing. Application June 6, 1939, Serial No. 277,733
12 Claims. (Cl. 99—91)

1. A method for improving wheat flour and other milling products which comprises intimately mixing with the dry milling product a powdered [illegible] soluble salt containing a heavy metal in its acid radical and a powdered active organic peroxide having substantial flour bleaching properties, the peroxide being in sufficient amount to bleach the milling product and said salt being in sufficient amount to increase the loaf volume factor of the milling product, and subjecting the milling product in dry form to the simultaneous action of said salt and peroxide for a sufficient time to bleach and mature the product.

2,192,100
METHOD AND COMPOSITION FOR IMPROVING MILLING PRODUCTS
Frederic H. Penn, Dallas, Tex.
No Drawing. Application June 6, 1939, Serial No. 277,737
10 Claims. (Cl. 99—91)

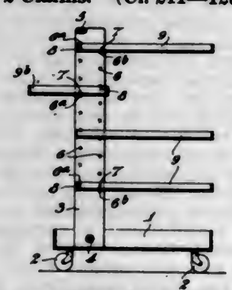
9. A method for improving wheat flour and other milling products which comprises intimately mixing with the dry milling product a powdered active organic peroxide selected from the group consisting of the aromatic and fatty acid peroxides having substantial flour bleaching properties, additionally mixing with the dry milling product a powdered nitrogen acid salt selected from the group consisting of the alkali metal and alkaline earth metal nitrates and nitrites, said peroxide being in sufficient amount to bleach the milling product and said salt being in sufficient amount to increase the loaf volume factor of the milling product, and subjecting the latter in dry form to the simultaneous action of said salt and peroxide for a sufficient time to bleach and mature the product.

2,192,101
SPIRAL SPRING
Leonard C. Peskin, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 8, 1937, Serial No. 147,119
2 Claims. (Cl. 267—1)



1. The combination of a spiral spring having an outer end of approximately the same hardness as the remainder of the spring and through which a hole is formed, an anchored pin spaced from said end in approximate alignment therewith, and a wire link having bent ends respectively engaging said pin and said end, the latter being engaged by way of said hole, said link pivoting on said pin and pivotally swinging with said end during working of said spring.

2,192,102
CARRIAGE FOR SUPPORTING TRAYS
Edward Henry Pinto, London, England
Application August 12, 1938, Serial No. 224,631
In Great Britain October 27, 1937
2 Claims. (Cl. 211—126)

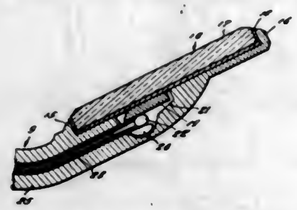


2. A rack or carriage for supporting trays for restaurant, hospital, or domestic use, comprising, a base, uprights secured to each side of the base and in transverse alinement, and a pair of vertically arranged rows of inwardly projecting abutments carried by the inner side of each upright, the abutments of one row being horizontally disalined with respect to the abutments of the other row to provide tray-receiving spaces therebetween and whereby a tray may be inserted from either side of the uprights and be supported by its bottom bearing on related abutments of each member while the upper edge of the tray will bear against the under side of the corresponding related abutments above said first mentioned abutments to support the tray in cantilever fashion.

2,192,103
DENTAL MOUTH MIRROR
Alexander P. Preston, Denver, Colo.
Application August 2, 1938, Serial No. 222,728
1 Claim. (Cl. 306—28)

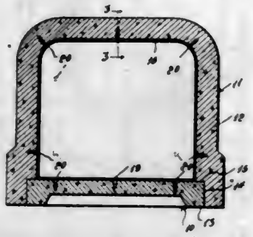
Means for fastening one member in a socket in a second member comprising a pair of spaced

hooks, each hook including a shank and a curved beak, one side of each shank being fastened to the bottom part of the first member with the beak extending downwardly from said bottom, the second member having a cavity therein opening out through the socket for receiving said hooks, said cavity having a deep part for receiving the beaks of the hooks and a shallow part receiving portions of the shanks, said shallow part



having a bottom wall sloping upwardly from the deep part of the cavity to the end of the shallow part thereof and a slidable stem in the second member having a T-shaped head located in the cavity and engaging the hooks, said T-shaped head moving into the shallow part of the cavity into contact with the sloping wall thereof when the stem is moved in a direction to move the head out of engagement with the hooks.

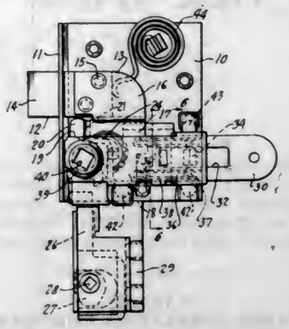
2,192,104
BURIAL VAULT WITH METAL LINING
Everett Reynolds, Mooreland, Ind.
Application February 9, 1939, Serial No. 255,498
1 Claim. (Cl. 72—7)



A vault of the class described comprising sections adapted to be sealed together, said sections each having a concrete wall and lining of imperforate metal on the inner surface of such wall, anchor members secured to the outer surface of the lining members and extending into the concrete, one of said sections having top, side and end walls, said side walls being interiorly cutaway from their lower edges outwardly beyond the lining of such section, and the other section fitting said cutaway portions and having its metallic lining contacting the lower edges of the metallic lining of the companion section.

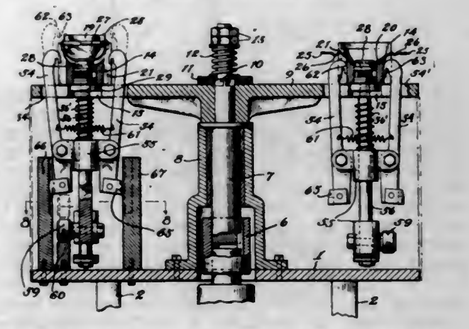
2,192,105
AUTOMOBILE DOOR LATCH STRUCTURE
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application December 21, 1936, Serial No. 116,925
2 Claims. (Cl. 292—169)

2. In a vehicle door latch, a case plate, a spring tensioned substantially Z-shaped latch bolt, a roll back for retracting said bolt disposed adjacent the lower horizontal portion of the bolt, a finger rotatable with said roll back, a dogging slide between said horizontal portion of the bolt and said case plate and adapted when in one position to block movement of said finger, and a



single cover plate fitting over said roll back and said horizontal portion of the bolt secured to said case plate and providing a guide for movement of said bolt.

2,192,106
PERCOLATOR STRAPPER MACHINE
James W. Ross and Francis L. Crosbie, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 8, 1937, Serial No. 178,832
18 Claims. (Cl. 153—1)



1. An apparatus of the character described, including a rotatable table, a plurality of shaping units mounted on the table, each unit including a strapper block adapted to receive a percolator top and a strap, a pair of shaping arms, means for moving said arms upwardly along the percolator top to shape the strap to the contour of the top, and means for moving the arms inwardly to bend the strap ends inwardly across the edge of the percolator top.

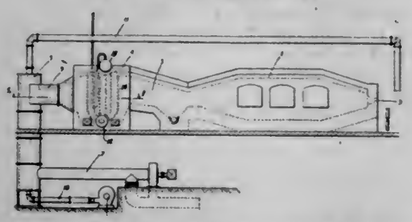
12. An apparatus of the character described for affixing straps upon the percolator tops, the percolator tops being constructed with knobs and the straps being formed with openings to receive the knobs, said apparatus, including a plurality of movable strapper blocks, each block adapted to receive a strap and a percolator top in the order named with the knob of the percolator top extending through the opening in the strap, the end portions of the strap projecting beyond the percolator top and block, and means movable upwardly and inwardly for engaging the projecting end portions of the strap and shaping the strap to the contour of the percolator top.

2,192,107
WALL CONSTRUCTION
Frank R. Schaaf, Meriden, Conn.
Application August 29, 1938, Serial No. 227,413
3 Claims. (Cl. 72—48)



1. A new article of manufacture, comprising, a precast integrally fashioned latticed building unit of plastic material having interstices for receiving other plastic material therein for anchorage to said unit to form an integrant thereof.

2,192,108
STEEL SMELTING FURNACE
Alfred Schack, Meerbusch, near Dusseldorf, Germany, assignor to Rekuperator Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany, a body corporate of Germany
Application July 30, 1938, Serial No. 222,073
In Germany August 28, 1935
1 Claim. (Cl. 122—7)



A steel smelting system comprising a smelting furnace, a fuel burner connected to said furnace, a water-tube steam generator and an air-heating recuperator, said water-tube steam generator being interposed in the direct path of flow of combustion gases from the said furnace to the said recuperator, said recuperator being connected to said furnace to supply air heated by said combustion gases for the combustion of fuel supplied to said fuel burner, the cross-sectional area for the passage of combustion gases between the tubes of said water-tube steam generator being proportioned in relation to the corresponding free area for the passage of combustion gases in the said recuperator, so that the resistance to the flow of said combustion gases through the space spanned by the tubes of the said steam generator is less than half that of the said free area in the recuperator, whereby the said combustion gases are cooled in passage through the steam generator space so that the temperature of the molten particles in the said combustion gases is reduced below the melting point thereof, thereby avoiding corrosion on the heating surfaces of the recuperator.

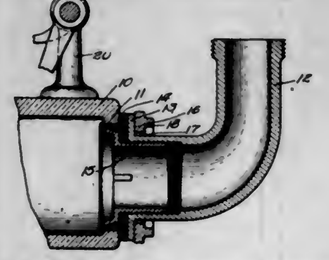
2,192,109
PARACHUTE AND SAFETY HARNESS APPARATUS
Floyd Smith, Buffalo, N. Y., assignor to Irving Air Chute Co. Inc., Buffalo, N. Y., a corporation
Application May 22, 1939, Serial No. 275,103
3 Claims. (Cl. 244—122)

1. In combination with parachute and safety harness, the combination of a parachute harness having front riser straps to extend upwardly at the front and over the shoulders of a wearer, the safety harness including front strap portions to extend upwardly at the front and over



the shoulders of the wearer, slip loops on each of the front straps of the parachute harness and safety harness below the shoulders of the harnesses, having complementary snap fastening means to releasably secure them together.

2,192,110
WATER CLOSET CONNECTION
John W. Szlapka, Chicago, Ill.
Application October 31, 1938, Serial No. 238,044
4 Claims. (Cl. 285—33)



1. Apparatus of the character described for maintaining a tight connection between a flanged conduit and a hornless toilet bowl, including: a gasket adapted to lie between said bowl and the flange on said conduit; a yoke adapted to contact said flange on the side removed from said bowl; and means engaging said bowl and said yoke and adapted to draw said yoke toward said bowl to maintain said flange in sealing engagement with said gasket.

2,192,111
RETAINER FOR YARN PACKAGES
George A. Vlaszac, Philadelphia, Pa.
Application May 31, 1938, Serial No. 210,941
6 Claims. (Cl. 242—110)

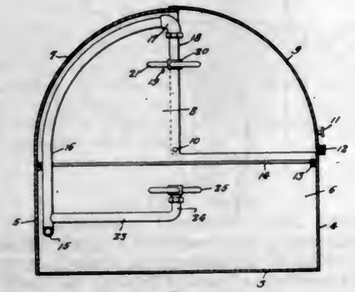
1. A retainer for textile yarn packages comprising a skeleton form consisting of a plurality of longitudinal elements arranged in spaced annular series around a predetermined axis, each of said longitudinal elements being joined at the opposite ends respectively to the adjoining longitudinal elements by means of a transversely offset resilient loop, said form being adapted to extend through the interior of the yarn package, and a shield for said package comprising an annular element embracing the longitudinal elements of

said form and having at its inner periphery a series of projecting fingers adapted respectively



to extend between the longitudinal elements of said form.

2,192,112
STERILIZER
Harry Lambi Vrusho, Worcester, Mass.
Application September 1, 1938, Serial No. 228,026
1 Claim. (Cl. 21—78)



Sterilizing apparatus comprising a rectangular vault having a transversely curved top including a front closure, a horizontally disposed grid in said vault substantially midway between the top and bottom thereof, a water supply pipe extending through one end of the vault into the latter below said grid and close to the rear wall of the vault, said pipe having an upstanding end in the transverse center of the vault curving in conformity with the top of the vault and spaced close thereto, said end terminating at the top of the vault in the longitudinal center thereof, an upper sprinkler mounted on the terminal of said end below the same for rotation about a vertical axis under reaction incident to the discharge of water therefrom, a branch pipe extending forwardly and horizontally from said upstanding end in the plane thereof and below said grid, and a lower sprinkler mounted on said branch pipe for rotation in the axis of the upper sprinkler under reaction incident to discharge of water therefrom and oppositely relative to the direction of rotation of the sprinkler first mentioned.

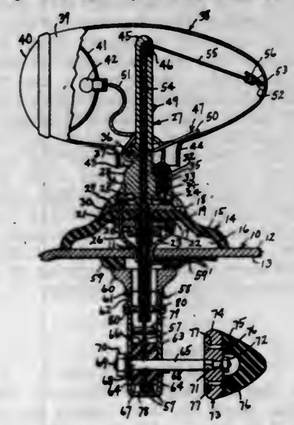
2,192,113
PARACHUTE APPARATUS
George Waite, Buffalo, N. Y., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y., a corporation
Application March 28, 1934, Serial No. 717,836
7 Claims. (Cl. 244—122)

1. As an article of manufacture a parachute aircraft chair comprising seat and back portions, a parachute pack hood at the top of the chair having resilient pack retaining means therein, and pockets at the sides of the chair having



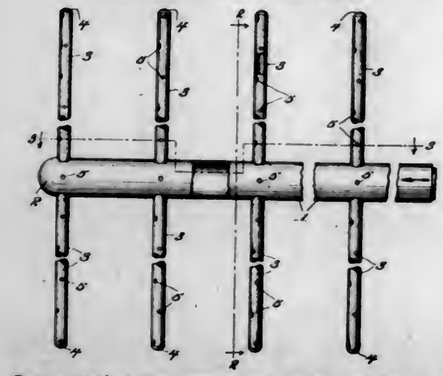
means yieldably closing the entrances thereto, said pockets opening upwardly.

2,192,114
SPOTLIGHT
Luther E. O. Walker, Gary, Ind.
Application July 21, 1938, Serial No. 220,543
6 Claims. (Cl. 240—61.13)



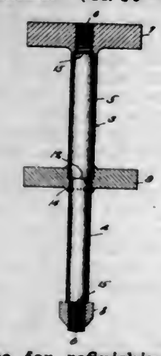
1. In an adjustable spotlight, a hollow lamp body having an opening in one side defined by a skirt-like flange, a hollow standard extending loosely through said opening and having an end portion terminating interiorly of the lamp body and adjacent a side thereof opposite to said opening, said end portion carrying a sheave, means pivoting the lamp body at said skirt-like flange to said standard, a flexible line extending thru said hollow standard and having one end portion trained around said sheave and secured to an interior portion of said lamp body remote from said sheave, the opposite end portion of said line extending from the end portion of the standard opposite said sheave, and control means including a frame secured to the last-named end portion of the standard, a control shaft carried by the frame, a resilient spool fixed on the shaft and having an end surface frictionally engaging the frame, said last-named end portion of the line being secured to said spool, and means regulating the axial relationship of said shaft with respect to the frame whereby to vary the frictional engagement of said spool and frame.

2,192,115
SEDIMENT REMOVER
Elmer G. Ware, Bakersfield, Calif.
Application April 4, 1938, Serial No. 200,052
1 Claim. (Cl. 299—141)



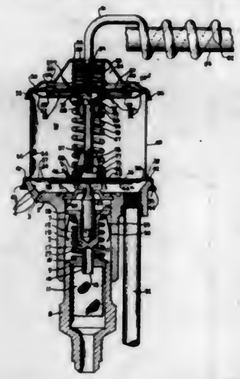
In a device for removing sediment from the bottom of a water course, a main conduit having one end closed and its opposite end connected to a fluid pressure supply, and a plurality of spaced conduits of lesser diameter than the said main conduit extending in a horizontal plane and connected to and communicating with the main conduit and having their free ends closed, all of said conduits having a plurality of discharge vents opening vertically from the plane of the conduits, and said auxiliary conduits having discharge vents intermediate the first-mentioned discharge vents opening toward the closed end of the main conduit in a manner whereby the said conduits may be placed on a bank of sediment with the closed end of the main conduit directed downstream and with the first-mentioned discharge vents directed downwardly into the said sediment to permit the fluid from the pressure source to agitate the same so that fluid issuing from the second-mentioned discharge vents may direct the particles of sediment into the stream of the water course.

2,192,116
RESEATING TOOL
Hosea David Waters, Stillwater, Okla.
Application April 19, 1939, Serial No. 268,839
2 Claims. (Cl. 90—12.5)



1. In a device for refinishing the seat of a faucet, a body comprising spindles of different diameters, the spindles being provided at their outer ends with retainers, a first rotator detachably assembled with one retainer, a refinishing tool detachably assembled with the other retainer, and a second rotator mounted on the intermediate portion of the body, the body being reversible, end-for-end, whereby the appropriate spindle may be caused to fit closely, and for rotation, in the opening of a faucet cap, the retainers being of duplicate construction, whereby the first rotator and the refinishing tool may be interchanged on the retainers, when the body is reversed end-for-end.

2,192,117
CONTROL DEVICE
Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 22, 1935, Serial No. 22,769
18 Claims. (Cl. 236—92)

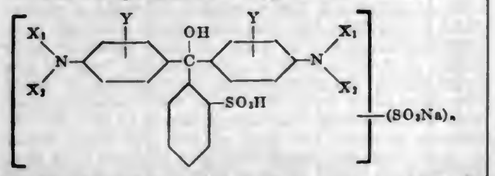


1. In an expansion valve for controlling the admittance of a refrigerant medium to a refrigerant evaporator, a casing having an inlet and an outlet port and having a tubular-shaped extension, said extension being formed at its open end with a reentry flange portion having a portion extending substantially transverse to the longitudinal axis of said tubular extension, a valve for controlling flow through said casing, means for actuating said valve including a diaphragm, said diaphragm having an outer border portion seated on and closing the open end of said extension, means for securing said diaphragm to said extension, means operatively connecting said diaphragm and said valve, and a reenforcing plate member for said diaphragm to prevent rupture of the same, said reenforcing plate member being carried by said diaphragm and within said extension, said reenforcing plate member having an offset portion positioned for engagement with said transverse portion of said extension for limiting flexing movement of said diaphragm.

10. In a control device, a casing having a valve chamber and a valve port in communication therewith, said valve port having a valve seat, a reciprocal valve supporting member in said chamber, a valve carried by said supporting member and controlling flow through said port, means operable to move said supporting member in one direction, guide means for said supporting member, a coil spring surrounding said supporting member and operable to move the same in the opposite direction, and spring fingers carried by said supporting member and frictionally engaging the inner wall of said valve chamber, said spring fingers acting to dampen vibratory action of said spring to obtain a smooth reciprocal valve action.

2,192,118
ACID DIAMINO-TRIPHENYL-METHANE DYESTUFFS
Paul Herbert Wolff, deceased, late of Frankfort-on-the-Main-Hochst, Germany, by Richard Wenzel, administrator, Frankfort-on-the-Main-Hochst, Germany, and Hans Moehrke and Gustav Schäfer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 21, 1939, Serial No. 263,182. In Germany March 23, 1938
5 Claims. (Cl. 260—394)

1. The compounds of the general formula:



wherein n means one of the numbers one and two,
wherein X_1 represents an alkyl group containing 8 to 18 carbon atoms,
X_2 represents a member of the group consisting of hydrogen, alkyl and aralkyl of the benzene series, X_3 represents a member of the group consisting of aryl of the benzene series and alkyl containing 8 to 18 carbon atoms and
Y represents a member of the group consisting of hydrogen and alkyl.

2,192,119
DENATURANT
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1937, Serial No. 180,563
4 Claims. (Cl. 202—77)

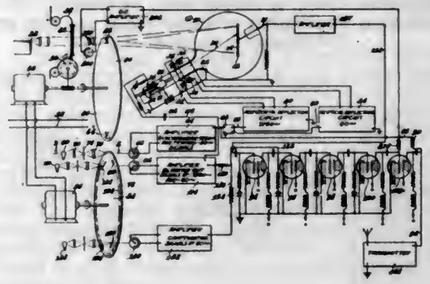
1. A denatured ethyl alcohol consisting of ethyl alcohol and from 0.1% to 5% by volume of a material selected from the group consisting of: 1-butynol-3; 1-butenol-4; methallyl alcohol; 2-pentenol-4; ethyl ethynyl carbinol; 2-methyl-2-pentenol-4; isopropyl ethynyl carbinol; 1-hexenol-5; 1,6-heptadienol-4; and, 2-methyl-6-heptenol-4.

2,192,120
DENATURANT
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1937, Serial No. 180,564
5 Claims. (Cl. 202—77)

1. A denatured alcohol containing denaturing quantities of a substituted ketone selected from the group consisting of acetyl methyl carbinol, butanol-3-one-2, 1-hydroxy-2-methyl butanone-3, 2-methyl-2-hydroxy-3-butanone and butanol-1-one-2.

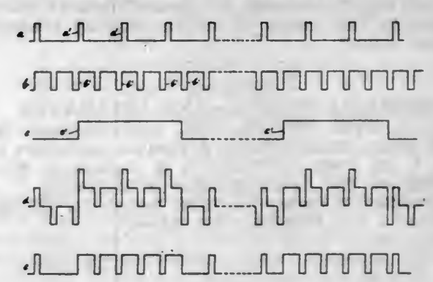
2,192,121
TELEVISION SYSTEM AND THE METHOD OF OPERATION THEREOF
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1934, Serial No. 728,147
Renewed June 17, 1938
49 Claims. (Cl. 178—7.2)

1. In the art of television, the method of operation which comprises developing synchronizing signals at a relatively high line-scanning frequency and framing signals at a relatively low framing frequency, amplifying said signals, and



causing the synchronizing signals to occur at a frequency substantially greater than the line-scanning frequency only during substantially the periods of occurrence of the framing signals.

2,192,122
SYNCHRONIZING MEANS FOR TELEVISION AND LIKE SYSTEMS
Michael Bowman-Manifold, Woking, Edward Cecil Cork, Ealing, London, and Cecil Oswald Browne, West Acton, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 30, 1935, Serial No. 38,524. Renewed December 8, 1939. In Great Britain August 31, 1934
10 Claims. (Cl. 178—69.5)

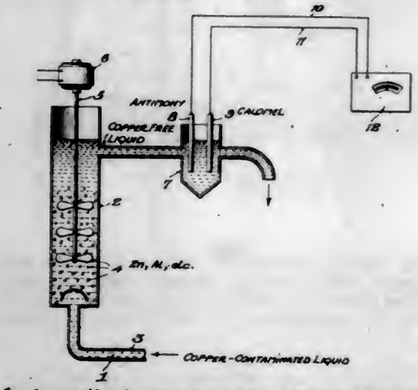


1. A method of providing synchronizing signals for use at a television receiver employing interlaced scanning, said method comprising generating line synchronizing pulses in the intervals between trains of picture signals representative of lines of the object to be transmitted, generating frame synchronizing signals having a duration greater than the interval between successive line pulses, generating suppressing pulses occurring at n times the frequency of said line pulses where n is a small integer representing the number of traversals in which said object is completely scanned, causing certain of said suppressing pulses to terminate at substantially the same moment as a line pulse commences, mixing said line pulses and frame signals in the same sense with said suppressing pulses in the opposite sense, limiting the mixed signals for removing parts thereof above and below the frame signals, and transmitting the resultant limited signals.

2,192,123
DETERMINATION OF HYDROGEN-ION CONCENTRATION

Eugene G. Bennett, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio

Application September 9, 1936, Serial No. 100,028
3 Claims. (Cl. 204—1)

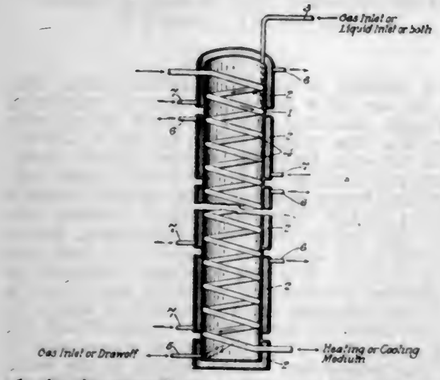


1. A method of improving and regularizing antimony electrode determininations of pH in aqueous liquors containing traces of soluble copper, which comprises bringing a portion of the liquor into contact with particles of a metal which is electropositive with respect to copper and which upon going into solution does not appreciably affect the pH of the liquor, so as to remove dissolved copper from the liquor, and passing decoppered liquor to an antimony electrode pH measuring cell, where the measurement takes place, whereby regular and consistent pH determinations are secured despite variations in the traces of copper initially present in the liquors.

2,192,124
CHEMICAL PROCESS AND APPARATUS

John L. Brill, Newark, Del., and Richard W. Plummer, Buenos Aires, Argentina, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 24, 1937, Serial No. 127,382
6 Claims. (Cl. 23—1)



1. An improved apparatus for chemical gas-liquid contact reactions which comprises a vertically disposed elongated cylindrical reaction vessel having a length of from 50–1200 times that of its internal diameter, means adapted for supplying reactants to the upper portion thereof, means adapted for supplying reactants to and removing reactants from the bottom portion thereof, means contiguous to the internal surfaces of the reaction vessel for retarding the vertical flow of liquid, and a series of sectional means for temperature control surrounding said reaction vessel.

4. A process for effecting chemical reaction between materials at elevated temperatures and pressures, at least one of the materials being gaseous and one liquid at the desired temperature and pressure, which comprises passing a gaseous reactant through a vertically disposed elongated tubular reaction vessel having a length of from 50 to 1200 times that of its internal diameter and so small an unobstructed internal diameter that in passing the gas and liquid through in a continuous flow the path of the liquid is confined to a thin film on the interior wall of the tube while simultaneously introducing a liquid reactant at or near the top of the reaction vessel and withdrawing reaction products at or near the bottom thereof, the feed of gas and liquid being in such reactive quantities and at such rate that the liquid travels downwardly as a layer of liquid substantially uniformly covering the interior wall of the reaction vessel.

2,192,125
PROCESS FOR PREPARING IMPROVED HYDROGENATION CATALYSTS IN LUMP FORM

Cecil L. Brown and William H. Jones, Baton Rouge, La., assignors to Standard-I. G. Company

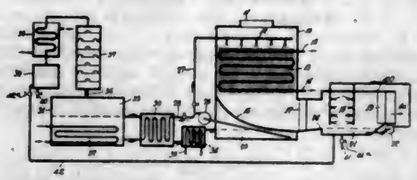
No Drawing. Application December 29, 1937, Serial No. 182,372
3 Claims. (Cl. 23—236)

1. In the process of making catalyst adapted to change the carbon-hydrogen ratio of organic compounds wherein a mass consisting essentially of group VI sulphide is compressed under a pressure of the order of several tons per square inch into a molded product; a method of improving the mechanical strength of the molded product which comprises maintaining said product at a temperature of between about 250° F. and 600° F. for a time of the order of several hours, in an inert atmosphere.

2,192,126
METHOD OF CONDITIONING AIR

Charles R. Downs, Old Greenwich, Conn., assignor to The Calorider Corporation, Greenwich, Conn., a corporation of Connecticut

Application August 4, 1938, Serial No. 223,043
15 Claims. (Cl. 62—176)



1. The method of conditioning air to a moisture unsaturated state, which includes absorbing moisture from a current of air by the action of a concentrated solution of a volatile hygroscopic compound, washing out of the dehydrated air vapors of said compound carried by said dehydrated air and cooling said dehydrated air by contact with a more dilute solution of said compound, and preventing accumulation of said compound in said dilute solution by withdrawing a portion thereof.

2,192,127
PROCESS OF PRODUCING FAST DYEINGS

Friedrich Ebel, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

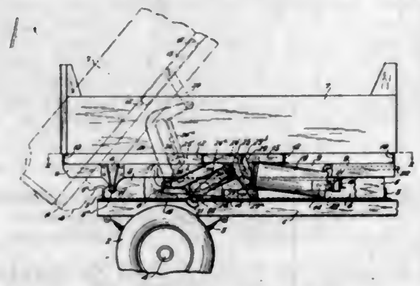
No Drawing. Application November 18, 1937, Serial No. 175,255. In Germany November 25, 1936
4 Claims. (Cl. 8—22)

1. A process of producing fast dyeings on cellulosic material which comprises treating the good to be dyed with the solution of a diazo compound having at least one aza nitrogen and at least three rings, and subsequently with a coupling component.

2,192,128
DUMPING MECHANISM FOR TRUCK BODIES

William F. Ehrick and Ralph A. Garverick, Marion, Ohio, assignors to The Marion Metal Products Company, Marion, Ohio, a corporation of Ohio

Application February 25, 1938, Serial No. 192,570
2 Claims. (Cl. 298—22)



1. The combination, with the chassis of a dumping vehicle, of a dumping body pivotally supported by said chassis, and mechanism also supported by the chassis for moving the said dumping body about its pivotal support, said mechanism including a cylinder pivotally supported by said chassis, a piston rod extending through the rear head of the said cylinder, L-shaped lifting arms comprising each a forwardly and upwardly extending rear branch and a downwardly and forwardly extending front branch, means pivotally supporting the rear ends of the said arms from the said chassis, the rear branches of the lifting arms being provided each with a longitudinal bearing surface having an abutment at the lower end thereof, a cross head carried by the piston rod and having end portions thereof engaging said surfaces, a pair of lifting links pivotally connected at their lower ends to the front ends of the said lifting arms, respectively, and having their upper ends pivotally connected to the said body, and a stabilizing link pivotally connected to each outer end portion of the cross head, the lower ends of the stabilizing links being pivotally supported by the said chassis at the rear of the cylinder and at points below and in front of the means for pivotally supporting the lifting arms and cooperating with the ends of the cross head to constitute a positive stop to limit the dumping movement of the body.

2,192,129
UREA-FORMALDEHYDE TYPE RESINOUS PRODUCT

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

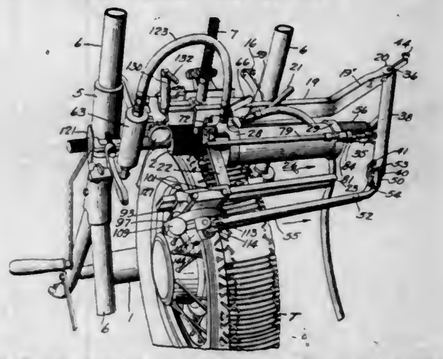
No Drawing. Application March 13, 1930, Serial No. 435,640
16 Claims. (Cl. 260—69)

1. The process of making a resinous product which comprises reacting urea and formaldehyde in a proportion greater than would be required to form monomethylol urea but less than would be required to form dimethylol urea, in an aqueous medium of pH within the zone of litmus neutrality, incorporating the reaction mixture with cellulose fibre and drying at a temperature below 100° C.; whereby the product is obtained in a form readily flowable under pressure at a temperature approximately 120–140° C. and hardening at such temperature to a substantially rigid resinous product.

2,192,130
AUTOMATIC SLOTTER FOR TIRES

William F. Errig, Philadelphia, and George M. Pfundt, Churchville, Pa., assignors to Peco Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application December 23, 1935, Serial No. 55,688
23 Claims. (Cl. 90—24)



4. In apparatus for treating a tire to increase the non-skid properties thereof, the combination of a track supported adjacent the tire, a carriage movably mounted on said track, a cutter, a holding head for the latter pivotally mounted on said carriage, means operatively coordinated with said head for determining the stroke and angularity of said cutter relative to the tire, power operated means adapted to swing said last-named means and effect a cutting stroke of said cutter, recoil means effecting the return stroke thereof, means for rotatably advancing the tire through a predetermined angle after each power stroke of the cutter, and means whereby said cutter head is resiliently constrained to follow the arcual surface of the tire.

2,192,131
BAG AND HANDLE

Albert B. Fishwick, Cincinnati, Ohio

Application May 5, 1938, Serial No. 206,215
1 Claim. (Cl. 229—54)

In combination, a bag formed of flexible material and having its upper open margin turned in to form a reentrant flange, substantially rigid handles for the bag having bent-up lower edges to tuck in under the said reentrant flange, means

for securing the handles through said flange and bent-up lower edges to the margin of the bag, said handles having elongated finger holes cut therein, the material cut away to form the finger holes left attached to the upper edge of the cut-away portions, and said material partly cut off from the lower edges of the thus depending at-



tached portions, said depending portions being therefore articulated at their upper edges to the finger holes and adapted to be bent inwardly upon being grasped in the hand, with the depending portions extending laterally and acting as an abutment to prevent the two handle portions from contacting each other.

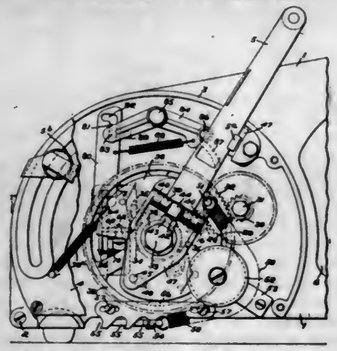
2,192,132

TAPE SERVING APPARATUS

Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

Application November 29, 1938, Serial No. 242,936

17 Claims. (Cl. 164—49)



17. In a tape dispensing machine, in combination, a frame, a support for a tape supply, tape feeding means including an operating handle having forward and return movements, a guillotine-like cutter blade having a normal position above the tape path and guided for rectilinear vertical movement downwardly across the tape path and return, a rock lever pivoted on the frame, an actuator positively connected to the cutter blade and having a vertically elongated slot formation movably receiving a forward portion of said rock lever, spring means normally urging the cutter blade and actuator upward, cam means moving with the operating handle and operatively engageable with a rear portion of the rock lever, the tape feeding means also including connections affording an initial non-feeding forward movement of the operating handle during which there occurs a preparatory vertical movement of the rock lever relative to the cam means and to the slotted actuator, said cam means and said rear portion of the rock lever being shaped and positioned for operative interengagement in the course of the handle return movement thereby substantially instantaneously to throw down said forward portion of the rock lever and the cutter blade actuator engaged thereby and then quickly to free the latter and the cutter blade for restoration by the spring means to normal elevated position.

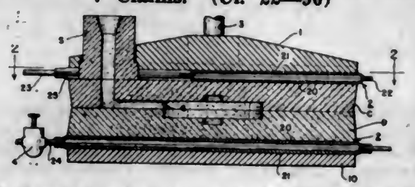
2,192,133

CASTING PRESS

Henry F. Hagemeyer, Chicago, Ill.

Application August 10, 1938, Serial No. 224,005

7 Claims. (Cl. 22—90)



5. Apparatus for clamping complementary mold members against each other for the pouring operation, which apparatus comprises a hollow member, and means acting through said hollow member for forcing the mold members against each other to have the parting surfaces thereof held firmly in contact with each other around the mold cavity, said hollow member yielding unequally as necessary in different parts thereof to compensate for faults in the mold members.

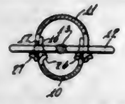
2,192,134

HAIR CURLER AND METHOD OF ASSEMBLY

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application July 15, 1939, Serial No. 284,616

12 Claims. (Cl. 132—41)



1. A hair curler comprising a form of substantially circular cross-section around which the hair may be wound, an opening extending transversely through the form adjacent one end, passages leading to said opening from the exterior of the form, a closed wire loop clamping member fulcrumed in the opening and adapted to be swung into position over the opposite end and around the form to embrace the hair wound thereon, said form having integral portions that close the passages leading into the opening to prevent removal of the clamping member.

2,192,135

INSULATED HATCH COVER FOR SHIPS

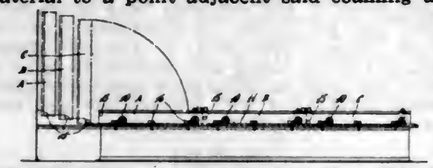
Charles William King, London, England, assignor to MacGregor & King Limited, London, England, a British company

Application April 23, 1937, Serial No. 138,514

In Great Britain June 24, 1936

6 Claims. (Cl. 114—201)

1. A hatch construction for ships or the like comprising a plurality of steel hatch cover sections cooperating to form a steel hatch cover, a coaming cooperating therewith, a lining of heat insulation secured to each of said hatch cover sections, a lining of heat insulating material attached to said coaming, a metallic sheathing covering the heat insulating material on said coaming and extending above the coaming insulating material to a point adjacent said coaming and



terminating short thereof whereby the coaming and sheathing are insulated from each other, means for producing a gas-tight joint between said coaming and an adjacent hatch cover section when same are in cooperating position, and means for producing a gas-tight joint between said hatch cover sections.

2,192,136

DENATURANT

Hamline M. Kvalnes, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 18, 1937, Serial No. 143,295

2 Claims. (Cl. 202—77)

1. Denatured ethyl alcohol consisting of ethyl alcohol and from 0.1% to 10% by volume of a mixture consisting of branched chain ketones and branched chain saturated and unsaturated hydrocarbons boiling in the range of about 40 to 200° C., obtainable by catalytic dehydrogenation and dehydration of branched chain primary and secondary aliphatic alcohols containing more than 4 carbon atoms.

2,192,137

DENATURED MATERIALS

Hamline M. Kvalnes, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 9, 1937, Serial No. 173,704

6 Claims. (Cl. 202—77)

1. A denatured alcohol containing denaturing quantities of an unsaturated tertiary alcohol containing only carbon, hydrogen, and oxygen, and boiling in the range of from 100 to 200° C.
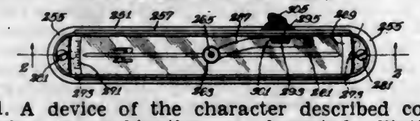
2,192,138

ENCLOSED MECHANISM

Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware

Original application January 31, 1938, Serial No. 187,997. Divided and this application October 18, 1939, Serial No. 299,930

3 Claims. (Cl. 33—222)



1. A device of the character described comprising, in combination, an elongated, elliptical base, an upstanding flange surrounding the base and formed integrally therewith, a plurality of scale blocks associated with the opposite ends of the base and arranged to conform to the shape of the surrounding flange, fasteners for securing the scale blocks to the base, a plurality of shoulders formed integrally upon the scale blocks, a transparent closure member resting upon said shoulders and shaped to conform to the inside contour of the surrounding flange, a rim arranged to cooperate with the upper edge of the surrounding flange in maintaining the closure member in assembled position, fasteners extending between the rim and the shoulders of the scale blocks for securing the rim in position, and an indicator element mounted upon said base beneath said transparent closure member.

2,192,139

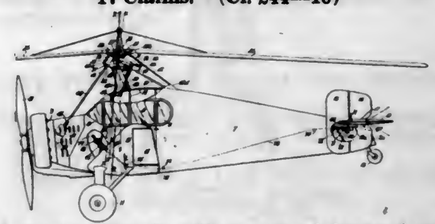
ROTARY-WINGED AIRCRAFT AND THE OPERATION THEREOF

Agnew E. Larsen, Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

Application September 13, 1934, Serial No. 743,877

Renewed July 18, 1939

17 Claims. (Cl. 244—18)



1. In an aircraft with means of forward propulsion and a body having means for receiving disposable loads over an area offset longitudinally from the normal location of the center of gravity of the craft whereby the actual center of gravity travels through a certain fore and aft range according to the loading conditions, control surfacing for the craft comprising a surface movable over a predetermined range at each side of mid-position for controlling the craft in the pitching plane, a rotary wing system capable of autorotational actuation by the relative air-flow in flight and having pivotally-mounted wings whereby the thrust line of the system moves forwardly with increase in flight speed, the wing mounting means including a rotor head or axis member and means to support the same above the body of the craft, fixed wing surfaces extending laterally of the craft in position to produce during forward flight operation a useful lift passing rearwardly of the normal range of movement of the center of gravity of the craft, the said mounting means locating the rotary wing system with its axis line normally extending approximately upright with respect to the longitudinal axis of the craft and in a position so related to the rearmost limit of the normal range of movement of the center of gravity of the craft that in forward flight, even when the rotor thrust moves forward of the craft's center of gravity, the resultant of the rotor thrust and the fixed wing lift lies slightly behind said limit, and means for adjustably shifting the axis of said system in a direction fore and aft of the craft through a range extending forwardly from the said normal location to a location where the axis line lies close to the forward limit of the normal range of travel of the center of gravity of the craft, including mechanism for substantially fixing said axis in various positions of adjustment whereby to balance the craft for vertical descent on a substantially even keel and whereby in conjunction with the lift of the fixed wings to stabilize the craft in forward flight, so that under all normal flight and loading conditions the normal range of movement of said control surface is available for control purposes.

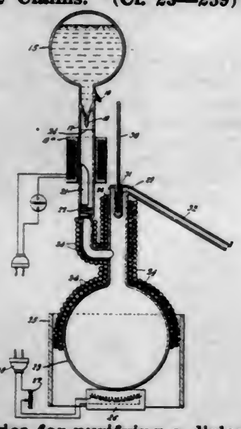
2,192,140

DEVICE FOR TRANSFERRING LIQUIDS IN VACUUM

Harold J. McCreary, Genoa, Ill., assignor to Chicago Television & Research Laboratories, Inc., a corporation of Illinois

Original application September 20, 1935, Serial No. 41,366. Divided and this application July 31, 1937, Serial No. 156,656

2 Claims. (Cl. 23—259)



1. In a device for purifying a dielectric, a vessel containing a dielectric under vacuum, said vessel having a projecting neck with a frangible seal thereacross spaced inwardly of the outer end of the neck, a vacuum system having a tube sealed with the end of the neck of the vessel around the seal and longitudinally aligned with said neck, means mounted in said tube for movement longitudinally thereof into breaking engagement with the seal, and means externally of the tube for actuating said breaking means.

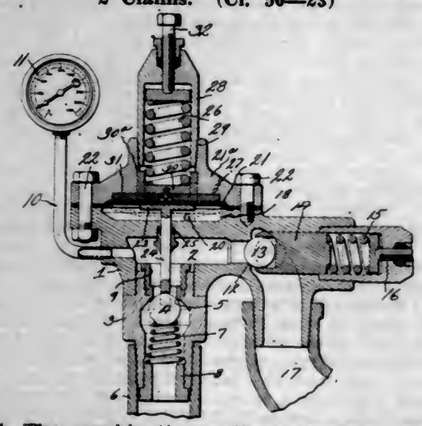
2,192,141

PRESSURE REGULATING VALVE

Clayton B. McElwaine, Tulsa, Okla., assignor of fifty-one per cent to Henry N. Greis, Tulsa, Okla.

Application June 17, 1937, Serial No. 148,805

2 Claims. (Cl. 50—23)



1. The combination with a regulator valve comprising a casing having a chamber therein in which a predetermined pressure is maintained, an intake valve controlling the flow of fluid to the chamber on the high pressure side, diaphragm control means cooperating with said valve and controlled from the low pressure side of the valve for building up pressure in the chamber, a discharge port carried by the casing and leading to the chamber, of a check valve cooperating with the discharge port and forming means whereby the amount of pressure maintained in said chamber may be varied a valve seat carried by the discharge port, said check valve comprising a plunger slidably mounted in the casing and cooperating with the valve seat and an adjustable expansion spring means cooperating with the plunger and forcing the same towards the valve seat.

2,192,142

PROCESS FOR PREPARING α-SUBSTITUTED ACRYLIC ACIDS

Erich F. Meitzner, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application June 3, 1938, Serial No. 211,602

5 Claims. (Cl. 260—526)

1. The process of producing α-alkacrylic acids, which comprises oxidizing an unsaturated ketone of the general formula

$$CH_2{=}C(R){-}CO{-}CH_3$$

in which R is a member of the group consisting of alkyl, aryl and aralkyl radicals with an aqueous alkaline solution of a metal hypochlorite containing from about 12 to about 20% of available chlorine and initially less than about 3% of free alkali.

2,192,143

FLUORINATION PROCESS

Thomas Midgley, Jr., Worthington, and Albert L. Henne, Columbus, Ohio, assignors, by mesne assignments, to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 7, 1938, Serial No. 206,530

9 Claims. (Cl. 260—653)

1. The process of preparing carbon compounds containing fluorine which comprises reacting mercuric fluoride with a compound containing an acyclic carbon atom having attached thereto a halogen atom other than fluorine to substitute fluorine for other halogen therein.

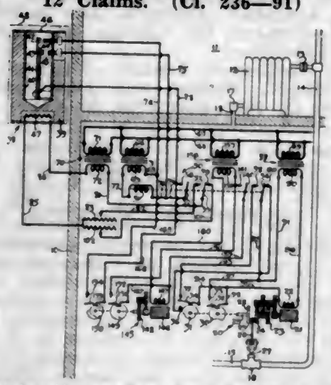
2,192,144

TEMPERATURE CONTROL SYSTEM

Wayland R. Miller, Nashotah, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 15, 1936, Serial No. 105,839

12 Claims. (Cl. 236—91)



1. In a heating system for a building, the combination of heating means for the building, a controller of substantial mass located outside of the building and subject to the same atmospheric conditions as the building, said controller including thermostatic means responsive to the temperature thereof and heating means, means controlled by the thermostatic means for turning on and turning off the building heating means, means controlled by the thermostatic means for controlling the controller heating means to supply one amount of heat to the controller during the on period and to supply another amount of heat to the controller during the off period.

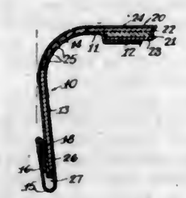
2,192,145

TABLE TOP

Earl A. Munger, Muncie, Ind., assignor to Durham Manufacturing Company, Muncie, Ind., a corporation of Indiana

Application October 1, 1937, Serial No. 166,762

3 Claims. (Cl. 311—106)



3. The combination with a table cover having a plurality of perimetrally arranged flaps flexibly associated with said cover, of means for holding said cover under resilient tension, comprising a metallic frame formed with a plurality of integral depending aprons, said aprons being resiliently flexed outwardly from their positions of equilibrium and means securing said flaps respectively to said aprons adjacent the free edges of said aprons to hold said flaps and said cover under spring tension.

2,192,146

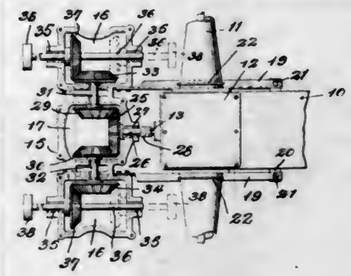
POWER TAKE-OFF DRIVE

Bert Nightenhelser, Westfield, and Julius Ballard, Noblesville, Ind.

Application November 29, 1938, Serial No. 242,994

2 Claims. (Cl. 74—11)

1. A power take-off for tractors and the like comprising a housing having means for attachment to a tractor, said housing having a pair of partitions defining a medial and end gear compartments, a shaft journalled in the medial compartment and projecting therefrom for connection with a power take-off of a tractor, a bevel gear on the shaft within the compartment, a shaft journalled in each partition defining the medial compartment and extended from the medial compartment to the next adjacent end compartment, a bevel gear on each end of said shafts, one of the gears of each shaft being in mesh with the first named bevel gear, each of said end compartments having bearings lying in a plane parallel to the power take-off shaft of a tractor, a countershaft journalled in respective pairs of bearings, a bevel gear fixed to each of said last named shafts in mesh with each respective gear in the end compartments, a cover for said compartments divided transversely of its length whereby one or both portions of the cover may be removed for reversing the position of the countershafts to effect meshing engagement of its associated bevel gear with one side or the other of the other bevel gear in respective end



compartments, and power take-off means on the countershafts.

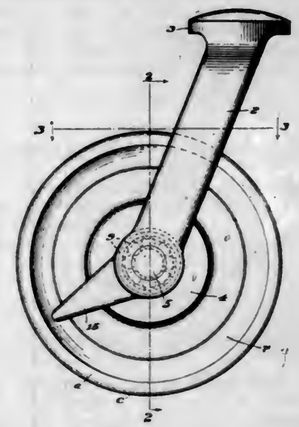
2,192,147

TAPE TENSIONING PULLEY FOR SPINNING FRAMES

Gerry Bradley Nutting, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application May 2, 1938, Serial No. 205,422

3 Claims. (Cl. 74—240)



1. A tape tensioning pulley structure for spinning frames and the like, comprising a supporting arm, an arbor supported at one end by said arm, a drum mounted on said arbor for rotation, a collar secured on said arbor at the end thereof opposite said arm, and members at opposite sides of said drum rigid with said arm and said collar, respectively, for catching the tape if it runs off said drum, each of said members having its free end located on the same side of the drum as the collar and arm with which it is rigid.

2,192,148

DIRECTION INDICATOR

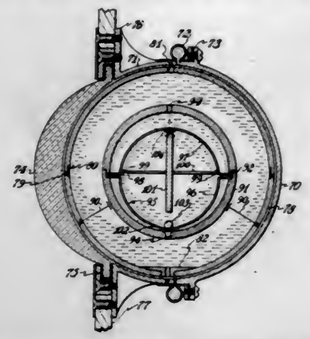
Carl L. Otto, Jr., West Hempstead, N. Y.

Application November 6, 1935, Serial No. 48,481

13 Claims. (Cl. 33—222)

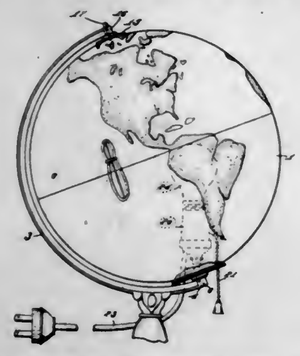
1. An instrument comprising a plurality of at least three concentric hollow spheres at least two thereof each hydrostatically suspended one with-

in the next outer sphere, and fluids filling the several inter-sphere spaces each having a specific



gravity equivalent to the aggregate mass-volume ratio of the within spheres and fluids.

2,192,149
MOUNTING FOR ILLUMINATED GLOBES
Edward A. Peterson, Indianapolis, Ind., assignor to The Geo. F. Cram Company, Indianapolis, Ind., a corporation of Illinois
Application June 24, 1937, Serial No. 150,053
5 Claims. (Cl. 240—2)



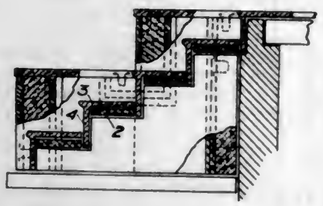
1. In a terrestrial globe mounting, the combination with a base and a meridian ring supported thereby, of a globe support rigidly carried by said base comprising a supporting member and a bearing member extending upwardly from said supporting member, a second support for the globe diametrically opposite said first support and releasable to free the globe therefrom, said bearing and supports having a common axis, a hollow globe rotatably carried by said supports having its rotatable axis common to the axes of said supports and base having an opening for receiving said bearing member and tiltable on said first-mentioned support sufficiently to clear the same of said meridian ring to permit removal from said support, means for supporting a lamp above said first mentioned support in a position to be projected through said opening into said globe and on an axis extending at less than a right angle to the globe support axis and inclined in the direction the globe is tiltable to permit said globe to be tilted on its base and removed therefrom, the height of said bearing member being such as to permit the tilting of the globe on the supporting member to clear the globe of the meridian ring.

2,192,150
SOLE PLATE
Howard M. Pierce and John H. Hermson, Brooklyn, N. Y., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application August 25, 1938, Serial No. 226,614
11 Claims. (Cl. 36—2.5)



1. In combination with a shoe, a sole; a cleat; means on said sole for securing the cleat thereto; and cooperating means on said sole and said securing means for concurrently moving and guiding the latter into a predetermined position, and for positively preventing said securing means from turning relative to said sole when in said predetermined position.

2,192,151
PORTABLE SECTIONAL STAIRWAY
Robert E. Reynolds, New Orleans, La., assignor of one-third to William A. Lurie, and one-third to Charles B. Anderson, both of New Orleans, La.
Application October 12, 1938, Serial No. 234,610
5 Claims. (Cl. 72—96)



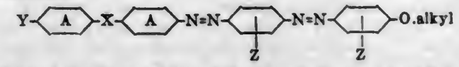
1. A stair comprising stringers having horizontal tread supporting surfaces with vertical surfaces joining the said horizontal surfaces, supporting slabs of a diameter less than the said horizontal surfaces mounted on the horizontal surfaces and combination tread and riser elements adjustably mounted on the said supporting slabs whereby to permit adjustments in the effective height of riser element and the effective width in tread elements of the stair.

2,192,152
LICANIC ACID RESIN AND PROCESS OF MAKING
Alfred E. Rheineck and Benjamin Rabin, Louisville, Ky., assignors to Devoe & Raynolds Co., Inc., a corporation of New York
No Drawing. Application December 30, 1938, Serial No. 248,514
8 Claims. (Cl. 260—407)

1. A resinous body consisting essentially of the product resulting from decomposing licanic acid by heating said acid to between about 200° C. and 300° C. until the evolution of water substantially ceases and the acid is decomposed into a resin.

2,192,153
AZO DYESTUFFS
Hans Roos, Leverkusen-I. G.-Werk, Rhine, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application September 1, 1938, Serial No. 227,969. In Germany September 8, 1937
4 Claims. (Cl. 260—159)

1. As new products azo dyestuffs of the general formula:

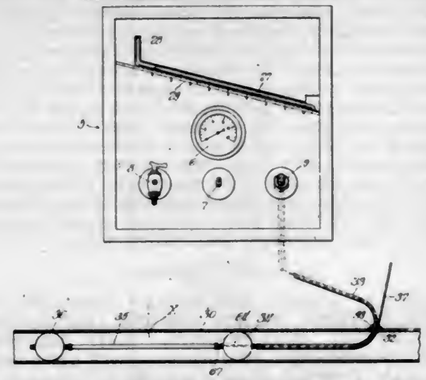


wherein X stands for one of the group consisting of the diphenyl linkage (—) and the —CH=CH— bridge, Y stands for one of the group consisting of hydrogen, alkyl, halogen, the sulfonic acid group, the nitro group, the acyl-amino group, the azo-pyrazolone group and the amino group capable of being diazotized and of coupling, Z stands for one of the group consisting of hydrogen and methyl and at least one of the nuclei designated A contains a sulfonic acid group.

2,192,154
METHOD OF EXTRACTING COPPER FROM ALKALINE SOLUTIONS
Max Otto Schuermann and Franz Gerstner, Dormagen, Germany, assignors to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 23, 1938, Serial No. 247,410. In Germany December 24, 1937
9 Claims. (Cl. 75—108)

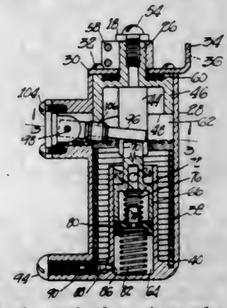
1. In a process for extracting copper from alkaline solutions of low concentration, the steps which comprise adding an iron salt to the solutions, drawing off the copper containing iron slime deposit, adding said slime once more to said solutions and repeating said steps until said iron slime contains a substantial amount of copper.

2,192,155
METHOD OF AND MEANS FOR LOCATING LEAKS IN A GAS MAIN OR THE LIKE
Elmer F. Schuldt, Chicago, Ill.
Application April 2, 1937, Serial No. 134,563
26 Claims. (Cl. 137—77)



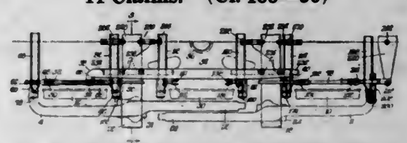
1. The method of locating a leak in a gas distribution main having gas continuously flowing therethrough, which comprises establishing, from a point externally of said main, a static pressure condition within successive overlapping sections of said main, and indicating at said external point any variations in the static pressure caused by leakage from within the particular section at which said condition has been established.

2,192,156
DOOR CLOSER AND CHECK
William L. Sheppard, Detroit, Mich., assignor, by direct and mesne assignments, to Herbert Morley, Grosse Pointe, Mich., and Theodore R. Bush, Royal Oak, Mich., jointly
Application June 18, 1938, Serial No. 214,515
7 Claims. (Cl. 16—53)



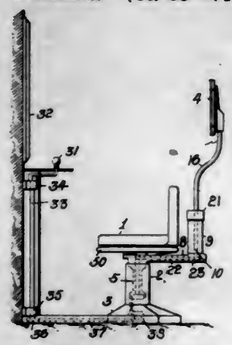
1. In a device of the class described, a rotatable member, a spring operable for turning said member in one direction, and means including a dashpot for checking movement of said member in one direction during only a portion of the permissible movement thereof.

2,192,157
BRAKE ARRANGEMENT FOR SIX-WHEEL TRUCKS
Edward J. Simanek, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 2, 1938, Serial No. 238,355
11 Claims. (Cl. 188—56)



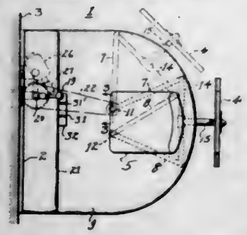
1. In a railway car, a frame including side members, transverse load carrying members supported thereon, and a span bolster seated at spaced points on said load carrying members intermediate adjacent wheels, end and intermediate wheel and axle assemblies, pairs of spaced brackets on said bolster between adjacent wheels, the brackets of each pair being positioned on opposite sides of the adjacent load carrying member, other brackets on said load carrying members along the longitudinal center line of said truck, and brake rigging associated with said wheels including brake beams carrying brake heads and brake shoes at opposite sides of each assembly, brake hangers supporting said beams outwardly of the wheels from said side frames, other brake hangers supporting adjacent beams from said brackets intermediate the wheels, and balancing means for said rigging connected to said brackets along the longitudinal center line of said truck, said truck and brake rigging being so constructed and arranged as to afford maximum lateral clearance between said rigging and said side frames intermediate the ends of said side frames.

2,192,158
POSE REFLECTING SYSTEM
Luther G. Simjian, New Haven, Conn., assignor to The Reflectone Corporation, Stamford, Conn., a corporation of Connecticut
Application October 14, 1936, Serial No. 105,451
4 Claims. (Cl. 88—74)



3. In a pose-reflecting device, the combination with an observing-mirror; of a pose-casting mirror; two support-members concentrically-arranged intermediate said mirrors, one being a fixed vertical member, and the other being a mirror-swinging member rotatable relatively thereto about a vertical axis; a radial-member carried by and rotatable with said mirror-swinging member; a vertically-extending mirror-shifting member rotatably carried at the free end of said radial-member and having said pose-casting mirror secured thereto; turning-means connected to and operable to turn said mirror-swinging member to cause said pose-casting mirror to swing about an axis intermediate the said mirrors and about a radius substantially less than the distance therebetween; and automatically-operable shifting-means connected to said fixed support-member and to said mirror-shifting member and responsive to turning movements of the mirror-swinging means to rotate said mirror-shifting member and cause said pose-casting mirror to shift about the vertical axis of the last-named member simultaneous with swinging movement thereof.

2,192,159
POSE REFLECTING SYSTEM
Luther G. Simjian, New Haven, Conn., assignor to The Reflectone Corporation, Stamford, Conn., a corporation of Connecticut
Application October 31, 1936, Serial No. 108,502
3 Claims. (Cl. 88—74)



1. A pose-reflecting apparatus, including in combination: a seat; a cabinet adjacent the said seat; a first mirror extending above the said cabinet; a manually operable control-member; means for supporting the said control-member in position for manipulation by a poser seated upon the said seat; a movable second mirror movable around the opposite side of the said seat from the said first mirror and from the said cabinet in position to reflect various views of a poser to such poser in conjunction with the said first mirror; mirror-carrying means for carrying the said second mirror around the opposite side of the said seat from the said first mirror and from the said cabinet; connecting-means interconnecting the said manually operable control-member to the said second mirror for effecting the described movement thereof; tie-means interconnecting the said cabinet, the said seat, the said manually operable control-member and the said connecting-means into a unitary structure; the said connecting-means extending between the said manually operable control-member and the said second mirror and being constructed and arranged so that as the said second mirror is moved in either direction from its intermediate position by the said manually operable mirror-shifting means, the leading edge of the said second mirror will automatically move further away from the said cabinet, first mirror and the center of the said seat than the trailing edge thereof.

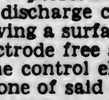
2,192,160
FASTENER
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application June 11, 1937, Serial No. 147,746, now Patent No. 2,141,700, dated December 27, 1938. Divided and this application August 25, 1938, Serial No. 226,804
7 Claims. (Cl. 24—73)



1. As an article of manufacture, a fastening device for connecting a pair of panels or the like in superposed relation, said fastening device comprising a section of sheet metal having a bend providing a pair of spaced, relatively yieldable leg members of unequal length extending in the same general direction, one of said leg members having a free end portion defining a pair of spaced shoulders extending generally outwardly thereof, the other leg member having a bent portion providing an attaching means including an attaching element extending in a generally opposite direction to the shoulders on said leg member having a free end portion, said attaching element being adapted to be attached to one of said panels in a manner whereby said shoulders on the leg member having a free end portion extend into the path of a flange edge on the other panel, one of said shoulders being adapted for substantial snap fastening engagement with said flange edge and the other being adapted to seat against the surface adjacent said flange edge.

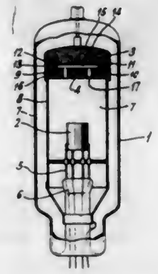
2,192,161
CONNECTING MEANS TO BE USED FOR TUFTING MATTRESSES AND SIMILAR OPERATIONS
Annette Fridolph, New York, N. Y., assignor to A. B. A. Specialties Company, Inc., New York, N. Y., a corporation of New York
Application October 23, 1936, Serial No. 107,122
11 Claims. (Cl. 5—356)

1. A completely preformed tufting assembly for tufting mattresses, upholstery and the like, which comprises an elongated tufting element or body with a substantial stiff tufting head permanently secured on each end thereof.



9. The combination with a mattress or similar article of upholstering, of tufting assemblies therethrough, each of a preformed unitary character including an elongated flexible tufting element of a definite preformed length, having substantially stiff tufting heads permanently in connection therewith at its opposite ends.

2,192,162
GAS DISCHARGE TUBE
Heinrich Kniepkamp, Berlin-Pankow, Germany, assignor to Siemens and Halske Aktiengesellschaft, Siemensstadt-Berlin, Germany, a corporation of Germany
Application December 18, 1937, Serial No. 180,475
In Germany December 29, 1936
5 Claims. (Cl. 250—27.5)



1. An electron discharge device having an envelope containing a gaseous atmosphere, a cathode within said envelope for emitting electrons and an anode electrode for receiving said electrons, a tubular control electrode completely enclosing said cathode for segregating said cathode and anode and having a perforated surface through which an electron discharge can take place, said anode electrode having a surface presented across an intervening electrode free space to the perforated surface of the control electrode for receiving the discharge, one of said surfaces being provided with a continuous groove and the other of said surfaces with a continuous projection fitted within said groove but out of contact with the walls of said groove to provide a tortuous gap surrounding the discharge path between said surfaces of the anode and control electrode.

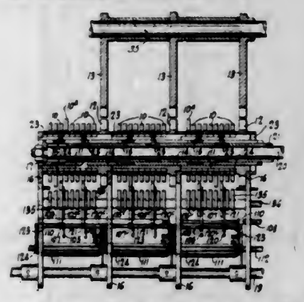
2,192,163
SIGN
Alan Metreger, Chicago, Ill., assignor to Safety Signs, Inc., Chicago, Ill., a corporation of Illinois
Application February 25, 1939, Serial No. 258,495
2 Claims. (Cl. 40—135)

1. A reflecting sign comprising a supporting back, a metal foil sheet adhesively secured to said back, metal foil insignia adhesively secured to said sheet, a transparent membrane covering the insignia and adhesively secured to said metal foil sheet, a transparent cover for said membrane and foil, and means sealing the transparent cover



and the back to form a closed envelope for said foil.

2,192,164
MULTIPLE TOTALIZER SELECTING MEANS
Hubert Neureiter, Essen, and Albert Klaar, Bielefeld, Germany, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 29, 1937, Serial No. 156,324
In Germany July 21, 1932
14 Claims. (Cl. 235—6)



1. In a machine of the class described, the combination of a plurality of accumulators arranged adjacent one another on a common shaft; and a plurality of shiftable selecting members associated with each denominational order; and a separate means to shift each selecting member relatively to said accumulators to select one or more of said accumulators to receive entries during an operation of the machine.

2,192,165
ELECTRICAL CONNECTOR
Albert E. Caldwell, Lockport, Ill., assignor of one-half to George D. Ladd, Lockport, Ill.
Application August 31, 1936, Serial No. 98,661
2 Claims. (Cl. 173—322)



1. In a strain relief for use in conjunction with conductor cords and the like, a pair of cooperat-

ing, washer-shaped members having generally U-shaped cutout portions for gripping the cord with which the strain relief is used, said members being disposed in overlying opposed relation when in the gripping position, being so formed that they may be applied laterally to said cord, and having generally oppositely arranged peripheral slots formed in the edges thereof which align in a direction axially of said members when said members are in gripping position upon said cord, and a spring member carried by one of said members and having portions adapted to extend through said aligned slots and resiliently retained therein when said members are in gripping position upon said cord for locking said members in that position.

DESIGNS

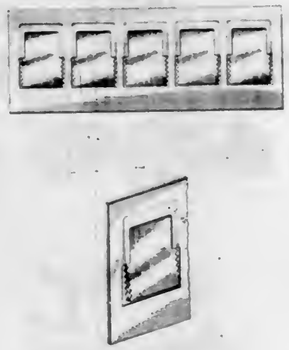
FEBRUARY 27, 1940

119,151
DESIGN FOR A COMBINED DISPLAY AND DISPENSING CABINET, FOR FROZEN FOOD OR THE LIKE
William McKinley Baird, Chicago, Ill.
Application December 22, 1939, Serial No. 89,086
Term of patent 14 years



The ornamental design for a combined display and dispensing cabinet, for frozen food or the like, substantially as shown.

119,152
DESIGN FOR A SAMPLE FABRIC DISPLAY CARD
Sydney E. Bender, Brooklyn, N. Y.
Application December 9, 1939, Serial No. 88,781
Term of patent 3½ years



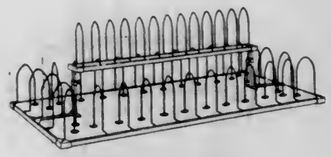
The ornamental design for a sample fabric display card, as shown.

119,153
DESIGN FOR A TROUSER CLIP
David Harold Bowder, Attleboro, Mass., assignor to Swank Products, Inc., a corporation of Delaware
Application January 3, 1940, Serial No. 89,274
Term of patent 14 years



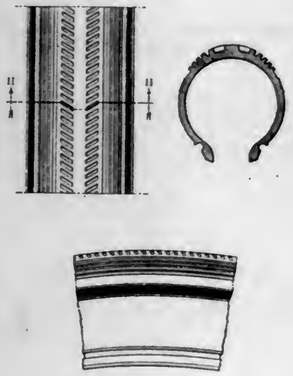
The ornamental design for a trouser clip, substantially as shown.

119,154
DESIGN FOR A DISPLAY RACK FOR PIECE GOODS BOLTS
Simon P. Brown, New York, N. Y.
Application November 10, 1939, Serial No. 88,194
Term of patent 14 years



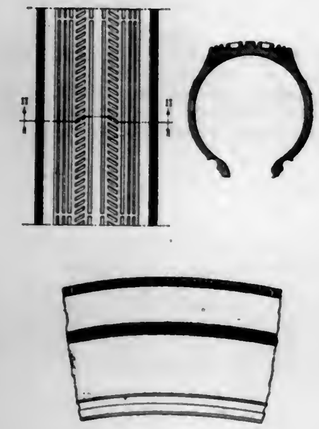
The ornamental design for a display rack for piece goods bolts, substantially as shown.

119,155
DESIGN FOR A PNEUMATIC TIRE
John E. Cady, Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 14, 1939, Serial No. 88,886
Term of patent 14 years



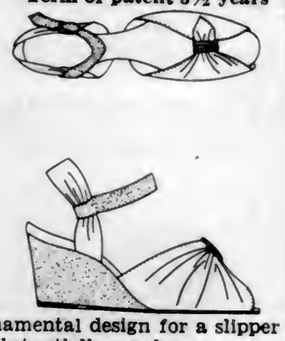
The ornamental design for a pneumatic tire, as shown.

119,156
DESIGN FOR A PNEUMATIC TIRE
John E. Cady, Donald A. Macdonald, and Ralph G. Null, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 14, 1939, Serial No. 88,887
Term of patent 14 years



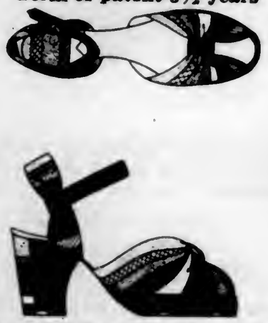
The ornamental design for a pneumatic tire, as shown.

119,157
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 15, 1940, Serial No. 89,486
Term of patent 3½ years



The ornamental design for a slipper or similar article, substantially as shown.

119,158
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 15, 1940, Serial No. 89,487
Term of patent 3½ years



The ornamental design for a slipper or similar article, substantially as shown.

119,159
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 15, 1940, Serial No. 89,488
Term of patent 3½ years



The ornamental design for a slipper or similar article, substantially as shown.

119,160
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 15, 1940, Serial No. 89,489
Term of patent 3½ years



The ornamental design for a slipper or similar article, substantially as shown.

119,161
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 18, 1940, Serial No. 89,542
Term of patent 3½ years



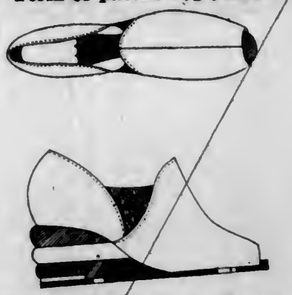
The ornamental design for a slipper or similar article, substantially as shown.

119,162
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 18, 1940, Serial No. 89,543
Term of patent 3½ years



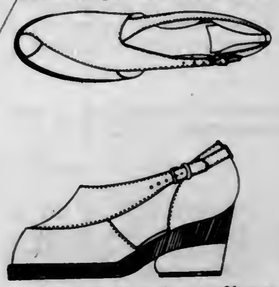
The ornamental design for a slipper or similar article, substantially as shown.

119,163
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 18, 1940, Serial No. 89,544
Term of patent 3½ years



The ornamental design for a slipper or similar article, substantially as shown.

119,164
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Dominick J. Calderazzo, New York, N. Y.
Application January 18, 1940, Serial No. 89,545
Term of patent 3½ years



The ornamental design for a slipper or similar article, substantially as shown.

119,165
DESIGN FOR A NOTE PAD HOLDER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,007
Term of patent 3½ years



The ornamental design for a note pad holder or similar article, substantially as shown.

119,166
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 2, 1939, Serial No. 88,008
Term of patent 3½ years



The ornamental design for a bowl or similar article, substantially as shown.

119,167
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 21, 1939, Serial No. 89,085
Term of patent 14 years



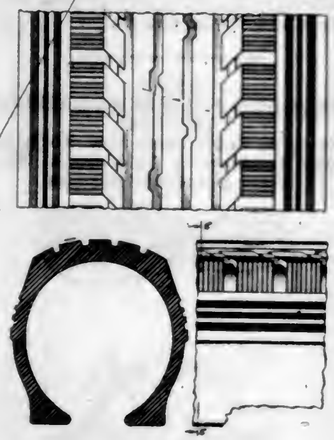
The ornamental design for a doll, as shown.

119,168
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Frederick W. Koonz, Bernardston, Mass., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts
Application January 6, 1940, Serial No. 89,335
Term of patent 14 years



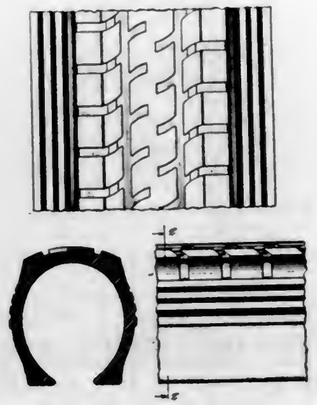
The ornamental design for a spoon or similar article, substantially as shown.

119,169
DESIGN FOR A TIRE
Robert S. Lee, Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill., a corporation of Indiana
Application December 13, 1939, Serial No. 88,864
Term of patent 3½ years



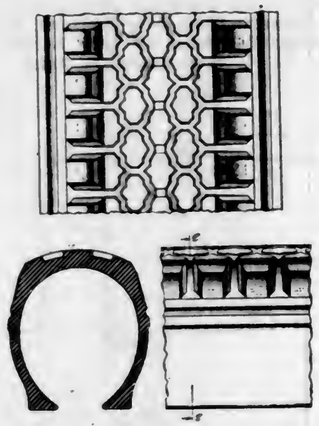
The ornamental design for a tire, as shown.

119,170
DESIGN FOR A TIRE
Robert S. Lee, Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill., a corporation of Indiana
Application December 13, 1939, Serial No. 88,865
Term of patent 3½ years



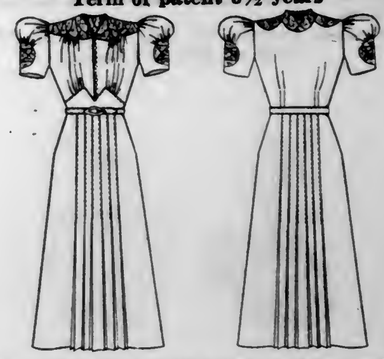
The ornamental design for a tire, as shown.

119,171
DESIGN FOR A TIRE
Robert S. Lee, Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill., a corporation of Indiana
Application December 13, 1939, Serial No. 88,866
Term of patent 3½ years



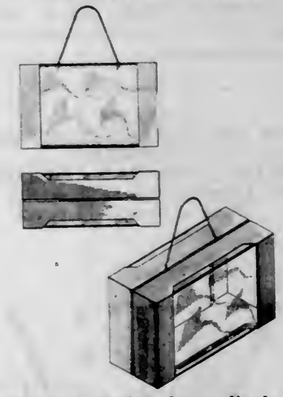
The ornamental design for a tire, as shown.

119,172
DESIGN FOR A DRESS
Morris Massow, New York, N. Y.
Application January 22, 1940, Serial No. 89,620
Term of patent 3½ years



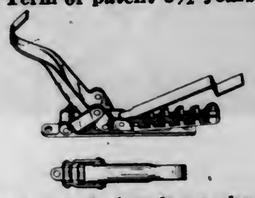
The ornamental design for a dress, substantially as shown.

119,173
DESIGN FOR A DISPLAY BOX
Reginald A. Nagle, Rochester, N. Y., assignor to Flower City Specialty Company, Rochester, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 88,684
Term of patent 14 years



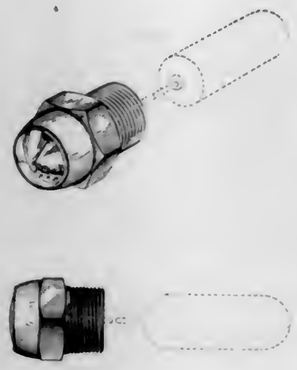
The ornamental design for a display box, substantially as shown.

119,174
DESIGN FOR A CLAMP FOR A SKI BINDING
Leif Nashe, Concord, and Odd Overgaard, West Concord, Mass.
Application November 22, 1938, Serial No. 81,282
Term of patent 3½ years



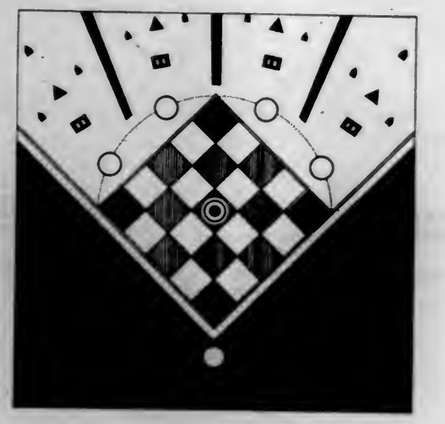
The ornamental design for a clamp for a ski binding, substantially as shown.

119,175
DESIGN FOR A COMBINED AIR VOLUME CONTROL AND PRESSURE GAUGE
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application October 23, 1939, Serial No. 87,830
Term of patent 7 years



The ornamental design for a combined air volume control and pressure gauge, substantially as shown and described.

119,176
DESIGN FOR A TARGET OR SIMILAR ARTICLE
Loudon Lee Campbell, Jr., Pittsburgh, Pa.
Application December 4, 1939, Serial No. 88,677
Term of patent 14 years



The ornamental design for a target or similar article, as shown and described.

119,177
DESIGN FOR A HIGH CHAIR
Clarence G. Carlson, Oakland, Calif.
Application November 20, 1939, Serial No. 88,371
Term of patent 14 years



The ornamental design for a high chair, as shown.

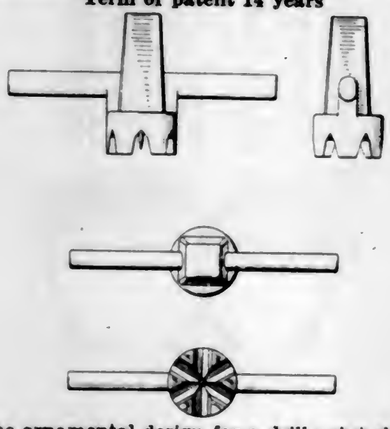
119,178
DESIGN FOR A RIPPING DEVICE
Blanche L. Chatfield, Washington, D. C.
Application November 28, 1939, Serial No. 88,534
Term of patent 14 years





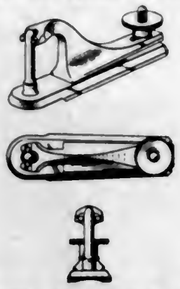
The ornamental design for a ripping device, substantially as shown.

119,179
DESIGN FOR A DRILL POINT SHARPENER
Edward Dion, New Bedford, Mass.
Application December 16, 1939, Serial No. 88,952
Term of patent 14 years



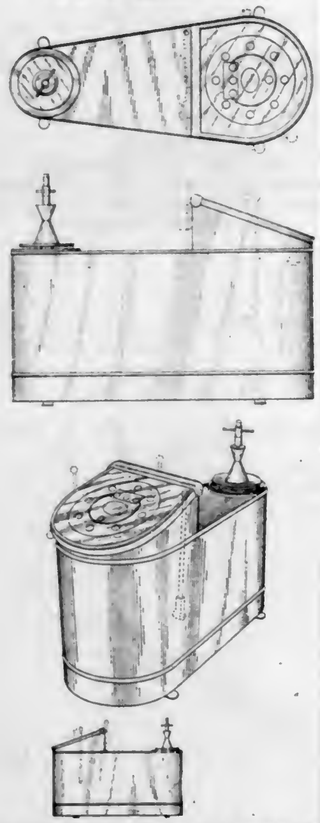
The ornamental design for a drill point sharpener, as shown.

119,180
DESIGN FOR A BLOODLESS CIRCUMCISION CLAMP
Aaron A. Goldstein, Buffalo, N. Y.
Application March 16, 1939, Serial No. 83,613
Term of patent 14 years



The ornamental design for a bloodless circumcision clamp, as shown and described.

119,181
DESIGN FOR A WHEEL BALANCING MACHINE
Frank L. Haasl and Charles F. Kiser, Chicago, Ill.
Application November 27, 1939, Serial No. 88,500
Term of patent 7 years



The ornamental design for a wheel balancing machine, as shown.

119,182
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 21, 1939, Serial No. 89,083
Term of patent 14 years



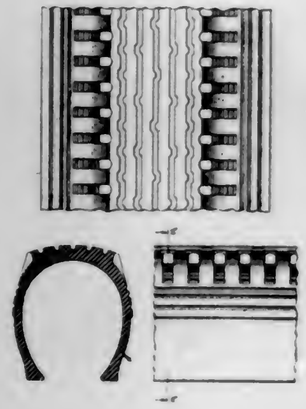
The ornamental design for a doll, as shown.

119,183
DESIGN FOR A DOLL
Ollie Mae Jay, San Antonio, Tex.
Application December 21, 1939, Serial No. 89,084
Term of patent 14 years



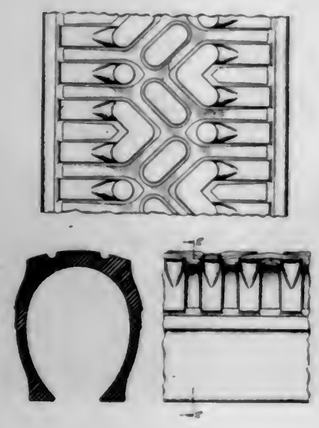
The ornamental design for a doll, as shown.

119,184
DESIGN FOR A TIRE
Robert S. Lee, Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill., a corporation of Indiana
Application December 13, 1939, Serial No. 88,862
Term of patent 3½ years



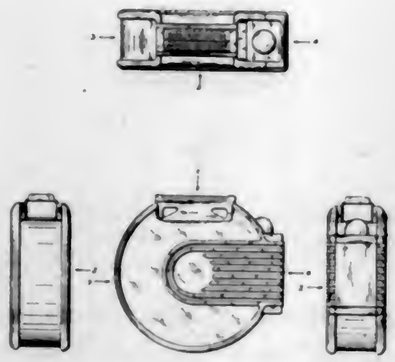
The ornamental design for a tire, as shown.

119,185
DESIGN FOR A TIRE
Robert S. Lee, Eau Claire, Wis., assignor to National Co-Operatives, Inc., Chicago, Ill., a corporation of Indiana
Application December 13, 1939, Serial No. 88,868
Term of patent 3½ years



The ornamental design for a tire, as shown.

119,186
DESIGN FOR AN ELECTRIC SHAVER
Wendell L. Martin, Shaker Heights, Ohio
Application November 14, 1939, Serial No. 88,279
Term of patent 7 years



The ornamental design for an electric shaver, as shown and described.

119,187
DESIGN FOR A BADGE
Francis X. Phelan, Medford, Mass.
Application February 27, 1939, Serial No. 83,238
Term of patent 14 years



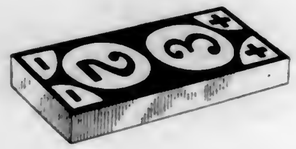
The ornamental design for a badge, as shown.

119,188
DESIGN FOR A BRACELET
Harry Reinstein, Bronx, N. Y.
Application October 12, 1939, Serial No. 87,633
Term of patent 3½ years



The ornamental design for a bracelet, substantially as shown.

119,189
DESIGN FOR A GAME PIECE OR THE LIKE
Bertram Rosser, Buffalo, N. Y.
Application August 4, 1939, Serial No. 86,469
Term of patent 14 years



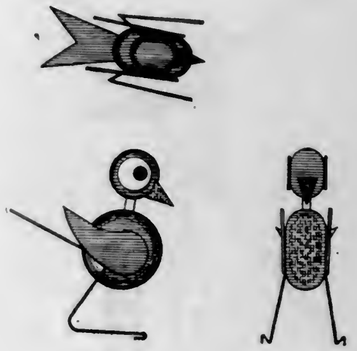
The ornamental design for a game piece or the like, as shown and described.

119,190
DESIGN FOR A YOKE FOR EARTH WORKING IMPLEMENTS
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation
Application December 1, 1939, Serial No. 88,599
Term of patent 14 years



The ornamental design for a yoke for earth working implements, as shown.

119,191
DESIGN FOR A FIGURE OF A BIRD
George W. Vipond, Grand Rapids, Minn.
Application July 26, 1939, Serial No. 86,258
Term of patent 3½ years



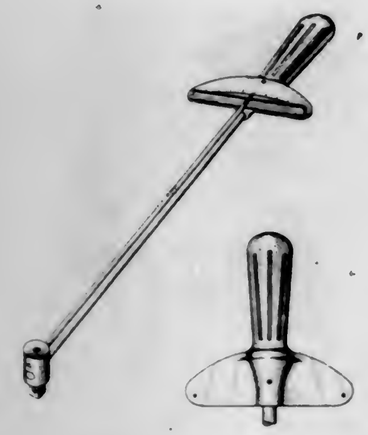
The ornamental design for a figure of a bird, as shown and described.

119,192
DESIGN FOR A COMBINED BRACELET AND WATCH
William M. Welling, New York, N. Y.
Application January 12, 1940, Serial No. 89,432
Term of patent 3½ years



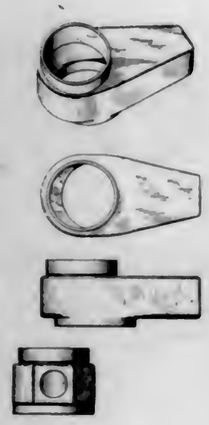
The ornamental design for a combined bracelet and watch, as shown.

119,193
DESIGN FOR A TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application July 1, 1939, Serial No. 85,798
Term of patent 7 years



The ornamental design for a torque measuring wrench, as shown and described.

119,194
DESIGN FOR A HEAD FOR INTERNAL COMBUSTION ENGINE BREATHER SYSTEM
Adolph C. Dressler, Miami, Okla., assignor to Dieselair Corporation, Miami, Okla., a corporation of Delaware
Application August 7, 1939, Serial No. 86,498
Term of patent 14 years



The ornamental design for a head for internal combustion engine breather system, as shown.

119,195
DESIGN FOR AN OVERSHOE
Lucille B. Fitzgerald, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 11, 1940, Serial No. 89,396
Term of patent 3½ years



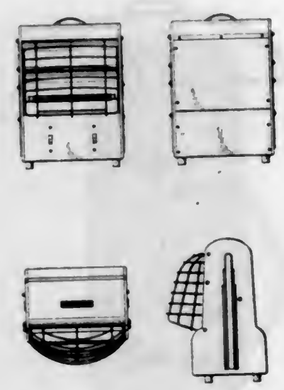
The ornamental design for an overshoe, as shown.

119,196
DESIGN FOR A PERFUME CONTAINING PENDANT OR THE LIKE
William C. Frommer, Yonkers, N. Y.
Application August 18, 1939, Serial No. 86,777
Term of patent 3½ years



The ornamental design for a perfume containing pendant or the like, as shown.

119,197
DESIGN FOR A PORTABLE ELECTRIC HEATER
Glenn E. MacFadden and Duane L. Ripley, Buffalo, N. Y.
Application December 9, 1939, Serial No. 88,782
Term of patent 3½ years



The ornamental design for a portable electric heater, substantially as shown.

119,198
DESIGN FOR A HANDBAG OR THE LIKE
Adolph Schenker, New York, N. Y.
Application January 27, 1940, Serial No. 89,785
Term of patent 3½ years



The ornamental design for a handbag or the like, as shown and described.

119,199
DESIGN FOR A LAPEL PIN
Brian Smith, Dallas, Tex.
Application May 29, 1939, Serial No. 85,250
Term of patent 3½ years



The ornamental design for a lapel pin, as shown.

119,200
DESIGN FOR A FIRE DETECTING DEVICE
Stephen T. Van Houten, Allendale, N. J.
Application January 9, 1940, Serial No. 89,375
Term of patent 14 years



The ornamental design for a fire detecting device, as shown.

119,201
DESIGN FOR AN ILLUMINATED TABLE VASE
Grant E. Bolton, Cleveland, Ohio
Application October 27, 1939, Serial No. 87,889
Term of patent 3½ years



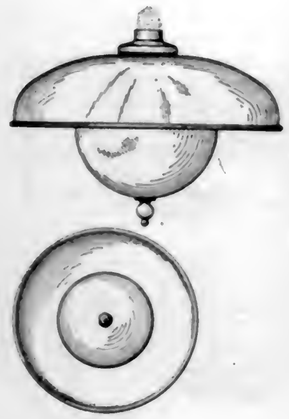
The ornamental design for an illuminated table vase, substantially as shown.

119,202
DESIGN FOR A WHISKY FLASK
Darrell E. Briner, Winchester, Ind., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application November 24, 1939, Serial No. 88,462
Term of patent 7 years



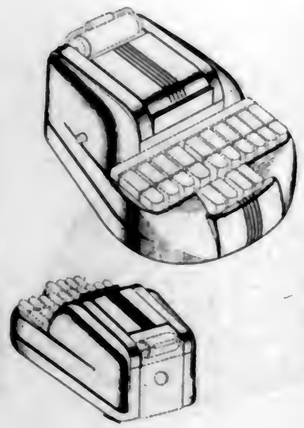
The ornamental design for a whisky flask, substantially as shown.

119,203
DESIGN FOR A LIGHT REFLECTING UNIT
Arthur W. Krueger, Chicago, Ill., assignor to Stephen Zidek, Riverside, Ill.
Application December 17, 1938, Serial No. 81,844
Term of patent 3½ years



The ornamental design for a light reflecting unit, substantially as shown and described.

119,204
DESIGN FOR A STENOTYPE MACHINE
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 24, 1939, Serial No. 87,832
Term of patent 14 years



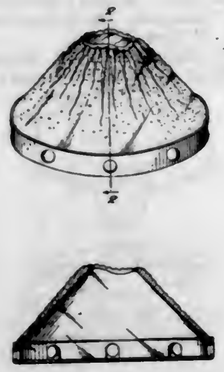
The ornamental design for a stenotype machine, as shown and described.

119,205
DESIGN FOR A CARTON FOR PLASTIC FOODS
Joseph W. Post, Riverside, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application July 12, 1939, Serial No. 85,960
Term of patent 7 years



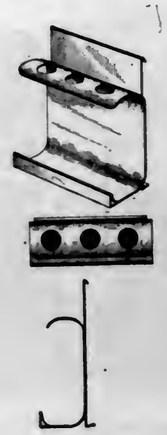
The ornamental design for a carton for plastic foods, as shown.

119,206
DESIGN FOR AN ASHTRAY
José P. Sandejas, Manila, P. I.
Application September 19, 1939, Serial No. 87,290
Term of patent 7 years



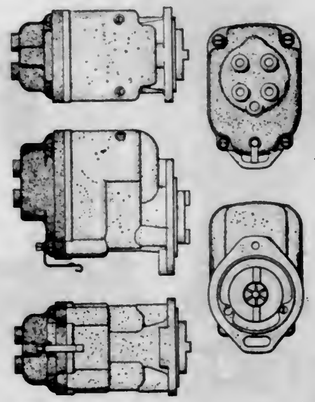
The ornamental design for an ashtray, as shown.

119,207
DESIGN FOR A PIPE RACK ATTACHMENT FOR TOBACCO CAN
George S. Sterne, Chicago, Ill.
Application October 13, 1939, Serial No. 87,654
Term of patent 14 years



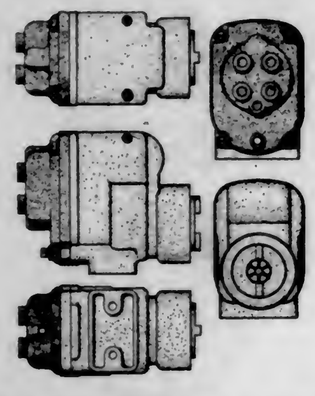
The ornamental design for a pipe rack attachment for tobacco can, substantially as shown.

119,208
DESIGN FOR A MAGNETO ELECTRIC GENERATOR OF FLANGE MOUNTING TYPE
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application April 21, 1939, Serial No. 84,456
Term of patent 14 years



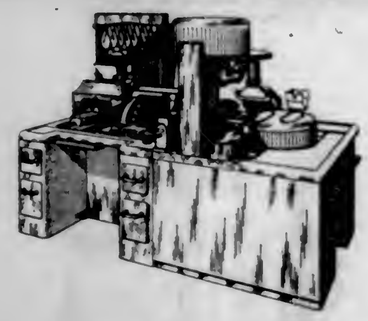
The ornamental design for a magneto electric generator of flange mounting type, substantially as shown and described.

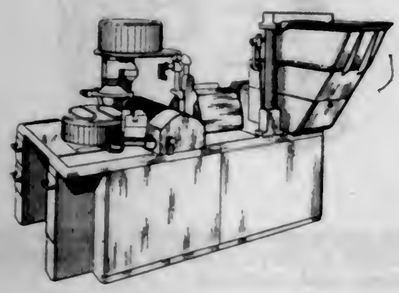
119,209
DESIGN FOR A MAGNETO ELECTRIC GENERATOR OF BASE MOUNTING TYPE
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application April 21, 1939, Serial No. 84,457
Term of patent 14 years



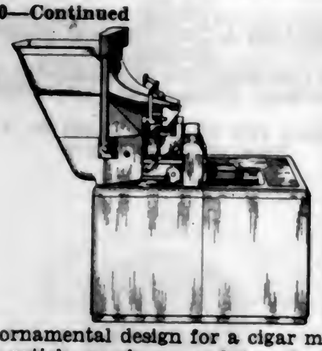
The ornamental design for a magneto electric generator of base mounting type, substantially as shown and described.

119,210
DESIGN FOR A CIGAR MACHINE OR SIMILAR ARTICLE
Henry H. Wheeler, Brooklyn, and James P. Durning, St. Albans, N. Y., assignors to International Cigar Machinery Company, a corporation of New Jersey
Application June 10, 1938, Serial No. 77,715
Term of patent 14 years



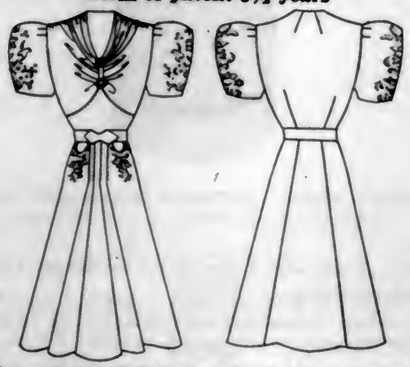


119,210—Continued



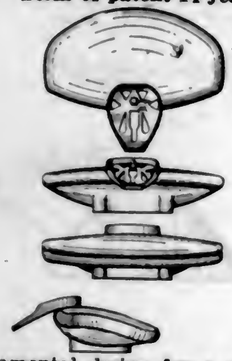
The ornamental design for a cigar machine or similar article, as shown and described.

119,211
DESIGN FOR A DRESS
David Bass, New York, N. Y.
Application January 13, 1940, Serial No. 89,446
Term of patent 3½ years



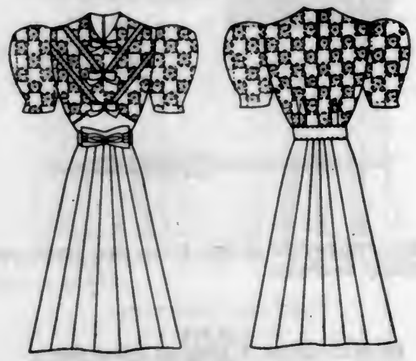
The ornamental design for a dress, substantially as shown.

119,212
DESIGN FOR A COMBINED BUCK AND COLLAR HOLDER FOR A SHOULDER AND YOKE IRONING PRESS
Charles P. Downer, Winchester, and Harry G. Cooper, Medford, Mass., assignors to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application December 28, 1938, Serial No. 82,026
Term of patent 14 years



The ornamental design for a combined buck and collar holder for a shoulder and yoke ironing press, substantially as shown.

119,213
DESIGN FOR A DRESS
Morris Green, Brooklyn, N. Y.
Application January 13, 1940, Serial No. 89,448
Term of patent 3½ years



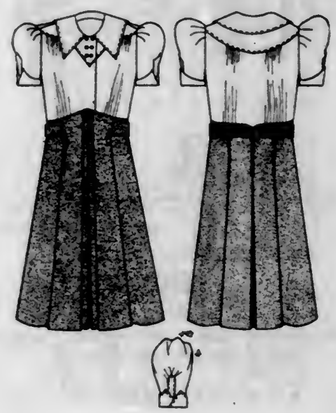
The ornamental design for a dress, substantially as shown.

119,214
DESIGN FOR A PUMP
Herman M. Loeber, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company, a corporation of Nebraska
Application April 17, 1939, Serial No. 84,339
Term of patent 3½ years



The ornamental design for a pump, as shown and described.

119,215
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo., assignor to Dorsa Dresses, Inc., St. Louis, Mo., a corporation of Missouri
Application January 8, 1940, Serial No. 89,341
Term of patent 3½ years



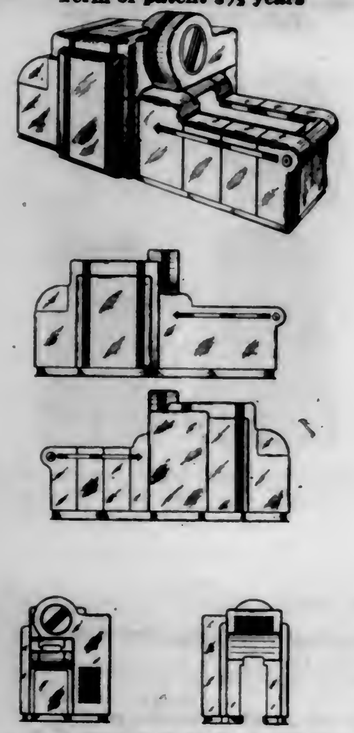
The ornamental design for a dress, as shown.

119,216
DESIGN FOR A DRESS
Felicia L. Rose, New York, N. Y.
Application January 20, 1940, Serial No. 89,597
Term of patent 3½ years



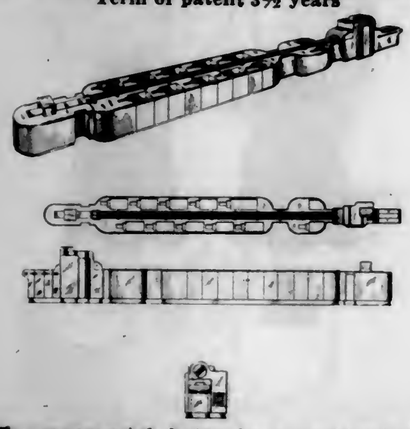
The ornamental design for a dress, substantially as shown and described.

119,217
DESIGN FOR A BACON SLICING MACHINE COVER
Edward A. Schiewe, Park Ridge, Ill.
Application June 3, 1939, Serial No. 85,335
Term of patent 3½ years



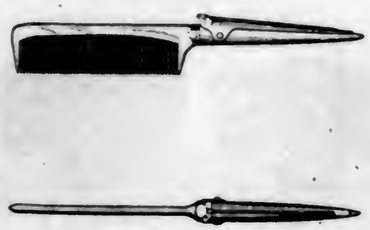
The ornamental design for a bacon slicing machine cover, as shown.

119,218
DESIGN FOR A COMBINED BACON SLICING AND WRAPPING TABLE
Edward A. Schiewe, Park Ridge, Ill.
Application June 3, 1939, Serial No. 85,336
Term of patent 3½ years



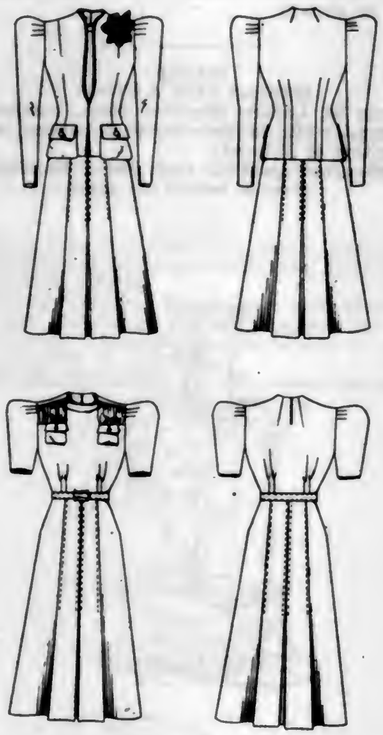
The ornamental design for a combined bacon slicing and wrapping table, as shown.

119,219
DESIGN FOR A CURL COMB
Nathan L. Solomon, Mount Vernon, N. Y.
Application December 6, 1938, Serial No. 81,666
Term of patent 14 years



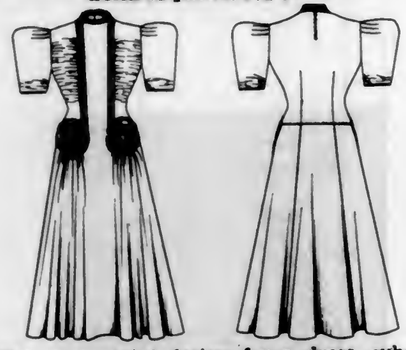
The ornamental design for a curl comb, substantially as shown.

119,220
DESIGN FOR A DRESS ENSEMBLE
Marcia Backus, New York, N. Y.
Application January 29, 1940, Serial No. 89,822
Term of patent 3½ years



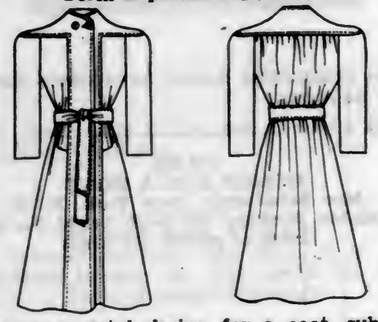
The ornamental design for a dress ensemble, substantially as shown.

119,221
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application January 29, 1940, Serial No. 89,827
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,222
DESIGN FOR A COAT
Samuel Finkel, New York, N. Y.
Application January 19, 1940, Serial No. 89,576
Term of patent 3½ years



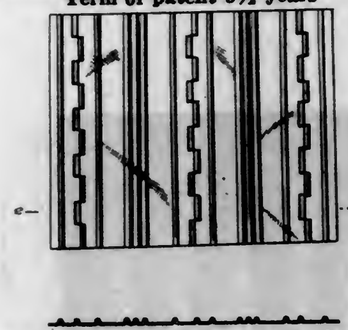
The ornamental design for a coat, substantially as shown.

119,223
DESIGN FOR AN ELASTIC GATHERED FABRIC
Michael B. Kaplan, New York, N. Y.
Application December 12, 1939, Serial No. 88,841
Term of patent 3½ years



The ornamental design for an elastic gathered fabric, substantially as shown.

119,224
DESIGN FOR A TUCKED FABRIC
Michael B. Kaplan, New York, N. Y.
Application December 12, 1939, Serial No. 88,842
Term of patent 3½ years



The ornamental design for a tucked fabric, substantially as shown.

119,225
DESIGN FOR A UNIFORM
Dorathy Lull, New York, N. Y.
Application January 30, 1940, Serial No. 89,874
Term of patent 3½ years



The ornamental design for a uniform, substantially as shown.

119,226
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application January 26, 1940, Serial No. 89,745
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,227
DESIGN FOR A TEXTILE FABRIC
Stephen B. Musson, West Englewood, N. J.
Application February 2, 1940, Serial No. 89,944
Term of patent 3½ years



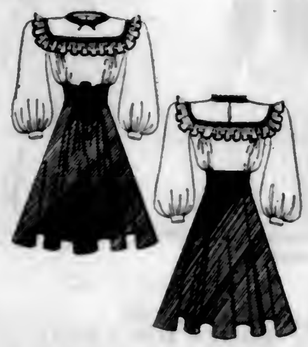
The ornamental design for a textile fabric, substantially as shown.

119,228
DESIGN FOR A DRESS
Albert Nager, New York, N. Y.
Application February 2, 1940, Serial No. 89,943
Term of patent 3½ years



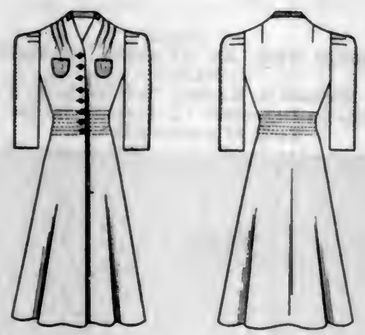
The ornamental design for a dress, substantially as shown.

119,229
DESIGN FOR A DRESS
Bernard Ringel, New York, N. Y.
Application February 1, 1940, Serial No. 89,906
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,230
DESIGN FOR A COAT
Moe Schatzberg, New York, N. Y.
Application January 30, 1940, Serial No. 89,884
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,231
DESIGN FOR A TEXTILE FABRIC
Albert F. Schlatter, New York, N. Y.
Application January 24, 1940, Serial No. 89,674
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

119,232
DESIGN FOR A COAT
Edward Schulich, New York, N. Y.
Application January 18, 1940, Serial No. 89,554
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,233
DESIGN FOR A SUIT
Harry Zuckerman, New York, N. Y.
Application December 21, 1939, Serial No. 89,052
Term of patent 3½ years



The ornamental design for a suit, substantially as shown and described.

119,234
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application February 1, 1940, Serial No. 89,910
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,235
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application February 1, 1940, Serial No. 89,911
Term of patent 3½ years



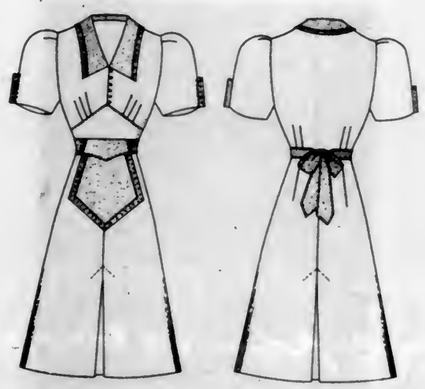
The ornamental design for a coat, substantially as shown.

119,236
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application January 30, 1940, Serial No. 89,872
Term of patent 3½ years



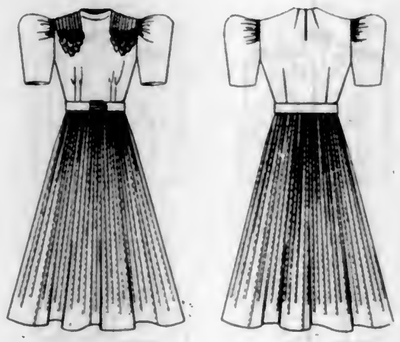
The ornamental design for a uniform, substantially as shown.

119,237
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application January 30, 1940, Serial No. 89,873
Term of patent 3½ years



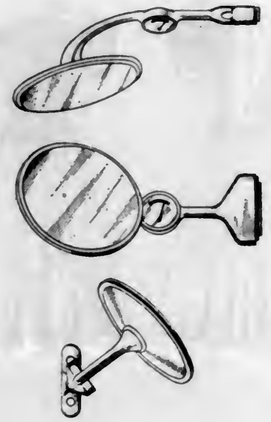
The ornamental design for a uniform, substantially as shown.

119,238
DESIGN FOR A DRESS
Sabina De Pasquale, New York, N. Y.
Application January 29, 1940, Serial No. 89,823
Term of patent 3½ years



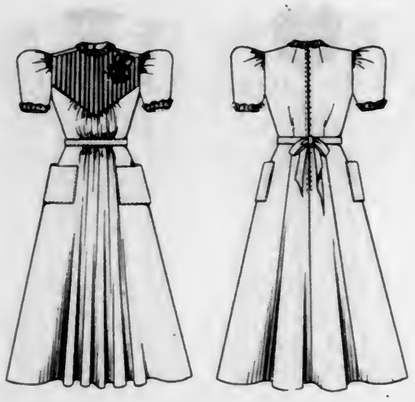
The ornamental design for a dress, substantially as shown.

119,239
DESIGN FOR A COMBINED MIRROR AND THERMOMETER
Joseph Fischer, New York, N. Y.
Application August 2, 1939, Serial No. 86,410
Term of patent 14 years



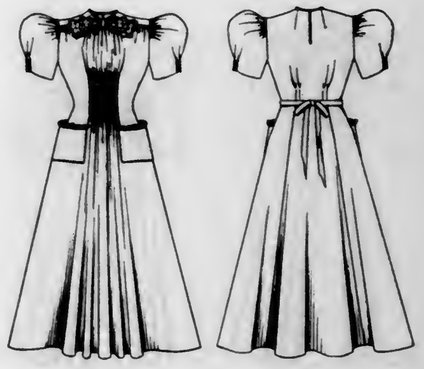
The ornamental design for a combined mirror and thermometer, as shown.

119,240
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 29, 1940, Serial No. 89,813
Term of patent 3½ years



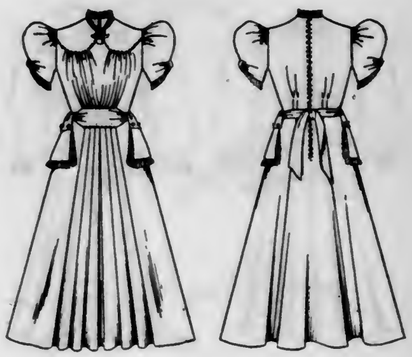
The ornamental design for a dress, substantially as shown.

119,241
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 29, 1940, Serial No. 89,814
Term of patent 3½ years



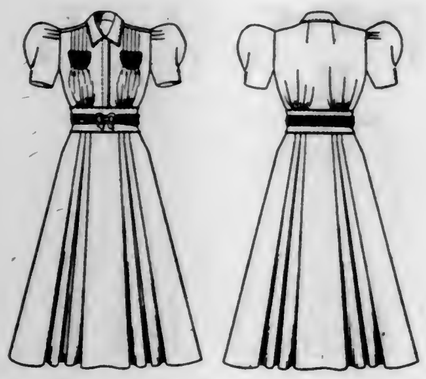
The ornamental design for a dress, substantially as shown.

119,242
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 29, 1940, Serial No. 89,815
Term of patent 3½ years



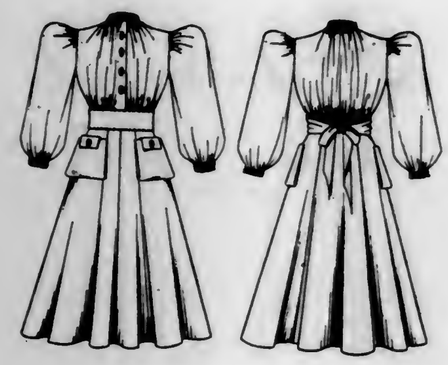
The ornamental design for a dress, substantially as shown.

119,243
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 29, 1940, Serial No. 89,817
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,244
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 29, 1940, Serial No. 89,818
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,245
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application January 29, 1940, Serial No. 89,820
Term of patent 3½ years



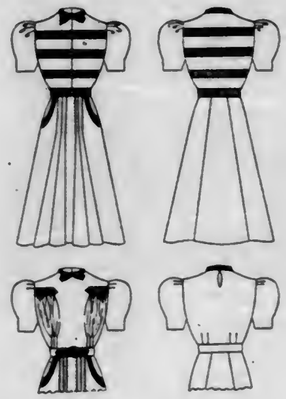
The ornamental design for a dress, substantially as shown.

119,246
DESIGN FOR A DRESS
Joseph N. Greenstein, Chicago, Ill.
Application February 1, 1940, Serial No. 89,908
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,247
DESIGN FOR A DRESS ENSEMBLE
Joseph N. Greenstein, Chicago, Ill.
Application February 1, 1940, Serial No. 89,909
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

119,248
DESIGN FOR A DRESS
Marion Haon, New York, N. Y.
Application February 2, 1940, Serial No. 89,942
Term of patent 3½ years



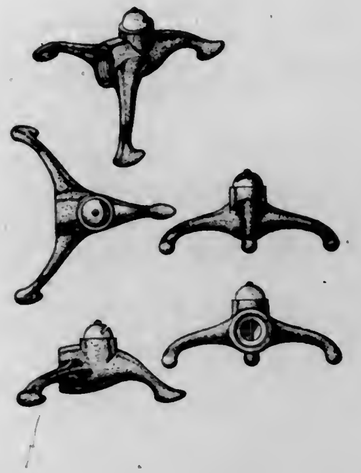
The ornamental design for a dress, substantially as shown.

119,249
DESIGN FOR A COAT
Jack Hochfelder, New York, N. Y.
Application February 1, 1940, Serial No. 89,907
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

119,250
DESIGN FOR A LAWN SPRINKLER
Allan C. Hoffman, Milldale, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Substituted for abandoned application Serial No. 84,782, May 4, 1939. This application November 30, 1939, Serial No. 88,595
Term of patent 7 years



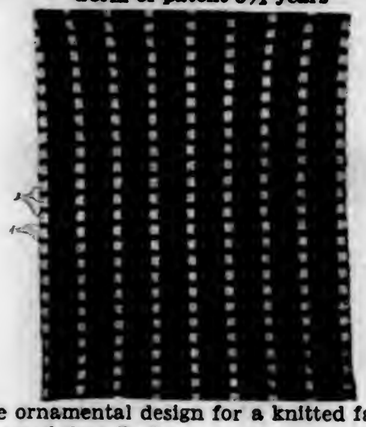
The ornamental design for a lawn sprinkler, substantially as shown.

119,251
DESIGN FOR A DRESS
Louis Hymen, Chicago, Ill.
Application January 29, 1940, Serial No. 89,811
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

119,252
DESIGN FOR A KNITTED FABRIC
Max Weber, Brooklyn, N. Y.
Application January 11, 1940, Serial No. 89,388
Term of patent 3½ years



The ornamental design for a knitted fabric, as shown and described.

ROLL NO L

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

JAN. & FEB. 1940

VOLS. 510 & 511

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO